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The Clevite 77® Engine Bearing Catalog System

This bearing catalog contains set listings for domestic and imported passenger car and truck engine applications and heavy duty engine applications including on-road, agricultural, stationary, industrial and marine engines arranged in alphabetical sequence with the manufacturer's name appearing in bold-face type at the outer margins of each page. The index at the front of this catalog will help to easily locate the desired manufacturer. Each manufacturer listing also includes information on separate model lines and which engines are available for particular years. The "Chrysler Products" listing includes Chrysler, DeSoto, Dodge and Plymouth engine and model data. The "Ford Products" listing includes Edsel, Ford, Lincoln, Mercury and Merkur engine and model data. The "General Motors Products" listing includes Buick, Cadillac, Chevrolet, GMC, Oldsmobile, Pontiac and Saturn engine and model data.

To find the correct Clevite 77® part number:

1. Use the manufacturers index in the front of this catalog to locate the vehicle manufacturer listing desired.
2. Turn to the indicated manufacturer section , and using the engine data provided, locate the corresponding block number listed to the right of the desired engine. Model data is also included to help identify what engines are used in particular models during regular production years. For heavy duty applications, the block number may also be listed in the model data section for ease of reference.
3. Go to block indicated and locate the quadrant (see below) with the appropriate part name desired (i.e. Rod Bearing, Cam Bearing Set, Main Bearing Set). Special notes regarding application data will be stated on the line directly under the part number (i.e. year breaks, serial number breaks). Pay particular attention to any special symbol footnotes listed, which call out alternate

materials available and the availability of new, superseded or discontinued items.

4. Scan across to the part number required, making sure to select the desired undersize from the sizes that are currently available.

Each manufacturer listing includes **five** distinct sections. The **first** section, found at the beginning of each listing, consists of engine data used to assist in the correct identification of engines used by the manufacturer. Engine codes are also included for all European and Japanese engines to help identify them. The **second** section consists of model data with correct engines used in specific vehicles and model years. The **third** section consists of original equipment connecting rod forging numbers referenced to the correct block number for rod bearing applications. The **fourth** section consists of original equipment crankshaft forging numbers references to the correct block number for main bearing applications. The **fifth** section consists of the actual set listings and pertinent shop data specifications. Engines using the same parts are grouped together to save space in the listings. Engines are arranged first by number of cylinders in ascending order (i.e. 4 cylinder, 6 cylinder, 8 cylinder), and then by displacement in ascending order (i.e. 200-229, 231-252, 260 diesel). Some heavy duty manufacturers sections are arranged in alphabetical order (i.e. B series, F series, M series). Each block in the **fifth** section is divided into four different quadrants. Each quadrant has information pertaining to the specific engines listed on the application data line above it. The following chart will help you in specifying the correct bearing part numbers and undersizes desired.

COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
3	200 CID (3.3L) Chevrolet V6 Cyl (1978-1979)			3.500in./88.9mm x 3.484in./88.5mm				3	
	Degree Chevrolet V6 Cyl (1980-1984)			x 3.484in./88.5mm					
Rod Be NOTE:	Quadrant A	CB-1227H	STD,	Application Data	2.0990/2	Quadrant B	0.0622	2.2247/2.2257	0.7130
Rod Bearing(6) NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance	TM	CB-1227HX	STD		2.0990/2.1000	0.0010/0.0010	0.0617	2.2247/2.2257	0.7130
Main Bearing Set 1-2-3 4	TM-77	MS-1454P MB-2508P MB-2509P(F)	STD, 1, 10, 20, 30, 40		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: Grooved Upper Halves Plain Lower Halves									
Cam Bearing Set 1 2-4 3	AL-2	SH-1350S SH-134P SH-1350 SH-1350	STD, 10		1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
C/S Forging	143, 147, 148N, 1354N, 140								
Connecting Rod	45 Lbs.Ft.								
Main Bearing	70 Lbs.Ft.								

The Clevite 77® Engine Bearing Catalog System

Quadrant A data includes the types of bearing and number of pairs required (if applicable), the bearing material designation (see chart on following pages), the Clevite 77® part number and all available undersizes. Positions for individual bearings and thrust washers within a set are also indicated to ensure proper installation in the engine. Any special application or installation information needed appears as a “NOTE” message under the affected set or individual part number. If a Main Bearing set does not include required thrust washers, the Main T/W Set listed above it will have a “NOTE” line reading “Required with MS (set number).”

Quadrant B consists of shop data specifications corresponding to the individual Clevite 77® bearing directly to its left in Quadrant A. This detailed shop data is divided into five columns reading from left to right:

1. Standard shaft diameter
2. Vertical oil clearance
3. Maximum wall at crown
4. Bearing outside diameter or housing bore
5. Maximum bearing length

All shop data is expressed in inch sizes, even if the engine is manufactured to metric specifications (a reminder of this appears in Quadrant B of all metric engines).

Quadrant C consists of connecting rod and crankshaft forging numbers that correspond to each particular engine in the block. These numbers will help identify the correct connecting rod bearings or main bearing sets for engines listed. Connecting rod forging numbers are listed as “C/S Forging.”

Quadrant D consists of bolt torque specifications and any special notes pertaining to those specifications. The recommended bolt torque specifications are based on O.E.M. recommendations. Refer to an O.E.M. service manual for the correct tightening sequence for each particular engine with torque specifications listed.

COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
3	200 CID (3.3L) Chevrolet V6 Cyl (1978-1979)			3.500in./88.9mm x 3.484in./88.5mm					3
	Degree Chevrolet V6 Cyl (1980-1984)			3.500in./88.9mm x 3.484in./88.5mm					
Rod Bearing NOTE:	Quadrant A	CB-1227H	STD,	Application Data	2.0990/2.1000	Quadrant B	0.0622	2.2247/2.2257	0.7130
Rod Bearing(6) NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance	TM	CB-1227HX	STD		2.0990/2.1000	0.0016/0.0048	0.0617	2.2247/2.2257	0.7130
Main Bearing Set 1-2-3 4	TM-77	MS-1454P MB-2508P MB-2509P(F)	STD,1,10,20,30,40		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: Grooved Upper Halves Plain Lower Halves									
Cam Bearing Set 1 2-4 3	AL-2	SH-1350S SH-1340 SH-1350 SH-1350	STD,10		1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
C/S Forging	143, 147, 148N, 1354N, 140								
Connecting Rod Main Bearing	45 Lbs.Ft. 70 Lbs.Ft.								

Système de catalogue de coussinets de moteur Clevite 77®

Ce catalogue de coussinets contient des listes de jeux pour les applications de moteurs de camions et de voitures de tourisme importées et nationales et les applications de moteur service sévère y compris les moteurs routiers, agricoles, fixes, industriels et marins, disposés dans une séquence alphabétique avec le nom du fabricant figurant en caractères gras sur la marge extérieure de chaque page. L'index, au début de ce catalogue, aidera à localiser facilement le fabricant désiré. Chaque liste de fabricant comprend aussi des informations séparées sur les lignes de modèles et quels moteurs sont disponibles dans des années spécifiques. La liste des "Produits Chrysler" comprend les données de modèles et de moteurs Chrysler, DeSoto, Dodge et Plymouth. La liste des "Produits Ford" comprend les données de modèles et de moteurs Edsel, Ford, Lincoln, Mercury et Merkur. La liste des "Produits General Motors" comprend les données de modèles et de moteurs Buick, Cadillac, Chevrolet, GMC, Oldsmobile, Pontiac et Saturn.

Pour trouver le numéro de pièce correct Clevite 77®:

1. Utiliser l'index des fabricants au début de ce catalogue pour localiser le fabricant du véhicule désiré.
2. Passer à la section du fabricant indiquée et, en utilisant les données du moteur fournies, localiser le numéro de bloc correspondant donné à la droite du moteur désiré. Les données de modèles sont aussi indiquées pour aider à identifier quels moteurs sont utilisés dans des modèles particuliers pendant les années de production normales. Pour les applications service sévère, le numéro de bloc peut aussi être donné dans la section de données des modèles pour faciliter la référence.
3. Passer au bloc indiqué et localiser le secteur (voir cidessous) avec le nom de la pièce désirée (c'est-à-dire coussinet de bielle, jeu de coussinets d'arbre à cames, jeu de paliers). Des remarques spéciales concernant les données d'application seront indiquées sur la ligne directement au-dessous du numéro de pièce (c'est-à-dire, l'intervalle des années, l'intervalle des numéros de

série). Faire particulièrement attention à toutes remarques à symboles qui indiquent d'autres matières disponibles et la disponibilité d'articles nouveaux, remplacés ou dont la production a été arrêtée.

4. Passer au numéro de pièce nécessaire en s'assurant de choisir la sous-dimension désirée parmi les dimensions disponibles.

Chaque liste de fabricant comprend **cinq** sections distinctes. La **première** section, trouvée au début de chaque liste, comprend les données de moteur qui sont utilisées pour aider à identifier correctement les moteurs utilisés par le fabricant. Les codes de moteurs comprennent également tous les moteurs européens et japonais, pour aider à les identifier. La **deuxième** section comprend les données de modèles avec les moteurs corrects utilisés dans des véhicules spécifiques et les années des modèles. La **troisième** section comprend les numéros de pièces de forge de bielles d'équipement d'origine en référence au numéro de bloc correct pour les applications de coussinets de bielle. La **quatrième** section comprend les numéros de pièces forgées de vilebrequin d'équipement d'origine, en référence au numéro de bloc correct pour les applications de coussinets. La **cinquième** section comprend les listes courantes de jeux et les spécifications des données techniques d'atelier pertinentes. Les moteurs utilisant les mêmes pièces sont groupés pour économiser l'espace sur les listes. Les moteurs sont indiqués d'abord par le nombre de cylindres dans l'ordre croissant (c'est-à-dire, 4 cylindres, 6 cylindres, 8 cylindres), et ensuite par cylindrées en ordre croissant (c'est-à-dire, 200-229, 231-252, 260 diesel). Certaines sections de fabricants avec applications service sévère sont indiquées par ordre alphabétique (c'est-à-dire, série B, série F, série M). Chaque bloc de la **cinquième** section est divisé en quatre secteurs différents. Chaque secteur a des informations appartenant aux moteurs spécifiques énumérés au-dessus de la ligne de données d'application. Le tableau suivant vous aidera à spécifier les numéros de pièces de coussinets corrects et les sous-dimensions désirées.

COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
3	200 CID (3.3L) Chevrolet V6 Cyl (1978-1979)			3.500in./88.9mm x 3.484in./88.5mm					3
	Degree Chevrolet V6 Cyl (1980-1984)			3.500in./88.9mm x 3.484in./88.5mm					
Rod Bearing NOTE:	Le Secteur A	CB-1227H	STD.	Données d'applications		Le Secteur B	0.0622	2.2247/2.2257	0.7130
Rod Bearing(6) NOTE: H-Series Performance, Oil Clearance	TM-77	CB-1227HX	STD	0.0990/2.1000	0.0010/0.0048	0.0617	2.2247/2.2257	0.7130	
NOTE: Bearing Walls .0005" Thinner For .0010" More									
Main Bearing Set 1-2-3									
4									
NOTE: Grooved Upper Halves Plain Lower Halves									
Cam Bearing Set 1-2-3									
1									
2-4									
3									
C/S Forging 143, 147, 148N, 1354N, 1354N									
Connecting Rod 45 Lbs.Ft.									
Main Bearing 70 Lbs.Ft.									

Système de catalogue de coussinets de moteur Clevite 77®

Les données du secteur A comprennent les types de coussinets et le nombre de paires nécessaires (le cas échéant), la désignation du matériel de coussinets (voir les tableaux sur les pages suivantes), le numéro de pièce Clevite 77® et toutes les sous-dimension disponibles. Les positions pour les coussinets individuels et les anneaux de butée dans chaque jeu de coussinets sont aussi indiquées pour s'assurer de leur installation correcte. Toute application spéciale ou information d'installation nécessaire apparaissent en forme de "NOTE SPECIAL", sous le jeu affecté ou le numéro de pièce individuel. Si un jeu de coussinets ne comprend pas les rondelles de butée nécessaires, le jeu de rondelles de butée donné au-dessus aura une ligne "NOTE SPECIAL" "Nécessaire avec le (numéro de jeu) MS."

Les données du secteur B comprennent les spécifications de données pour l'atelier correspondant au coussinet individuel Clevite 77® directement à la gauche du secteur A. Ces données techniques d'atelier détaillées sont divisées en cinq colonnes qui indiquent, de gauche à droite:

1. Diamètre d'arbre standard
2. Dégagement vertical pour l'huile
3. Paroi maximale à la couronne
4. Diamètre extérieur du coussinet ou alésage du boîtier
5. Longueur maximale du coussinet

Toutes les données techniques d'atelier sont exprimées en pouces, même si le moteur est fabriqué conformément au système métrique (un rappel de cela figure dans le secteur B de tous les moteurs métriques).

Les données du secteur C comprennent des numéros de forging des coussinets de bielle et de vilebrequin qui correspondent à chaque moteur en particulier indiqués dans le tableau. Ces numéros vous aideront à identifier les coussinets de bielle ou de vilebrequin corrects pour les moteurs indiqués. Les numéros d'estampage des coussinets de bielle sont indiqués comme "Rod Forging" et les numéros d'estampage des coussinets des vilebrequin sont indiqués comme "C/S Forging."

Les données du secteur D comprennent les spécifications des couples de boulons et toutes les remarques spéciales appartenant à ces spécifications. Les spécifications des couples de boulons recommandées se basent sur les recommandations des manufacturiers d'équipement d'origine. Veuillez vous référer à un manuel de service pour obtenir l'ordre correct de pression pour chaque moteur en particulier avec des spécifications de couple indiquées.

COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
3	200 CID (3.3L) Chevrolet V6 Cyl (1978-1979)			3.500in./88.9mm x 3.484in./88.5mm					3
	Degree Chevrolet V6 Cyl (1980-1984)			3.500in./88.9mm x 3.484in./88.5mm					
Rod Be NOTE:	Le Secteur A	CB-1227H	STD.	0.0990/0.0010	0.0010/0.0008	0.0622	2.2247/2.2257	0.7130	
Rod Bearing(6) NOTE: H-Series Performance, Oil Clearance	TM-77	CB-1227HX	STD.	0.0990/2.1000	0.0010/0.0008	0.0617	2.2247/2.2257	0.7130	
Main Bearing Set 1-2-3 4 NOTE: Grooved Upper Halves	TM-77	MS-1454P MB-2508P MB-2509P(F)	STD,1,10,20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180	
Cam B 1 2-4 3	Le Secteur C	SH-1350S SH-1349 SH-1350 SH-1350	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500	
C/S Forging	143, 147, 148N, 1354N,								
Connecting Rod Main Bearing	45 Lbs.Ft. 70 Lbs.Ft.								

El sistema del catalogo Clevite 77® para cojinetes de motores

Este catálogo de cojinetes contiene listados de conjuntos para uso en motores de automóviles y camiones importados y también para uso en motores pesados incluyendo los carreteros, agrícolas, estacionarios y marinos, ordenado en orden alfabético apareciendo el nombre del fabricante en negrita en el márgen exterior de cada página. El indice en el frente de este catálogo ayudará a localizer facilmente al fabricante buscado. El listado de cada fabricante también incluye información acerca de modelos distintos y que motores hay disponibles para años determinados. El listado de "Productos Chrysler" incluye datos sobre los modelos Chrysler, DeSoto, Dodge, Plymouth y sus motores. El listado de los "Productos Ford" incluye datos sobre los modelos Edsel, Ford, Lincoln, Mercury, Merkur y sus motores. El listado de los "Productos General Motors" incluye datos sobre los modelos Buick, Cadillac, GMC, Oldsmobile, Pontiac y Saturn y sus motores.

Para hallar el numero de pieza Clevite 77® correcto:

1. Use el indice del fabricante en el frente de este catálogo para ubicar el listado del fabricante del vehiculo.
2. Vuelva a la sección del fabricante indicada, y usando los datos del motor provistos, ubique el número de bloque correspondiente indicado a la derecha del motor deseado. También se incluyen datos sobre el Modelo para ayudar a identificar que motores se usaron en modelos determinados durante años de producción regular. Para los de uso pesado el número de bloque también puede estar indicado en la sección de datos del modelo para facilidad de referencia.
3. Pase al bloque indicado y ubique el cuadrante (ver abajo) con el nombre apropiado de pieza (ej. Cojinete de Biela, Conjunto del Cojinete de Leva, Conjunto de Cojinetes del Cigüeñal). Notas especiales con referencia a datos sobre el uso se encuentran en la linea directamente debajo del número de pieza (es decir años, números de serie). Preste particular atención a las notas especiales al pie de la página indicadas por simbolos, que llaman la atención sobre materiales sucedáneos disponibles y sobre la disponibilidad de items nuevos, sustitutivos, o descontinuados.

4. Pase la vista horizontalmente hasta el número de pieza requerido, asegúrese de optar por la pieza deseada cuyas dimensiones sean ligeramente inferiores de entre los tamaños corrientemente disponibles.

Cada listado de fabricante incluye **cinco** secciones distintas. La **primera** sección, que se encuentra al principio de cada listado, consiste de la información sobre el motor, la que es utilizada para asistir en la correcta identificación de los motores empleados por el fabricante. Se incluyen también códigos de motores para todos los motores Europeos y Japoneses para ayudar en su identificación. La **segunda** sección consiste de datos sobre el modelo con los motores correctos que se usaron en vehiculos y años/modelos especificos. La **tercera** sección consiste de los numeros de forjado de las bielas del equipo original referenciados al número correcto del bloque para la aplicación en el cojinete de biela. La **cuarta** sección consiste de los numeros de forjado del cigüeñal del equipo original referenciados al número correcto del bloque para la aplicación en el cojinete del cigüeñal. La **quinta** sección consiste del listado en si de los conjuntos y las especificaciones pertinentes para uso de talleres. Los motores que usan las mismas piezas están agrupados para ahorrar lugar en los listados. Los motores estan primeramente ordenados por el número de cilindros en forma ascendente (o sea, 4 cilindros, 6 cilindros, 8 cilindros), y luego por su desplazamiento en orden ascendente (o sea, 200-229, 231-252, 260 diesel). Algunas secciones de fabricantes de equipo pesado están ordenadas en forma alfabética (o sea, Serie B, Serie F, Serie M). Cada bloque en la quinta sección está dividido en cuatro cuadrantes distintos. Cada cuadrante contiene información pertenecientes a los motores determinados a la linea de datos sobre aplicación inmediatamente superior. El cuadro siguiente le ayudará a especificar los numeros correctos de cojinete y el tamaño ligeramente inferior deseado.

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3	200 CID (3.3L) Chevrolet V6 Cyl (1978-1979)			3.500in./88.9mm x 3.484in./88.5mm				
	Degree Chevrolet V6 Cyl (1980-1984)			3.500in./88.9mm x 3.484in./88.5mm				
Rod Be NOTE:	Cuadrante A	CB-1227H	STD, 1	Cuadrante B		0.0622	2.2247/2.2257	0.7130
Rod Bearing(6)	TM-77	CB-1227HX	STD	2.0990/2.1000	0.0010/0.0015	0.0617	2.2247/2.2257	0.7130
NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance								
Main Bearing Set	TM-77	MS-1454P	STD, 1, 10, 20, 30, 40	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
4		MB-2509P(F)						
NOTE: Grooved Upper Halves Plain Lower Halves								
Cam B		SH-1350S	STD, 10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
1	Cuadrante C	SH-134P		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
2-4		SH-135		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
3	Cuadrante D	SH-135						
C/S Forging	143, 147, 156N, 1354N, 1354N, 1354N							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							

El sistema del catalogo Clevite 77® para cojinetes de motores

El **Cuadrante A** incluye información acerca de los tipos de cojinetes y el número de pares requeridos (en caso de ser aplicable), la designación del material del cojinete (ver el cuadro en las páginas siguientes), el número de pieza Clevite 77®, y todas las medidas ligeramente inferiores disponibles. Los simbolos especiales que denotan notas explicativas al pie de la página están ubicados a la izquierda del número de pieza. También se indican las posiciones de los cojinetes y las contraplacas de empuje individuales dentro del conjunto para asegurar su instalación correcta en el motor. Cualquier información necesaria acerca de su aplicación o instalación aparece como un mensaje "NOTA" debajo del conjunto afectado o de un número de pieza individual. Si un conjunto de cojinetes de cigüeñal no contiene las contraplacas de empuje requeridas, el conjunto de las contraplacas de empuje para el cigüeñal, que se encuentra más arriba tendrá una "NOTA" que lee "Requerida con el conjunto MS (número de conjunto)."

El **Cuadrante B** consiste de especificaciones de datos para talleres correspondiente al cojinete individual Clevite 77® directamente a la izquierda en el Cuadrante A. Esta información detallada para talleres se divide en cinco columnas que se leen de izquierda a derecha:

1. Diámetro standard del eje (árbol).
2. Holgura vertical paraaceite.
3. Máximo espesor de la pared en la corona.
4. Diámetro exterior o agujero de la cubierta.

5. Largo máximo del cojinete.

Todas los datos para talleres se expresa en pulgadas, aún cuando el motor ha sido fabricado en base a especificaciones métricas (un recordatorio de esto aparece en el Cuadrante B de todos los motores métricos).

El **Cuadrante C** consiste de números de forjadura de biela y de cigüeñal que corresponden a cada motor en particular indicado en el bloque. Estos números le asistirán a identificar los cojinetes de biela o de bancada correctos para los motores listados. Los números de forjadura de los cojinetes de biela están listados como "Rod Forging" y los numeros de forjadura de ciguenal están listados como "C/S Forging."

El **Cuadrante D** consiste de las especificaciones de la torsión de los pernos y cualquier nota especial perteneciente a las mismas. Todas las especificaciones de la torsión de los pernos se expresan en pie libra, excepto cuando se indica de otra forma. Las especificaciones de la torsión de los pernos están basadas en las recomendaciones de la O.E.M. Sirvase consultar un manual de servicio para obtener el orden correcto de torsión para cada motor en particular con las especificaciones de torsión listadas.

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3	200 CID (3.3L) Chevrolet V6 Cyl (1978-1979)			3.500in./88.9mm x 3.484in./88.5mm				
	egree Chevrolet V6 Cyl (1980-1984)			x 3.484in./88.5mm				3
Rod Be NOTE:	Cuadrante A	CB-1227H	STD, 1	Datos de Aplicación	Cuadrante B	0.0622	2.2247/2.2257	0.7130
Rod Bearing(6) NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance	TM-77	CB-1227HX	STD			0.0617	2.2247/2.2257	0.7130
Main Bearing Set 1-2-3 4 NOTE: Grooved Upper Halves Plain Lower Halves	MS-1454P MB-2508P MB-2509P(F)	STD, 1, 10, 20, 30, 40		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Cam B 1 2-4 3	Cuadrante C	SH-1350S SH-134P SH-135 SH-135	STD, 10	Cuadrante D		1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 2.0190/2.0210 2.0090/2.0110 1.9990/2.0010
C/S Forging	143, 147, 148N, 1354N, 1354N, 1354N							
Connecting Rod Main Bearing	45 Lbs.Ft. 70 Lbs.Ft.							

WARRANTY STATEMENT

LIGHT DUTY - LIMITED WARRANTY STATEMENT

Clevite 77® engine bearings warrants its products against defects in material and workmanship when used on private passenger cars and light trucks under normal operating conditions when properly installed and maintained for a period of one (1) year from date of purchase. The warranty does not extend to: (1) any losses due to misuse, accident, abuse, neglect, normal wear and tear, or improper application or (2) products that have been altered. This warranty is limited to the replacement of the product and does not cover removal or installation or any other direct or indirect expense.

THIS WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE ARISING BY OPERATION OF LAW OR OTHERWISE, AND IN NO EVENT WILL THE SELLER BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

THIS WARRANTY IS LIMITED TO PRIVATE PASSENGER CARS AND LIGHT TRUCKS, UP TO AND INCLUDING ONE (1) TON. PRODUCTS USED ON LIGHT DUTY VEHICLES FOR COMMERCIAL PURPOSES WILL BE WARRANTED UNDER THE HEAVY DUTY WARRANTY.

THERE IS ABSOLUTELY NO WARRANTY IMPLIED OR OTHERWISE ON PARTS USED IN COMPETITION (RACING) APPLICATIONS.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS THAT VARY FROM STATE TO STATE.

TO MAKE A CLAIM UNDER THIS WARRANTY, RETURN THE DEFECTIVE PART WITH THE PURCHASE RECEIPT TO THE INSTALLING DEALER OR YOUR NAPA AUTO PARTS STORE FOR VERIFICATION AND EXCHANGE. NO CLAIMS FOR PRODUCTS ALLEGED TO BE DEFECTIVE WILL BE ALLOWED UNTIL CLEVITE HAS HAD A REASONABLE OPPORTUNITY TO EXAMINE THE PRODUCT.

HEAVY DUTY – LIMITED WARRANTY STATEMENT

Product is warranted against defects in material and workmanship for two (2) years from date of purchase, 200,000 miles or 7,200 hours, whichever occurs first. Dana will grant a credit or, at its option, replace the product or component part thereof that is determined to be defective. The product will be credited or replaced only upon presentation of the original invoice. The warranty does not extend to: (1) any losses due to misuse, accident, abuse, neglect, normal wear and tear, or improper installation, maintenance or application or (2) products that have been altered.

THIS WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE ARISING BY OPERATION OF LAW OR OTHERWISE, AND IN NO EVENT WILL SELLER BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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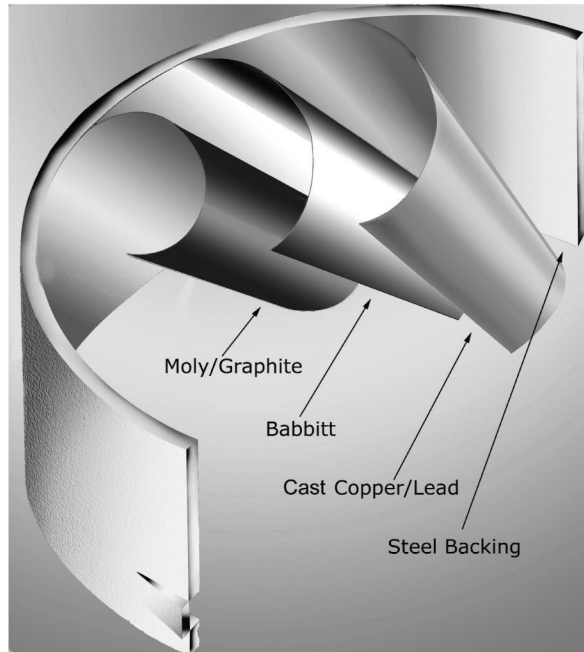


TriMetal™ adds a new layer!

The exclusive new Clevite 77® TriArmor™ engine bearings feature the industry's only moly/graphite treatment. This sophisticated blend, in a low friction PTFE polymer base, offers extraordinary protection and lubricity. Enhanced wear characteristics increase bearing life in race engines and high performance street engines.

Now, high performance engine builders can enjoy the strength and durability of the legendary Clevite 77® TriMetal™ bearing construction coupled with the latest in coating technology - right out of the box.

The line of Clevite 77® TriArmor™ rod and main bearings will include popular Ford, GM and Chrysler models as well as popular Sport Compact applications.



metallurgical integrity of the bearing during the coating procedure.

The result? A thin protective coating that offers:

Exclusive Moly/Graphite Treatment

For years, engine builders have experimented with coating engine bearings for race engines and very high performance street engines, with varying degrees of success. Now, Clevite Engine Parts' engineers, after extensive research and development, have devised TriArmor™, a proprietary blend of molybdenum disulfide (MoS₂) and graphite all carried in an inert polymer substrate.

Central to this breakthrough is the exclusive use of graphite and unique application and low temperature cure processes. These processes provide extremely uniform thickness coupled with unparalleled adhesion, all while protecting the

- Reduced friction and drag, resulting in increased horsepower
- Protection during start-up
- Embedability to resist damage from debris
- Ability to withstand extreme temperatures and pressures
- Conformability for distressed or imperfect surfaces
- Extraordinary strength and durability



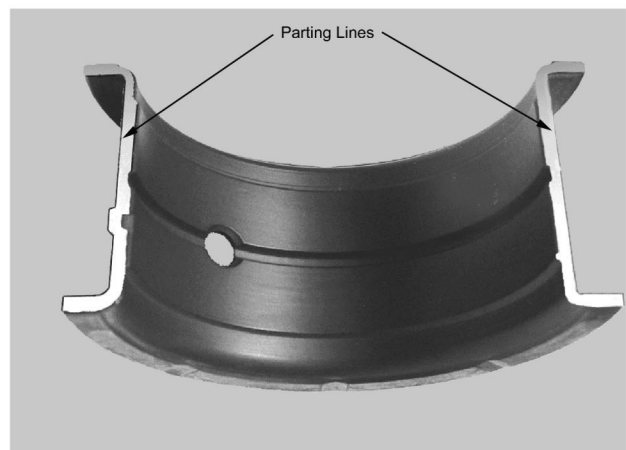
Just ask Ray Jager

Ray Jager knows race cars. He's built race engines for Matt Kenseth, Ken Schrader, Alan Kulwicki and others. His engines have won championships in ASA, ARCA and CASCAR competitions and set a national world record in IPBA alcohol hydro racing. His engines have won national NHRA, GI1, TransAm and vintage races. He knows his stuff.

Ray's been quietly testing the Clevite 77® TriArmor™ engine bearing material under racing conditions to make sure that the final product will reduce friction and increase durability under the most demanding conditions. He explains his experience this way: "I've tested dozens of coating compounds. Some were really slippery but wouldn't hold up in racing conditions. Other blends were really strong but lacked lubricity. And much of the magic is in the application process. After all, the best coating in the world is useless if it doesn't stay in place. Clevite 77® TriArmor™ engine bearings are the best I've tested in terms of chemistry and application."

We're particular about parting lines

At Clevite Engine Parts, we know that bearing crush is critical, especially in high performance engines. So you can imagine that coating the parting lines would adversely affect bearing crush and fit. And you shouldn't have to sand off material that never should have been applied to these surfaces in the first place. So we don't put it there. It's extra effort to do the job right, but that's the only way Clevite Engine Parts engineers know how.



Tech Info

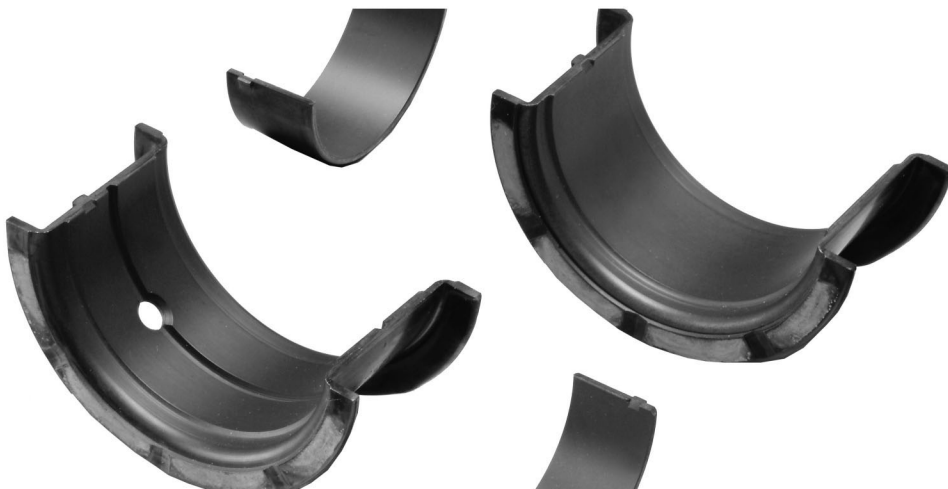
In developing TriArmor™ materials and processing, Clevite Engine Parts engineers relied on the science of tribology, the study of design, friction, wear, and lubrication characteristics of interacting surfaces. With our existing body of knowledge based on decades of producing bearings for street and track, this model enabled us to produce the most advanced and efficient coating material possible. The PTFE carrier material gives good low load start-up protection. The moly serves as a high pressure, high load dry film anti-wear agent. Graphite provides additional protection across a broad range of temperatures, especially when oil flow is marginal and is especially slippery with an oil film.

Feature	Advantage	Benefit
MoS2 in polymer base	Low friction	Reduces drag & increases HP
MoS2 in polymer base	Self-lubricating	Helps fight dry starts
MoS2 in polymer base	High strength	Good support for oil film
MoS2 in polymer base	Resists wear	Fights unfavorable surface finishes
Graphite	Not temperature sensitive	Protects hot or cold
Graphite	Self-lubricating	Protects during start-up
Graphite	Reduces friction	Increased power
Rated for 500 F ¹	Resists breakdown	Welcomes tough racing applications
Rated for 600 F ²	Extra margin	Defends against severe conditions
Low Temp Cure	Bearing friendly	Protects metallurgical integrity of bearing
Inert Wear Layer	Conformability	Adapts as needed to the "real engine"
Inert Wear Layer	Chemically	Won't contaminate "friendly" lubrication system
OEM Caliber processes	Superior quality	Tightest controls of thickness and curing temps
Bare Parting Line	No sanding needed	Proper crush without "reworking" bearing

1 Continuous 2 Intermittent

Exclusive Clevite 77® TriArmor™ Features

Moly/graphite compound
Coverage for Ford, GM and Chrysler as well as popular Sport Compact Applications
Parting lines not coated
Legendary Clevite 77® quality



TRIMETAL OR ALUMINUM BIMETAL BEARINGS?

Insert bearings provide a conveniently replaceable wear surface that allows salvage of the mating journal by regrounding to a new undersize diameter. Unless severely damaged, crankshafts are thus commonly reclaimed through the use of bearing shells manufactured to precision tolerances to fit a standardized array of journal undersizes. Depending on the original dimensioning practice of the engine components, undersizes are available in either inch or metric sizes as noted in the catalog listing.

It would be extremely convenient for the manufacturers of engine components and engine rebuilders alike if all engines were able to use the same bearing shells. Unfortunately differences in engine displacements and power output levels typically require unique bearings for each engine family. These bearings not only differ in their dimensional attributes to allow them to properly fit with mating engine components, they must also provide differing performance capabilities to allow them to provide trouble free service throughout the expected service life of the engine. Different bearing materials and types of construction provide a selection of bearing performance characteristics to suit various operating conditions and applications.

As engine designs evolved greater demands were placed on crankshaft bearings. These demands fall into a number of bearing performance categories.

The first of these is surface behavior or “**SURFACE ACTION**.” This is a measure of the compatibility of the bearing surface with that of the mating journal. Within this category are three bearing characteristics that make up a bearing’s overall surface behavior, they are: “Slipperiness” or the ability to minimize friction while sliding over the journal without causing wear to either surface. “Embedability” is the ability to absorb dirt and engine wear particles into the bearing surface and render them harmless (see figure 1). And “Conformability” which permits a bearing surface to break-in or conform to the geometry and alignment imperfections of its installation.

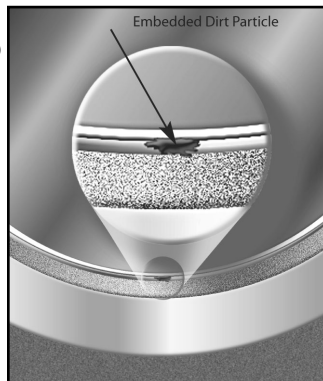


Figure 1

The second is “**LOAD CARRYING**.” This is the ability to withstand engine operating loads for long periods. Within this category are “Fatigue Strength” which is the linings

ability to resist cracking and flaking under the cyclic loads imposed by the dynamics of engine operation. And “Corrosion Resistance” which is the lining materials ability to resist chemical attack from acids resulting from oil break-down and by-products of combustion. Acid attack can weaken the material structure making the lining more susceptible to fatigue.

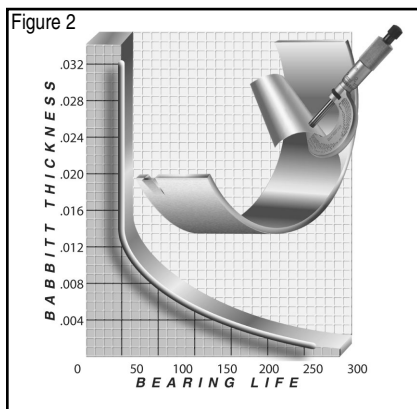
Third is “**THERMAL PROPERTIES**.” These are “Temperature Resistance” or the ability to maintain all other properties at engine operating temperatures. And “Thermal Conductivity,” or the ability to conduct heat away from the bearing surface.

Bearings function on the principal that dissimilar materials will have less tendency to seize with each other than similar materials. The first commonly used bearing material was an alloy of lead, tin, antimony and arsenic called “Babbitt” which was named after its inventor. Babbitt has physical properties similar to solder. It’s soft which allows it to conform to minor imperfections in geometry and alignment of mating parts. This softness also allows Babbitt to absorb dirt and wear particles that might pass through the bearings clearance space. Babbitt is also very slippery which minimizes friction in the absence of oil during startup.

Although Babbitt is the best bearing material based on its surface behavior, it has one serious shortcoming. By itself, in thick layers, Babbitt cannot carry high loads for long periods. Under the repeated cyclic loading of an internal combustion engine Babbitt will break up and flake out. This reaction to cyclic loading is called “Fatigue.”

Bearings are typically constructed with a steel backing to provide support and allow the bearing shells to be an interference fit with their housing. This provides retention and prevents movement under the dynamics of engine operation. Nearly all modern bearings fall into one of two categories based on their type of construction. They are either Bimetal; a steel back with a single layer of multipurpose lining material, or Trimetal; a steel back with an intermediate layer for strength and a surface layer for bearing surface properties.

The earliest insert bearings were Bimetal construction with a lining of Babbitt. As mentioned above, although Babbitt offered optimum surface behavior, it lacked fatigue strength. It was found however, that the fatigue strength of Babbitt could be significantly improved by reducing its thickness (see figure 2). This principal is employed in two alternate types of construction. Bimetal “**MICRO BABBITT**” bearings use a thinner layer of Babbitt lining to provide better fatigue resistance, and



Trimetal bearings which use an extremely thin electroplated overlay layer of Babbitt over a stronger intermediate layer to combine the

surface properties of Babbitt with the greater fatigue strength of the intermediate layer. An alloy of Copper, Lead and Tin is the most commonly used intermediate layer. Casting this alloy onto the steel backing provides fatigue strength approximately 20% greater than the alternate powdered metal process referred to as sintering. Clevite 77® TriMetal™ engine bearings feature a cast copper lead intermediate layer for the greatest load carrying capacity available. (see figure 3)

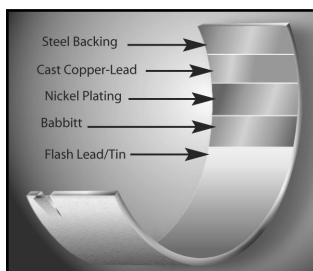


Figure 3

Original Equipment bearings have employed all of the popular types of materials and construction over the years. Bimetal Babbitt, Bimetal Copper-Lead, Bimetal Aluminum,

Trimetal Copper-Lead and Trimetal Aluminum have all been used at various times in numerous applications. Just like the unique dimensions mentioned earlier, which make each bearing specific to its intended application, a specific material and type of construction is also specified.

Trimetal bearing construction employing a cast copper-lead intermediate layer provides the best overall combination of all of the bearing properties described above (see figure 4).

The vast majority of Clevite 77® engine bearings are this type. In many cases this material and construction duplicate Original Equipment specifications. For example, Heavy Duty diesel engines nearly all use Trimetal bearings. In fact, this type of construction commonly

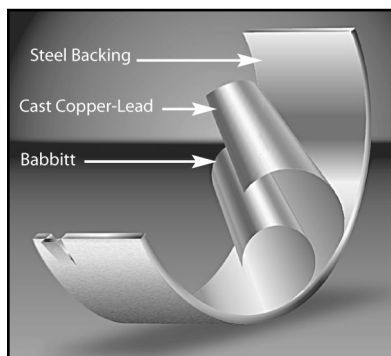


Figure 4

allows HD Diesels to enjoy service life in the range of 500,000 miles or more. Although some HD Original Equipment bearings use an aluminum alloy intermediate layer, the majority use cast copper lead. In a great many cases Clevite 77® TriMetal™ engine bearings are an upgrade from a Bimetal type used in Original Equipment. This has earned Clevite 77 the reputation of being the ultimate High Performance bearing as attested to by its popularity in motorsports such as NASCAR and NHRA Top Fuel classes as well as other form of racing.

A recent trend in Original Equipment passenger and light truck applications has been toward the use of aluminum alloy based Bimetal bearings. These offer original engine manufacturers a lower cost alternative by eliminating the electroplating operation necessary in the manufacture of Trimetal bearings. These Bimetal aluminum alloy bearings typically employ a lining material consisting of a high percentage of aluminum combined with tin to provide some surface action and a small percentage of silicon for wear resistance (see figure 5). The use of a single multipurpose lining represents a compromise in

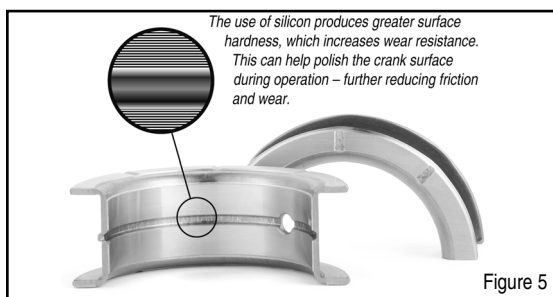


Figure 5

the bearing qualities outlined above. These compromises are generally acceptable for the typical light duty demands of passenger car and light truck service.

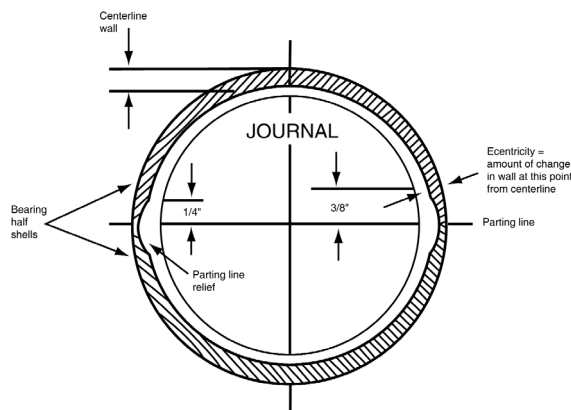
Clevite 77® "AS" BiMetal™ engine bearings (part numbers with a suffix letter A) are of aluminum, tin, silicon Bimetal type of material and construction. These offer the engine rebuilder an OE type of bearing for engines going into light duty applications. They are only recommended for applications where all engine components have been reconditioned to engine manufacturers original specifications. Their use is not recommended for Heavy Duty service where heavy demands are placed on the engine or High Performance applications where Clevite 77 TriMetal™ is still the ultimate performance choice.

No single material is perfect for every application. Different bearing materials have different advantages in terms of resistance to corrosion, rate of wear, and fatigue strength. Engine operating conditions must be considered when selecting bearings.

HOW MUCH CLEARANCE DO YOUR BEARINGS NEED?

How much clearance do I need for my rod, main or camshaft bearings? This is one of the most frequently asked questions we receive. Unfortunately there isn't one simple answer that suits every case. This is because engine application, lubricant selection and operating conditions will dictate different clearance levels. This isn't to say we can't generalize on at least a starting point.

First, let's define how and where clearance should be measured. Half shell rod and main bearings do not have a uniform wall. The wall is thickest at 90 degrees from the split and drops off a prescribed amount toward each parting line, depending on the bearings intended application. This drop off is called "Eccentricity." In addition, there is a relief at the parting lines. Eccentricity is used to tailor the bearing shell to its mating hardware and to provide for hardware deflections in operation. Eccentricity also helps to promote oil film formation by providing a wedge shape in the clearance space. The relief at each parting line insures that there will not be a step at the split line due to bearing cap shift or the mating of bearing shells that differ slightly in thickness within allowed tolerance limits.



For these reasons, bearing clearances are specified as "Vertical clearance" and must be measured at 90 degrees to the split line. The best method of measurement is with a dial bore gage that measures the bearing Inside Diameter when the bearings are installed at the specified torque without the shaft in place. Measurements should be taken at front, center and rear of each bearing position. Another common method of checking clearance is through the use of Clevite 77® Plastigage®.

For most applications .00075 to .0010" (three quarters to one thousandth of an inch) of clearance per inch of shaft diameter is a



reasonable starting point. For example a 2.000" shaft diameter would require .0015 to .0020" bearing clearance. ($.00075 \times 2.000 = .0015$ " and $.0010 \times 2.000 = .0020$ ") Using this formula will provide a safe starting point for most applications. For High Performance engines it is recommended that .0005" be added to the maximum value determined by the above calculation. The recommendation for our 2.000" shaft would be .0025" of clearance.

Remember however, that the above are only recommended starting points. The engine and its application will tell us where to go from these starting points. For example, a passenger car engine assembled at .0010" per inch of shaft diameter might turn out to be noisy on start-up, especially if the engine has an aluminum block. Most passenger car engines are originally assembled by "Select Fitting" to achieve clearances that are less than what would result from random selection of mating parts. This is because the stack-up of manufacturing tolerances on the mating parts may exceed the acceptable level for control of noise and vibration. In addition, most new passenger car engines are now designed to use 5W-30 weight oils to reduce HP loss and conserve energy. These lighter weight oils are capable of flowing more freely through tighter clearances.

Let's pick some typical manufacturing tolerances and look at the potential clearance range that results. A tolerance range (from min. to max. sizes) of .0010" is typical for most crankshaft journals as well as both rod and main bearing housing bores. If the engine uses bimetal bearings the wall tolerance is .0003" per shell or .0006" in total. Adding these up we get .0010" for the housing + .0010" for the shaft + .0006" for the bearings = .0026" total clearance variation possible due to mating part manufacturing tolerances. If our minimum assembled clearance is just .0005" this makes the maximum possible .0031". (.0005" min. + .0026 tolerance range = .0031" max.) For normal passenger car application .0031" of bearing clearance would generally be too much. However, if we take the same engine, let's say a small V-8, and put it in a truck used to pull a camping trailer and use a heavier weight oil, the larger clearance would be more acceptable.

Clearance is also somewhat of a safety factor when imperfections in alignment and component geometry creep in. As surfaces are more perfectly machined and finished, sensitivity to oil film break down is reduced and tighter clearances can be tolerated. Tighter clearances are desirable because they cause the curvature of the shaft and bearing to be more closely matched. This results in a broader oil film that spreads the load over

more of the bearing surface thus reducing the pressure within the oil film and on the bearing surface. This will in turn improve bearing life and performance. Typically a used bearing should exhibit signs of use over 2/3 to 3/4 of its ID surface in the most heavily loaded half. (Lower main and upper rod halves) Illustrations depicting these typical wear patterns are shown at the front of the Clevite 77® engine bearing catalog.

Clearance is just one of many variables that effects bearing performance. In addition things like oil viscosity, which is determined by oil type and grade selection, engine operating temperature, oil pressure, engine RPM, oil hole drillings in both the block and crankshaft, bearing grooving and other bearing design features all interrelate in the function of an engines lubricating system.

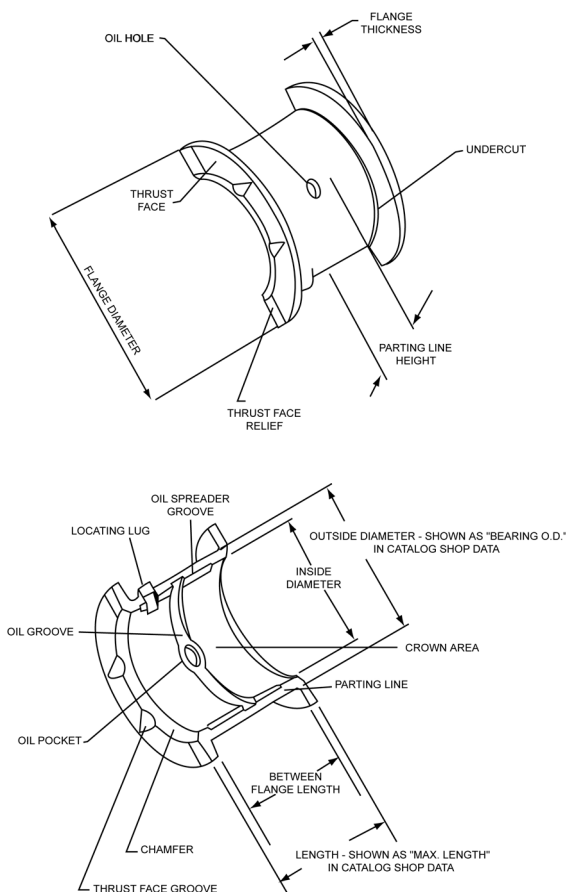
Lighter weight oils have less resistance to flow, consequently their use will result in greater oil flow and possibly less oil pressure, especially at larger clearances. All oils thin out as they heat up; multi-grade oils, however, don't thin out as rapidly as straight grades. Original Equipment clearance specifications are necessarily tight due to the use of energy conserving light-weight oils, relatively high operating temperatures and a concern for control of noise and vibration, especially in aluminum blocks.

High Performance engines on the other hand, typically employ greater bearing clearances for a number of reasons. Their higher operating speeds result in considerably higher oil temperatures and an accompanying loss in oil viscosity due to fluid film friction that increases with shaft speed. Increased clearance provides less sensitivity to shaft, block and connecting rod deflections and the resulting misalignments that result from the higher levels of loading in these engines. Use of synthetic oils with their better flow properties can help to reduce fluid film friction.

Friction and Horse Power loss are prime concerns in High Performance engines for obvious reasons. As a result, the coating of various engine components with friction reducing compounds has become common practice. Clevite 77® has announced the introduction of their line of TriArmor™ coated bearings for selected High Performance applications. Clevite 77® wants to provide High Performance engine builders with Clevite 77® performance series bearings already coated with a friction reducing surface treatment. Use of these coated bearings may result in slightly less clearance than the uncoated Clevite 77® high performance parts for the same application. This will typically be in the range of

.0005." This is because the coating, although expected to remain in place during service, is considered to be somewhat of a sacrificial layer. Some amount of the coating will be removed during break-in and operation resulting in a slight increase in clearance. This is the reason no adjustment in bearing machining dimensions was made to allow for coating application.

So as you can surmise from reading the above notes, bearing clearance is not a subject that can be addressed without taking into account numerous variables



including; geometry of the parts, oil viscosity, oil temperature, engine load, shaft diameter, bearing coatings and one's own ability to accurately measure and assess these variables.

INFLUENCE OF GROOVING ON MAIN BEARING PERFORMANCE

Various forms of main bearing grooving have been used over the years. We are frequently asked what difference grooving makes.

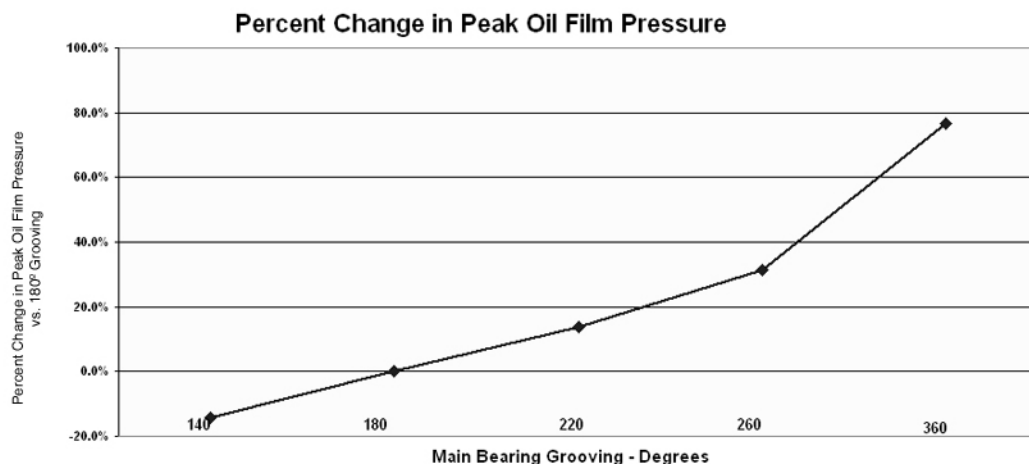
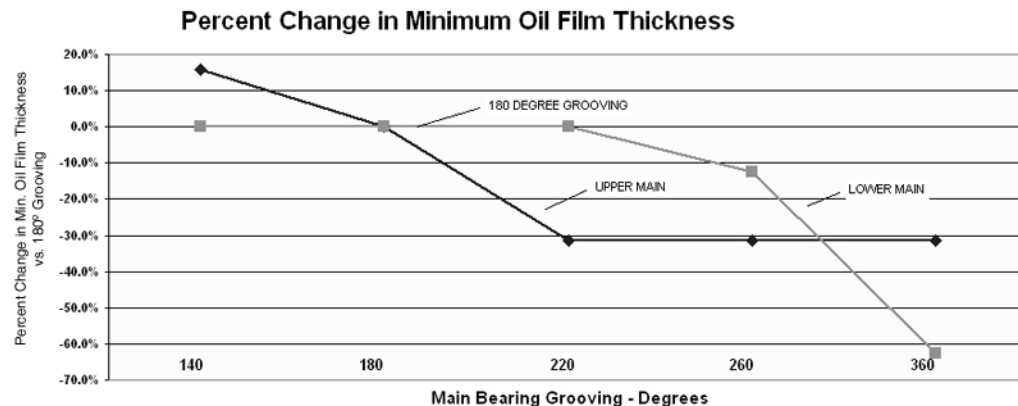
First, it's essential to understand that bearings depend on a film of oil to keep them separated from the shaft surface. This oil film is developed by shaft rotation. As the shaft rotates it pulls oil into the loaded area of the bearing and rides up on this film much like a tire hydroplaning on wet pavement. Grooving in a bearing acts like tread in a tire to break up the oil film. While you want your tires to grip the road, you don't want your bearings to grip the shaft.

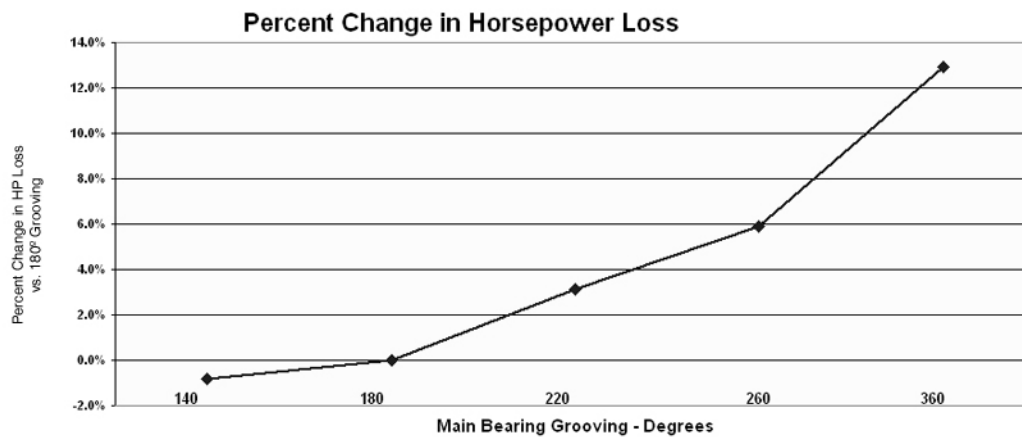
The primary reason for having any grooving in a main bearing is to provide oil to the connecting rods. Without rod bearings to feed, a simple oil hole would be sufficient to lubricate a main bearing. Many early engines used full grooved bearings and some even used multiple grooves. As engine and bearing technology developed, bearing grooving was removed from modern lower main bearings. The result is in a thicker film of oil for the shaft to ride on. This

provides a greater safety margin and improved bearing life. Upper main shells, which see lower loads than the lowers, have retained a groove to supply the connecting rods with oil.

In an effort to develop the best possible main bearing designs for performance engines, we've investigated the effects of main bearing grooving on bearing performance. The graphs on the next page illustrate that a simple 180° groove in the upper main shell is still the best overall design.

While a slightly shorter groove of 140° provides a marginal gain, most of the benefit is to the upper shell, which doesn't need improvement. On the other hand, extending the groove into the lower half, even as little as 20° at each parting line (220° in total), takes away from upper bearing performance without providing any benefit to the lower half. It's also interesting to note that as groove length increases so do Horsepower Loss and Peak Oil Film Pressure which is transmitted directly to the bearing.



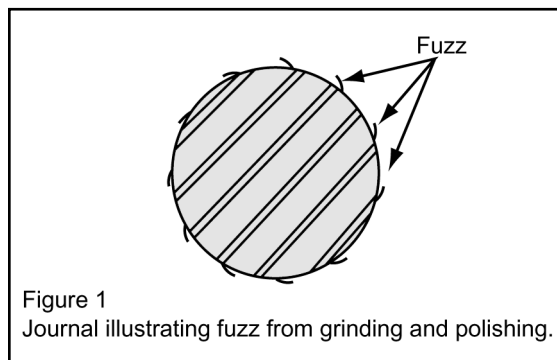


CRANKSHAFT GRINDING AND POLISHING

Crankshaft journal surfaces should be ground and polished to a surface finish of 15 micro inches roughness average Ra or better. Journals on highly loaded crankshafts such as diesel engines or high performance racing engines require a finish of 10 micro inches Ra or better.

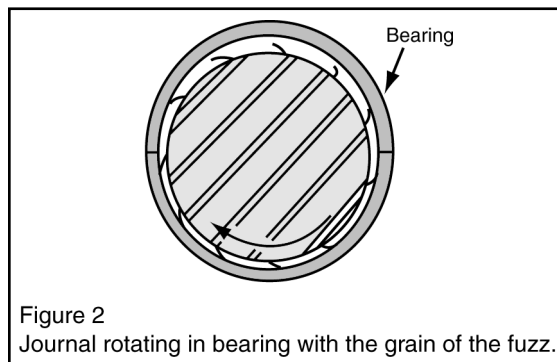
The above is a simple straight forward specification which can be measured with special equipment. However, there is more to generating a ground and polished surface than just meeting the roughness specification. To prevent rapid, premature wear of the crankshaft bearings and to aid in the formation of an oil film, journal surfaces must be ground opposite to engine rotation and polished in the direction of rotation. This recommendation can cause a great deal of confusion in actual execution. Understanding the reasons behind the recommendation and examination of the following illustrations will help make the recommendation more clear.

Metal removal tends to raise burrs. This is true of nearly all metal removal processes. Different processes create different types of burrs. Grinding and polishing produces burrs that are so small that we can't see or feel them but they are there and can damage bearings if the shaft surface is not generated in the proper way. Rather than "burrs," let's call what results from grinding and polishing "microscopic fuzz." This better describes what is left by these processes. This microscopic fuzz has a grain or lay to it like the hair on a dog's back. Figure 1 is an illustration depicting the lay of this fuzz on a journal. (Note: All figures are viewed from nose end of crankshaft.) The direction in which a grinding wheel or polishing belt passes over the journal surface will determine the lay of the micro fuzz.



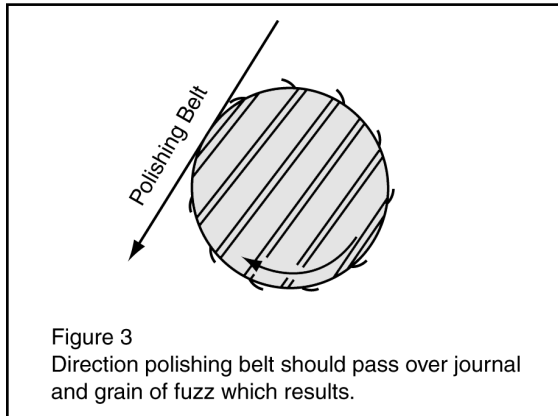
In order to remove this fuzz from the surface, each successive operation should pass over the journal in the opposite direction so that the fuzz will be bent over backward and removed. Polishing in the same direction as grinding would not effectively remove this fuzz because it would merely lay down and then spring up again. Polishing must, therefore, be done opposite to grinding in order to improve the surface.

In order to arrive at how a shaft should be ground and polished, we must first determine the desired end result and then work backwards to establish how to achieve it. Figure 2 depicts a shaft turning in a bearing viewed from the front of a normal clockwise rotating engine. The

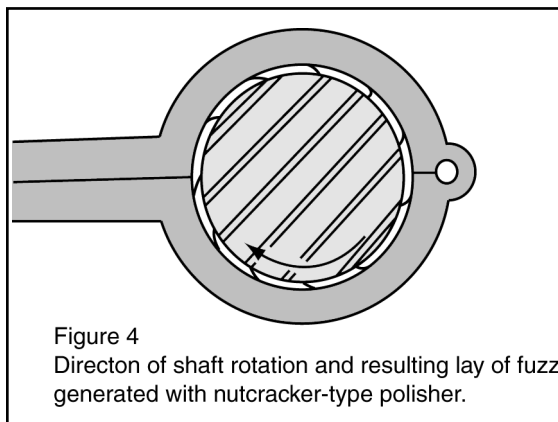


desired condition is a journal with any fuzz left by the polishing operation oriented so it will lay down as the shaft passes over the bearing (Figure 2).

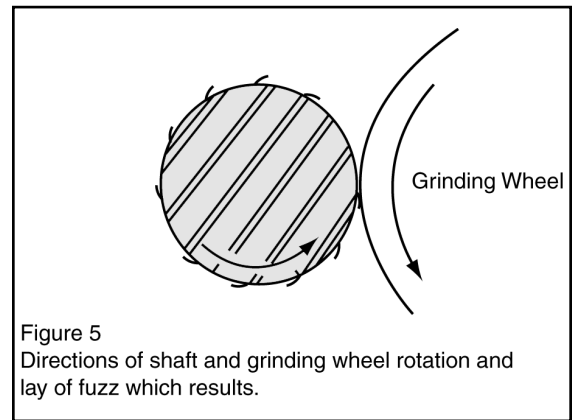
The analogy to the shaft passing over the bearing is like petting a dog from head to tail. A shaft polished in the opposite direction produces abrasion to the bearing which would be like petting a dog from tail to head. To generate a surface lay like that shown in Figure 2, the polishing belt must pass over the shaft surface as shown in Figure 3.



The direction of shaft rotation during polishing is not critical if a motorized belt type polisher is used because the belt runs much faster than the shaft. If a nutcracker-type polisher is used, then proper shaft rotation must be observed (Figure 4). Stock removal during polishing must not exceed .0002" on the diameter.



Having determined the desired surface lay from polishing, we must next establish the proper direction for grinding to produce a surface lay opposite to that resulting from polishing. Figure 5 shows the grinding wheel and shaft directions of rotation and surface lay for grinding when viewed from the front or nose end of the crankshaft. This orientation will be achieved by chucking the flywheel flange at the left side of the grinder (in the



headstock). Achieving the best possible surface finish during grinding will reduce the stock removal necessary during polishing.

The surface lay generated by grinding would cause abrasion to the bearing surfaces if left unpolished. By polishing in the direction shown in either figure 3 or 4, the surface lay is reversed by the polishing operation removing fuzz created by grinding and leaving a surface lay which will not abrade the bearing surface.

Nodular cast iron shafts are particularly difficult to grind and polish because of the structure of the iron. Nodular iron gets its name from the nodular form of the graphite in this material. Grinding opens graphite nodules located at the surface of the journal leaving ragged edges which will damage a bearing. Polishing in the proper direction will remove the ragged edges from these open nodules.

All of the above is based on normal clockwise engine rotation when viewed from the front of the engine. For crankshafts which rotate counterclockwise, such as some marine engines, the crankshaft should be chucked at its opposite end during grinding and polishing. This is the same as viewing the crank from the flanged end rather than the nose end in the accompanying figures.

SEVERE USE RECOMMENDATIONS

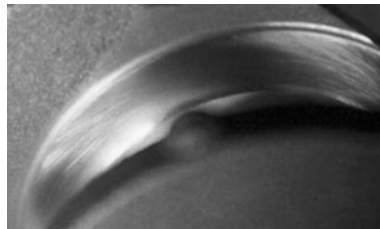
Crankshaft surface finish and shape are key factors affecting the performance of all bearings. These factors become even more critical for thrust surfaces. As in any bearing, increased loading reduces oil film thickness between shaft and bearing surfaces. This is a much more critical situation in thrust bearings due to their flat faces which make formation of an oil film extremely difficult. Radial bearings (those which carry loads in a radial direction like rod and main bearings) form a natural wedge where shaft and bearing surfaces come together in the clearance space. Shaft rotation pulls a wedge of oil into the loaded area of the bearing and forms an oil film that supports the load.

Thrust faces, on the other hand, are made up of two flat surfaces that do not form a natural wedge where they meet. In order to help form an oil film, artificial wedge shaped areas are machined into the bearing surfaces at the ends and sometimes adjacent to the grooves. In spite of all the common design efforts, thrust bearings still run on a much thinner film of oil that makes crankshaft surface finish critical in the successful performance of these bearings.

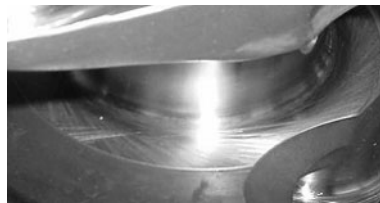
Recent samples of thrust face surface finish on crankshafts from blown fuel "Hemi" engines have confirmed that better finishes resulted in a reduced rate of bearing distress. The study also showed that when no damage occurred, the crankshaft surface finish was improved after running. The surface finishes of 12 crankshafts were measured (7 new and 5 used). The new shafts ranged from a high of 30 Ra to a low of 5 Ra. The used shafts had a very similar range from 31 Ra to 4 Ra. Although this represents only a small sampling, it does demonstrate a correlation between surface finish

and performance when the condition of mating bearing surfaces was evaluated. Prior to these measurements, race experience had shown no problems on a crankshaft with a thrust-face Ra of 6 and DID show problems on crankshafts when the Ra was over 20!

Obtaining a good finish on the thrust face of a crankshaft is difficult to do because it uses side-wheel grinding. Side grinding causes marks that spiral outward toward the OD of the thrust face and may also cause crosshatch marks resembling honing patterns. Both patterns are detrimental to the formation of an oil film because they work like wipers as the shaft rotates. Grinding marks must be removed by polishing. Only a circular pattern should remain. Surface finish should be checked in a tangential direction and must be held to 10 Ra max. The thrust surface should be flat within .0002" max.



AVOID - SWIRL PATTERN



AVOID - CROSSHATCH PATTERN

HEAVY DUTY CAM BEARING MATERIALS FOR VARIOUS APPLICATIONS

In the last decade or so engine development has increased dramatically. Each time an existing engine is revised or a new engine is developed, it pushes the limits of what its predecessor could produce both in horsepower and torque as well as fuel efficiency. With these gains, comes an increased load on the internal parts of these engines. One of these parts that are continually asked to perform under greater and greater pressures is the cam bearing. In engine configurations such as V6's and high RPM 4 cylinders, the cam bearing is a vital link along the path of the engines oiling system. If a cam bearing wears out prematurely the engine loses some of its oil pressure, which we all know can lead to premature engine failure. Other problems, which can be caused by premature cam bearing wear, are excessive cam lobe runout, improper timing, and generally poor

running conditions. This is where strength and durability become key issues. This is why, in most applications, the O.E. manufacturers have turned to higher performing cam bearing materials. Traditional babbitt can only withstand up to 1800 psi. Clevite 77s' AL-3 material can withstand up to 5000 psi. Quite a difference. When trying to adapt babbitt to an application that requires a more durable material, extra oil grooves are needed on the outside diameter of the bearing itself to help get oil to the rest of the engine. This only addresses the oil starvation symptom inherent to the real problem of premature wear. All of the other symptoms that were listed above still occur with the right material for the job, such as Clevite 77's AL-3, these extra oil grooves aren't needed at all. In fact this gives more bearing contact area to the block to help in transferring heat away from these parts and

prolonging bearing and engine life. Remember, when strength and durability is part of the question, Clevite 77 is the answer.

On certain modified performance applications Clevite 77 also offers a TriMetal cam bearing material (TM-1)

that provides even greater strength and durability. These cam bearings are able to withstand loads in excess of 8,000 psi, while providing surface characteristics that are very forgiving and conformable.

PREVENTING PREMATURE CAM BEARING FAILURE

For many years, nearly all camshaft bearings were manufactured with a lining of babbitt. Babbitt is a soft slippery material made up primarily of lead and tin and is quite similar to solder. As a bearing surface layer, babbitt possesses the desirable properties necessary to survive under adverse conditions such as foreign particle contamination, misalignment and marginal lubrication on start up.

The trend in modern engines has been toward higher operating temperatures and higher valvetrain loads. Babbitt is limited in its ability to survive under these conditions due to its relatively low strength. When babbitt cam bearings are installed under these demanding conditions, the lining may extrude or fatigue. Fatigue can be identified by craters in the bearing surface where sections of lining material have flaked out.

To meet the demands of higher loads and operating temperatures in modern engines as well as the requirements imposed by high performance, babbitt has been replaced by an alloy of aluminum. This aluminum alloy is much stronger than babbitt and will withstand several times the load. However, this added strength is obtained at the expense of some of the more forgiving properties of babbitt. The aluminum alloy is harder, making it somewhat less compatible with dirt, misalignment and marginal lubrication. This is typical of the compromises or trade offs that are frequently necessary when selecting a bearing material to suit the requirements of a specific application and in this case, higher loading.

Typically, whenever a higher level of loading is encountered, greater precision is required to maintain reliability. Conditions such as cleanliness, alignment, clearances, journal surface finishes and lubrication must all be controlled more closely. Following are some recommendations to help optimize performance when using aluminum alloy camshaft bearings.

Sufficient clearance is necessary in the initial installation. These stronger bearings will not wear in rapidly to make

their own clearance like softer babbitt materials. Minimum clearance should be .002" for stock engines and .003" for high performance. Optimum clearance range for high performance applications is .003" to .004". Because of the stack up of tolerances on the block, shaft and bearing it is impossible to control clearance to this range in the manufacture of the bearing alone. Clearances must be measured at installation.

Honing the ID's of cam bearings to increase clearance is not recommended because hone grit may become embedded in bearing surfaces that will cause shaft wear. Bearing ID's may be reamed, but the most practical means is to adjust camshaft journal diameters by grinding the journal. Even if not ground to provide additional clearance, camshaft bearing journals should be polished to the proper surface finish with the camshaft rotating in the same direction it will rotate in the engine.

Like clearance, alignment is also extremely important especially for high performance applications. Any block that has needed to have its main bearing bore alignment corrected due to distortion is likely to have experienced cam bearing bore distortion as well. Adequate clearance can help compensate for minor misalignment of less than .001".

Installation of bearings into the block must be done with care to avoid shaving metal off the backs of the bearings. This galling action may cause a build-up of metal between the bearing OD and the housing bore which will result in a reduction in clearance. To prevent galling, check housing bores for a proper 25 to 30 degree lead-in chamfer before installing cam bearings. On blocks without grooves behind the cam bearings, care must be taken to insure that oil holes line up between the bearings and block. Where the block has a groove behind the bearing, the bearing should be installed with the oil hole at the 2 o'clock position when viewed from the front for normal clockwise camshaft rotation. This will introduce oil into the clearance space outside of the loaded area and allow shaft rotation to build an oil film ahead of the load.

POINTERS FOR SELECTING CLEVITE 77®

HIGH PERFORMANCE ROD AND MAIN BEARINGS

We are frequently asked “How can I tell which Clevite 77® high performance bearing to use?” With all of the options currently available in the Clevite 77 line, that’s a reasonable question to ask. Before answering that question, let us explain why we offer so many different parts and what the differences are.

Just like Fords differ from Chevrolets and Chryslers, the various specialty parts for these engines also differ from one specialty manufacturer to another. This is not to say that any one brand of connecting rod, for example, is necessarily better than another, they just exhibit different characteristics.

BACKGROUND

All bearings are an interference fit in their housing; this relates to something we call crush. Crush results from each half shell bearing being made a few thousandths more than a true half circle. When two bearing shells are placed together their outside diameter is slightly larger than the ID of the housing they fit into. When the housing cap is torqued the bearings are compressed, like a spring, resulting in a radial contact pressure between the bearings and the housing. Another way of looking at it is that the housing is squeezing inward on the bearings and the bearings are pushing back outward against the housing. Most of the interference fit is taken up by the bearings but the outward force exerted by the bearings against the housing also causes slight changes in the size and shape of the housing. This is called “Housing Bore Distortion” or just “Bore Distortion”. With these factors in mind, it’s easy to understand why housings made of different materials like aluminum versus iron or steel will have different amounts of “Bore Distortion”.

Compensating for differing amounts of bore distortion isn’t as simple as just making an adjustment in the bearing clearance when the engine is assembled. The reason is that most housings (connecting rods and engine blocks) have irregular shapes surrounding the bearing. Rods, for example, have a beam at the top, notches for bolt heads or nuts, some have ribs over the cap while others don’t and of course, the parting line between the rod and cap is a weak point. The result is that bore distortions are seldom ever uniform in all directions. Some housings go out of round with the greatest dimension in the horizontal direction while others grow more in the vertical. Still others may bulge where there’s a notch for bolt head clearance. All of these bore distortion characteristics relate to the static loads between the bearings and housing when the

engine is not running. Still another consideration is what happens under the dynamic conditions of a running engine where loads are constantly changing in magnitude and direction. Engine loads placed on the bearings and their housings will result in still further changes in housing bore geometry.

Original equipment bearings are tailored to compensate for the combined static and dynamic distortions which occur in the housings. Specialty high performance parts like connecting rods and aluminum blocks are made for lighter weight and to withstand the higher loads and speeds of high performance engines. They seldom ever duplicate the bore distortion characteristics of the original equipment parts. Taking these facts into account, it should come as no surprise then that standard passenger car bearings are not suitable for engines modified extensively to produce higher horsepower and speeds. This not only explains why we have special bearings for high performance, but also why we offer several choices.

With so many different specialty high performance connecting rods and blocks available it’s impossible for the bearing manufacturer to know the characteristics of every piece. Even if we did, the choices of related parts which influence such things as rotating and reciprocating weights and balancing, all effect bearing loads and consequently dynamic bore distortions.

BEARING DESIGN

So just how are bearings tailored to compensate for bore distortions? To understand this important design concern, we must first determine what the most desirable shape for a bearing ID is. If everything remained constant like loading, speeds and housing geometry, a perfectly round bearing could be made to work very well. For example, electric motor bushings run almost indefinitely under these conditions. In an engine where we have the variables described above, it has been determined that a slightly oval bearing ID with the minimum diameter oriented in line with the maximum load is the most desirable. To produce this type of profile, bearings are made with what we call an eccentric wall. In nearly all cases the bearing wall is thickest at 90 degrees to the parting line and tapers off from that point toward each parting line by some specified amount.

The amount of change, called eccentricity, is tailored to suit the bore displacement characteristics of the housing. A housing which experiences its greatest distortion in the

horizontal direction (across the parting line) provides the desired oval shape so the bearing requires a minimum amount of eccentricity. If the housing experiences its maximum distortion in the vertical direction, a high eccentricity bearing is needed to compensate for this and produce the desired maximum ovality in the horizontal direction.

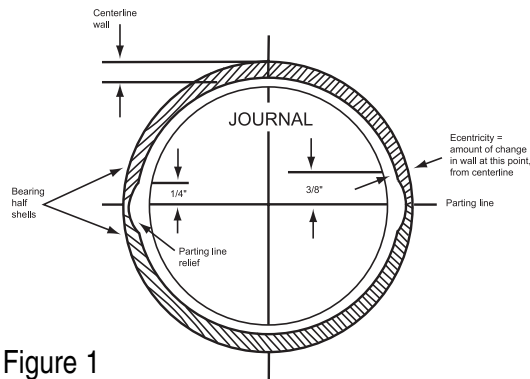


Figure 1

Connecting rods are subjected to high inertia loads at the top of the exhaust stroke when the weight of the piston, rings, wrist pin and top end of the rod are all pulling on the rod cap. This loading tries to stretch the

rod and pulls the big end out of round, causing it to close in across the parting line. In this case, bearing wall eccentricity provides extra clearance to let the rod flex without having the bearings contact the shaft. Besides low, medium and high eccentricity, Clevite 77 high performance bearings are offered with numerous additional features to make them compatible with related parts and suitable for the loads and speeds of competition engines.

BEARING FEATURES

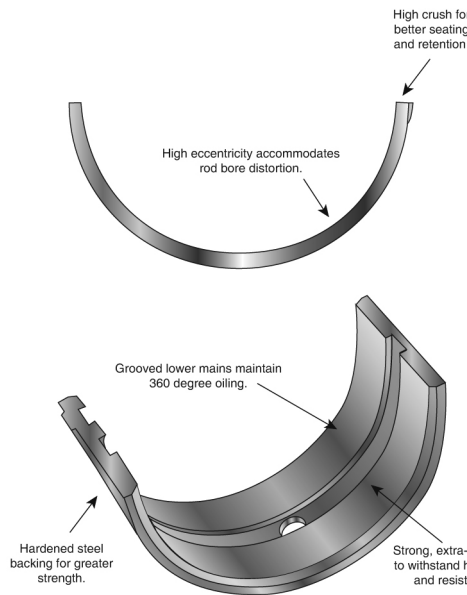
All bearings stamped 'Clevite 77' are constructed of TriMetal™ cast copper lead. These bearings have a steel back for support, a cast copper lead lining to withstand the loads of engine operation and an electroplated babbitt overlay on the running surface to provide bearing surface qualities. The Clevite 77 marking alone does not necessarily mean the bearing is optimum for high performance. We make Clevite 77 bearings for passenger cars too. All high performance bearings are cataloged separately in this catalog.

P-SERIES

These are not to be confused with the standard passenger car and light truck parts for the same retention applications which also have a "P" suffix letter. These high performance parts have unique core part numbers different from the standard parts for the same application. P series parts are the oldest series of Clevite 77 high performance bearings. The rod bearings in this series typically have the greatest amount of eccentricity. Most rod bearings are available either with or without dowel holes for use in aluminum rods. Most P series main sets are full grooved to maximize oil flow to the rod bearings. Both rods and mains have high crush for maximum retention, and a reduced overlay thickness to prevent overlay fatigue, sometimes referred to as hen tracking. Rod bearings use a hardened steel back for added strength and resistance to fretting. Extra clearance rod bearings are available for .001" additional clearance and select fitting.

Use the P series rods where extremely high RPM's cause severe rod bore close-in. This is typically indicated by nearly full parting line to parting line shaft contact with bearings having less eccentricity. Use P series mains where higher eccentricity is desired to narrow bearing contact patterns and to provide increased oiling to rod

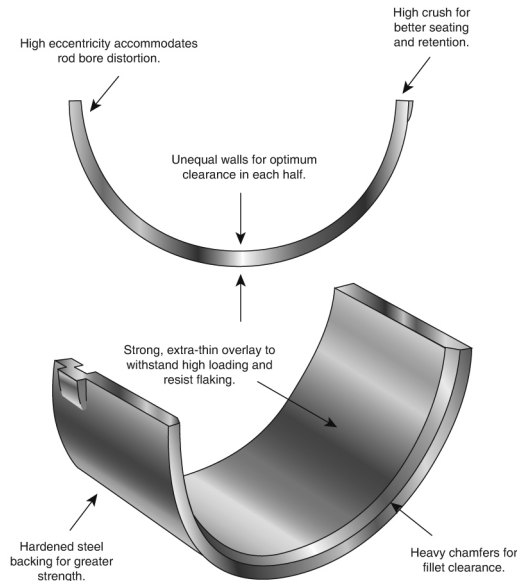
bearings. Rod bearing oil starvation is typically indicated by polishing and smearing of the bearing surface, possibly accompanied by discoloration predominantly concentrated at the axial center of the bearings.



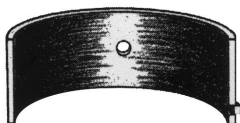
DELTAWALL P-SERIES

Deltawall bearings are only available for the early and late small block Chevrolet connecting rods. These bearings incorporate a patented design which produces a tighter clearance in the upper or rod half bearing to spread firing loads over more of the bearing surface, while providing greater clearance in the lower or cap half bearing to allow for rod bore close-in and to maintain oil flow for cool running. The upper and lower bearing shells differ in centerline wall thickness by .002". The upper is .001" thicker than a standard equal wall bearing, and the lower is .001" thinner than an equal wall design for the same application.

Use Deltawall rod bearings in engines which operate over a broad range of RPM's with only brief periods of operation at maximum RPM; such as engines running on road courses or short tracks where the engine pulls hard through its mid-range.

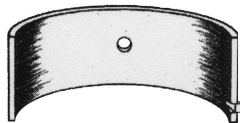


Narrow wear pattern



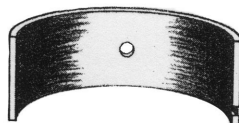
Too much eccentricity.
Use the H-Series to correct this.

Wide wear pattern



Too little eccentricity.
Use the P-Series to correct this.

Ideal wear pattern



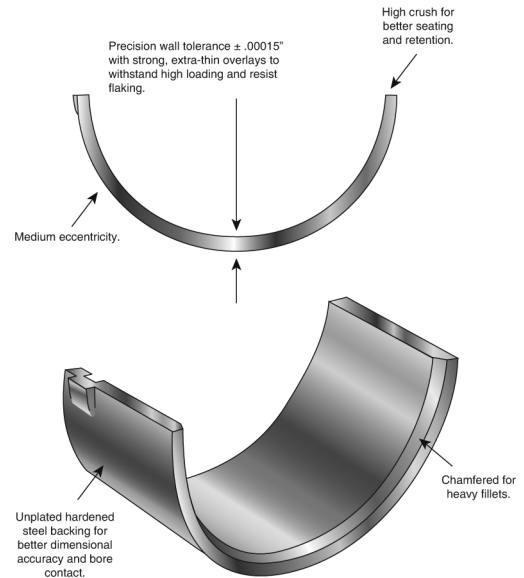
The wear pattern should cover 2/3 - 3/4 of the bearing surface area.

H-SERIES

These bearings are identified by a letter H in the part number suffix. Part numbering is based on the same core number as the standard passenger car parts for the same application. These bearings were developed primarily for use in NASCAR type racing, but are suitable for all types of competition engines.

H series bearings have a medium level of eccentricity, high crush, and rod bearings have a hardened steel back and thin overlay. These bearings also have enlarged chamfers for greater crankshaft fillet clearance and are made without flash plating for better seating. Bearings with .001" extra clearance are available for standard size shafts and carry the suffix HX" (X = extra clearance). Rod bearings are available with or without dowel holes (HD = with, H = without), main bearings are available with standard 180 degrees upper half grooving and with full 360 degrees grooving (H = 180 degrees, HG 360 degrees). Use H series bearings with crankshafts that have oversize fillets and where engines run in the medium to high RPM range. H series bearings should be used if contact patterns obtained with P series parts are too narrow. Contact patterns should ideally cover 2/3 to 3/4 of the bearing surface. See accompanying contact pattern diagrams.

If you aren't sure which type of performance bearing to start with, the H series bearing will be your best choice.

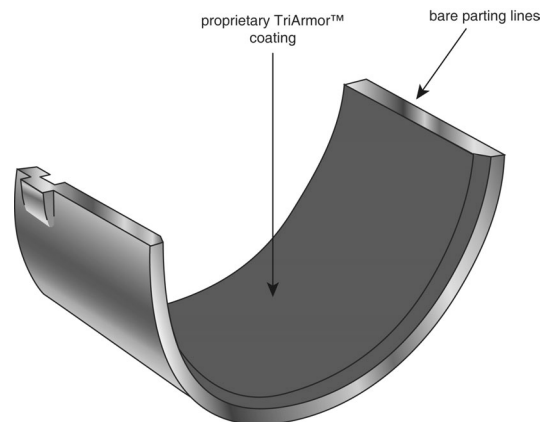


K-SERIES

These bearings are identified by a letter K in the part number suffix. Part numbering is based on the same core number as the high performance part and will service the same application. These bearings were developed primarily for high performance applications and all types of competition engines.

K series bearings have a proprietary moly/graphite treatment applied to the bearings surface, but not the bearing parting lines. The PTFE carrier material gives good low load start-up protection. The moly serves as a high pressure, high load dry film anti-wear agent. Graphite provides additional protection across the broad range of temperatures, especially when oil flow is marginal and is especially slippery with an oil film.

These bearings, which are also referred to as TriArmor™, still offer the strength and durability of the legendary Clevite 77 TriMetal™ bearing construction coupled with the latest in coating technology.



V-SERIES

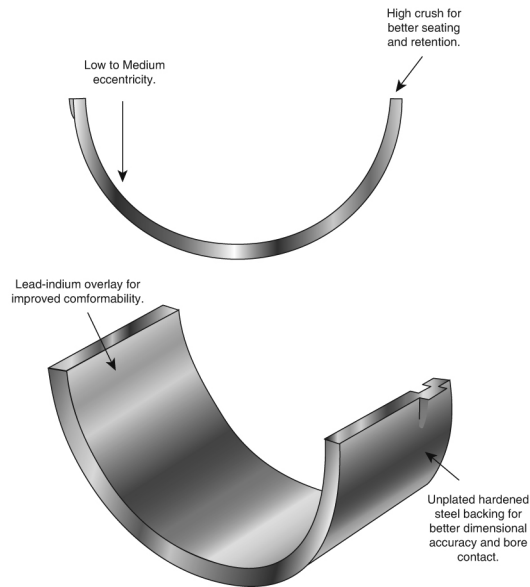
These parts essentially duplicate the former Vandervell parts under the Clevite 77 part numbering system. (Same core part no. as standard passenger car parts but with a suffix letter "V").

V series rod bearings typically have low to medium eccentricity and a hardened steel back. All V series main sets use a single piece thrust bearing rather than the former Vandervell assembled type of construction. V series parts are not available with oversize chamfers. Extra clearance parts are available with a suffix VX (.001" extra clearance), and VXX (.002" extra clearance) for some applications. V series bearings do not have flash plating on the steel back. Narrowed parts are available with a VN suffix for some applications. These are made to accommodate increased crankshaft fillet clearance.

The chief difference between the V series and other Clevite 77 TriMetal bearings is the use of a lead-indium overlay.

Use V series bearings if prior experience has shown a preference for the lead-indium type of overlay. Lead

indium overlay offers somewhat better conformability than lead-tin-copper overlay with slightly reduced wear resistance.

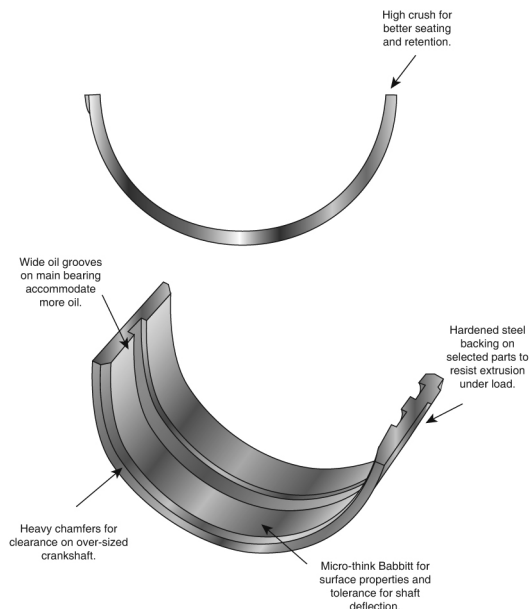


M-SERIES

Clevite "Micro" bearings make up the M series. These are special purpose bearings having a nominal .006" thick babbit lining on a hardened steel back. M series rod bearings have been slightly narrowed at one end to provide extra fillet clearance without the need of a large chamfer. The lower rod shells have a dowel hole for use in aluminum rods with dowel pins. M series mains have enlarged chamfers and, for certain applications, oil holes and oil grooves have also been enlarged.

Use M series parts to take advantage of the high degree of conformability offered by the babbit lining. These parts are intended mainly for engines where severe crankshaft deflections cause edge loading of the bearings. Under these operating conditions bearing service life will be very short.

Frequent inspections are recommended and bearings should be replaced at the first signs of distress.



OPTIONAL CONNECTING ROD BEARING SETS

The following is a list of Clevite 77® OPTIONAL Connecting Rod Bearing Sets. These sets may be purchased as a convenient alternative to pair packed connecting rod bearings. The suffix number in parenthesis indicates the number of pairs each set contains. To improve your use of time, space and packaging, consider purchasing set packs where they are available.

CB416P(6)	CB542P1(8)	CB634A10(8)	CB743A20(8)	CB762P40(8)
CB416P1(6)	CB542P10(8)	CB634A20(8)	CB743A30(8)	CB780P(4)
CB416P2(6)	CB542P20(8)	CB634A30(8)	CB743P(8)	CB780P25MM(4)
CB416P10(6)	CB542P30(8)	CB634P(8)	CB743P1(8)	CB780P50MM(4)
CB416P20(6)	CB542P40(8)	CB634P1(8)	CB743P2(8)	CB780P75MM(4)
CB416P30(6)	CB581P(8)	CB634P2(8)	CB743P10(8)	CB780P100MM(4)
CB416P40(6)	CB581P1(8)	CB634P10(8)	CB743P20(8)	CB818P(8)
CB416P50(6)	CB581P2(8)	CB634P20(8)	CB743P30(8)	CB818P1(8)
CB416C60(6)	CB581P10(8)	CB634P30(8)	CB743P40(8)	CB818P10(8)
CB461P(8)	CB581P20(8)	CB634P40(8)	CB743P50(8)	CB818P20(8)
CB461P1(8)	CB581P30(8)	CB634C60(8)	CB743C60(8)	CB818P30(8)
CB461P2(8)	CB581P40(8)	CB663A10(8)	CB745P(4)	CB818P40(8)
CB461P10(8)	CB581C60(8)	CB663A20(8)	CB745P(6)	CB819P(8)
CB461P20(8)	CB583P(4)	CB663A30(8)	CB745P(8)	CB819P10(8)
CB461P30(8)	CB583P(6)	CB663P(6)	CB745P1(4)	CB819P20(8)
CB461P40(8)	CB583P1(4)	CB663P(8)	CB745P1(6)	CB819P30(8)
CB461P50(8)	CB583P1(6)	CB663P1(6)	CB745P1(8)	CB831A10(8)
CB461C60(8)	CB583P10(4)	CB663P1(8)	CB745P2(4)	CB831A20(8)
CB465P(4)	CB583P10(6)	CB663P2(6)	CB745P2(6)	CB831A30(8)
CB465P(6)	CB583P20(4)	CB663P2(8)	CB745P2(8)	CB831P(8)
CB465P10(4)	CB583P20(6)	CB663P10(6)	CB745P10(4)	CB831P1(8)
CB465P10(6)	CB583P30(4)	CB663P10(8)	CB745P10(6)	CB831P10(8)
CB465P20(4)	CB583P30(6)	CB663P20(6)	CB745P10(8)	CB831P20(8)
CB465P20(6)	CB583P40(4)	CB663P20(8)	CB745P20(4)	CB831P30(8)
CB465P30(4)	CB583P40(6)	CB663P30(6)	CB745P20(6)	CB831P40(8)
CB465P30(6)	CB583G60(4)	CB663P30(8)	CB745P20(8)	CB927P(8)
CB465C40(4)	CB583G60(6)	CB663P40(6)	CB745P30(4)	CB927P1(8)
CB465C40(6)	CB606G(6)	CB663P40(8)	CB745P30(6)	CB927P10(8)
CB465C60(4)	CB606G1(6)	CB663C60(6)	CB745P30(8)	CB927P20(8)
CB465C60(6)	CB606G10(6)	CB663C60(8)	CB745P40(4)	CB927P30(8)
CB481P(8)	CB606G20(6)	CB684P(8)	CB745P40(6)	CB927P40(8)
CB481P1(8)	CB606G30(6)	CB684P1(8)	CB745P40(8)	CB960P(4)
CB481P2(8)	CB606G40(6)	CB684P10(8)	CB745C60(4)	CB960P(6)
CB481P10(8)	CB606G60(6)	CB684P20(8)	CB745C60(6)	CB960P(8)
CB481P20(8)	CB610P(4)	CB684P30(8)	CB745C60(8)	CB960P1(4)
CB481P30(8)	CB610P(6)	CB684P40(8)	CB758P(8)	CB960P1(6)
CB481P40(8)	CB610P(8)	CB699P(6)	CB758P1(8)	CB960P1(8)
CB481G50(8)	CB610P1(4)	CB699P1(6)	CB758P10(8)	CB960P2(4)
CB481G60(8)	CB610P1(6)	CB699P2(6)	CB758P20(8)	CB960P2(6)
CB527P(8)	CB610P1(8)	CB699P10(6)	CB758P30(8)	CB960P2(8)
CB527P1(8)	CB610P10(4)	CB699P20(6)	CB758P40(8)	CB960P10(4)
CB527P10(8)	CB610P10(6)	CB699P30(6)	CB760P(8)	CB960P10(6)
CB527P20(8)	CB610P10(8)	CB699P40(6)	CB760P1(8)	CB960P10(8)
CB527P30(8)	CB610P20(4)	CB699C60(6)	CB760P2(8)	CB960P20(4)
CB527P40(8)	CB610P20(6)	CB723P(4)	CB760P10(8)	CB960P20(6)
CB527C50(8)	CB610P20(8)	CB723P(6)	CB760P20(8)	CB960P20(8)
CB527C60(8)	CB610P30(4)	CB723P10(4)	CB760P30(8)	CB960P30(4)
CB535P(6)	CB610P30(6)	CB723P10(6)	CB760P40(8)	CB960P30(6)
CB535P1(6)	CB610P30(8)	CB723P20(4)	CB760C50(8)	CB960P30(8)
CB535P2(6)	CB610P40(4)	CB723P20(6)	CB760C60(8)	CB960P40(4)
CB535P10(6)	CB610P40(6)	CB723P30(4)	CB762P(8)	CB960P40(6)
CB535P20(6)	CB610P40(8)	CB723P30(6)	CB762P1(8)	CB960P40(8)
CB535P30(6)	CB610G60(4)	CB723P40(4)	CB762P10(8)	CB966P(4)
CB535P40(6)	CB610G60(6)	CB723P40(6)	CB762P20(8)	CB966P(6)
CB542P(8)	CB610G60(8)	CB743A10(8)	CB762P30(8)	

OPTIONAL CONNECTING ROD BEARING SETS

CB966P25MM(4)	CB1220P50MM(4)	CB1286P25MM(8)	CB1408P25MM(4)	CB1667A25MM(6)
CB966P25MM(6)	CB1220P75MM(4)	CB1286P50MM(8)	CB1408P50MM(4)	CB1667A50MM(6)
CB966P50MM(4)	CB1220P100MM(4)	CB1286P75MM(8)	CB1408P75MM(4)	CB1667A75MM(6)
CB966P50MM(6)	CB1223P(4)	CB1327P(8)	CB1410P(6)	CB1667P(6)
CB966P75MM(4)	CB1223P25MM(4)	CB1327P10(8)	CB1410P25MM(6)	CB1667P026MM(6)
CB966P75MM(6)	CB1223P50MM(4)	CB1327P20(8)	CB1410P50MM(6)	CB1667P25MM(6)
CB966P100MM(4)	CB1223P75MM(4)	CB1327P30(8)	CB1410P75MM(6)	CB1667P50MM(6)
CB966P100MM(6)	CB1227P(6)	CB1327P40(8)	CB1411P(6)	CB1667P75MM(6)
CB967P(4)	CB1227P1(6)	CB1351P(8)	CB1411P25MM(6)	CB1670P(6)
CB967P25MM(4)	CB1227P10(6)	CB1351P026MM(8)	CB1411P50MM(6)	CB1670P25MM(6)
CB967P50MM(4)	CB1227P20(6)	CB1351P25MM(8)	CB1411P75MM(6)	CB1670P50MM(6)
CB967P75MM(4)	CB1227P30(6)	CB1351P50MM(8)	CB1426P(4)	CB1670P75MM(6)
CB967P100MM(4)	CB1227P40(6)	CB1351P75MM(8)	CB1426P25MM(4)	CB1772P(6)
CB980P(4)	CB1228P(6)	CB1352P(4)	CB1426P50MM(4)	CB1772P25MM(6)
CB980P25MM(4)	CB1228P1(6)	CB1352P25MM(4)	CB1442P(8)	CB1772P50MM(6)
CB980P50MM(4)	CB1228P10(6)	CB1352P50MM(4)	CB1442P25MM(8)	CB1772P75MM(6)
CB980P75MM(4)	CB1228P20(6)	CB1352P75MM(4)	CB1442P50MM(8)	CB1774P(4)
CB980P100MM(4)	CB1228P30(6)	CB1353P(4)	CB1442P75MM(8)	CB1774P25MM(4)
CB984P(4)	CB1228P40(6)	CB1353P25MM(4)	CB1443P(6)	CB1774P50MM(4)
CB984P026MM(4)	CB1230P(8)	CB1353P50MM(4)	CB1443P10(6)	CB1774P75MM(4)
CB984P25MM(4)	CB1230P10(8)	CB1358A10(6)	CB1443P20(6)	CB1776A10(8)
CB984P50MM(4)	CB1230P20(8)	CB1358A20(6)	CB1443P30(6)	CB1776A20(8)
CB984P75MM(4)	CB1230P30(8)	CB1358A30(6)	CB1455AL(4)	CB1776A30(8)
CB984P100MM(4)	CB1230P40(8)	CB1358P(6)	CB1455AL25MM(4)	CB1776P10(4)
CB1017P(4)	CB1238A25MM(6)	CB1358P1(6)	CB1455AL50MM(4)	CB1776P10(6)
CB1017P25MM(4)	CB1238A50MM(6)	CB1358P10(6)	CB1455AL75MM(4)	CB1776P10(8)
CB1017P50MM(4)	CB1238A75MM(6)	CB1358P20(6)	CB1459P(4)	CB1776P20(4)
CB1017P75MM(4)	CB1238P(6)	CB1358P30(6)	CB1459P25MM(4)	CB1776P20(6)
CB1110P(4)	CB1238P026MM(6)	CB1358P40(6)	CB1459P50MM(4)	CB1776P20(8)
CB1110P25MM(4)	CB1238P25MM(6)	CB1361P(4)	CB1589P(4)	CB1776P30(4)
CB1110P50MM(4)	CB1238P50MM(6)	CB1361P25MM(4)	CB1589P25MM(4)	CB1776P30(6)
CB1110P75MM(4)	CB1238P75MM(6)	CB1361P50MM(4)	CB1589P50MM(4)	CB1776P30(8)
CB1110P100MM(4)	CB1238P100MM(6)	CB1361P75MM(4)	CB1590P(4)	CB1776P40(4)
CB1120AL(4)	CB1269P(4)	CB1362AL(4)	CB1590P25MM(4)	CB1776P40(6)
CB1120AL25MM(4)	CB1269P026MM(4)	CB1362AL25MM(4)	CB1590P50MM(4)	CB1776P40(8)
CB1120AL50MM(4)	CB1269P25MM(4)	CB1362AL50MM(4)	CB1591P(6)	CB1778A10(8)
CB1120AL75MM(4)	CB1269P50MM(4)	CB1362AL75MM(4)	CB1591P25MM(6)	CB1778A20(8)
CB1120AL100MM(4)	CB1269P75MM(4)	CB1380P(4)	CB1591P50MM(6)	CB1778A30(8)
CB1175AL(4)	CB1269P100MM(4)	CB1380P052MM(4)	CB1593AL(4)	CB1778P10(8)
CB1175AL25MM(4)	CB1276P(4)	CB1380P25MM(4)	CB1593AL25MM(4)	CB1778P20(8)
CB1175AL50MM(4)	CB1276P25MM(4)	CB1380P50MM(4)	CB1593AL50MM(4)	CB1778P30(8)
CB1175AL75MM(4)	CB1276P50MM(4)	CB1380P75MM(4)	CB1634P25MM(10)	CB1778P40(8)
CB1214AL(6)	CB1276P75MM(4)	CB1383P(4)	CB1634P25MM(8)	CB1779P10(8)
CB1214AL2(6)	CB1278AL(4)	CB1383P10(4)	CB1634P50MM(10)	CB1779P20(8)
CB1214AL10(6)	CB1278AL25MM(4)	CB1383P20(4)	CB1634P50MM(8)	CB1779P30(8)
CB1214AL20(6)	CB1278AL50MM(4)	CB1383P30(4)	CB1647P(4)	CB1779P40(8)
CB1214AL30(6)	CB1278AL75MM(4)	CB1385P(6)	CB1647P25MM(4)	CB1784P(8)
CB1214AL40(6)	CB1283A25MM(6)	CB1385P25MM(6)	CB1647P50MM(4)	CB1784P25MM(8)
CB1216AL(4)	CB1283A50MM(6)	CB1385P50MM(6)	CB1647P75MM(4)	CB1784P50MM(8)
CB1216AL25MM(4)	CB1283A75MM(6)	CB1385P75MM(6)	CB1648P(8)	CB1787P25MM(6)
CB1216AL50MM(4)	CB1283P(6)	CB1387P(6)	CB1648P25MM(8)	CB1787P50MM(6)
CB1216AL75MM(4)	CB1283P026MM(6)	CB1387P10(6)	CB1648P50MM(8)	CB1788P25MM(4)
CB1218P(4)	CB1283P25MM(6)	CB1387P20(6)	CB1648P75MM(8)	CB1788P50MM(4)
CB1218P25MM(4)	CB1283P50MM(6)	CB1387P30(6)	CB1654P(4)	CB1789P25MM(4)
CB1218P50MM(4)	CB1283P75MM(6)	CB1388P(4)	CB1654P25MM(4)	CB1789P50MM(4)
CB1218P75MM(4)	CB1283P100MM(6)	CB1388P25MM(4)	CB1654P50MM(4)	CB1790A25MM(6)
CB1218P100MM(4)	CB1286P(8)	CB1388P50MM(4)	CB1654P75MM(4)	CB1790A50MM(6)
CB1220P(4)	CB1286P026MM(8)	CB1388P75MM(4)	CB1654P100MM(4)	CB1790A75MM(6)
CB1220P25MM(4)		CB1408P(4)		

OPTIONAL CONNECTING ROD BEARING SETS

CB1790P25MM(6)	CB1796A50MM(6)	CB1801P30(8)	CB1808P25MM(8)	CB1815P50MM(8)
CB1790P50MM(6)	CB1796A75MM(6)	CB1801P40(8)	CB1808P50MM(8)	CB1815P75MM(8)
CB1790P75MM(6)	CB1796P25MM(6)	CB1802P10(8)	CB1809P25MM(8)	CB1816P10(6)
CB1791P25MM(4)	CB1796P50MM(6)	CB1802P20(8)	CB1809P50MM(8)	CB1816P20(6)
CB1791P50MM(4)	CB1796P75MM(6)	CB1802P30(8)	CB1810P25MM(8)	CB1817P25MM(4)
CB1791P75MM(4)	CB1797A25MM(6)	CB1803A10(8)	CB1810P50MM(8)	CB1817P50MM(4)
CB1793P25MM(4)	CB1797A50MM(6)	CB1803A20(8)	CB1811P(6)	CB1818P(6)
CB1793P50MM(4)	CB1797A75MM(6)	CB1803A30(8)	CB1811P10(6)	CB1818P25MM(6)
CB1793P75MM(4)	CB1797P25MM(6)	CB1803P10(8)	CB1811P20(6)	CB1818P50MM(6)
CB1794A10(6)	CB1797P50MM(6)	CB1803P20(8)	CB1812P(6)	CB1819P25MM(6)
CB1794A20(6)	CB1797P75MM(6)	CB1803P30(8)	CB1812P10(6)	CB1819P50MM(6)
CB1794A30(6)	CB1799P10(6)	CB1803P40(8)	CB1812P20(6)	CB1820P10(6)
CB1794P10(6)	CB1799P20(6)	CB1804P25MM(8)	CB1813P(4)	CB1820P20(6)
CB1794P20(6)	CB1799P30(6)	CB1804P50MM(8)	CB1813P25MM(4)	CB1827AL(4)
CB1794P30(6)	CB1799P40(6)	CB1805P(8)	CB1813P50MM(4)	CB1827AL10(4)
CB1794P40(6)	CB1800P10(6)	CB1805P25MM(8)	CB1814P(8)	CB1827AL20(4)
CB1795P10(6)	CB1800P20(6)	CB1805P50MM(8)	CB1814P25MM(8)	CB1827AL30(4)
CB1795P20(6)	CB1800P30(6)	CB1806P10(6)	CB1814P50MM(8)	CB1828AL10(4)
CB1795P30(6)	CB1800P40(6)	CB1806P20(6)	CB1814P75MM(8)	CB1828AL20(4)
CB1795P40(6)	CB1801P10(8)	CB1806P30(6)	CB1815P25MM(8)	CB1828AL30(4)
CB1796A25MM(6)	CB1801P20(8)	CB1808P(8)		

OPTIONAL .002" OVERSIZE CONNECTING ROD BEARING SETS

The following interchange is a list of Clevite 77® standard rod bearings sets and our OPTIONAL .002" oversize outside diameter rod bearings. These new .002" O/S rod bearing are intended to be used for connecting rods that have had the housing bores resized .002" larger than stock.

Std Bearing Set / Std Rod Bore	.002" OD Bearing Set / .002" O/S Rod Bore	Std Bearing Set / Std Rod Bore	.002" OD Bearing Set / .002" O/S Rod Bore
CB-481P-10	CB-1779P-10	CB-663A-30	CB-1776A-30
CB-481P-10(8)	CB-1779P-10(8)	CB-663A-30(8)	CB-1776A-30(8)
CB-481P-20	CB-1779P-20	CB-663P-10	CB-1776P-10
CB-481P-20(8)	CB-1779P-20(8)	CB-663P-10(6)	CB-1776P-10(6)
CB-481P-30	CB-1779P-30	CB-663P-10(8)	CB-1776P-10(8)
CB-481P-30(8)	CB-1779P-30(8)	CB-663P-20	CB-1776P-20
CB-481P-40	CB-1779P-40	CB-663P-20(6)	CB-1776P-20(6)
CB-481P-40(8)	CB-1779P-40(8)	CB-663P-20(8)	CB-1776P-20(8)
CB-634A-10	CB-1778A-10	CB-663P-30	CB-1776P-30
CB-634A-10(8)	CB-1778A-10(8)	CB-663P-30(6)	CB-1776P-30(6)
CB-634A-20	CB-1778A-20	CB-663P-30(8)	CB-1776P-30(8)
CB-634A-20(8)	CB-1778A-20(8)	CB-663P-40	CB-1776P-40
CB-634A-30	CB-1778A-30	CB-663P-40(6)	CB-1776P-40(6)
CB-634A-30(8)	CB-1778A-30(8)	CB-663P-40(8)	CB-1776P-40(8)
CB-634P-10	CB-1778P-10	CB-699P-10	CB-1799P-10
CB-634P-10(8)	CB-1778P-10(8)	CB-699P-10(6)	CB-1799P-10(6)
CB-634P-20	CB-1778P-20	CB-699P-20	CB-1799P-20
CB-634P-20(8)	CB-1778P-20(8)	CB-699P-20(6)	CB-1799P-20(6)
CB-634P-30	CB-1778P-30	CB-699P-30	CB-1799P-30
CB-634P-30(8)	CB-1778P-30(8)	CB-699P-30(6)	CB-1799P-30(6)
CB-663A-10	CB-1776A-10	CB-699P-40	CB-1799P-40
CB-663A-10(8)	CB-1776A-10(8)	CB-699P-40(6)	CB-1799P-40(6)
CB-663A-20	CB-1776A-20	CB-723P-10	CB-1795P-10
CB-663A-20(8)	CB-1776A-20(8)	CB-723P-10(6)	CB-1795P-10(6)

OPTIONAL .002" OVERSIZE CONNECTING ROD BEARING SETS

Std Bearing Set / Std Rod Bore	.002" OD Bearing Set / .002" O/S Rod Bore	Std Bearing Set / Std Rod Bore	.002" OD Bearing Set / .002" O/S Rod Bore
CB-723P-20	CB-1795P-20	CB-1238P-.50mm	CB-1797P-.50mm
CB-723P-20(6)	CB-1795P-20(6)	CB-1238P-.50mm(6)	CB-1797P-.50mm(6)
CB-723P-30	CB-1795P-30	CB-1238P-.75mm	CB-1797P-.75mm
CB-723P-30(6)	CB-1795P-30(6)	CB-1238P-.75mm(6)	CB-1797P-.75mm(6)
CB-723P-40	CB-1795P-40	CB-1283A-.25mm	CB-1796A-.25mm
CB-723P-40(6)	CB-1795P-40(6)	CB-1283A-.25mm(6)	CB-1796A-.25mm(6)
CB-760P-10	CB-1801P-10	CB-1283A-.50mm	CB-1796A-.50mm
CB-760P-10(8)	CB-1801P-10(8)	CB-1283A-.50mm(6)	CB-1796A-.50mm(6)
CB-760P-20	CB-1801P-20	CB-1283A-.75mm	CB-1796A-.75mm
CB-760P-20(8)	CB-1801P-20(8)	CB-1283A-.75mm(6)	CB-1796A-.75mm(6)
CB-760P-30	CB-1801P-30	CB-1283P-.25mm	CB-1796P-.25mm
CB-760P-30(8)	CB-1801P-30(8)	CB-1283P-.25mm(6)	CB-1796P-.25mm(6)
CB-760P-40	CB-1801P-40	CB-1283P-.50mm	CB-1796P-.50mm
CB-760P-40(8)	CB-1801P-40(8)	CB-1283P-.50mm(6)	CB-1796P-.50mm(6)
CB-818P-10	CB-1802P-10	CB-1283P-.75mm	CB-1796P-.75mm
CB-818P-10(8)	CB-1802P-10(8)	CB-1283P-.75mm(6)	CB-1796P-.75mm(6)
CB-818P-20	CB-1802P-20	CB-1358A-10	CB-1794A-10
CB-818P-20(8)	CB-1802P-20(8)	CB-1358A-10(6)	CB-1794A-10(6)
CB-818P-30	CB-1802P-30	CB-1358A-20	CB-1794A-20
CB-818P-30(8)	CB-1802P-30(8)	CB-1358A-20(6)	CB-1794A-20(6)
CB-831A-10	CB-1803A-10	CB-1358A-30	CB-1794A-30
CB-831A-10(8)	CB-1803A-10(8)	CB-1358A-30(6)	CB-1794A-30(6)
CB-831A-20	CB-1803A-20	CB-1358P-10	CB-1794P-10
CB-831A-20(8)	CB-1803A-20(8)	CB-1358P-10(6)	CB-1794P-10(6)
CB-831A-30	CB-1803A-30	CB-1358P-20	CB-1794P-20
CB-831A-30(8)	CB-1803A-30(8)	CB-1358P-20(6)	CB-1794P-20(6)
CB-831P-10	CB-1803P-10	CB-1358P-30	CB-1794P-30
CB-831P-10(8)	CB-1803P-10(8)	CB-1358P-30(6)	CB-1794P-30(6)
CB-831P-20	CB-1803P-20	CB-1358P-40	CB-1794P-40
CB-831P-20(8)	CB-1803P-20(8)	CB-1358P-40(6)	CB-1794P-40(6)
CB-831P-30	CB-1803P-30	CB-1442P-.25mm	CB-1634P-.25mm
CB-831P-30(8)	CB-1803P-30(8)	CB-1442P-.25mm(8)	CB-1634P-.25mm(8)
CB-831P-40	CB-1803P-40	CB-1442P-.50mm	CB-1634P-.50mm
CB-831P-40(8)	CB-1803P-40(8)	CB-1442P-.50mm(8)	CB-1634P-.50mm(8)
CB-1228P-10	CB-1800P-10	CB-1442P-.75mm	CB-1634P-.75mm
CB-1228P-10(6)	CB-1800P-10(6)	CB-1442P-.75mm(8)	CB-1634P-.75mm(8)
CB-1228P-20	CB-1800P-20	CB-1443P-10	CB-1806P-10
CB-1228P-20(6)	CB-1800P-20(6)	CB-1443P-10(6)	CB-1806P-10(6)
CB-1228P-30	CB-1800P-30	CB-1443P-20	CB-1806P-20
CB-1228P-30(6)	CB-1800P-30(6)	CB-1443P-20(6)	CB-1806P-20(6)
CB-1228P-40	CB-1800P-40	CB-1443P-30	CB-1806P-30
CB-1228P-40(6)	CB-1800P-40(6)	CB-1443P-30(6)	CB-1806P-30(6)
CB-1238A-.25mm	CB-1797A-.25mm	CB-1635P-.25mm	CB-1788P-.25mm
CB-1238A-.25mm(6)	CB-1797A-.25mm(6)	CB-1635P-.25mm(4)	CB-1788P-.25mm(4)
CB-1238A-.50mm	CB-1797A-.50mm	CB-1635P-.50mm	CB-1788P-.50mm
CB-1238A-.50mm(6)	CB-1797A-.50mm(6)	CB-1635P-.50mm(4)	CB-1788P-.50mm(4)
CB-1238A-.75mm	CB-1797A-.75mm	CB-1647P-.25mm	CB-1791P-.25mm
CB-1238A-.75mm(6)	CB-1797A-.75mm(6)	CB-1647P-.25mm(4)	CB-1791P-.25mm(4)
CB-1238P-.25mm	CB-1797P-.25mm	CB-1647P-.50mm	CB-1791P-.50mm
CB-1238P-.25mm(6)	CB-1797P-.25mm(6)	CB-1647P-.50mm(4)	CB-1791P-.50mm(4)

OPTIONAL .002" OVERSIZE CONNECTING ROD BEARING SETS

Std Bearing Set / Std Rod Bore	.002" OD Bearing Set / .002" O/S Rod Bore	Std Bearing Set / Std Rod Bore	.002" OD Bearing Set / .002" O/S Rod Bore
CB-1647P-.75mm	CB-1791P-.75mm	CB-1813P-.25mm(4)	CB-1817P-.25mm(4)
CB-1647P-.75mm(4)	CB-1791P-.75mm(4)	CB-1813P-.50mm	CB-1817P-.50mm
CB-1667A-.25mm	CB-1790A-.25mm	CB-1813P-.50mm(4)	CB-1817P-.50mm(4)
CB-1667A-.25mm(6)	CB-1790A-.25mm(6)	CB-1814P-.25mm	CB-1815P-.25mm
CB-1667A-.50mm	CB-1790A-.50mm	CB-1814P-.25mm(8)	CB-1815P-.25mm(8)
CB-1667A-.50mm(6)	CB-1790A-.50mm(6)	CB-1814P-.50mm	CB-1815P-.50mm
CB-1667A-.75mm	CB-1790A-.75mm	CB-1814P-.50mm(8)	CB-1815P-.50mm(8)
CB-1667A-.75mm(6)	CB-1790A-.75mm(6)	CB-1814P-.75mm	CB-1815P-.75mm
CB-1667P-.25mm	CB-1790P-.25mm	CB-1814P-.75mm(8)	CB-1815P-.75mm(8)
CB-1667P-.25mm(6)	CB-1790P-.25mm(6)	CB-1818P-.25mm	CB-1819P-.25mm
CB-1667P-.50mm	CB-1790P-.50mm	CB-1818P-.25mm(6)	CB-1819P-.25mm(6)
CB-1667P-.50mm(6)	CB-1790P-.50mm(6)	CB-1818P-.50mm	CB-1819P-.50mm
CB-1667P-.75mm	CB-1790P-.75mm	CB-1818P-.50mm(6)	CB-1819P-.50mm(6)
CB-1667P-.75mm(6)	CB-1790P-.75mm(6)	CB-1827AL-10	CB-1828AL-10
CB-1668P-.25mm	CB-1789P-.25mm	CB-1827AL-10(4)	CB-1828AL-10(4)
CB-1668P-.25mm(4)	CB-1789P-.25mm(4)	CB-1827AL-20	CB-1828AL-20
CB-1668P-.50mm	CB-1789P-.50mm	CB-1827AL-20(4)	CB-1828AL-20(4)
CB-1668P-.50mm(4)	CB-1789P-.50mm(4)	CB-1827AL-30	CB-1828AL-30
CB-1670P-.25mm	CB-1787P-.25mm	CB-1827AL-30(4)	CB-1828AL-30(4)
CB-1670P-.25mm(6)	CB-1787P-.25mm(6)	CB-1838AL-.25mm	CB-1839AL-.25mm
CB-1670P-.50mm	CB-1787P-.50mm	CB-1838AL-.25mm(4)	CB-1839AL-.25mm(4)
CB-1670P-.50mm(6)	CB-1787P-.50mm(6)	CB-1838AL-.50mm	CB-1839AL-.50mm
CB-1774P-.25mm	CB-1793P-.25mm	CB-1838AL-.50mm(4)	CB-1839AL-.50mm(4)
CB-1774P-.25mm(4)	CB-1793P-.25mm(4)	CB-1840AL-.25mm	CB-1841AL-.25mm
CB-1774P-.50mm	CB-1793P-.50mm	CB-1840AL-.25mm(4)	CB-1841AL-.25mm(4)
CB-1774P-.50mm(4)	CB-1793P-.50mm(4)	CB-1840AL-.50mm	CB-1841AL-.50mm
CB-1774P-.75mm	CB-1793P-.75mm	CB-1840AL-.50mm(4)	CB-1841AL-.50mm(4)
CB-1774P-.75mm(4)	CB-1793P-.75mm(4)		
CB-1784P-.25mm	CB-1804P-.25mm		
CB-1784P-.25mm(8)	CB-1804P-.25mm(8)		
CB-1784P-.50mm	CB-1804P-.50mm		
CB-1784P-.50mm(8)	CB-1804P-.50mm(8)		
CB-1805P-.25mm	CB-1810P-.25mm		
CB-1805P-.25mm(8)	CB-1810P-.25mm(8)		
CB-1805P-.50mm	CB-1810P-.50mm		
CB-1805P-.50mm(8)	CB-1810P-.50mm(8)		
CB-1808P-.25mm	CB-1809P-.25mm		
CB-1808P-.25mm(8)	CB-1809P-.25mm(8)		
CB-1808P-.50mm	CB-1809P-.50mm		
CB-1808P-.50mm(8)	CB-1809P-.50mm(8)		
CB-1811P-10	CB-1816P-10		
CB-1811P-10(6)	CB-1816P-10(6)		
CB-1811P-20	CB-1816P-20		
CB-1811P-20(6)	CB-1816P-20(6)		
CB-1812P-10	CB-1820P-10		
CB-1812P-10(6)	CB-1820P-10(6)		
CB-1812P-20	CB-1820P-20		
CB-1812P-20(6)	CB-1820P-20(6)		
CB-1813P-.25mm	CB-1817P-.25mm		

PART NUMBER IDENTIFICATION



PREFIXES:

CB	Connecting Rod Bearing
SH	Camshaft Bearing Set
SH	Individual Camshaft Bearing
SM	Connecting Rod or Main Bearing Shim Set
TW	Thrust Washer Set
MS	Main Bearing Set
MB	Individual Main Bearing
223	Piston Pin Bushing

Core Number
(Denotes specific individual application)

Indicates
flanged
bearing

SUFFIXES:

A	Steel backed lead free aluminum silicon alloy bearings without overlay.
AL	Solid cast aluminum alloy bearings (material designation AL-1) or steel backed bearings with an aluminum alloy lining (material designation AL-3, AL4, AL-5, AL-6). Precision undersize bearings are not resizable. AL-1 semi bearings are resizable to standard size.
B	Steel backed bearings with a conventional babbit lining. Precision undersizes are not resizable. B-60 bearings are resizable to standard size (material designation B-1).
C	Steel backed bearings with a copper-lead lining. Precision undersizes are not resizable. C-60 bearings are resizable to a standard size (material designation C-1).
D	Bearing has dowel hole.
G	Steel backed bearings with a matrix of copper and an infiltrant of lead-tin babbitt. Precision undersizes are not resizable. G-60 bearings are resizable to standard size (material designation C-1).
H	High performance bearing (on main sets this indicates partial groove).
HG	High performance full annular grooved bearing.
K	High performance bearing with proprietary TriArmor™ coating applied to the bearing surface.
M	Steel backed bearings with a Micro-Babbitt lining. Precision undersizes are not resizable (material designation B-2).
N	High performance bearing narrowed for greater crankshaft fillet clearance.
P	Steel backed bearings with an intermediate layer of copper-lead alloy and an electroplated lead-tin-copper overlay. Precision undersizes are not resizable (material designation TM-1, TM-77, TM-112).
R	Indicates that the bearing can be resized to standard. When following a camshaft bearing, indicates that it has extra bore stock in the inside diameter. All other camshaft bearings are precision type (material designation B-1, C-1, AL-3).
S	Indicates a set number designation.
V	High performance bearing with a lead-indium overlay (on main sets this indicates partial groove).
VG	High performance bearing with a lead-indium overlay and a full annular groove.
X	Bearing has .001" more oil clearance than standard.
XX	Bearing has .002" more oil clearance than standard.
W	Indicates a part that is a thrust washer (may also be designated upper or lower).

Important Note: Occasionally the part number suffix does not match the material designation. In updating the quality of our bearings we may change the material of the product without changing the part number. We reserve the right to change materials, without notice, to improve product quality and/or availability.

Use of Clevite® engine parts, Clevite 77® engine bearings, Perfect Circle® piston rings and Victor Reinz® gaskets products in aircraft or other specialty equipment may be a violation of local, state or federal regulatory agency laws, rules and regulations.

These products are intended solely for automotive applications. Under absolutely NO circumstances should these products ever be used in non-automotive applications including, without limitation, aircraft engines, medical equipment, atomic energy devices or reactors.

"Federal, state and local laws restrict the removal, rendering inoperative, or in some cases, the modification or factory installed emission devices or systems. California restricts the use of parts which could increase emissions in vehicles designed for use on public streets or highways. The sale or installation on emission controlled vehicles of certain emission control components not approved by the California Air Resources Board, which alter or modify the original design or performance of such vehicle's emission control system is prohibited. Some of the parts listed and offered for sale in this catalog may fall within the above restrictions. Such parts are intended only for use on off-road vehicles competing in competitive events or on other types of vehicles which are exempt from the applicable emission control laws. Installation of these parts on vehicles subject to emission control laws may be prohibited. Dana recommends that the applicable emission control laws be reviewed before considering the installation of add-on or modified parts."

MATERIAL DESIGNATIONS

AL-1	Solid cast aluminum alloy.
AL-3	Steel backed aluminum alloy without overlay.
AL-4	Steel backed aluminum alloy with babbitt overlay.
AL-5	Steel backed lead-free aluminum silicon alloy without overlay
AL-6	Steel backed aluminum silicon alloy without overlay
B	Rolled Bronze.
B-1	Steel backed tin or lead base conventional babbitt (nominal .020" thickness).
B-2	Steel backed tin or lead base with a Micro-Babbitt lining (nominal .006" thickness).
C-1	Steel backed copper-lead matrix without overlay.
TM-1	Steel backed copper-lead matrix with overlay.
TM-77	Steel backed bearings with an intermediate layer of copper-lead alloy and an electro-plated lead-base overlay. Precision undersizes are not resizable.
TM-112	Steel backed bearings with an intermediate layer of copper-lead alloy and an electro-plated lead-base overlay. Precision undersizes are not resizable.
VP-2	Steel backed bearings with an intermediate layer of copper-lead alloy and an electroplated lead indium overlay. Not resizable.
VP-3	Steel backed bearings with an intermediate layer of copper-lead alloy and an extra thick electroplated lead indium overlay. Not resizable.

BEARING TERMINOLOGY

Bearing Outside Diameter Or Housing Bore:

The minimum to maximum diameter of the hole in the engine block or the connecting rod.

Crush:

When the bearing half is in its place in the housing bore, there is a slight bit of material that extends above the housing bore. When the assembly is torqued to proper specification, force is then exerting onto the OD of the bearing causing a press fit. Crush also aids in bore distortion, and heat transfer by increasing the surface contact with the bearing and the bore. Clevite 77 Performance bearings have added crush for heat transfer and bearing retention. The amount of crush will vary depending on application.

Eccentricity:

A gradual reduction in the bearing wall thickness starting at the crown and ending at approximately .380" from the parting lines.

Full Annular Grooved:

Bearings having an oil groove cut from parting line to parting line in the internal surface of the half shell. When two grooved halves are joined, this creates a groove in the internal surface around the total circumference of the bearing.

Maximum Bearing Length:

The maximum length that the bearing may have (including the flange when it applies). The actual length is usually less than this value.

Maximum Wall At Crown:

The maximum thickness of the bearing wall at 90° from the parting lines. The actual thickness is usually less than this value.

Standard Shaft Diameter:

The minimum to maximum size of the standard main crankshaft journal, connecting rod journal or camshaft journal.

Vertical Oil Clearance:

The difference between the assembled inside diameter of the bearing and the outside diameter of the shaft, measured at 90° from the bearing parting lines.

CRANKCASE TOLERANCES

Finish of Main Bores:

60-90 micro inches Ra.

Bore Tolerance:

.001" (.025mm) up to 10.000" (250mm) bore

Out-of-Round:

.001" (.025mm) maximum if horizontal is larger than vertical

Alignment:

.002" (.050mm) maximum overall misalignment
(.001"-.025mm for heavy duty or highly loaded engines)
.001" (.025mm) maximum misalignment on adjacent bores
(.0005"-.013mm for heavy duty or highly loaded engines)

CRANKSHAFT TOLERANCES MAIN BEARING AND CRANKPIN JOURNALS

Finish of Journals:

15 micro inches Ra or better (10 micro inches Ra or better for heavy duty or highly loaded engines)

Diameter Tolerance:

.0005" (.013mm) up to 1.500" (38mm) journal
.001" (.025mm) for 1.500" (38mm) to 10.000" (250mm) journal

Out-of-Round:

.0005" (.013mm) maximum up to 5.000" (125mm) journal
(.0002"-.005mm for heavy duty or highly loaded engines)
Never use a maximum out-of-round journal with a maximum out-of-round bore.

Taper:

.0002" (.005mm) maximum up to 1.000" (25mm) long journal (.0001"-.003mm for heavy duty or highly loaded engines)
.0004" (.010mm) maximum for 1.000" (25mm) to 2.000" (50mm) long journal (.0002"-.005mm for heavy duty or highly loaded engines)
.0005" (.013mm) maximum for 2.000" (50mm) or longer journal (.0003"-.008mm for heavy duty or highly loaded engines)

Alignment:

.001" (.025mm) maximum misalignment on adjacent journals (.0005"-.013mm for heavy duty or highly loaded engines)
.002" (.050mm) maximum overall misalignment (.001"-.025mm for heavy duty or highly loaded engines)
Crankpin and main journals should be parallel within .001" (.025mm) (.0005"-.013mm for heavy duty or highly loaded engines)

Hour-Glass or Barrel Shape Condition:

Same as taper

Oil Holes

Must be well blended into journal surface.

BEARING SPREAD

Main bearings: .005" (.13mm) to .020" (.50mm) in excess of crankcase bore diameter
Connecting rod bearings: .020" (.50mm) in excess of rod bore

CRANKSHAFT END CLEARANCE

Shaft Diameter	End Clearance
2.000"-2.750" (50mm-70mm)	.003" - .007" .075mm - .175mm
2.813"-3.500" (71mm-88mm)	.005" - .009" (.125mm - .225mm)
3.500" or over (89mm or over)	.007" - .011" (.175mm - .275mm)

CONNECTING ROD TOLERANCES

Finish of Rod Bores:

60-90 micro inches

Rod Tolerance:

.0005" (.013mm) up to 3.250" (81mm) diameter
.001" (.025mm) from 3.250" (81mm) to 10.000" (250mm) diameter

Out-of-Round:

.001" (.025mm) maximum if horizontal is larger than vertical

Taper:

.0002" (.005mm) up to 1.000" (25mm) length (.0001"-.003mm for heavy duty or highly loaded engines)
.0004" (.010mm) for 1.000" (25mm) to 2.000" (50mm) length (.0002"-.005mm for heavy duty or highly loaded engines)
.0005" (.013mm) for 2.000" (50mm) or longer (.0003"-.008mm for heavy duty or highly loaded engines)

Hour-Glass or Barrel Shape Condition:

Same as taper

Parallelism

Between rod bore and wrist pin hole .001" (.025mm) in 5.000" (125mm)

Twist

.001" (.025mm) in 6.000" (150mm)

CONNECTING ROD END CLEARANCE

Fillets at end of crankpin should not bind on ends of rod bearing, .004" (.10mm) to .010" (.25mm) clearance recommended.

OIL CLEARANCE - RESIZED BEARINGS

The oil clearance shown in this catalog are for the factory manufactured precision sizes. When installing a resized bearing, adjust the oil clearance shown as follows:

For babbitt and TM-77 copper-lead:

Add .0004" (.010mm) to both low and high limit

For TM-112 copper-lead:

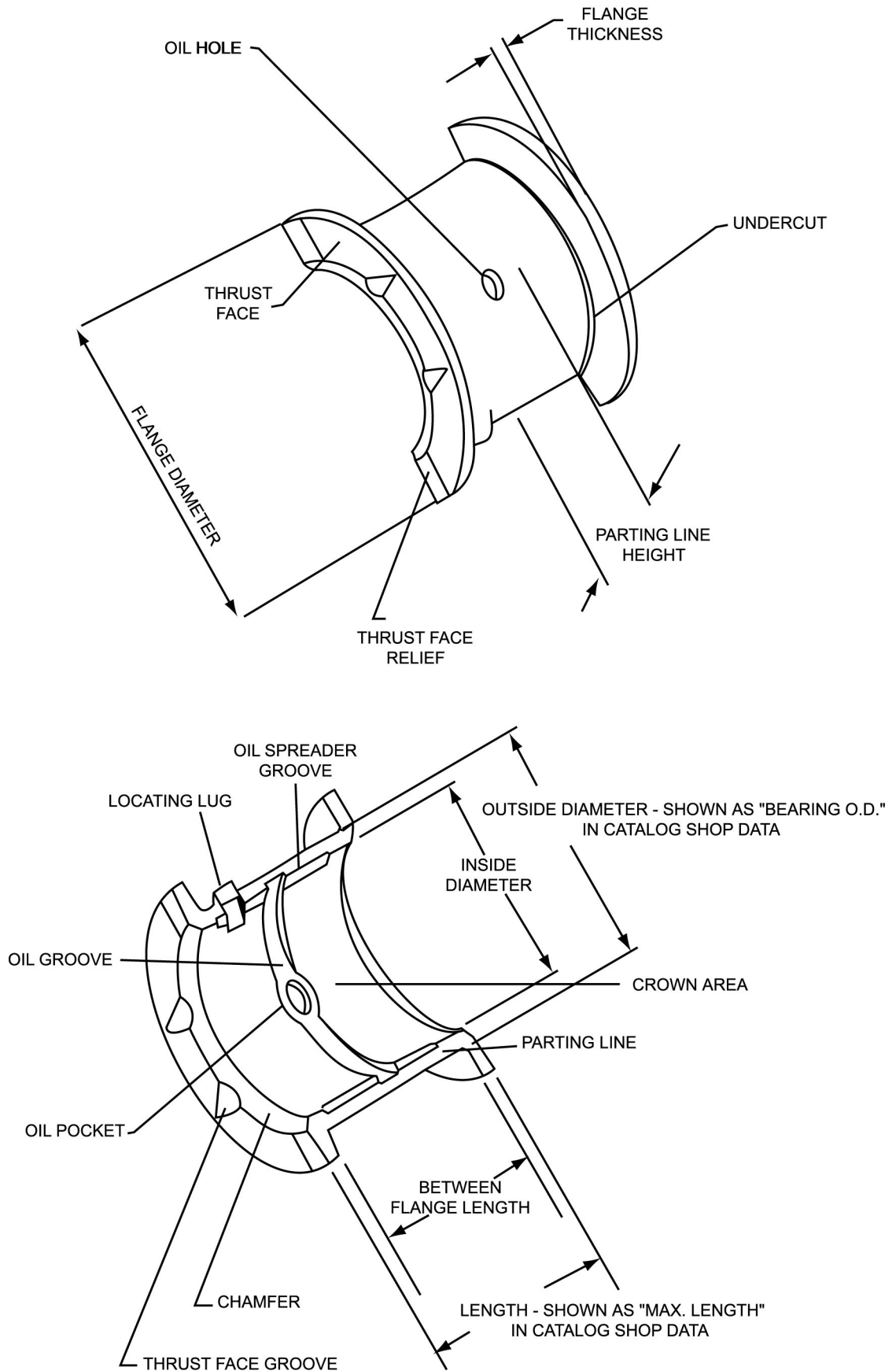
Add .0008" (.020mm) to low limit and .0004" (.010 mm) to high limit

PIN BUSHINGS

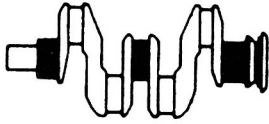
Resizing:

Light Ream: .007"/.015"
Bore: .015"/.030"

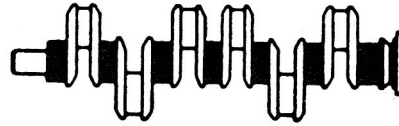
BEARING NOMENCLATURE



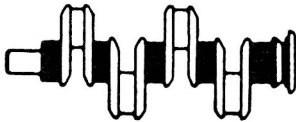
CRANKSHAFT DESIGNS



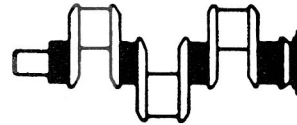
THREE MAIN BEARING - 4 CYLINDER



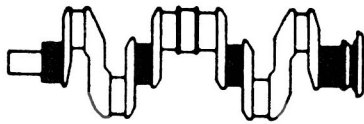
SEVEN MAIN BEARING - 6 CYLINDER



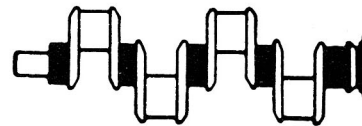
FIVE MAIN BEARING - 4 CYLINDER



FOUR MAIN BEARING - V6

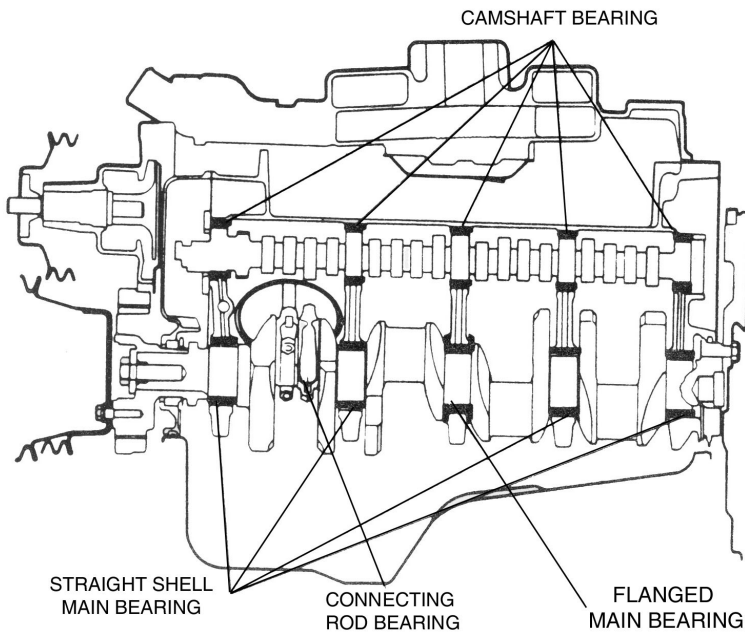


FOUR MAIN BEARING - 6 CYLINDER



FIVE MAIN BEARING - V8

BEARING LOCATIONS



CLEVITE 77® BOLT BOOTS

Clevite 77 bolt boots protect journal surfaces during engine assembly, preventing crankshaft damage. Shipped with 2 per bag and sold in cartons of 48 bagged pairs only.

Order:

2800-B1 (sold in quantities of 48 only)



CLEVITE 77® BEARING GUARD

Clevite 77 Bearing Guard is specially formulated to provide proper lubrication for all engine components during assembly and the first crucial moments of operation after engine start-up. Bearing Guard has an Extreme Pressure (EP) rating for the most severe applications.

Order:

2800-B2: 8oz bottle
(sold in quantities of 12 only)

2800-B4: 1 gallon jug
(sold individually)

2800-B5: 1-1/3 oz. package
(sold in quantities of 50 only)

2800-B15: 15 gallon drum
(sold individually)

CL-400: 4oz bottle (Cam Guard)
(sold in quantities of 12 only)



CLEVITE 77® PLASTIGAGE

PLASTIGAGE was designed as a final check of total vertical oil clearance during reassembly. It was not meant as a replacement for properly measuring crankshaft journals, housing bores or bearing dimensions before engine reassembly with accurate mics and gauges.

To properly use PLASTIGAGE during reassembly, readings should be taken on the bearing cap half shell while the weight of the crankshaft or piston and rod assembly is supported by the other half shell.

Place a small amount of oil on the crankshaft journal only where the PLASTIGAGE will be placed and wipe any excess oil off with a clean rag. This will result in a more accurate reading by preventing the PLASTIGAGE from sticking to the journal.

Place a strand of PLASTIGAGE across the length of the journal parallel to the crankshaft.

Set the cap in place and tighten bolts to the proper OEM torque specification. NOTE: if the crankshaft is moved at this point it will smear the PLASTIGAGE, resulting in inaccurate readings.

Carefully remove the cap and measure the crushed PLASTIGAGE using the graduations printed on the package. Measure the crush along the entire length of the PLASTIGAGE, noting the highs and lows for proper clearance.

After you have made your measurements, carefully remove the crushed PLASTIGAGE from the components without scratching the bearing or the journal.

CLEVITE 77 PLASTIGAGE is available in four different sizes to check total vertical oil clearance on connecting rod and main bearings. Each package has a measuring scale printed in inches and millimeters. Strips are color coded for easy size identification and are soluble in oil.

Order:

MPG1 .001"—.003" (.025 —.075mm) Green (sold in quantities of 12 strips only)

MPR1 .002"—.006" (.050 —.15mm) Red (sold in quantities of 12 strips only)

MPB1 .004"—.009" (.10 —.23mm) Blue (sold in quantities of 12 strips only)

MPY1 .009"—.020" (.23 —.50mm) Yellow (sold in quantities of 12 strips only)



MEASURING SYSTEM CONVERSIONS

Fractions (inches) converted to decimals (inches)

Fraction (inches)	Decimal (inches)	Fraction (inches)	Decimal (inches)	Fraction (inches)	Decimal (inches)	Fraction (inches)	Decimal (inches)
1/64	.016	17/64	.266	33/64	.516	49/64	.766
1/32	.031	9/32	.281	17/32	.531	25/32	.781
3/64	.047	19/64	.297	35/64	.547	51/64	.797
1/16	.063	5/16	.313	9/16	.563	13/16	.813
5/64	.078	21/64	.328	37/64	.578	53/64	.828
3/32	.094	11/32	.344	19/32	.594	27/32	.844
7/64	.109	23/64	.359	39/64	.609	55/64	.859
1/8	.125	3/8	.375	5/8	.625	7/8	.875
9/64	.141	25/64	.391	41/64	.641	57/64	.891
5/32	.156	13/32	.406	21/32	.656	29/32	.906
11/64	.172	27/64	.422	43/64	.672	59/64	.922
3/16	.188	7/16	.438	11/16	.688	15/16	.938
13/64	.203	29/64	.453	45/64	.703	61/64	.953
7/32	.219	15/32	.469	23/32	.719	31/32	.969
15/64	.234	31/64	.484	47/64	.734	63/64	.984
1/4	.250	1/2	.500	3/4	.750	1	1.000

Decimal (inches) converted to metric (millimeters)

Decimal (inches)	Metric (millimeters)	Decimal (inches)	Metric (millimeters)	Decimal (inches)	Metric (millimeters)	Decimal (inches)	Metric (millimeters)
.001	.025	.210	5.334	.510	12.954	.810	20.574
.002	.051	.220	5.588	.520	13.208	.820	20.828
.003	.076	.230	5.842	.530	13.462	.830	21.082
.004	.102	.240	6.096	.540	13.716	.840	21.336
.005	.127	.250	6.350	.550	13.970	.850	21.590
.006	.152	.260	6.604	.560	14.224	.860	21.844
.007	.178	.270	6.858	.570	14.478	.870	22.098
.008	.203	.280	7.112	.580	14.732	.880	22.352
.009	.229	.290	7.366	.590	14.986	.890	22.606
.010	.254	.300	7.620	.600	15.240	.900	22.860
.010	.254	.310	7.874	.610	15.494	.910	23.114
.020	.508	.320	8.128	.620	15.748	.920	23.368
.030	.762	.330	8.382	.630	16.002	.930	23.622
.040	1.016	.340	8.636	.640	16.256	.940	23.876
.050	1.270	.350	8.890	.650	16.510	.950	24.130
.060	1.524	.360	9.144	.660	16.764	.960	24.384
.070	1.778	.370	9.398	.670	17.018	.970	24.638
.080	2.032	.380	9.652	.680	17.272	.980	24.892
.090	2.286	.390	9.906	.690	17.526	.990	25.146
.100	2.540	.400	10.160	.700	17.780	1.000	25.400
.110	2.794	.410	10.414	.710	18.034		
.120	3.048	.420	10.668	.720	18.288		
.130	3.302	.430	10.922	.730	18.542		
.140	3.556	.440	11.176	.740	18.796		
.150	3.810	.450	11.430	.750	19.050		
.160	4.064	.460	11.684	.760	19.304		
.170	4.318	.470	11.938	.770	19.558		
.180	4.572	.480	12.192	.780	19.812		
.190	4.826	.490	12.446	.790	20.066		
.200	5.080	.500	12.700	.800	20.320		

MEASURING SYSTEM CONVERSIONS

Metric (millimeters) Converted To Decimal (inches)

Metric (millimeters)	Decimal (inches)	Metric (millimeters)	Decimal (inches)	Metric (millimeters)	Decimal (inches)	Metric (millimeters)	Decimal (inches)
1	.039	31	1.220	61	2.402	91	3.583
2	.079	32	1.260	62	2.441	92	3.622
3	.118	33	1.299	63	2.480	93	3.661
4	.157	34	1.339	64	2.520	94	3.701
5	.197	35	1.378	65	2.559	95	3.740
6	.236	36	1.417	66	2.598	96	3.780
7	.276	37	1.457	67	2.638	97	3.819
8	.315	38	1.496	68	2.677	98	3.858
9	.354	39	1.535	69	2.717	99	3.898
10	.394	40	1.575	70	2.756	100	3.937
11	.433	41	1.614	71	2.795	101	3.976
12	.472	42	1.654	72	2.835	102	4.016
13	.512	43	1.693	73	2.874	103	4.055
14	.551	44	1.732	74	2.913	104	4.094
15	.591	45	1.772	75	2.953	105	4.134
16	.630	46	1.811	76	2.992	106	4.173
17	.669	47	1.850	77	3.032	107	4.213
18	.709	48	1.890	78	3.071	108	4.252
19	.748	49	1.929	79	3.110	109	4.291
20	.787	50	1.969	80	3.150	110	4.331
21	.827	51	2.008	81	3.189		
22	.866	52	2.047	82	3.228		
23	.906	53	2.087	83	3.268		
24	.945	54	2.126	84	3.307		
25	.984	55	2.165	85	3.346		
26	1.024	56	2.205	86	3.386		
27	1.063	57	2.244	87	3.425		
28	1.102	58	2.283	88	3.465		
29	1.142	59	2.323	89	3.504		
30	1.181	60	2.362	90	3.543		

Torque (Foot-pounds) Converted To Torque (Newton-meters)

T E N S C O L U M N	UNITS COLUMN										
	Ft.-Lb.	0	1	2	3	4	5	6	7	8	9
	N-m	N-m	N-m	N-m	N-m	N-m	N-m	N-m	N-m	N-m	N-m
	-		1.3558	2.7116	4.0675	5.4233	6.7791	8.1349	9.4907	10.8465	12.2024
	10	13.5582	14.9140	16.2698	17.6256	18.9815	20.3373	21.6931	23.0489	24.4047	25.7605
	20	27.1164	28.4722	29.8280	31.1838	32.5396	33.8954	35.2513	36.6071	37.9629	39.3187
	30	40.0304	42.0304	43.3862	44.7420	46.0978	47.4536	48.8094	50.1653	51.5211	52.8769
	40	54.2327	55.5885	56.9444	58.3002	59.6560	61.0118	62.3676	63.7234	65.0793	66.4351
	50	67.7909	69.1467	70.5025	71.8584	73.2142	74.5700	75.9258	77.2815	78.6374	79.9933
	60	81.3491	82.7049	84.0607	85.4165	86.7724	88.1282	89.4840	90.8398	92.1956	93.5514
	70	94.9073	96.2631	97.6189	98.9747	100.3305	101.6863	103.0422	104.3980	105.7538	107.1096
	80	108.4654	109.8213	111.1771	112.5329	113.8887	115.2445	116.6003	117.9562	119.3120	120.6678
	90	122.0236	123.3794	124.7353	126.0911	127.4469	128.8027	130.1585	131.5143	132.8702	134.2260
	100	135.5818	136.9376	138.2934	139.6493	141.0051	142.3609	143.7167	145.0725	146.4283	147.7842

INSTALLATION AND FITTING TIPS

When measuring bearings, measurements should always be taken at 90 degrees to the parting line to determine the minimum clearance. If measuring the bearing wall thickness, use a special micrometer with a ball anvil to fit the curvature of the bearing I.D. The best way to determine bearing clearance is to measure the bearing ID with the bearings installed in the housing and the bolts torqued to the specified assembly torque. Use a dial bore gage to measure the bearing ID at 90 degrees to the parting line, then subtract shaft size from bearing ID to determine clearance. If the dial bore gage is zeroed at the actual diameter of the crankshaft journal to be installed, the dial bore gage will then read clearance directly and the subtraction calculation can be eliminated. About .001" clearance per inch of shaft diameter is a good rule of thumb for clearance. Increasing the total by about .0005" will add a little margin of safety when starting out, especially for rods. Example: .001" X 2.100 = .0021" then add .0005", so starting out set clearance at .0026" for a 2.100 shaft.

If clearance adjustments need to be made, use either an extra clearance part for more clearance, or an undersize part for less clearance. It is permissible to mix sizes if less than .001" adjustment in clearance is desired. When mixing sizes for select fitting never mix parts having more than .0005" difference in wall size, and always install the thickest wall shell in the upper position if installing a rod bearing, or the lower position if installing a main bearing. When working with a reground shaft always measure assembled bearing ID's first and have the shaft sized to produce the desired clearance since there are no extra clearance parts available for undersize shafts.

When measuring a bearing ID or wall thickness avoid

measuring at the parting line. As the "Bearing Design" diagram illustrates there is a parting line relief machined into nearly all bearing shells. This relief is to allow for any mis-match between upper and lower shells due to tolerance differences, or possibly resulting from cap shift or twist during assembly. To determine bearing wall eccentricity or assembled bearing ID ovality, measure at a point at least 3/8" away from the parting line.

When installing any bearing DO NOT ATTEMPT TO POLISH THE BEARING RUNNING SURFACE WITH ANY TYPE OF ABRASIVE PAD OR PAPER.

Bearing overlay layers are extremely soft and thin, typically .0005" on high performance parts. These thin layers can easily be damaged or removed by abrasive media. Because the overlay layer is electroplated, it may exhibit microscopic plating nodules that make it feel slightly rough. The nodules are the same material as the rest of the plated layer and will quickly be flattened by the shaft. Bearing surfaces can be lightly burnished with solvent and a paper towel if desired.

Arriving at the correct choice of high performance bearing for a given racing application is much like determining what clearance works best. We use past experience, our knowledge of the intended usage, and common sense to guide us in making an initial choice. From there on we can fine tune the selection process based on results. The information given here is intended to aid in the initial selection as well as the fine tuning process.

The following table serves as a brief overview of the features included in each of the special Clevite 77® brand high performance bearing series.

	P Series			H Series		V Series		M Series	
	Rods	Deltawall	Mains	Rods	Mains	Rods	Mains	Rods	Mains
Eccentricity	H	H	H-M	M	M	L-M	L-M	L-M-H	L-M
High Crush	X	X	X	X	X	X	X	X	X
Hard Back	X	X		X		X		X	
O.S. Chamfers		X		X	X	AS		S	X
Dowel Hole	A			A		A		X	
Thin Overlay	X	X	X	X					
No Flash Plating	A	A	A	X	X	X	X	X	X
Reduced Wall Tolerance				X	X	X	X		
Full Grooving			A		A		A		A

Legend: A = Available for some applications
H = High eccentricity (up to .0015")
L = Low eccentricity (up to .0005")
M = Medium eccentricity (up to .0010")
S = Shortened length at fillet end
X = Applies to all or nearly all parts

CUSTOM PERFORMANCE								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block 1					
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
1								1
Rod Bearing(8) NOTE: H-Series Performance,No Dowel Hole In Cap Half	TM-77	CB-1663H	STD,1,10	1.8885/1.8890	0.0010/0.0026	0.0625	2.0150/2.0155	0.7920
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half	TM-77	CB-1663HK	STD,1	1.8885/1.8890	0.0010/0.0026	0.0625	2.0150/2.0155	0.7920
Rod Bearing(8) NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half	TM-77	CB-1663HX	STD	1.8885/1.8890	0.0020/0.0036	0.0620	2.0150/2.0155	0.7920
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half	TM-77	CB-1663HXX	STD	1.8885/1.8890	0.0020/0.0036	0.0620	2.0150/2.0155	0.7920
Rod Bearing(8) NOTE: V-Series Performance,No Dowel Hole In Cap Half	VP-2	CB-1663V	STD,1	1.8885/1.8890	0.0010/0.0026	0.0625	2.0150/2.0155	0.7920
Rod Bearing(8) NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half	VP-2	CB-1663VX	STD	1.8885/1.8890	0.0020/0.0036	0.0620	2.0150/2.0155	0.7920
Rod Bearing(8) NOTE: H-Series Performance,No Dowel Hole In Cap Half	TM-77	CB-1664H	STD,1	1.8495/1.8500	0.0008/0.0021	0.0786	2.0080/2.0082	0.6550
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half	TM-77	CB-1664HK	STD,1	1.8495/1.8500	0.0008/0.0021	0.0786	2.0080/2.0082	0.6550
Rod Bearing(8) NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half	TM-77	CB-1664HX	STD	1.8495/1.8500	0.0018/0.0031	0.0781	2.0080/2.0082	0.6550
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half	TM-77	CB-1664HXX	STD	1.8495/1.8500	0.0018/0.0031	0.0781	2.0080/2.0082	0.6550
Rod Bearing(8) NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod	TM-77	CB-1665HD	STD,1	1.8885/1.8890	0.0010/0.0026	0.0625	2.0150/2.0155	0.8960
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod	TM-77	CB-1665HDK	STD,1	1.8885/1.8890	0.0010/0.0026	0.0625	2.0150/2.0155	0.8960
Rod Bearing(8) NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod	TM-77	CB-1665HDX	STD	1.8885/1.8890	0.0020/0.0036	0.0620	2.0150/2.0155	0.8960
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod	TM-77	CB-1665HXDK	STD	1.8885/1.8890	0.0020/0.0036	0.0620	2.0150/2.0155	0.8960
Rod Bearing(8) NOTE: H-Series Performance,No Dowel Hole In Cap Half	TM-77	CB-1775H	STD,1	1.7715/1.7720	0.0006/0.0030	0.0586	1.8900/1.8905	0.7090
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half	TM-77	CB-1775HK	STD,1	1.7715/1.7720	0.0006/0.0030	0.0586	1.8900/1.8905	0.7090
Rod Bearing(8) NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half	TM-77	CB-1775HX	STD	1.7715/1.7720	0.0016/0.0040	0.0581	1.8900/1.8905	0.7090
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half	TM-77	CB-1775HXX	STD	1.7715/1.7720	0.0016/0.0040	0.0581	1.8900/1.8905	0.7090
Rod Bearing(8) NOTE: H-Series Performance,No Dowel Hole In Cap Half	TM-77	CB-1798H	STD,1	1.8495/1.8500	0.0010/0.0023	0.0625	1.9760/1.9762	0.7550

CUSTOM PERFORMANCE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
1 (Cont.)								1 (Cont.)
Rod Bearing(8)	TM-77	CB-1798HK	STD,1	1.8495/1.8500	0.0010/0.0023	0.0625	1.9760/1.9762	0.7550
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1798HX	STD	1.8495/1.8500	0.0020/0.0033	0.0620	1.9760/1.9762	0.7550
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1798HXX	STD	1.8495/1.8500	0.0020/0.0033	0.0620	1.9760/1.9762	0.7550
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-1798V	STD,1	1.8495/1.8500	0.0010/0.0023	0.0625	1.9760/1.9762	0.7550
NOTE: V-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-1798VX	STD	1.8495/1.8500	0.0020/0.0033	0.0620	1.9760/1.9762	0.7550
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Main Bearing Set	VP-2	MS-2221V	STD,1					
1-2-4-5		MB-3785V		2.4995/2.5005	0.0002/0.0022	0.0959	2.6925/2.6930	0.9750
3		MB-2620V(F)		2.4995/2.5005	0.0006/0.0031	0.0958	2.6925/2.6930	1.1520
NOTE: V-Series Performance								

CHRYSLER

ENGINE DATA

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				8 CYL (Cont.)			
2.0 DOHC Neon	1995-1999	3.445in./87.5mmX3.268in./83mm	1	350 CID (5.7L) OHV	1958	4.063in./103.2mmX3.375in./85.7mm	6
2.0 SOHC Neon	1995-2004	3.445in./87.5mmX3.268in./83mm	1	360 CID (5.9L)	1971-2002	4.000in./101.6mmX3.578in./90.8mm	7
148 CID (2.4L) DOHC	1995-2004	3.445in./87.5mmX3.976in./101mm	2	361 CID (5.9L)	1958-1977	4.125in./104.8mmX3.375in./85.7mm	6
148 CID (2.4L) DOHC	2003-2004	3.445in./87.5mmX3.976in./101mm	2	383 CID (6.3L)	1959-1971	4.250in./108mmX3.375in./85.7mm	8
Turbocharged/Intercooled				392 CID (6.4L)	1957-1958	4.000in./101.6mmX3.906in./99.2mm	9
8 CYL				Hemispherical			
273 CID (4.5L)	1964-1969	3.625in./92.1mmX3.313in./84.2mm	3	400 CID (6.6L)	1972-1980	4.342in./110.3mmX3.375in./85.7mm	6
318 CID (5.2L) "A" Block	1957-1967	3.910in./99.3mmX3.313in./84.2mm	3	413 CID (6.8L)	1959-1977	4.188in./106.4mmX3.750in./95.3mm	10
318 CID (5.2L)	1967-2002	3.910in./99.3mmX3.313in./84.2mm	4	426 CID (7.0L)	1964-1971	4.250in./108mmX3.750in./95.3mm	11
LA/Magnum				Hemispherical			
340 CID (5.6L)	1968-1973	4.040in./102.6mmX3.313in./84.2mm	5	426 CID (7.0L) Wedge	1963-1965	4.250in./108mmX3.750in./95.3mm	11
				440 CID (7.2L)	1966-1980	4.320in./109.7mmX3.750in./95.3mm	12

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
699	3.313in./84.2mm	3	1737692	3.375in./85.7mm	6	2406395	3.750in./95.3mm	12	2899496	3.313in./84.2mm	5
699	3.313in./84.2mm	4	1737692	3.375in./85.7mm	8	2406782	3.375in./85.7mm	6	2951908	3.375in./85.7mm	6
782	3.313in./84.2mm	3	1851535	3.375in./85.7mm	6	2406782	3.375in./85.7mm	8	2951908	3.375in./85.7mm	8
782	3.313in./84.2mm	4	1851535	3.375in./85.7mm	8	2406782	3.313in./84.2mm	3	2951908	3.750in./95.3mm	11
1618699	3.375in./85.7mm	6	1851535	3.750in./95.3mm	11	2406782	3.313in./84.2mm	4	2951908	3.750in./95.3mm	10
1618699	3.375in./85.7mm	8	1851535	3.750in./95.3mm	10	2406886	3.750in./95.3mm	11	2951908	3.750in./95.3mm	12
1618699	3.313in./84.2mm	3	1851535	3.750in./95.3mm	12	2406886	3.750in./95.3mm	10	3418645	3.313in./84.2mm	3
1618699	3.313in./84.2mm	4	2406395	3.750in./95.3mm	11	2406886	3.750in./95.3mm	12	3418645	3.313in./84.2mm	5
1673758	3.906in./99.2mm	9	2406395	3.750in./95.3mm	10	2468000	3.750in./95.3mm	11	3418645	3.313in./84.2mm	4

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3294	3.750in./95.3mm	11	1650270	3.313in./84.2mm	4	1737642	3.375in./85.7mm	6	1826129	3.313in./84.2mm	3
3294	3.750in./95.3mm	10	1673755	3.906in./99.2mm	9	1737642	3.375in./85.7mm	8	1826129	3.313in./84.2mm	4
3294	3.750in./95.3mm	12	1732557	3.313in./84.2mm	3	1737642	3.750in./95.3mm	11	1830276	3.313in./84.2mm	3
1626123	3.313in./84.2mm	3	1732557	3.313in./84.2mm	4	1737642	3.750in./95.3mm	10	1830276	3.313in./84.2mm	4
1626123	3.313in./84.2mm	4	1732559	3.313in./84.2mm	3	1737642	3.750in./95.3mm	12	1851436	3.750in./95.3mm	11
1630270	3.313in./84.2mm	3	1732559	3.313in./84.2mm	4	1821436	3.750in./95.3mm	11	1851436	3.750in./95.3mm	10
1630270	3.313in./84.2mm	4	1732610	3.313in./84.2mm	3	1821436	3.750in./95.3mm	10	1851436	3.750in./95.3mm	12
1630276	3.313in./84.2mm	3	1732610	3.313in./84.2mm	4	1821436	3.750in./95.3mm	12	1851527	3.375in./85.7mm	6
1630276	3.313in./84.2mm	4	1737641	3.375in./85.7mm	6	1826123	3.313in./84.2mm	3	1851527	3.375in./85.7mm	8
1650270	3.313in./84.2mm	3	1737641	3.375in./85.7mm	8	1826123	3.313in./84.2mm	4	1851527	3.750in./95.3mm	11

CHRYSLER (Cont.)**CRANKSHAFT FORGING NUMBERS (Cont.)**

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1851527	3.750in./95.3mm	10	2206157	3.375in./85.7mm	8	2558393	3.313in./84.2mm	3	3698641	3.750in./95.3mm	11
1851527	3.750in./95.3mm	12	2206157	3.750in./95.3mm	11	2558393	3.313in./84.2mm	4	3698641	3.750in./95.3mm	10
1855127	3.750in./95.3mm	11	2206157	3.750in./95.3mm	10	2656278	3.313in./84.2mm	3	3698641	3.750in./95.3mm	12
1855127	3.750in./95.3mm	10	2206157	3.750in./95.3mm	12	2656278	3.313in./84.2mm	4	3751841	3.313in./84.2mm	3
1855127	3.750in./95.3mm	12	2206158	3.750in./95.3mm	11	2658268	3.313in./84.2mm	3	3751841	3.313in./84.2mm	4
1978698	3.750in./95.3mm	11	2206158	3.750in./95.3mm	10	2658268	3.313in./84.2mm	4	3751877	3.375in./85.7mm	6
1978698	3.750in./95.3mm	10	2206158	3.750in./95.3mm	12	2658278	3.313in./84.2mm	3	3751877	3.375in./85.7mm	8
1978698	3.750in./95.3mm	12	2206159	3.375in./85.7mm	6	2658278	3.313in./84.2mm	4	3751888	3.750in./95.3mm	11
2006157	3.750in./95.3mm	11	2206159	3.375in./85.7mm	8	2658393	3.313in./84.2mm	3	3751888	3.750in./95.3mm	10
2128278	3.313in./84.2mm	3	2206160	3.750in./95.3mm	11	2658393	3.313in./84.2mm	4	3751888	3.750in./95.3mm	12
2128278	3.313in./84.2mm	4	2206160	3.750in./95.3mm	10	2780513	3.750in./95.3mm	11	3751888-5	3.750in./95.3mm	11
2128869	3.313in./84.2mm	3	2206160	3.750in./95.3mm	12	2780533	3.750in./95.3mm	11	3751888-5	3.750in./95.3mm	10
2128869	3.313in./84.2mm	4	2258393	3.313in./84.2mm	3	2843868	3.313in./84.2mm	3	3751888-5	3.750in./95.3mm	12
2203155	3.375in./85.7mm	6	2258393	3.313in./84.2mm	4	2843868	3.313in./84.2mm	4	4027169	3.578in./90.8mm	7
2203155	3.375in./85.7mm	8	2264182	3.313in./84.2mm	3	3418640	3.578in./90.8mm	7	4027172	3.375in./85.7mm	6
2203157	3.375in./85.7mm	8	2264182	3.313in./84.2mm	4	3418840-2	3.578in./90.8mm	7	4027172	3.375in./85.7mm	8
2203157	3.375in./85.7mm	6	2463548	3.750in./95.3mm	11	3418995	3.578in./90.8mm	7	4027175	3.750in./95.3mm	11
2205700	3.313in./84.2mm	3	2465747	3.313in./84.2mm	3	3462387	3.313in./84.2mm	3	4027175	3.750in./95.3mm	10
2205700	3.313in./84.2mm	5	2465747	3.313in./84.2mm	4	3462387	3.313in./84.2mm	5	4027175	3.750in./95.3mm	12
2205700	3.313in./84.2mm	4	2482923	3.375in./85.7mm	6	3462387	3.313in./84.2mm	4	8698461	3.750in./95.3mm	11
2205702	3.313in./84.2mm	3	2482923	3.375in./85.7mm	8	3462923	3.375in./85.7mm	6	8698461	3.750in./95.3mm	10
2205702	3.313in./84.2mm	5	2532457	3.313in./84.2mm	3	3462923	3.375in./85.7mm	8	8698461	3.750in./95.3mm	12
2205702	3.313in./84.2mm	4	2532457	3.313in./84.2mm	5	3482387	3.313in./84.2mm	3			
2206157	3.375in./85.7mm	6	2532457	3.313in./84.2mm	4	3482387	3.313in./84.2mm	4			

COUNTER DATA**SHOP DATA**

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	2.0 DOHC Neon 4 Cyl (1995-1999)			3.445in./87.5mm x 3.268in./83mm				1
	2.0 SOHC Neon 4 Cyl (1995-2004)			3.445in./87.5mm x 3.268in./83mm				
Rod Bearing(4)	TM-77	CB-1635H	STD,.026mm,.25mm	1.8894/1.8900	0.0006/0.0028	0.0583	2.0075/2.0080	0.8060
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(4)	TM-77	CB-1635HX	STD	1.8894/1.8900	0.0016/0.0038	0.0578	2.0075/2.0080	0.8060
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-2028P	STD,.25mm,.50mm					
1-2-4-5		MB-4001P		2.0469/2.0475	0.0008/0.0024	0.0782	2.2046/2.2050	0.7860
3		MB-4000P(F)		2.0469/2.0475	0.0008/0.0024	0.0784	2.2046/2.2050	1.0340
NOTE: 1995 Models May Require Notching Bearing Caps								

Connecting Rod 20 Lbs.Ft. Plus 90 Degrees

2	148 CID (2.4L) DOHC 4 Cyl (1995-2004)			3.445in./87.5mm x 3.976in./101mm				2
	148 CID (2.4L) DOHC Turbocharged/Intercooled 4 Cyl (2003-2004)			3.445in./87.5mm x 3.976in./101mm				
Rod Bearing(4)	TM-77	CB-1813H	STD,.026mm,.25mm	1.9677/1.9687	0.0008/0.0030	0.0584	2.0863/2.0869	0.7930
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(4)	TM-77	CB-1813HX	STD	1.9677/1.9687	0.0018/0.0040	0.0579	2.0863/2.0869	0.7930
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-2201H	STD,.026mm,.25mm					
1-2-4-5		MB-3594H		2.3617/2.3627	0.0005/0.0029	0.0781	2.5194/2.5202	0.8510
3		MB-3595H(F)		2.3617/2.3627	0.0005/0.0029	0.0781	2.5194/2.5202	1.0970
NOTE: H-Series Performance								
Main Bearing Set	TM-77	MS-2201HX	STD					
1-2-4-5		MB-3594HX		2.3617/2.3627	0.0015/0.0039	0.0776	2.5194/2.5202	0.8510
3		MB-3595HX(F)		2.6317/2.6327	0.0015/0.0039	0.0776	2.5194/2.5202	1.0970
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance								

8 CYL

3	273 CID (4.5L) V8 Cyl (1964-1969)			3.625in./92.1mm x 3.313in./84.2mm				3
	318 CID (5.2L) "A" Block V8 Cyl (1957-1967)			3.910in./99.3mm x 3.313in./84.2mm				
Rod Bearing(8)	TM-77	CB-481H	STD,1,10	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.8480
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-481HK	STD,1,10	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.8480
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								

CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
3 (Cont.)	273 CID (4.5L) V8 Cyl (1964-1969)			3.625in./92.1mm x 3.313in./84.2mm				3 (Cont.)
	318 CID (5.2L) "A" Block V8 Cyl (1957-1967)			3.910in./99.3mm x 3.313in./84.2mm				
Rod Bearing(8)	TM-77	CB-481HX	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.8480
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-481HXX	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.8480
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-540H	STD,1,10					
1-2-4		MB-2035H		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	0.8770
3		MB-2036H(F)		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.1520
5		MB-2559H		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.3720
NOTE: H-Series Performance,Bearing For Position Number 5 Is Full Annular Grooved,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves								
Main Bearing Set	TM-77	MS-540HK	STD,1,10					
1-2-4		MB-2035H		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	0.8770
3		MB-2036H(F)		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.1520
5		MB-2559H		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.3720
NOTE: H-Series Performance With TriArmor™,Bearing For Position Number 5 Is Full Annular Grooved,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set	TM-77	MS-540HX	STD					
1-2-4		MB-2035HX		2.4995/2.5005	0.0014/0.0035	0.0953	2.6925/2.6930	0.8770
3		MB-2036HX(F)		2.4995/2.5005	0.0014/0.0035	0.0953	2.6925/2.6930	1.1520
5		MB-2559HX		2.4995/2.5005	0.0014/0.0035	0.0953	2.6925/2.6930	1.3270
NOTE: H-Series Performance,Bearing For Position Number 5 Is Full Annular Grooved,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves								
Main Bearing Set	TM-77	MS-540HXX	STD					
1-2-4		MB-2035HX		2.4995/2.5005	0.0014/0.0035	0.0953	2.6925/2.6930	0.8770
3		MB-2036HX(F)		2.4995/2.5005	0.0014/0.0035	0.0953	2.6925/2.6930	1.1520
5		MB-2559HX		2.4995/2.5005	0.0014/0.0035	0.0953	2.6925/2.6930	1.3270
NOTE: H-Series Performance With TriArmor™,Bearing For Position Number 5 Is Full Annular Grooved,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Cam Bearing Set	B-1	SH-875S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-326		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
3		SH-327		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
4		SH-328		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
Rod Forging	699, 782, 1618699, 2406782, 3418645							
C/S Forging	1626123, 1630270, 1630276, 1650270, 1732557, 1732559, 1732610, 1826123, 1826129, 1830276, 2128278, 2128869, 2205700, 2205702, 2258393, 2264182, 2465747, 2532457, 2558393, 2656278, 2658268, 2658278, 2658393, 2843868, 3462387, 3482387, 3751841							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
4	318 CID (5.2L) LA/Magnum V8 Cyl (1967-2002)			3.910in./99.3mm x 3.313in./84.2mm				4
Rod Bearing(8)	TM-77	CB-481H	STD,1,10	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.8480
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-481HK	STD,1,10	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.8480
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-481HX	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.8480
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-481HXX	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.8480
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								

CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
4 (Cont.)	318 CID (5.2L) LA/Magnum V8 Cyl (1967-2002)				3.910in./99.3mm x 3.313in./84.2mm			4 (Cont.)
Main Bearing Set	MS-540H	STD,1,10						
1-2-4	MB-2035H			2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	0.8770
3	MB-2036H(F)			2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.1520
5	MB-2559H			2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.3720
NOTE: 1967-1973 H-Series Performance,Bearing For Position Number 5 Is Full Annular Grooved,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves								
Main Bearing Set	MS-540HK	STD,1,10						
1-2-4	MB-2035H			2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	0.8770
3	MB-2036H(F)			2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.1520
5	MB-2559H			2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.3720
NOTE: 1967-1973 H-Series Performance With TriArmor™,Bearing For Position Number 5 Is Full Annular Grooved,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set	MS-540HX	STD						
1-2-4	MB-2035HX			2.4995/2.5005	0.0014/0.0035	0.0953	2.6925/2.6930	0.8770
3	MB-2036HX(F)			2.4995/2.5005	0.0014/0.0035	0.0953	2.6925/2.6930	1.1520
5	MB-2559HX			2.4995/2.5005	0.0014/0.0035	0.0953	2.6925/2.6930	1.3270
NOTE: 1967-1973 H-Series Performance,Bearing For Position Number 5 Is Full Annular Grooved,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves								
Main Bearing Set	MS-540HXX	STD						
1-2-4	MB-2035HX			2.4995/2.5005	0.0014/0.0035	0.0953	2.6925/2.6930	0.8770
3	MB-2036HX(F)			2.4995/2.5005	0.0014/0.0035	0.0953	2.6925/2.6930	1.1520
5	MB-2559HX			2.4995/2.5005	0.0014/0.0035	0.0953	2.6925/2.6930	1.3270
NOTE: 1967-1973 H-Series Performance With TriArmor™,Bearing For Position Number 5 Is Full Annular Grooved,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set	VP-2 MS-1344V	STD,1						
1-2-4	MB-2283V			2.4995/2.5005	0.0006/0.0031	0.0958	2.6925/2.6930	0.8370
3	MB-2620V(F)			2.4995/2.5005	0.0006/0.0031	0.0958	2.6925/2.6930	1.1520
5	MB-2559V			2.4995/2.5005	0.0006/0.0031	0.0958	2.6925/2.6930	1.2870
NOTE: 1974-2002 V-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	VP-2 MS-1344VX	STD						
1-2-4	MB-2283VX			2.4995/2.5005	0.0016/0.0041	0.0953	2.6925/2.6930	0.8370
3	MB-2620VX(F)			2.4995/2.5005	0.0016/0.0041	0.0953	2.6925/2.6930	1.1520
5	MB-2559VX			2.4995/2.5005	0.0016/0.0041	0.0953	2.6925/2.6930	1.2870
NOTE: 1974-2002 V-Series Performance,Grooved Upper Halves Plain Lower Halves, Bearing Walls .0005" Thinner For .0010" More Oil Clearance								
Cam Bearing Set	B-1 SH-875S	STD						
1	SH-875			1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2	SH-326			1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
3	SH-327			1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
4	SH-328			1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
5	SH-329			1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
NOTE: 1967-1978								
Cam Bearing Set	B-1 SH-1112S	STD						
1	SH-875			1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2	SH-1112			1.9820/1.9830	0.0015/0.0055	0.0645	2.1135/2.1145	0.6300
3	SH-1113			1.9670/1.9680	0.0015/0.0055	0.0645	2.0985/2.0995	0.6300
4	SH-1114			1.9510/1.9520	0.0015/0.0055	0.0645	2.0825/2.0835	0.6300
5	SH-329			1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
NOTE: 1979-2002								
Rod Forging C/S Forging	699, 782, 1618699, 2406782, 3418645 1626123, 1630270, 1630276, 1650270, 1732557, 1732559, 1732610, 1826123, 1826129, 1830276, 2128278, 2128869, 2205700, 2205702, 2258393, 2264182, 2465747, 2532457, 2558393, 2656278, 2658268, 2658278, 2658393, 2843868, 3462387, 3482387, 3751841							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							

CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
5	340 CID (5.6L) V8 Cyl (1968-1973)			4.040in./102.6mm x 3.313in./84.2mm				5
Rod Bearing(8)	TM-77	CB-481H	STD,1,10	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.8480
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-481HK	STD,1,10	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.8480
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-481HX	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.8480
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-481HXX	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.8480
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-540H	STD,1,10					
1-2-4		MB-2035H		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	0.8770
3		MB-2036H(F)		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.1520
5		MB-2559H		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.3720
NOTE: H-Series Performance,Bearing For Position Number 5 Is Full Annular Grooved,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves								
Main Bearing Set	TM-77	MS-540HK	STD,1,10					
1-2-4		MB-2035H		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	0.8770
3		MB-2036H(F)		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.1520
5		MB-2559H		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.3720
NOTE: H-Series Performance With TriArmor™,Bearing For Position Number 5 Is Full Annular Grooved,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set	TM-77	MS-540HX	STD					
1-2-4		MB-2035HX		2.4995/2.5005	0.0014/0.0035	0.0953	2.6925/2.6930	0.8770
3		MB-2036HX(F)		2.4995/2.5005	0.0014/0.0035	0.0953	2.6925/2.6930	1.1520
5		MB-2559HX		2.4995/2.5005	0.0014/0.0035	0.0953	2.6925/2.6930	1.3270
NOTE: H-Series Performance,Bearing For Position Number 5 Is Full Annular Grooved,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves								
Main Bearing Set	TM-77	MS-540HXX	STD					
1-2-4		MB-2035HX		2.4995/2.5005	0.0014/0.0035	0.0953	2.6925/2.6930	0.8770
3		MB-2036HX(F)		2.4995/2.5005	0.0014/0.0035	0.0953	2.6925/2.6930	1.1520
5		MB-2559HX		2.4995/2.5005	0.0014/0.0035	0.0953	2.6925/2.6930	1.3270
NOTE: H-Series Performance With TriArmor™,Bearing For Position Number 5 Is Full Annular Grooved,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set	VP-2	MS-963V	STD,1					
1-2-4		MB-2283V		2.4995/2.5005	0.0006/0.0031	0.0958	2.6925/2.6930	0.8370
3		MB-2036V(F)		2.4995/2.5005	0.0006/0.0031	0.0958	2.6925/2.6930	1.1520
5		MB-2559V		2.4995/2.5005	0.0006/0.0031	0.0958	2.6925/2.6930	1.2870
NOTE: V-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	VP-2	MS-963VX	STD					
1-2-4		MB-2283VX		2.4995/2.5005	0.0016/0.0041	0.0953	2.6925/2.6930	0.8370
3		MB-2036VX(F)		2.4995/2.5005	0.0016/0.0041	0.0953	2.6925/2.6930	1.1520
5		MB-2559VX		2.4995/2.5005	0.0006/0.0031	0.0958	2.6925/2.6930	1.2870
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Cam Bearing Set	B-1	SH-875S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-326		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
3		SH-327		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
4		SH-328		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
Rod Forging	2899496, 3418645							
C/S Forging	2205700, 2205702, 2532457, 3462387							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							

CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
6	350 CID (5.7L) OHV V8 Cyl (1958) 361 CID (5.9L) V8 Cyl (1958-1977) 400 CID (6.6L) V8 Cyl (1972-1980)			4.063in./103.2mm x 3.375in./85.7mm 4.125in./104.8mm x 3.375in./85.7mm 4.342in./110.3mm x 3.375in./85.7mm				6
Rod Bearing(8)	TM-77	CB-527HD	STD,1,10	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.9120
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-527HDXD	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5005	0.9120
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Main Bearing Set 1-2-4-5	TM-77	MS-876P	STD,10,20,30,40,C60	2.6245/2.6255	0.0011/0.0036	0.0956	2.8175/2.8180	0.9490
3		MB-2065P		2.6245/2.6255	0.0011/0.0036	0.0956	2.8175/2.8180	1.2240
NOTE: .060" Undersize Set Contains .010" Oversize Length Flanged Bearing,Contains Full Annular Grooved Bearings								
Cam Bearing Set	B-1	SH-876S	STD					
1		SH-876		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7600
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-404		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.6800
4		SH-405		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
5		SH-406		1.7480/1.7490	0.0005/0.0045	0.0645	1.8795/1.8805	0.7600
Rod Forging	1618699, 1737692, 1851535, 2406782, 2951908							
C/S Forging	1737641, 1737642, 1851527, 2203155, 2203157, 2206157, 2206159, 2482923, 3462923, 3751877, 4027172							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
7	360 CID (5.9L) V8 Cyl (1971-2002)			4.000in./101.6mm x 3.578in./90.8mm				7
Rod Bearing(8)	TM-77	CB-481H	STD,1,10	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.8480
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-481HK	STD,1,10	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.8480
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-481HX	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.8480
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-481HXX	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.8480
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Main Bearing Set 1-2-4	TM-77	MS-1051P	STD,10,20,30	2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	0.8770
3		MB-2590P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.1520
5		MB-2591P(F)		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.2590
NOTE: 1971-1973, Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-4	TM-77	MS-1266P	STD,10,20,30	2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	0.8770
3		MB-2622P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.1520
5		MB-2623P(F)		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.2590
NOTE: 1974-2002, Contains Full Grooved Bearings								
Cam Bearing Set	B-1	SH-875S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-326		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
3		SH-327		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
4		SH-328		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
NOTE: 1971-1978								
Cam Bearing Set	B-1	SH-1112S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-1112		1.9820/1.9830	0.0015/0.0055	0.0645	2.1135/2.1145	0.6300
3		SH-1113		1.9670/1.9680	0.0015/0.0055	0.0645	2.0985/2.0995	0.6300
4		SH-1114		1.9510/1.9520	0.0015/0.0055	0.0645	2.0825/2.0835	0.6300
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
NOTE: 1979-2002								

CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
7 (Cont.)	360 CID (5.9L) V8 Cyl (1971-2002)			4.000in./101.6mm x 3.578in./90.8mm				7 (Cont.)
C/S Forging 3418640, 3418995, 4027169, 3418840-2								
Connecting Rod 45 Lbs.Ft. Main Bearing 85 Lbs.Ft.								
8	383 CID (6.3L) V8 Cyl (1959-1971)			4.250in./108mm x 3.375in./85.7mm				8
Rod Bearing(8)	TM-77	CB-527HD	STD,1,10	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.9120
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-527HDX	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5005	0.9120
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Main Bearing Set 1-2-4-5	TM-77	MS-876P	STD,10,20,30,40,C60	2.6245/2.6255	0.0011/0.0036	0.0956	2.8175/2.8180	0.9490
3		MB-2065P		2.6245/2.6255	0.0011/0.0036	0.0956	2.8175/2.8180	1.2240
NOTE: 1961-1971, .060" Undersize Set Contains .010" Oversize Length Flanged Bearing,Contains Full Annular Grooved Bearings								
Main Bearing Set 1-2-4-5	TM-77	MS-896P	STD,10	2.7495/2.7505	0.0011/0.0036	0.0956	2.9425/2.9430	0.9490
3		MB-2219P		2.7495/2.7505	0.0011/0.0036	0.0956	2.9425/2.9430	1.2240
NOTE: 1959-1960, P-Series Performance,Contains Full Grooved Bearings								
Main Bearing Set 1-2-4-5	B-2	MS-972M	STD	2.7495/2.7505	0.0011/0.0032	0.0956	2.9425/2.9430	0.9490
3		MB-2543M		2.7495/2.7505	0.0011/0.0032	0.0956	2.9425/2.9430	1.2240
NOTE: 1959-1960, M-Series Performance,Contains Full Grooved Bearings								
Cam Bearing Set 1	B-1	SH-876S	STD	1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7600
2		SH-876		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-403		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.6800
4		SH-404		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
5		SH-405		1.7480/1.7490	0.0005/0.0045	0.0645	1.8795/1.8805	0.7600
Rod Forging 1618699, 1737692, 1851535, 2406782, 2951908								
C/S Forging 1737641, 1737642, 1851527, 2203155, 2203157, 2206157, 2206159, 2482923, 3462923, 3751877, 4027172								
Connecting Rod 45 Lbs.Ft. Main Bearing 85 Lbs.Ft.								
9	392 CID (6.4L) Hemispherical V8 Cyl (1957-1958)			4.000in./101.6mm x 3.906in./99.2mm				9
Rod Bearing(8)	B-2	CB-1213M	STD,10	2.3740/2.3750	0.0007/0.0028	0.0624	2.5000/2.5005	0.8570
NOTE: Crankshafts With Extra-Large Fillets, M-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Main Bearing Set 1-2-4	B-2	MS-426M	STD	2.6870/2.6880	0.0005/0.0026	0.0959	2.8800/2.8805	0.9100
3		MB-1802M		2.6870/2.6880	0.0005/0.0026	0.0959	2.8800/2.8805	1.2020
5		MB-1803M(F)		2.6870/2.6880	0.0005/0.0026	0.0959	2.8800/2.8805	1.6300
NOTE: M-Series Performance,Contains Full Grooved Bearings								
Cam Bearing Set 1	B-1	SH-313S	STD	1.9980/1.9990	0.0005/0.0045	0.0650	2.1295/2.1305	0.9440
2-3-4		SH-313		1.9980/1.9990	0.0005/0.0045	0.0650	2.1295/2.1305	0.8190
5		SH-314		1.4355/1.4365	0.0005/0.0045	0.0650	1.5670/1.5680	0.8820
Rod Forging 1673758								
C/S Forging 1673755								
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 85 To 90 Lbs.Ft.								
10	413 CID (6.8L) V8 Cyl (1959-1977)			4.188in./106.4mm x 3.750in./95.3mm				10
Rod Bearing(8)	TM-77	CB-527HD	STD,1,10	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.9120
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-527HDX	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5005	0.9120
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								

CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
10 (Cont.)	413 CID (6.8L) V8 Cyl (1959-1977)			4.188in./106.4mm x 3.750in./95.3mm				10 (Cont.)
Main Bearing Set 1-2-4-5 3	TM-77	MS-896P MB-2219P MB-2495P(F)	STD,10	2.7495/2.7505 2.7495/2.7505	0.0011/0.0036 0.0011/0.0036	0.0956 0.0956	2.9425/2.9430 2.9425/2.9430	0.9490 1.2240
NOTE: 1959-1973, P-Series Performance,Contains Full Grooved Bearings								
Main Bearing Set 1-2-4-5 3	B-2	MS-972M MB-2543M MB-2544M(F)	STD	2.7495/2.7505 2.7495/2.7505	0.0011/0.0032 0.0011/0.0032	0.0956 0.0956	2.9425/2.9430 2.9425/2.9430	0.9490 1.2240
NOTE: 1959-1973, M-Series Performance,Contains Full Grooved Bearings								
Main Bearing Set 1-2-4-5 3	TM-77	MS-1277HG MB-2067HG MB-2625HG(F)	STD,10	2.7495/2.7505 2.7495/2.7505	0.0009/0.0030 0.0004/0.0025	0.0955 0.0958	2.9425/2.9430 2.9425/2.9430	0.9490 1.2240
NOTE: 1974-1977, H-Series Performance,Contains Full Grooved Bearings								
Main Bearing Set 1-2-4-5 3	TM-77	MS-2233HG MB-3789HG MB-2457HG(F)	STD,10	2.7495/2.7505 2.7495/2.7505	0.0010/0.0031 0.0010/0.0031	0.0956 0.0956	2.9425/2.9430 2.9425/2.9430	0.8750 1.2240
NOTE: 1959-1973, H-Series Performance,Contains Full Grooved Bearings,Contains Narrowed Straight Shells For Extra Clearance, Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter								
Cam Bearing Set 1 2 3 4 5	B-1	SH-876S SH-876 SH-403 SH-404 SH-405 SH-406	STD	1.9980/1.9990 1.9820/1.9830 1.9670/1.9680 1.9510/1.9520 1.7480/1.7490	0.0025/0.0065 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045	0.0640 0.0645 0.0645 0.0645 0.0645	2.1295/2.1305 2.1135/2.1145 2.0985/2.0995 2.0825/2.0835 1.8795/1.8805	0.7600 0.7600 0.6800 0.7600 0.7600
Rod Forging C/S Forging	1851535, 2406395, 2406886, 2951908 3294, 1737642, 1821436, 1851436, 1851527, 1855127, 1978698, 2206157, 2206158, 2206160, 3698641, 3751888, 4027175, 8698461, 3751888-5							
Connecting Rod Main Bearing	45 Lbs.Ft. 85 Lbs.Ft.							
11	426 CID (7.0L) Hemispherical V8 Cyl (1964-1971)			4.250in./108mm x 3.750in./95.3mm				11
426 CID (7.0L) Wedge V8 Cyl (1963-1965)				4.250in./108mm x 3.750in./95.3mm				
Rod Bearing(8) NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod	TM-77	CB-527HD	STD,1,10	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.9120
Rod Bearing(8) NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod	TM-77	CB-527HxD	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5005	0.9120
Rod Bearing(8) NOTE: Crankshafts With Extra-Large Fillets, M-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod	B-2	CB-1512M	STD	2.3740/2.3750	0.0015/0.0036	0.0620	2.5000/2.5005	0.8460
Rod Bearing(8) NOTE: Crankshafts With Extra-Large Fillets, M-Series Performance,Contains Upper Shell Only	B-2	CB-1512M(U)	STD	2.3740/2.3750	0.0015/0.0036	0.0620	2.5000/2.5005	0.8460
Rod Bearing(8) NOTE: Crankshafts With Extra-Large Fillets, V-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod	VP-3	CB-1512V	STD,10	2.3740/2.3750	0.0015/0.0036	0.0620	2.5000/2.5005	0.8460
Rod Bearing(8) NOTE: Crankshafts With Extra-Large Fillets, V-Series Performance,Contains Upper Shell Only	VP-3	CB-1512V(U)	STD	2.3740/2.3750	0.0015/0.0036	0.0620	2.5000/2.5005	0.8460
Main Bearing Set 1-2-4-5 3	TM-77	MS-896P MB-2219P MB-2495P(F)	STD,10	2.7495/2.7505 2.7495/2.7505	0.0011/0.0036 0.0011/0.0036	0.0956 0.0956	2.9425/2.9430 2.9425/2.9430	0.9490 1.2240
NOTE: P-Series Performance,Contains Full Grooved Bearings								
Main Bearing Set 1-2-4-5 3	B-2	MS-972M MB-2543M MB-2544M(F)	STD	2.7495/2.7505 2.7495/2.7505	0.0011/0.0032 0.0011/0.0032	0.0956 0.0956	2.9425/2.9430 2.9425/2.9430	0.9490 1.2240
NOTE: M-Series Performance,Contains Full Grooved Bearings								
Main Bearing Set 1-2-4-5 3	B-2	MS-1795M MB-3248M MB-3249M(F)	STD,20	2.7495/2.7505 2.7495/2.7505	0.0005/0.0026 0.0005/0.0026	0.0959 0.0959	2.9425/2.9430 2.9425/2.9430	0.9490 1.2240
NOTE: M-Series Performance,Grooved Upper Halves Plain Lower Halves								

CHRYSLER (Cont.)

CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
11 (Cont.)	426 CID (7.0L) Hemispherical V8 Cyl (1964-1971)			4.250in./108mm x 3.750in./95.3mm				11 (Cont.)
426 CID (7.0L) Wedge V8 Cyl (1963-1965)				4.250in./108mm x 3.750in./95.3mm				
Main Bearing Set 1-2-4-5 3	VP-3	MS-1795V MB-3248V MB-3249V(F)	STD	2.7495/2.7505 2.7495/2.7505	0.0005/0.0026 0.0005/0.0026	0.0959 0.0959	2.9425/2.9430 2.9425/2.9430	0.9490 1.2240
NOTE: V-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-3-4-5	VP-3	MS-2067V MB-3564V	STD	2.9975/2.9980	0.0032/0.0049	0.0954	3.1911/3.1915	0.9490
NOTE: 3.000" Diameter Main Bearing Journals,Aluminum Block, V-Series Performance, Grooved Upper Halves Only ,Requires Thrust Washer Set, Not Included, Use With Part Number TW-120S,TW-130S								
Main Bearing Set 1-2-4-5 3	TM-77	MS-2233HG MB-3789HG MB-2457HG(F)	STD,10	2.7495/2.7505 2.7495/2.7505	0.0010/0.0031 0.0010/0.0031	0.0956 0.0956	2.9425/2.9430 2.9425/2.9430	0.8750 1.2240
NOTE: H-Series Performance,Contains Full Grooved Bearings,Contains Narrowed Straight Shells For Extra Clearance, Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter								
Thrust Washer Set		TW-120S MB-1739W(L) MB-1739W(U)	STD	3.3150/3.3250 3.3150/3.3250			3.8880/3.8980 3.8880/3.8980	0.0920 0.0920
NOTE: Aftermarket Blocks Manufactured For 3.000" Diameter Main Bearing Journal Crankshafts, Contains 4 Pieces, Position Number 3, Use With Part Number MS-2067V								
Thrust Washer Set		TW-130S MB-2292W(L) MB-2292W(U)	STD	3.0450/3.0550 3.0450/3.0550			3.5520/3.5620 3.5520/3.5620	0.1230 0.1230
NOTE: 2.750" Main Bearing Journal Blocks Line Bored To Accept 3.000" Diameter Main Bearing Journal Crankshafts, Contains 4 Pieces, Position Number 3, Use With Part Number MS-2067V								
Cam Bearing Set 1 2 3 4 5	B-1	SH-876S SH-876 SH-403 SH-404 SH-405 SH-406	STD	1.9980/1.9990 1.9820/1.9830 1.9670/1.9680 1.9510/1.9520 1.7480/1.7490	0.0025/0.0065 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045	0.0640 0.0645 0.0645 0.0645 0.0645	2.1295/2.1305 2.1135/2.1145 2.0985/2.0995 2.0825/2.0835 1.8795/1.8805	0.7600 0.7600 0.6800 0.7600 0.7600
Rod Forging C/S Forging	1851535, 2406395, 2406886, 2468000, 2951908 3294, 1737642, 1821436, 1851436, 1851527, 1855127, 1978698, 2006157, 2206157, 2206158, 2206160, 2463548, 2780513, 2780533, 3698641, 3751888, 4027175, 8698461, 3751888-5							
Connecting Rod	45 Lbs.Ft. (Wedge Head Engine)							
Connecting Rod	75 Lbs.Ft. (Hemi Head Engine)							
Main Bearing	100 Lbs.Ft. (Hemi Head Engine, Except Side Bolts)							
Main Bearing	45 Lbs.Ft. (Hemi Head Engine, Side Bolts)							
Main Bearing	85 Lbs.Ft. (Wedge Head Engine)							
12	440 CID (7.2L) V8 Cyl (1966-1980)			4.320in./109.7mm x 3.750in./95.3mm				12
Rod Bearing(8) NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod	TM-77	CB-527HD	STD,1,10	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.9120
Rod Bearing(8) NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod	TM-77	CB-527HxD	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5005	0.9120
Main Bearing Set 1-2-4-5 3	TM-77	MS-896P MB-2219P MB-2495P(F)	STD,10	2.7495/2.7505 2.7495/2.7505	0.0011/0.0036 0.0011/0.0036	0.0956 0.0956	2.9425/2.9430 2.9425/2.9430	0.9490 1.2240
NOTE: 1966-1973, P-Series Performance,Contains Full Grooved Bearings								
Main Bearing Set 1-2-4-5 3	B-2	MS-972M MB-2543M MB-2544M(F)	STD	2.7495/2.7505 2.7495/2.7505	0.0011/0.0032 0.0011/0.0032	0.0956 0.0956	2.9425/2.9430 2.9425/2.9430	0.9490 1.2240
NOTE: 1966-1973, M-Series Performance,Contains Full Grooved Bearings								
Main Bearing Set 1-2-4-5 3	TM-77	MS-1277HG MB-2067HG MB-2625HG(F)	STD,10	2.7495/2.7505 2.7495/2.7505	0.0009/0.0030 0.0004/0.0025	0.0955 0.0958	2.9425/2.9430 2.9425/2.9430	0.9490 1.2240
NOTE: 1974-1980, H-Series Performance,Contains Full Grooved Bearings								

CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
12 (Cont.)	440 CID (7.2L) V8 Cyl (1966-1980)				4.320in./109.7mm x 3.750in./95.3mm			12 (Cont.)
Main Bearing Set 1-2-4-5 3	TM-77	MS-2233HG MB-3789HG MB-2457HG(F)	STD,10	2.7495/2.7505 2.7495/2.7505	0.0010/0.0031 0.0010/0.0031	0.0956 0.0956	2.9425/2.9430 2.9425/2.9430	0.8750 1.2240
NOTE: 1966-1973, H-Series Performance, Contains Full Grooved Bearings, Contains Narrowed Straight Shells For Extra Clearance, Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter								
Cam Bearing Set 1 2 3 4 5	B-1	SH-876S SH-876 SH-403 SH-404 SH-405 SH-406	STD	1.9980/1.9990 1.9820/1.9830 1.9670/1.9680 1.9510/1.9520 1.7480/1.7490	0.0025/0.0065 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045	0.0640 0.0645 0.0645 0.0645 0.0645	2.1295/2.1305 2.1135/2.1145 2.0985/2.0995 2.0825/2.0835 1.8795/1.8805	0.7600 0.7600 0.6800 0.7600 0.7600
Rod Forging C/S Forging	1851535, 2406395, 2406886, 2951908 3294, 1737642, 1821436, 1851436, 1851527, 1855127, 1978698, 2206157, 2206158, 2206160, 3698641, 3751888, 4027175, 8698461, 3751888-5							
Connecting Rod Main Bearing	45 Lbs.Ft. 85 Lbs.Ft.							

FORD

ENGINE DATA											
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block				
4 CYL				8 CYL (Cont.)							
121 CID (2.0L) Duratec 20 DOHC	2004-2005	3.339in./84.8mmX3.461in./87.9mm	1	352 CID (5.8L)	1964-1967	4.000in./101.6mmX3.500in./88.9mm	8				
1989CC (2.0L) Zetec/DOHC/16 Valve	1995-2003	3.339in./84.8mmX3.461in./87.9mm	2	359 CID (5.9L) OHV	1974-1975	4.050in./102.9mmX3.500in./88.9mm	8				
2261CC (2.3L) Duratec 23 DOHC	2003-2005	3.440in./87.4mmX3.700in./94mm	3	360 CID (5.9L)	1968-1976	4.050in./102.9mmX3.500in./88.9mm	8				
8 CYL				361 CID (5.9L) OHV	1964-1978	4.050in./102.9mmX3.500in./88.9mm	8				
221 CID (3.6L)	1962-1963	3.500in./88.9mmX2.875in./73mm	4	370 CID (6.1L)	1979-1991	4.046in./102.8mmX3.590in./91.2mm	12				
255 CID (4.2L)	1980-1982	3.680in./93.5mmX3.000in./76.2mm	4	389 CID (6.4L) OHV	1975-1978	4.050in./102.9mmX3.781in./96mm	8				
260 CID (4.3L)	1962-1965	3.800in./96.5mmX2.870in./72.9mm	4	390 CID (6.4L)	1964-1976	4.050in./102.9mmX3.781in./96mm	8				
281 CID (4.6L) DOHC	1993-2004	3.551in./90.2mmX3.542in./90mm	5	391 CID (6.4L) OHV	1964-1978	4.050in./102.9mmX3.781in./96mm	8				
281 CID (4.6L) SOHC	1991-2004	3.551in./90.2mmX3.542in./90mm	6	400 CID (6.6L) OHV	1971-1982	4.000in./101.6mmX4.000in./101.6mm	10				
289 CID (4.7L)	1963-1968	4.000in./101.6mmX2.870in./72.9mm	4	410 CID (6.7L)	1966-1967	4.050in./102.9mmX3.984in./101.2mm	8				
302 CID (5.0L)	1968-2001	4.000in./101.6mmX3.000in./76.2mm	7	427 CID (7.0L)	1968	4.233in./107.5mmX3.781in./96mm	8				
330 CID (5.4L) OHV	1964-1978	3.875in./98.4mmX3.500in./88.9mm	8	428 CID (7.0L)	1975-1978	4.130in./104.9mmX3.984in./101.2mm	8				
330 CID (5.4L) Triton DOHC Ford Windsor	1999-2002	3.550in./90.1mmX4.165in./105.8mm	5	428 CID (7.0L) Cobra Jet	1966-1970	4.130in./104.9mmX3.984in./101.2mm	8				
330 CID (5.4L) Triton SOHC Ford Windsor	1997-2003	3.551in./90.2mmX4.161in./105.7mm	5	428 CID (7.0L) Super Cobra Jet	1969-1970	4.130in./104.9mmX3.984in./101.2mm	8				
351 CID (5.8L) 351C Ford Cleveland	1970-1974	4.000in./101.6mmX3.500in./88.9mm	9	428 CID (7.0L) Thunderbird	1966-1968	4.130in./104.9mmX3.984in./101.2mm	8				
351 CID (5.8L) 351CJ Ford Cleveland	1971-1972	4.000in./101.6mmX3.500in./88.9mm	9	429 CID (7.0L)	1968-1998	4.360in./110.7mmX3.590in./91.2mm	12				
351 CID (5.8L) 351M	1975-1982	4.000in./101.6mmX3.500in./88.9mm	10	460 CID (7.5L)	1968-1998	4.360in./110.7mmX3.850in./97.8mm	12				
351 CID (5.8L) 351W Ford Windsor	1977-1998	4.000in./101.6mmX3.500in./88.9mm	11	10 CYL							
				415 CID (6.8L) SOHC Ford Windsor	1997-2004	3.550in./90.1mmX4.161in./105.7mm	13				
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
C0AE	3.500in./88.9mm	8	C3AE-C	3.984in./101.2mm	8	C5AE-B	3.984in./101.2mm	8	C7AE-B	3.781in./96mm	8
C1AE-6205A	3.500in./88.9mm	8	C3AE-C	3.781in./96mm	8	C5AE-B	3.781in./96mm	8	C7AE-C	3.984in./101.2mm	8
C1AE-A	3.500in./88.9mm	8	C3AE-C	3.500in./88.9mm	8	C5AE-B	3.500in./88.9mm	8	C7TE-A	3.500in./88.9mm	8
C2AE-B	3.984in./101.2mm	8	C3AE-D	2.870in./72.9mm	4	C6AE-A	3.984in./101.2mm	8	C7TE-A	3.984in./101.2mm	8
C2AE-B	3.781in./96mm	8	C3AE-D	3.000in./76.2mm	7	C6AE-C	3.984in./101.2mm	8	C7TE-B	3.500in./88.9mm	8
C2AE-B	3.500in./88.9mm	8	C3AE-F	3.984in./101.2mm	8	C6AE-C	3.500in./88.9mm	8	C8DE	2.870in./72.9mm	4
C3AE-6200B	3.984in./101.2mm	8	C3AE-F	3.781in./96mm	8	C6AE-C	3.781in./96mm	8	C8VE	3.590in./91.2mm	12
C3AE-6205A	3.984in./101.2mm	8	C3AE-J	2.870in./72.9mm	4	C6AE-H	3.500in./88.9mm	8	C8VE	3.850in./97.8mm	12
C3AE-B	3.984in./101.2mm	8	C3VE-A	3.984in./101.2mm	8	C7AE-B	3.984in./101.2mm	8	C8VE	3.000in./76.2mm	7
C3AE-B	3.781in./96mm	8	C3VY-6200A	3.984in./101.2mm	8	C7AE-B	3.500in./88.9mm	8	C8VE-A	3.590in./91.2mm	12

CONNECTING ROD FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
C8VE-A	3.850in./97.8mm	12	C90E	3.500in./88.9mm	11	D1AE-A	4.000in./101.6mm	10	D60E	3.500in./88.9mm	11
C8VE-A	3.000in./76.2mm	7	COME	3.984in./101.2mm	8	D6VE	3.590in./91.2mm	12	EDC	3.500in./88.9mm	8
C20E	2.870in./72.9mm	4	D00E-A	3.590in./91.2mm	12	D6VE	3.000in./76.2mm	7	RFF1AE6205-AD3.542in./90mm		6
C30E-A	3.000in./76.2mm	7	D00E-A	3.850in./97.8mm	12	D9TE	3.590in./91.2mm	12			
C80E-A	3.000in./76.2mm	7	D00E-A	3.000in./76.2mm	7	D9TE	3.000in./76.2mm	7			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1J	3.000in./76.2mm	7	3YAB	3.850in./97.8mm	12	C30Z	2.870in./72.9mm	4	C20E-A	2.870in./72.9mm	4
1K	3.500in./88.9mm	10	4U	3.590in./91.2mm	12	C30Z-B	2.870in./72.9mm	4	C20Z	2.870in./72.9mm	4
1KA	3.500in./88.9mm	10	4U	3.000in./76.2mm	7	C4AE	3.500in./88.9mm	8	C20Z-A	2.870in./72.9mm	4
1M	2.870in./72.9mm	4	4UA	3.590in./91.2mm	12	C4AE-A	3.500in./88.9mm	8	C30E-B	2.870in./72.9mm	4
1MA	2.870in./72.9mm	4	4UA	3.000in./76.2mm	7	C4AE-B	3.781in./96mm	8	C30Z	2.870in./72.9mm	4
1U	3.984in./101.2mm	8	4UAB	3.590in./91.2mm	12	C4AE-C	3.781in./96mm	8	C80E-B	3.000in./76.2mm	7
1UA	3.984in./101.2mm	8	4UAB	3.000in./76.2mm	7	C4AE-E	3.781in./96mm	8	C90E-A	3.500in./88.9mm	11
1UB	3.984in./101.2mm	8	4UB	3.590in./91.2mm	12	C4AE-H	3.781in./96mm	8	D0TE-A	3.500in./88.9mm	8
1V	3.590in./91.2mm	12	4UB	3.000in./76.2mm	7	C4AZ-A	3.781in./96mm	8	D1TE-A	3.500in./88.9mm	8
1V	3.000in./76.2mm	7	5M	4.000in./101.6mm	10	C4AZ-J	3.781in./96mm	8	D1TE-B	3.781in./96mm	8
1VA	3.590in./91.2mm	12	5MA	4.000in./101.6mm	10	C4TE-A	3.500in./88.9mm	8	D2TE-A	3.500in./88.9mm	8
1VA	3.000in./76.2mm	7	5MAB	4.000in./101.6mm	10	C4TE-B	3.781in./96mm	8	D2TE-AA	3.500in./88.9mm	8
1VAB	3.590in./91.2mm	12	5MABC	4.000in./101.6mm	10	C4TE-D	3.500in./88.9mm	8	D2TE-EA	3.781in./96mm	8
1VAB	3.000in./76.2mm	7	7M	3.500in./88.9mm	11	C4TZ-A	3.781in./96mm	8	D3TE-AA	3.781in./96mm	8
1YAB	3.590in./91.2mm	12	7MA	3.500in./88.9mm	11	C4TZ-B	3.781in./96mm	8	D7AE-A	3.500in./88.9mm	10
1YAB	3.000in./76.2mm	7	8M	3.500in./88.9mm	10	C5AE	3.500in./88.9mm	8	D9TE-AA	3.590in./91.2mm	12
2H-A	3.000in./76.2mm	4	90-21-0	3.461in./87.9mm	2	C5AE-A	3.500in./88.9mm	8	D9TE-AA	3.000in./76.2mm	7
2J	3.000in./76.2mm	4	90TM-AA	3.461in./87.9mm	2	C5AE-C	3.781in./96mm	8	D9TE-EA	3.590in./91.2mm	12
2M	3.000in./76.2mm	7	90TM-AB	3.461in./87.9mm	2	C6AE-D	3.500in./88.9mm	8	D9TE-EA	3.000in./76.2mm	7
2MA	3.000in./76.2mm	7	91A-6303-A	3.461in./87.9mm	2	C6TE-A	3.500in./88.9mm	8	DOTE-A	3.500in./88.9mm	8
2MAB	3.000in./76.2mm	7	91A-6303-B	3.461in./87.9mm	2	C6TE-C	3.781in./96mm	8	EDD	3.500in./88.9mm	8
2MAC	3.000in./76.2mm	7	91H-6303-B	3.461in./87.9mm	2	C6TE-D	3.500in./88.9mm	8	F1AE-AD	3.542in./90mm	6
2MAD	3.000in./76.2mm	7	91K	3.461in./87.9mm	2	C6TE-E	3.781in./96mm	8	F1AE-AD-5D	3.542in./90mm	5
2MAE	3.000in./76.2mm	7	91TM-AA	3.461in./87.9mm	2	C7TE	3.781in./96mm	8	F1AE-AD-7D	3.542in./90mm	5
2N	3.000in./76.2mm	4	9166N	3.461in./87.9mm	2	C7TE-A	3.500in./88.9mm	8	F1AE-AD-8D	3.542in./90mm	5
2NA	3.000in./76.2mm	4	A	3.500in./88.9mm	8	C7TE-B	3.781in./96mm	8	F1AE-AE	3.542in./90mm	6
2NAB	3.000in./76.2mm	4	C0AE-B	3.500in./88.9mm	8	C7TE-E	3.781in./96mm	8	F1AE-AE	3.542in./90mm	5
2NABC	3.000in./76.2mm	4	C0E-A	2.870in./72.9mm	4	C7TE-EA	3.781in./96mm	8	F75E-AD	4.161in./105.7mm	5
2T	3.500in./88.9mm	8	C20E-A	2.870in./72.9mm	4	C8AE-A	3.500in./88.9mm	8	F181 KE	4.161in./105.7mm	5
2TA	3.500in./88.9mm	8	C2OZ	2.875in./73mm	4	C8AE-B	3.781in./96mm	8	GS-M	3.000in./76.2mm	7
2Y	3.850in./97.8mm	12	C2OZ	2.870in./72.9mm	4	C8SE-A	3.590in./91.2mm	12	H	3.590in./91.2mm	12
2YA	3.850in./97.8mm	12	C2OZ-B	2.870in./72.9mm	4	C8SE-A	3.000in./76.2mm	7	H	3.000in./76.2mm	7
2YAB	3.850in./97.8mm	12	C3AE	3.500in./88.9mm	8	C8VE-A	3.850in./97.8mm	12	RFF1AE6306-AD3.542in./90mm		6
2YABC	3.850in./97.8mm	12	C3AE-A	3.500in./88.9mm	8	C9AE-A	3.590in./91.2mm	12	SM	3.500in./88.9mm	10
3C	3.500in./88.9mm	11	C3AE-F	2.870in./72.9mm	4	C9AE-A	3.000in./76.2mm	7	ZYA	3.590in./91.2mm	12
3M	3.500in./88.9mm	11	C3AE-G	3.781in./96mm	8	C9AE-B	3.590in./91.2mm	12	ZYA	3.000in./76.2mm	7
3MA	3.500in./88.9mm	11	C3AF-N	2.870in./72.9mm	4	C9AE-B	3.000in./76.2mm	7			
3Y	3.850in./97.8mm	12	C30E-B	2.870in./72.9mm	4	C9ZE-A	3.000in./76.2mm	7			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	121 CID (2.0L) Duratec 20 DOHC 4 Cyl (2004-2005)			3.339in./84.8mm x 3.461in./87.9mm				1
Rod Bearing(4)	TM-77	CB-1840H	STD.,.026mm,.25mm	1.8496/1.8503	0.0010/0.0020	0.0599	1.9694/1.9702	0.6653
NOTE: H-Series Performance,No Dowel Hole In Cap Half				1.8496/1.8503	0.0020/0.0030	0.0594	1.9694/1.9702	0.6653
Rod Bearing(4)	TM-77	CB-1840HX	STD	1.8496/1.8503	0.0020/0.0030	0.0594	1.9694/1.9702	0.6653
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
2	1989CC (2.0L) Zetec/DOHC/16 Valve 4 Cyl (1995-2003)			3.339in./84.8mm x 3.461in./87.9mm				2
Rod Bearing(4)	TM-77	CB-1774H	STD.,.026mm,.25mm	1.8461/1.8468	0.0008/0.0017	0.0585	1.9642/1.9650	0.8020
NOTE: H-Series Performance,No Dowel Hole In Cap Half				1.8461/1.8468	0.0018/0.0027	0.0580	1.9642/1.9650	0.8020
Rod Bearing(4)	TM-77	CB-1774HX	STD	1.8461/1.8468	0.0018/0.0027	0.0580	1.9642/1.9650	0.8020
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								

FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
2 (Cont.)	1989CC (2.0L) Zetec/DOHC/16 Valve 4 Cyl (1995-2003)			3.339in./84.8mm x 3.461in./87.9mm				2 (Cont.)
Main Bearing Set 1-2-4-5 3	TM-77	MS-2208H MB-3753H MB-3754H(F)	STD,.026mm,.25mm	2.2827/2.2834 2.2827/2.2834	0.0003/0.0016 0.0007/0.0030	0.0842 0.0842	2.4522/2.4528 2.4522/2.4528	0.7710 0.9730
NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-4-5 3	TM-77	MS-2208HX MB-3753HX MB-3754HX(F)	STD	2.2827/2.2834 2.2827/2.2834	0.0003/0.0016 0.0007/0.0030	0.0837 0.0837	2.4522/2.4528 2.4522/2.4528	0.7710 0.9730
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
C/S Forging 91K, 9166N, 90-21-0, 90TM-AA, 90TM-AB, 91TM-AA, 91A-6303-A, 91A-6303-B, 91H-6303-B								
3	2261CC (2.3L) Duratec 23 DOHC 4 Cyl (2003-2005)			3.440in./87.4mm x 3.700in./94mm				3
Rod Bearing(4) NOTE: H-Series Performance,No Dowel Hole In Cap Half	TM-77	CB-1838H	STD,.026mm,.25mm	1.9677/1.9685	0.0010/0.0020	0.0598	2.0875/2.0883	0.6653
Rod Bearing(4) NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half	TM-77	CB-1838HX	STD	1.9677/1.9685	0.0020/0.0030	0.0593	2.0875/2.0883	0.6653
8 CYL								
4	221 CID (3.6L) V8 Cyl (1962-1963) 255 CID (4.2L) V8 Cyl (1980-1982) 260 CID (4.3L) V8 Cyl (1962-1965) 289 CID (4.7L) V8 Cyl (1963-1968)			3.500in./88.9mm x 2.875in./73mm 3.680in./93.5mm x 3.000in./76.2mm 3.800in./96.5mm x 2.870in./72.9mm 4.000in./101.6mm x 2.870in./72.9mm				4
Rod Bearing(8) NOTE: H-Series Performance,No Dowel Hole In Cap Half	TM-77	CB-634H	STD,1,10	2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.7260
Rod Bearing(8) NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod	TM-77	CB-634HD	STD,10	2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.7260
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half	TM-77	CB-634HK	STD,1,10	2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.7260
Rod Bearing(8) NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half	TM-77	CB-634HX	STD	2.1228/2.1236	0.0016/0.0038	0.0570	2.2390/2.2398	0.7260
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half	TM-77	CB-634HXX	STD	2.1228/2.1236	0.0016/0.0038	0.0570	2.2390/2.2398	0.7260
Rod Bearing(8) NOTE: V-Series Performance,No Dowel Hole In Cap Half	VP-2	CB-634V	STD,1,10	2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.7260
Rod Bearing(8) NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod	TM-77	CB-948P	STD	2.1228/2.1236	0.0023/0.0049	0.0568	2.2390/2.2398	0.7260
Rod Bearing(8) NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod	TM-77	CB-949P	STD,10	2.1228/2.1236	0.0013/0.0039	0.0573	2.2390/2.2398	0.7260
Main Bearing Set 1-2-4-5 3 NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves	TM-77	MS-590H MB-2121H MB-2122H(F)	STD,1,10	2.2482/2.2490 2.2482/2.2490	0.0006/0.0028 0.0006/0.0028	0.0957 0.0957	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
Main Bearing Set 1-2-4-5 3 NOTE: H-Series Performance With TriArmor™,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness	TM-77	MS-590HK MB-2121H MB-2122H(F)	STD,1,10	2.2482/2.2490 2.2482/2.2490	0.0006/0.0028 0.0006/0.0028	0.0957 0.0957	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
Main Bearing Set 1-2-4-5 3 NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves	TM-77	MS-590HX MB-2121HX MB-2122HX(F)	STD	2.2482/2.2490 2.2482/2.2490	0.0016/0.0038 0.0016/0.0038	0.0952 0.0952	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330

FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
4 (Cont.)	221 CID (3.6L) V8 Cyl (1962-1963)			3.500in./88.9mm x 2.875in./73mm				4 (Cont.)
	255 CID (4.2L) V8 Cyl (1980-1982)			3.680in./93.5mm x 3.000in./76.2mm				
	260 CID (4.3L) V8 Cyl (1962-1965)			3.800in./96.5mm x 2.870in./72.9mm				
	289 CID (4.7L) V8 Cyl (1963-1968)			4.000in./101.6mm x 2.870in./72.9mm				
Main Bearing Set 1-2-4-5 3	TM-77	MS-590HXX MB-2121HX MB-2122HX(F)	STD	2.2482/2.2490 2.2482/2.2490	0.0016/0.0038 0.0016/0.0038	0.0952 0.0952	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
NOTE: H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Grooved Upper Halves Plain Lower Halves, Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set 1-2-4-5 3	VP-2	MS-590V MB-2121V MB-2122V(F)	STD, 1, 10, 20	2.2482/2.2490 2.2482/2.2490	0.0004/0.0026 0.0004/0.0026	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
NOTE: V-Series Performance, Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-4-5 3	VP-2	MS-590VG MB-2121VG MB-2122VG(F)	STD, 1	2.2482/2.2490 2.2482/2.2490	0.0004/0.0026 0.0004/0.0026	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
NOTE: V-Series Performance, Contains Full Grooved Bearings								
Main Bearing Set 1-2-4-5 3	VP-2	MS-590VX MB-2121VX MB-2122VX(F)	STD	2.2482/2.2490 2.2482/2.2490	0.0014/0.0036 0.0014/0.0036	0.0955 0.0955	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
NOTE: V-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Grooved Upper Halves Plain Lower Halves								
Cam Bearing Set 1 2 3 4 5	B-1	SH-510S SH-510 SH-511 SH-512 SH-513 SH-514	STD, 10	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
Cam Bearing Set 1 2 3 4 5	AL-3	SH-1321S SH-1321 SH-1322 SH-1323 SH-1324 SH-1325	STD	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
NOTE: High Strength Material								
Rod Forging C/S Forging	C20E, C8DE, C3AE-D, C3AE-J 1M, 2J, 2N, 1MA, 2NA, 2H-A, 2NAB, C20Z, C2OZ, C30Z, C3OZ, 2NABC, C0E-A, C20E-A, C20Z-A, C20E-A, C2OZ-B, C30E-B, C3AE-F, C3AF-N, C30E-B, C3OZ-B							
Connecting Rod Main Bearing	19 To 24 Lbs.Ft. 60 To 70 Lbs.Ft.							
5	281 CID (4.6L) DOHC V8 Cyl (1993-2004)			3.551in./90.2mm x 3.542in./90mm				5
	330 CID (5.4L) Triton DOHC Windsor V8 Cyl (1999-2002)			3.550in./90.1mm x 4.165in./105.8mm				
	330 CID (5.4L) Triton SOHC Windsor V8 Cyl (1997-2003)			3.551in./90.2mm x 4.161in./105.7mm				
	330 CID (5.4L) Triton SOHC Windsor V8 Cyl Supercharged (1999-2003)			3.551in./90.2mm x 4.161in./105.8mm				
Rod Bearing(8) NOTE: H-Series Performance, No Dowel Hole In Cap Half	TM-77	CB-1442H	STD, .026mm, .25mm	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270
Rod Bearing(8) NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, No Dowel Hole In Cap Half	TM-77	CB-1442HX	STD	2.0859/2.0867	0.0021/0.0033	0.0754	2.2388/2.2396	0.8270
C/S Forging	F181 KE, F1AE-AE, F75E-AD, F1AE-AD-5D, F1AE-AD-7D, F1AE-AD-8D							
6	281 CID (4.6L) SOHC V8 Cyl (1991-2004)			3.551in./90.2mm x 3.542in./90mm				6
Rod Bearing(8) NOTE: H-Series Performance, No Dowel Hole In Cap Half	TM-77	CB-1442H	STD, .026mm, .25mm	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270
Rod Bearing(8) NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, No Dowel Hole In Cap Half	TM-77	CB-1442HX	STD	2.0859/2.0867	0.0021/0.0033	0.0754	2.2388/2.2396	0.8270

FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
6 (Cont.)	281 CID (4.6L) SOHC V8 Cyl (1991-2004)			3.551in./90.2mm x 3.542in./90mm				6 (Cont.)
Main Bearing Set 1-2-3-4 5 5	TM-77	MS-2007H MB-3139H MB-3140H(F) MB-3139W	STD,.026mm,.25mm	2.6567/2.6577 2.6567/2.6577	0.0005/0.0025 0.0005/0.0025	0.0962 0.0962	2.8504/2.8513 2.8504/2.8513	0.7580 0.8900 0.1151
NOTE: H-Series Performance,Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-3-4 5 5	TM-77	MS-2007HX MB-3139HX MB-3140HX(F) MB-3139W	STD	2.6567/2.6577 2.6567/2.6577	0.0005/0.0025 0.0005/0.0025	0.0957 0.0957	2.8504/2.8513 2.8504/2.8513	0.7580 0.8900 0.1151
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position,Grooved Upper Halves Plain Lower Halves								
Rod Forging C/S Forging	RFF1AE6205-AD F1AE-AD, F1AE-AE, RFF1AE6306-AD							
Connecting Rod Main Bearing	23 Lbs.Ft. Plus 90 Degrees 24 Lbs.Ft. Plus 90 Degrees							
7	302 CID (5.0L) V8 Cyl (1968-2001)			4.000in./101.6mm x 3.000in./76.2mm				7
Rod Bearing(8) NOTE: H-Series Performance,No Dowel Hole In Cap Half	TM-77	CB-634H	STD,1,10	2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.7260
Rod Bearing(8) NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod	TM-77	CB-634HD	STD,10	2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.7260
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half	TM-77	CB-634HK	STD,1,10	2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.7260
Rod Bearing(8) NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half	TM-77	CB-634HX	STD	2.1228/2.1236	0.0016/0.0038	0.0570	2.2390/2.2398	0.7260
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half	TM-77	CB-634HXX	STD	2.1228/2.1236	0.0016/0.0038	0.0570	2.2390/2.2398	0.7260
Rod Bearing(8) NOTE: V-Series Performance,No Dowel Hole In Cap Half	VP-2	CB-634V	STD,1,10	2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.7260
Rod Bearing(8) NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod	TM-77	CB-948P	STD	2.1228/2.1236	0.0023/0.0049	0.0568	2.2390/2.2398	0.7260
Rod Bearing(8) NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod	TM-77	CB-949P	STD,10	2.1228/2.1236	0.0013/0.0039	0.0573	2.2390/2.2398	0.7260
Main Bearing Set 1-2-4-5 3	TM-77	MS-590H MB-2121H MB-2122H(F)	STD,1,10	2.2482/2.2490 2.2482/2.2490	0.0006/0.0028 0.0006/0.0028	0.0957 0.0957	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-4-5 3	TM-77	MS-590HK MB-2121H MB-2122H(F)	STD,1,10	2.2482/2.2490 2.2482/2.2490	0.0006/0.0028 0.0006/0.0028	0.0957 0.0957	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
NOTE: H-Series Performance With TriArmor™,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set 1-2-4-5 3	TM-77	MS-590HX MB-2121HX MB-2122HX(F)	STD	2.2482/2.2490 2.2482/2.2490	0.0016/0.0038 0.0016/0.0038	0.0952 0.0952	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								

FORD (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
7 (Cont.)	302 CID (5.0L) V8 Cyl (1968-2001)			4.000in./101.6mm x 3.000in./76.2mm				7 (Cont.)	
Main Bearing Set 1-2-4-5 3	TM-77	MS-590HXK MB-2121HX MB-2122HX(F)	STD	2.2482/2.2490 2.2482/2.2490	0.0016/0.0038 0.0016/0.0038	0.0952 0.0952	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330	
NOTE: H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Grooved Upper Halves Plain Lower Halves, Maximum Wall Does Not Include Coating Thickness									
Main Bearing Set 1-2-4-5 3	VP-2	MS-590V MB-2121V MB-2122V(F)	STD, 1, 10, 20	2.2482/2.2490 2.2482/2.2490	0.0004/0.0026 0.0004/0.0026	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330	
NOTE: V-Series Performance, Grooved Upper Halves Plain Lower Halves									
Main Bearing Set 1-2-4-5 3	VP-2	MS-590VG MB-2121VG MB-2122VG(F)	STD, 1	2.2482/2.2490 2.2482/2.2490	0.0004/0.0026 0.0004/0.0026	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330	
NOTE: V-Series Performance, Contains Full Grooved Bearings									
Main Bearing Set 1-2-4-5 3	VP-2	MS-590VX MB-2121VX MB-2122VX(F)	STD	2.2482/2.2490 2.2482/2.2490	0.0014/0.0036 0.0014/0.0036	0.0955 0.0955	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330	
NOTE: V-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Grooved Upper Halves Plain Lower Halves									
Cam Bearing Set 1 2 3 4 5	B-1	SH-510S SH-510 SH-511 SH-512 SH-513 SH-514	STD, 10	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700	
Cam Bearing Set 1 2 3 4 5	AL-3	SH-1321S SH-1321 SH-1322 SH-1323 SH-1324 SH-1325	STD	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700	
NOTE: High Strength Material									
Cam Bearing Set 1-2-3-4-5	TM-1	SH-1763S SH-1763	STD	2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700	
NOTE: SVO Engines With 2.2041/2.2051" Housing Bore Size									
Rod Forging C/S Forging	C8VE, D6VE, D9TE, C30E-A, C3AE-D, C80E-A, C8VE-A, D00E-A H, 1J, 1V, 2M, 4U, 1VA, 2MA, 4UA, 4UB, ZYA, 1VAB, 1YAB, 2MAB, 2MAC, 2MAD, 2MAE, 4UAB, GS-M, C80E-B, C8SE-A, C9AE-A, C9AE-B, C9ZE-A, D9TE-AA, D9TE-EA								
Connecting Rod Main Bearing	19 To 24 Lbs.Ft. 60 To 70 Lbs.Ft.								
8	330 CID (5.4L) OHV V8 Cyl (1964-1978)				3.875in./98.4mm x 3.500in./88.9mm				8
	352 CID (5.8L) V8 Cyl (1964-1967)				4.000in./101.6mm x 3.500in./88.9mm				
	359 CID (5.9L) OHV V8 Cyl (1974-1975)				4.050in./102.9mm x 3.500in./88.9mm				
	360 CID (5.9L) V8 Cyl (1968-1976)				4.050in./102.9mm x 3.500in./88.9mm				
	361 CID (5.9L) OHV V8 Cyl (1964-1978)				4.050in./102.9mm x 3.500in./88.9mm				
	389 CID (6.4L) OHV V8 Cyl (1975-1978)				4.050in./102.9mm x 3.781in./96mm				
	390 CID (6.4L) V8 Cyl (1964-1976)				4.050in./102.9mm x 3.781in./96mm				
	391 CID (6.4L) OHV V8 Cyl (1964-1978)				4.050in./102.9mm x 3.781in./96mm				
	410 CID (6.7L) V8 Cyl (1966-1967)				4.050in./102.9mm x 3.984in./101.2mm				
	427 CID (7.0L) V8 Cyl (1968)				4.233in./107.5mm x 3.781in./96mm				
428 CID (7.0L) V8 Cyl (1975-1978)				4.130in./104.9mm x 3.984in./101.2mm					
428 CID (7.0L) Cobra Jet V8 Cyl (1966-1970)				4.130in./104.9mm x 3.984in./101.2mm					
428 CID (7.0L) Super Cobra Jet V8 Cyl (1969-1970)				4.130in./104.9mm x 3.984in./101.2mm					
428 CID (7.0L) Thunderbird V8 Cyl (1966-1968)				4.130in./104.9mm x 3.984in./101.2mm					
Rod Bearing(8)	TM-77	CB-952P	STD, 10, 20	2.4380/2.4388	0.0010/0.0041	0.0757	2.5907/2.5915	0.7340	
NOTE: P-Series Performance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod									

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
8 (Cont.)	330 CID (5.4L) OHV V8 Cyl (1964-1978)				3.875in./98.4mm x 3.500in./88.9mm			8 (Cont.)
	352 CID (5.8L) V8 Cyl (1964-1967)				4.000in./101.6mm x 3.500in./88.9mm			
	359 CID (5.9L) OHV V8 Cyl (1974-1975)				4.050in./102.9mm x 3.500in./88.9mm			
	360 CID (5.9L) V8 Cyl (1968-1976)				4.050in./102.9mm x 3.500in./88.9mm			
	361 CID (5.9L) OHV V8 Cyl (1964-1978)				4.050in./102.9mm x 3.500in./88.9mm			
	389 CID (6.4L) OHV V8 Cyl (1975-1978)				4.050in./102.9mm x 3.781in./96mm			
	390 CID (6.4L) V8 Cyl (1964-1976)				4.050in./102.9mm x 3.781in./96mm			
	391 CID (6.4L) OHV V8 Cyl (1964-1978)				4.050in./102.9mm x 3.781in./96mm			
	410 CID (6.7L) V8 Cyl (1966-1967)				4.050in./102.9mm x 3.984in./101.2mm			
	427 CID (7.0L) V8 Cyl (1968)				4.233in./107.5mm x 3.781in./96mm			
	428 CID (7.0L) V8 Cyl (1975-1978)				4.130in./104.9mm x 3.984in./101.2mm			
	428 CID (7.0L) Cobra Jet V8 Cyl (1966-1970)				4.130in./104.9mm x 3.984in./101.2mm			
	428 CID (7.0L) Super Cobra Jet V8 Cyl (1969-1970)				4.130in./104.9mm x 3.984in./101.2mm			
	428 CID (7.0L) Thunderbird V8 Cyl (1966-1968)				4.130in./104.9mm x 3.984in./101.2mm			
Main Bearing Set 1-2-4-5 3	TM-77	MS-863P MB-2441P MB-2442P(F)	STD,1,10,20,30,40,C60	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0005/0.0032	0.0961 0.0961	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
NOTE: Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Cam Bearing Set 1 2 3 4 5	B-1	SH-781S SH-781 SH-377 SH-378 SH-379 SH-380	STD,10	2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0919 0.0844 0.0769 0.0694 0.0619	2.3095/2.3105 2.2945/2.2955 2.2795/2.2805 2.2645/2.2655 2.2495/2.2505	0.6300 0.6300 0.6300 0.6300 0.5700
NOTE: Except 427 Wedge Head								
Rod Forging C/S Forging	EDC, C0AE, COME, C1AE-A, C2AE-B, C3AE-B, C3AE-C, C3AE-F, C3VE-A, C5AE-B, C6AE-A, C6AE-C, C6AE-H, C7AE-B, C7AE-C, C7TE-A, C7TE-B, C1AE-6205A, C3AE-6200B, C3AE-6205A, C3VY-6200A A, 1U, 2T, 1UA, 1UB, 2TA, EDD, C3AE, C4AE, C5AE, C7TE, C0AE-B, C3AE-A, C3AE-G, C4AE-A, C4AE-B, C4AE-C, C4AE-E, C4AE-H, C4AZ-A, C4AZ-J, C4TE-A, C4TE-B, C4TE-D, C4TZ-A, C4TZ-B, C5AE-A, C5AE-C, C6AE-D, C6TE-A, C6TE-C, C6TE-D, C6TE-E, C7TE-A, C7TE-B, C7TE-E, C8AE-A, C8AE-B, D0TE-A, D1TE-A, D1TE-B, D2TE-A, DOTE-A, C7TE-EA, D2TE-AA, D2TE-EA, D3TE-AA							
Connecting Rod Connecting Rod Main Bearing	40 To 45 Lbs.Ft. (Except 427) 53 To 58 Lbs.Ft. (427 CID (7.0L)) 95 To 105 Lbs.Ft.							
9	351 CID (5.8L) 351C Ford Cleveland V8 Cyl (1970-1974)				4.000in./101.6mm x 3.500in./88.9mm			9
	351 CID (5.8L) 351CJ Ford Cleveland V8 Cyl (1971-1972)				4.000in./101.6mm x 3.500in./88.9mm			
Rod Bearing(8) NOTE: H-Series Performance,No Dowel Hole In Cap Half	TM-77	CB-927H	STD,10	2.3103/2.3111	0.0005/0.0024	0.0624	2.4361/2.4369	0.7260
Rod Bearing(8) NOTE: V-Series Performance,No Dowel Hole In Cap Half	VP-2	CB-927V	STD,1,10	2.3103/2.3111	0.0005/0.0024	0.0624	2.4361/2.4369	0.7260
Rod Bearing(8) NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod	TM-77	CB-961P	STD	2.3103/2.3111	0.0015/0.0041	0.0620	2.4361/2.4369	0.7260
Rod Bearing(8) NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod	TM-77	CB-962P	STD,10,20	2.3103/2.3111	0.0005/0.0031	0.0625	2.4361/2.4369	0.7260
Main Bearing Set 1-2-4-5 3 NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves	TM-77	MS-1010H MB-2560H MB-2561H(F)	STD,1,10	2.7484/2.7492 2.7484/2.7492	0.0003/0.0025 0.0003/0.0025	0.0961 0.0962	2.9417/2.9425 2.9417/2.9425	0.8800 1.1180
Main Bearing Set 1-2-4-5 3 NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves	TM-77	MS-1010HX MB-2560HX MB-2561HX(F)	STD	2.7484/2.7492 2.7484/2.7492	0.0013/0.0035 0.0013/0.0035	0.0956 0.0957	2.9417/2.9425 2.9417/2.9425	0.8800 1.1180
Main Bearing Set 1-2-4-5 3 NOTE: V-Series Performance,Grooved Upper Halves Plain Lower Halves	VP-2	MS-1010V MB-2560V MB-2561V(F)	STD,1	2.7484/2.7492 2.7484/2.7492	0.0030/0.0025 0.0030/0.0025	0.0961 0.0962	2.9417/2.9425 2.9417/2.9425	0.8800 1.1180

FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
9 (Cont.)	351 CID (5.8L) 351C Ford Cleveland V8 Cyl (1970-1974)			4.000in./101.6mm x 3.500in./88.9mm				9 (Cont.)
	351 CID (5.8L) 351CJ Ford Cleveland V8 Cyl (1971-1972)			4.000in./101.6mm x 3.500in./88.9mm				
Main Bearing Set 1-2-4-5 3	VP-2	MS-1010VG MB-2560VG MB-2561VG(F)	STD,1	2.7484/2.7492 2.7484/2.7492	0.0030/0.0025 0.0030/0.0025	0.0961 0.0962	2.9417/2.9425 2.9417/2.9425	0.8800 1.1180
NOTE: V-Series Performance,Contains Full Grooved Bearings								
Cam Bearing Set 1 2 3 4 5	B-1	SH-710S SH-710 SH-511 SH-512 SH-513 SH-514	STD,10	2.1240/2.1250 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0005/0.0045 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0619 0.0608 0.0608 0.0608 0.0608	2.2495/2.2505 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
Cam Bearing Set 1-2-3-4-5	TM-1	SH-1763S SH-1763	STD	2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
NOTE: SVO Engines With 2.2041/2.2051" Housing Bore Size								
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.							
10	351 CID (5.8L) 351M V8 Cyl (1975-1982)			4.000in./101.6mm x 3.500in./88.9mm				10
	400 CID (6.6L) OHV V8 Cyl (1971-1982)			4.000in./101.6mm x 4.000in./101.6mm				
Rod Bearing(8) NOTE: H-Series Performance,No Dowel Hole In Cap Half	TM-77	CB-927H	STD,10	2.3103/2.3111	0.0005/0.0024	0.0624	2.4361/2.4369	0.7260
Rod Bearing(8) NOTE: V-Series Performance,No Dowel Hole In Cap Half	VP-2	CB-927V	STD,1,10	2.3103/2.3111	0.0005/0.0024	0.0624	2.4361/2.4369	0.7260
Rod Bearing(8) NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod	TM-77	CB-961P	STD	2.3103/2.3111	0.0015/0.0041	0.0620	2.4361/2.4369	0.7260
Rod Bearing(8) NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod	TM-77	CB-962P	STD,10,20	2.3103/2.3111	0.0005/0.0031	0.0625	2.4361/2.4369	0.7260
Main Bearing Set 1-2-4-5 3	TM-77	MS-1432H MB-2754H MB-2558H(F)	STD,1,10	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: 1977-1982, H-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-4-5 3	TM-77	MS-1432HK MB-2754H MB-2558H(F)	STD,1,10	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: 1977-1982, H-Series Performance With TriArmor™,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set 1-2-4-5 3	TM-77	MS-1432HX MB-2754HX MB-2558HX(F)	STD	2.9994/3.0002 2.9994/3.0002	0.0015/0.0039 0.0015/0.0039	0.0955 0.0955	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: 1977-1982, H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-4-5 3	TM-77	MS-1432HXX MB-2754HX MB-2558HX(F)	STD	2.9994/3.0002 2.9994/3.0002	0.0015/0.0039 0.0015/0.0039	0.0955 0.0955	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: 1977-1982, H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Cam Bearing Set 1 2 3 4 5	B-1	SH-710S SH-710 SH-511 SH-512 SH-513 SH-514	STD,10	2.1240/2.1250 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0005/0.0045 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0619 0.0608 0.0608 0.0608 0.0608	2.2495/2.2505 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
Rod Forging C/S Forging	D1AE-A 1K, 5M, 8M, SM, 1KA, 5MA, 5MAB, 5MABC, D7AE-A							
Connecting Rod Main Bearing Main Bearing	40 To 45 Lbs.Ft. 35 To 45 Lbs.Ft. (3/8" Bolts) 95 To 105 Lbs.Ft. (1/2" Bolts)							

FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
11	351 CID (5.8L) 351W Ford Windsor V8 Cyl (1977-1998)				4.000in./101.6mm x 3.500in./88.9mm			11
Rod Bearing(8)	TM-77	CB-831HN	STD,1,10	2.3103/2.3111	0.0002/0.0024	0.0576	2.4265/2.4273	0.6760
NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-831HNK	STD,1,10	2.3103/2.3111	0.0002/0.0024	0.0576	2.4265/2.4273	0.6760
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-831HXN	STD	2.3103/2.3111	0.0012/0.0034	0.0571	2.4265/2.4273	0.6760
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-831HXNK	STD	2.3103/2.3111	0.0012/0.0034	0.0571	2.4265/2.4273	0.6760
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Main Bearing Set 1-2-4-5	TM-77	MS-1432H	STD,1,10	2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2754H		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
		MB-2558H(F)						
NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-4-5	TM-77	MS-1432HK	STD,1,10	2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2754H		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
		MB-2558H(F)						
NOTE: H-Series Performance With TriArmor™,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set 1-2-4-5	TM-77	MS-1432HX	STD	2.9994/3.0002	0.0015/0.0039	0.0955	3.1922/3.1930	0.8400
3		MB-2754HX		2.9994/3.0002	0.0015/0.0039	0.0955	3.1922/3.1930	1.1330
		MB-2558HX(F)						
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-4-5	TM-77	MS-1432HXX	STD	2.9994/3.0002	0.0015/0.0039	0.0955	3.1922/3.1930	0.8400
3		MB-2754HX		2.9994/3.0002	0.0015/0.0039	0.0955	3.1922/3.1930	1.1330
		MB-2558HX(F)						
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Cam Bearing Set 1	B-1	SH-510S	STD,10	2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-510		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-511		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-512		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-513		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
		SH-514						
Cam Bearing Set 1	AL-3	SH-1321S	STD	2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-1321		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-1322		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-1323		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-1324		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
		SH-1325						
NOTE: High Strength Material								
Rod Forging	C90E, D60E							
C/S Forging	3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
12	370 CID (6.1L) V8 Cyl (1979-1991)				4.046in./102.8mm x 3.590in./91.2mm			12
	429 CID (7.0L) V8 Cyl (1968-1998)				4.360in./110.7mm x 3.590in./91.2mm			
	460 CID (7.5L) V8 Cyl (1968-1998)				4.360in./110.7mm x 3.850in./97.8mm			
Rod Bearing(8)	TM-77	CB-818H	STD,10	2.4992/2.5000	0.0006/0.0028	0.0758	2.6522/2.6530	0.8660
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Main Bearing Set 1-2-4-5	B-2	MS-1039MX	STD	2.9994/3.0002	0.0016/0.0038	0.0954	3.1922/3.1930	0.9500
3		MB-2564MX		2.9994/3.0002	0.0016/0.0038	0.0954	3.1922/3.1930	1.1200
		MB-2565MX(F)						
NOTE: M-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains Full Grooved Bearings								

FORD (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
12 (Cont.)	370 CID (6.1L) V8 Cyl (1979-1991)				4.046in./102.8mm x 3.590in./91.2mm				12 (Cont.)
	429 CID (7.0L) V8 Cyl (1968-1998)				4.360in./110.7mm x 3.590in./91.2mm				
	460 CID (7.5L) V8 Cyl (1968-1998)				4.360in./110.7mm x 3.850in./97.8mm				
Main Bearing Set 1-2-4-5 3	VP-2	MS-1039V MB-2564V MB-2565V(F)	STD,10	2.9994/3.0002 2.9994/3.0002	0.0004/0.0028 0.0004/0.0028	0.0958 0.0958	3.1922/3.1930 3.1922/3.1930	0.9500 1.1200	
NOTE: V-Series Performance,Grooved Upper Halves Plain Lower Halves									
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1111S SH-1111	STD,10	2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.6000	
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1766S SH-1766	STD	2.1238/2.1248	0.0011/0.0050	0.0694	2.2645/2.2655	0.6300	
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.2645"/2.2655"									
Rod Forging C/S Forging	C8VE, D6VE, D9TE, C8VE-A, D00E-A H, 1V, 2Y, 3Y, 4U, 1VA, 2YA, 4UA, 4UB, ZYA, 1VAB, 1YAB, 2YAB, 3YAB, 4UAB, 2YABC, C8SE-A, C8VE-A, C9AE-A, C9AE-B, D9TE-AA, D9TE-EA								
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.								
10 CYL									
13	415 CID (6.8L) SOHC Ford Windsor V10 Cyl (1997-2004)				3.550in./90.1mm x 4.161in./105.7mm				13
Rod Bearing(10)	TM-77	CB-1442H	STD,.026mm,.25mm	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270	
NOTE: H-Series Performance,No Dowel Hole In Cap Half									
Rod Bearing(10)	TM-77	CB-1442HX	STD	2.0859/2.0867	0.0021/0.0033	0.0754	2.2388/2.2396	0.8270	
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half									
Connecting Rod	30 To 33 Lbs.Ft. Plus 90 To 120 Degrees (Requires New Connecting Rod Bolts)								
GENERAL MOTORS CORP.									
ENGINE DATA									
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block		
4 CYL				8 CYL (Cont.)					
2.0 Super Duty Pontiac			1	305 CID (5.0L) Chevrolet	1976-1998	3.736in./95mmX3.484in./88.5mm	5		
134 CID (2.2L) Ecotec	2000-2005	3.386in./86mmX3.724in./94.6mm	2	307 CID (5.0L) Chevrolet	1968-1973	3.875in./98.4mmX3.250in./82.6mm	5		
DOHC 16 Valve General Motors				325 CID (5.3L) Vortec	1999-2004	3.780in./96mmX3.622in./92mm	8		
2.5 Super Duty Pontiac			1	5300 Chevrolet					
2.7 Super Duty Pontiac			1	326 CID (5.3L) Pontiac	1963-1967	3.719in./94.5mmX3.750in./95.3mm	9		
3.0 Super Duty Pontiac			1	327 CID (5.4L) Large Journal Chevrolet	1968-1969	4.000in./101.6mmX3.250in./82.6mm	5		
3.3 Super Duty Pontiac			1	327 CID (5.4L) Small Journal Chevrolet	1962-1967	4.000in./101.6mmX3.250in./82.6mm	7		
6 CYL				346 CID (5.7L) Generation III Chevrolet	1997-2004	3.898in./99mmX3.622in./92mm	8		
181 CID (3.0L) Buick	1982-1988	3.800in./96.5mmX2.660in./67.6mm	3	348 CID (5.7L) Chevrolet	1958-1961	4.125in./104.8mmX3.250in./82.6mm	10		
196 CID (3.2L) Buick	1978-1979	3.500in./88.9mmX3.400in./86.4mm	3	350 CID (5.7L) Pontiac	1968-1977	3.875in./98.4mmX3.750in./95.3mm	9		
200 CID (3.3L) Chevrolet	1978-1979	3.500in./88.9mmX3.484in./88.5mm	4	350 CID (5.7L) Generation I Chevrolet	1967-1998	4.000in./101.6mmX3.484in./88.5mm	5		
229 CID (3.8L) 90 Degree Chevrolet	1980-1984	3.736in./95mmX3.484in./88.5mm	4	350 CID (5.7L) Generation II Chevrolet	1992-1997	4.000in./101.6mmX3.484in./88.5mm	5		
231 CID (3.8L) Buick	1978-1988	3.800in./96.5mmX3.400in./86.4mm	3	365 CID (6.0L) Vortec	1999-2004	4.000in./101.6mmX3.622in./92mm	8		
231 CID (3.8L) Turbo Buick Turbocharged	1978-1989	3.800in./96.5mmX3.400in./86.4mm	3	6000 Chevrolet					
252 CID (4.1L) Buick	1980-1984	3.965in./100.7mmX3.400in./86.4mm	3	366 CID (6.0L) Chevrolet	1966-1998	3.938in./100mmX3.766in./95.7mm	11		
8 CYL				389 CID (6.4L) Pontiac	1959-1966	4.063in./103.2mmX3.750in./95.3mm	9		
262 CID (4.3L) Chevrolet	1975-1976	3.670in./93.2mmX3.100in./78.7mm	5	396 CID (6.6L) Chevrolet	1965-1970	4.094in./104mmX3.766in./95.7mm	11		
265 CID (4.3L) Chevrolet	1955-1957	3.750in./95.3mmX3.000in./76.2mm	6	400 CID (6.6L) Chevrolet	1970-1980	4.125in./104.8mmX3.750in./95.3mm	12		
267 CID (4.4L) Chevrolet	1979-1982	3.500in./88.9mmX3.484in./88.5mm	5	400 CID (6.6L) Pontiac	1967-1979	4.120in./104.6mmX3.750in./95.3mm	9		
283 CID (4.6L) Chevrolet	1957-1967	3.875in./98.4mmX3.000in./76.2mm	7	402 CID (6.6L) Chevrolet	1970-1972	4.125in./104.8mmX3.766in./95.7mm	11		
294 CID (4.8L) Vortec	1999-2004	3.780in./96mmX3.268in./83mm	8	409 CID (6.7L) Chevrolet	1961-1965	4.313in./109.6mmX3.500in./88.9mm	10		
4800 Chevrolet				427 CID (7.0L) Chevrolet	1966-1998	4.250in./108mmX3.766in./95.7mm	11		
302 CID (5.0L) Large Journal Chevrolet	1968-1969	4.000in./101.6mmX3.347in./85mm	5	454 CID (7.4L) Chevrolet	1970-2000	4.250in./108mmX4.000in./101.6mm	11		
302 CID (5.0L) Small Journal Chevrolet	1967	4.000in./101.6mmX3.347in./85mm	7	502 CID (8.2L) Chevrolet		4.470in./113.5mmX4.000in./101.6mm	11		

GENERAL MOTORS CORP. (Cont.)**CONNECTING ROD FORGING NUMBERS**

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
201	3.400in./86.4mm	3	1377248	3.400in./86.4mm	3	3732717	3.250in./82.6mm	10	3815281	3.250in./82.6mm	5
220	3.400in./86.4mm	3	3185281	3.250in./82.6mm	7	3732717	3.500in./88.9mm	10	3837686	3.250in./82.6mm	10
408	2.660in./67.6mm	3	3185281	3.250in./82.6mm	5	3784000	3.000in./76.2mm	6	3837686	3.500in./88.9mm	10
461	2.660in./67.6mm	3	3703526	3.000in./76.2mm	6	3784000	3.000in./76.2mm	7	3856239	3.766in./95.7mm	11
673	3.400in./86.4mm	3	3703526	3.000in./76.2mm	7	3784000	3.250in./82.6mm	7	3856239	4.000in./101.6mm	11
763	3.400in./86.4mm	3	3703526	3.250in./82.6mm	7	3784000	3.347in./85mm	7	3856240	3.766in./95.7mm	11
779	3.400in./86.4mm	3	3703526	3.347in./85mm	7	3784000	3.347in./85mm	5	3856240	4.000in./101.6mm	11
529007	3.750in./95.3mm	9	3703526	3.347in./85mm	5	3784000	3.250in./82.6mm	5	3892671	3.484in./88.5mm	5
529238	3.750in./95.3mm	9	3703526	3.250in./82.6mm	5	3795624	3.250in./82.6mm	10	3916396	3.484in./88.5mm	5
529938	3.750in./95.3mm	9	3703527	3.000in./76.2mm	6	3795624	3.500in./88.9mm	10	3923282	3.484in./88.5mm	5
532294	3.750in./95.3mm	9	3703527	3.000in./76.2mm	7	3815281	3.000in./76.2mm	6	3933174	3.766in./95.7mm	11
541000	3.750in./95.3mm	9	3703527	3.250in./82.6mm	7	3815281	3.000in./76.2mm	7	3933174	4.000in./101.6mm	11
544956	3.750in./95.3mm	9	3703527	3.347in./85mm	7	3815281	3.250in./82.6mm	7	3946841	3.484in./88.5mm	5
1357201	3.400in./86.4mm	3	3703527	3.347in./85mm	5	3815281	3.347in./85mm	7	3951629	3.750in./95.3mm	12
1357333	3.400in./86.4mm	3	3703527	3.250in./82.6mm	5	3815281	3.347in./85mm	5	25509405	3.400in./86.4mm	3

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
0-191561	3.500in./88.9mm	10	230378	3.400in./86.4mm	3	3735236	3.347in./85mm	7	3876764	3.347in./85mm	5
143	3.484in./88.5mm	4	306275	3.484in./88.5mm	5	3735236	3.347in./85mm	5	3876768	3.000in./76.2mm	6
147	3.484in./88.5mm	4	306276	3.484in./88.5mm	5	3741640	3.250in./82.6mm	10	3876768	3.000in./76.2mm	7
275	2.660in./67.6mm	3	310514	3.484in./88.5mm	5	3741642	3.250in./82.6mm	10	3876768	3.347in./85mm	7
404	2.660in./67.6mm	3	353039	4.000in./101.6mm	11	3782680	3.250in./82.6mm	7	3876768	3.347in./85mm	5
726N	3.484in./88.5mm	4	354431	3.100in./78.7mm	5	3782680	3.250in./82.6mm	5	3882841	3.750in./95.3mm	12
732	2.660in./67.6mm	3	359730	4.000in./101.6mm	11	3782690	3.250in./82.6mm	7	3882842	3.766in./95.7mm	11
0819	3.500in./88.9mm	10	378354	3.400in./86.4mm	3	3782690	3.250in./82.6mm	5	3882847	3.766in./95.7mm	11
1130	3.250in./82.6mm	7	391101A	3.250in./82.6mm	7	3788072	3.500in./88.9mm	10	3882848	3.766in./95.7mm	11
1130	3.250in./82.6mm	5	391101A	3.250in./82.6mm	5	3795589	3.500in./88.9mm	10	3882849	3.766in./95.7mm	11
1178	3.000in./76.2mm	6	481379	3.750in./95.3mm	9	3804816	3.766in./95.7mm	11	3887114	3.766in./95.7mm	11
1178	3.000in./76.2mm	7	481380	3.750in./95.3mm	9	3815822	3.250in./82.6mm	7	3904815	3.766in./95.7mm	11
1178	3.250in./82.6mm	7	493654	3.750in./95.3mm	9	3815822	3.250in./82.6mm	5	3904816	3.766in./95.7mm	11
1178	3.347in./85mm	7	496452	3.750in./95.3mm	9	3824544	3.250in./82.6mm	10	3911000	3.250in./82.6mm	7
1178	3.347in./85mm	5	531369	3.750in./95.3mm	9	3824553	3.250in./82.6mm	10	3911000	3.250in./82.6mm	5
1178	3.250in./82.6mm	5	541585	3.750in./95.3mm	9	3824554	3.500in./88.9mm	10	3911001	3.250in./82.6mm	7
1182	3.250in./82.6mm	7	544191	3.750in./95.3mm	9	3829027	3.500in./88.9mm	10	3911001	3.250in./82.6mm	5
1182	3.250in./82.6mm	5	1254083	3.400in./86.4mm	3	3832442	3.484in./88.5mm	5	3911011	3.250in./82.6mm	7
1182	3.484in./88.5mm	5	1255645	3.400in./86.4mm	3	3835236TG	3.000in./76.2mm	6	3911011	3.250in./82.6mm	5
1354N	3.484in./88.5mm	4	1255646	3.400in./86.4mm	3	3835236TG	3.000in./76.2mm	7	3912335	3.484in./88.5mm	5
2680	3.250in./82.6mm	7	1255674	3.400in./86.4mm	3	3835236TG	3.347in./85mm	7	3914681	3.250in./82.6mm	7
2680	3.250in./82.6mm	5	1255846	3.400in./86.4mm	3	3835236TG	3.347in./85mm	5	3914681	3.250in./82.6mm	5
2690	3.484in./88.5mm	5	1255862	3.400in./86.4mm	3	3836144	3.766in./95.7mm	11	3914682	3.250in./82.6mm	7
3279	3.000in./76.2mm	6	1257125	3.400in./86.4mm	3	3836236	3.000in./76.2mm	6	3914682	3.250in./82.6mm	5
3279	3.000in./76.2mm	7	1260877	3.400in./86.4mm	3	3836236	3.000in./76.2mm	7	3923278	3.347in./85mm	7
3279	3.250in./82.6mm	7	1261438	3.400in./86.4mm	3	3836236	3.347in./85mm	7	3923278	3.347in./85mm	5
3279	3.347in./85mm	7	1261787	3.400in./86.4mm	3	3836236	3.347in./85mm	5	3930809	3.250in./82.6mm	7
3279	3.347in./85mm	5	1357898	3.400in./86.4mm	3	3836266	3.000in./76.2mm	6	3930809	3.250in./82.6mm	5
3279	3.250in./82.6mm	5	1378351	3.400in./86.4mm	3	3836266	3.000in./76.2mm	7	3932444	3.484in./88.5mm	5
3521	4.000in./101.6mm	11	1378354	3.400in./86.4mm	3	3836266	3.347in./85mm	7	3941172	3.250in./82.6mm	7
4577	3.250in./82.6mm	7	3727449	3.000in./76.2mm	6	3836266	3.347in./85mm	5	3941172	3.250in./82.6mm	5
4577	3.250in./82.6mm	5	3727449	3.000in./76.2mm	7	3837266	3.000in./76.2mm	6	3941174	3.250in./82.6mm	7
4672	3.250in./82.6mm	7	3727499	3.000in./76.2mm	6	3837266	3.000in./76.2mm	7	3941174	3.250in./82.6mm	5
4672	3.250in./82.6mm	5	3727499	3.000in./76.2mm	7	3837266	3.347in./85mm	7	3941176	3.347in./85mm	7
4813	3.750in./95.3mm	9	3727499	3.347in./85mm	7	3837266	3.347in./85mm	5	3941176	3.347in./85mm	5
6223	3.766in./95.7mm	11	3727499	3.347in./85mm	5	3837466	3.500in./88.9mm	10	3941180	3.766in./95.7mm	11
6764	3.000in./76.2mm	6	3729449	3.000in./76.2mm	6	3838266	3.000in./76.2mm	6	3941184	3.484in./88.5mm	5
6764	3.000in./76.2mm	7	3729449	3.000in./76.2mm	7	3838266	3.000in./76.2mm	7	3942411	3.766in./95.7mm	11
6764	3.347in./85mm	7	3729449	3.347in./85mm	7	3838266	3.347in./85mm	7	3951528	3.750in./95.3mm	12
6764	3.347in./85mm	5	3729449	3.347in./85mm	5	3838266	3.347in./85mm	5	3951529D	3.750in./95.3mm	12
7115	3.766in./95.7mm	11	3732444	3.484in./88.5mm	5	3838396	3.500in./88.9mm	10	3962523	4.000in./101.6mm	11
7416	4.000in./101.6mm	11	3732692	3.250in./82.6mm	10	3849847	3.000in./76.2mm	6	3963523	4.000in./101.6mm	11
8767	2.660in./67.6mm	3	3733223	3.250in./82.6mm	10	3849847	3.000in./76.2mm	7	3963524	4.000in./101.6mm	11
9115	3.766in./95.7mm	11	3733226	3.250in./82.6mm	10	3849847	3.347in./85mm	7	3967463	4.000in./101.6mm	11
97954	3.750in./95.3mm	9	3734627	3.000in./76.2mm	6	3849847	3.347in./85mm	5	3975945	4.000in./101.6mm	11
103427	3.750in./95.3mm	9	3734627	3.000in./76.2mm	7	3863144	3.766in./95.7mm	11	4568749	3.484in./88.5mm	5
135411	3.484in./88.5mm	4	3734627	3.347in./85mm	7	3874874	3.766in./95.7mm	11	5782680	3.250in./82.6mm	7
230277	3.400in./86.4mm	3	3734627	3.347in./85mm	5	3876764	3.000in./76.2mm	6	5782680	3.250in./82.6mm	5
230278	3.400in./86.4mm	3	3735236	3.000in./76.2mm	6	3876764	3.000in./76.2mm	7	9773382	3.750in./95.3mm	9
230376	3.100in./78.7mm	5	3735236	3.000in./76.2mm	7	3876764	3.347in./85mm	7	9773383	3.750in./95.3mm	9

GENERAL MOTORS CORP. (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
9773524	3.750in./95.3mm	9	9783786	3.750in./95.3mm	9	25506397	3.400in./86.4mm	3	N353039	4.000in./101.6mm	11
9773573	3.750in./95.3mm	9	9793573	3.750in./95.3mm	9	25506818	3.400in./86.4mm	3	N853039	4.000in./101.6mm	11
9782646	3.750in./95.3mm	9	9794054	3.750in./95.3mm	9	25509404	3.400in./86.4mm	3	N853638	4.000in./101.6mm	11
9782770	3.750in./95.3mm	9	9795479	3.750in./95.3mm	9	25514290	3.400in./86.4mm	3	O-191561	3.500in./88.9mm	10
9783785	3.750in./95.3mm	9	25505554	3.400in./86.4mm	3	25520329	3.400in./86.4mm	3			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	2.0 Super Duty Pontiac 4 Cyl							
	2.5 Super Duty Pontiac 4 Cyl				x			
	2.7 Super Duty Pontiac 4 Cyl				x			
	3.0 Super Duty Pontiac 4 Cyl				x			
	3.3 Super Duty Pontiac 4 Cyl				x			

Rod Bearing(4)	TM-77	CB-1285P	STD	2.0990/2.1000	0.0005/0.0030	0.0621	2.2247/2.2252	0.7800

NOTE: P-Series Performance, No Dowel Hole In Cap Half

Main Bearing Set	TM-77	MS-1733P	STD, 1, 10, 20, 30, 40					
1-2-3-4		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
5		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090

Cam Bearing Set	AL-3	SH-1030S	STD, 10					
1-2-3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700

Connecting Rod 30 Lbs.Ft. (Except Cross Flow Cylinder Heads)

Connecting Rod 32 Lbs.Ft. (Cross Flow Cylinder Heads)

Main Bearing 65 Lbs.Ft. (Except Cross Flow Cylinder Heads)

Main Bearing 70 Lbs.Ft. (Cross Flow Cylinder Heads)

2	134 CID (2.2L) Ecotec DOHC 16 Valve General Motors 4 Cyl (2000-2005)	3.386in./86mm x 3.724in./94.6mm	2

Rod Bearing(4)	TM-77	CB-1827H	STD, 1, 10	1.9291/1.9297	0.0004/0.0022	0.0609	2.0519/2.0525	0.7980

NOTE: H-Series Performance, No Dowel Hole In Cap Half

Rod Bearing(4)	TM-77	CB-1827HX	STD	1.9291/1.9297	0.0004/0.0022	0.0604	2.0519/2.0525	0.7980

NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, No Dowel Hole In Cap Half

6 CYL

3	181 CID (3.0L) Buick V6 Cyl (1982-1988)	3.800in./96.5mm x 2.660in./67.6mm	3
	196 CID (3.2L) Buick V6 Cyl (1978-1979)	3.500in./88.9mm x 3.400in./86.4mm	
	231 CID (3.8L) Buick V6 Cyl (1978-1988)	3.800in./96.5mm x 3.400in./86.4mm	
	231 CID (3.8L) Turbo Buick Turbocharged V6 Cyl (1978-1989)	3.800in./96.5mm x 3.400in./86.4mm	
	252 CID (4.1L) Buick V6 Cyl (1980-1984)	3.965in./100.7mm x 3.400in./86.4mm	

Rod Bearing(6)	TM-77	CB-1398H	STD, 1, 10	2.2480/2.2485	0.0015/0.0033	0.0619	2.3738/2.3745	0.7420

NOTE: H-Series Performance, No Dowel Hole In Cap Half

Rod Bearing(6)	TM-77	CB-1398HX	STD	2.2480/2.2485	0.0025/0.0043	0.0614	2.3738/2.3745	0.7420

NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, No Dowel Hole In Cap Half

Rod Bearing(6)	VP-2	CB-1398V	STD, 1, 10	2.2480/2.2485	0.0015/0.0033	0.0619	2.3738/2.3745	0.7380

NOTE: V-Series Performance, No Dowel Hole In Cap Half

Rod Bearing(6)	VP-2	CB-1398VX	STD	2.2480/2.2485	0.0025/0.0043	0.0614	2.3738/2.3745	0.7380

NOTE: V-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, No Dowel Hole In Cap Half

Main Bearing Set	VP-2	MS-960V	STD					
1-3		MB-2433V		2.4990/2.5000	0.0007/0.0035	0.0932	2.6870/2.6880	0.8690
2		MB-2434V(F)		2.4990/2.5000	0.0007/0.0035	0.0932	2.6870/2.6880	1.0580
4		MB-2491V		2.4990/2.5000	0.0007/0.0035	0.0932	2.6870/2.6880	0.8690

NOTE: V-Series Performance, Grooved Upper Halves Plain Lower Halves

Cam Bearing(4)	AL-3	SH-1360	STD	1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.7600

Cam Bearing(4)	AL-3	SH-1448	STD	1.7850/1.7860	0.0005/0.0055	0.0745	1.9355/1.9375	0.7500

NOTE: .020" Oversize Outside Diameter Bearing

Rod Forging	201, 220, 408, 461, 673, 763, 779, 1357201, 1357333, 1377248, 25509405	
C/S Forging	275, 404, 732, 8767, 230277, 230278, 230378, 378354, 1254083, 1255645, 1255646, 1255674, 1255846, 1255862, 1257125, 1260877, 1261438, 1261787, 1357898, 1378351, 1378354, 25505554, 25506397, 25506818, 25509404, 25514290, 25520329	

Connecting Rod	40 Lbs.Ft.
Main Bearing	110 Lbs.Ft.

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
4	200 CID (3.3L) Chevrolet V6 Cyl (1978-1979)			3.500in./88.9mm x 3.484in./88.5mm				4
	229 CID (3.8L) 90 Degree Chevrolet V6 Cyl (1980-1984)			3.736in./95mm x 3.484in./88.5mm				
Rod Bearing(6)	TM-77	CB-1227H	STD,1	2.0990/2.1000	0.0003/0.0033	0.0622	2.2247/2.2257	0.7130
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(6)	TM-77	CB-1227HX	STD	2.0990/2.1000	0.0003/0.0033	0.0617	2.2247/2.2257	0.7130
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-1454P	STD,1,10,20,30,40	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
4		MB-2509P(F)						
NOTE: Grooved Upper Halves Plain Lower Halves								
Cam Bearing Set	AL-3	SH-1350S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
2-4		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
3		SH-1351						
C/S Forging 143, 147, 726N, 1354N, 135411								
Connecting Rod 45 Lbs.Ft.								
Main Bearing 70 Lbs.Ft.								
8 CYL								
5	262 CID (4.3L) Chevrolet V8 Cyl (1975-1976)			3.670in./93.2mm x 3.100in./78.7mm				5
	267 CID (4.4L) Chevrolet V8 Cyl (1979-1982)			3.500in./88.9mm x 3.484in./88.5mm				
	302 CID (5.0L) Large Journal Chevrolet V8 Cyl (1968-1969)			4.000in./101.6mm x 3.347in./85mm				
	305 CID (5.0L) Chevrolet V8 Cyl (1976-1998)			3.736in./95mm x 3.484in./88.5mm				
	307 CID (5.0L) Chevrolet V8 Cyl (1968-1973)			3.875in./98.4mm x 3.250in./82.6mm				
	327 CID (5.4L) Large Journal Chevrolet V8 Cyl (1968-1969)			4.000in./101.6mm x 3.250in./82.6mm				
	350 CID (5.7L) Generation I Chevrolet V8 Cyl (1967-1998)			4.000in./101.6mm x 3.484in./88.5mm				
	350 CID (5.7L) Generation II Chevrolet V8 Cyl (1992-1997)			4.000in./101.6mm x 3.484in./88.5mm				
Rod Bearing(8)	TM-77	CB-663H	STD,1,10,20	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-663HD	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-663HDK	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-663HK	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-663HX	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-663HDX	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-663HXDK	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-663HXX	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-663VN	STD,1,10,20	2.0990/2.1000	0.0008/0.0028	0.0621	2.2247/2.2252	0.7920
NOTE: V-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-663VXN	STD	2.0990/2.1000	0.0018/0.0038	0.0616	2.2247/2.2252	0.7920
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
5 (Cont.)	262 CID (4.3L) Chevrolet V8 Cyl (1975-1976)				3.670in./93.2mm x 3.100in./78.7mm			5 (Cont.)
	267 CID (4.4L) Chevrolet V8 Cyl (1979-1982)				3.500in./88.9mm x 3.484in./88.5mm			
	302 CID (5.0L) Large Journal Chevrolet V8 Cyl (1968-1969)				4.000in./101.6mm x 3.347in./85mm			
	305 CID (5.0L) Chevrolet V8 Cyl (1976-1998)				3.736in./95mm x 3.484in./88.5mm			
	307 CID (5.0L) Chevrolet V8 Cyl (1968-1973)				3.875in./98.4mm x 3.250in./82.6mm			
	327 CID (5.4L) Large Journal Chevrolet V8 Cyl (1968-1969)				4.000in./101.6mm x 3.250in./82.6mm			
	350 CID (5.7L) Generation I Chevrolet V8 Cyl (1967-1998)				4.000in./101.6mm x 3.484in./88.5mm			
350 CID (5.7L) Generation II Chevrolet V8 Cyl (1992-1997)				4.000in./101.6mm x 3.484in./88.5mm				
Rod Bearing(8) VP-2 CB-663VXX STD NOTE: V-Series Performance,Bearing Walls .0010" Thinner For .0020" More Oil Clearance,No Dowel Hole In Cap Half				2.0990/2.1000	0.0028/0.0048	0.0611	2.2247/2.2252	0.8420
Rod Bearing(8) TM-77 CB-825P STD NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod				2.0990/2.1000	0.0020/0.0045	0.0616	2.2247/2.2252	0.8420
Rod Bearing(8) TM-77 CB-826P STD,1,10 NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod				2.0990/2.1000	0.0010/0.0035	0.0621	2.2247/2.2252	0.8420
Rod Bearing(8) TM-77 CB-1263P STD Lower CB-1263P(L) Upper CB-1263P(U) NOTE: Bearing Is Patented DELTAWALL™ design,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half,Upper And Lower Halves Must Not Be Interchanged				2.0990/2.1000 2.0990/2.1000 2.0990/2.1000	0.0020/0.0045 0.0020/0.0045 0.0020/0.0045	0.0606 0.0606 0.0626	2.2247/2.2252 2.2247/2.2252 2.2247/2.2252	0.8420 0.8420 0.8420
Rod Bearing(8) TM-77 CB-1264P STD,1,10 Lower CB-1264P(L) Upper CB-1264P(U) NOTE: Bearing Is Patented DELTAWALL™ design,No Dowel Hole In Cap Half,Upper And Lower Halves Must Not Be Interchanged				2.0990/2.1000 2.0990/2.1000 2.0990/2.1000	0.0010/0.0035 0.0010/0.0035 0.0010/0.0035	0.0611 0.0611 0.0631	2.2247/2.2252 2.2247/2.2252 2.2247/2.2252	0.8420 0.8420 0.8420
Rod Bearing(8) TM-77 CB-1274P STD NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half				2.0990/2.1000	0.0020/0.0045	0.0616	2.2247/2.2252	0.8420
Rod Bearing(8) TM-77 CB-1275P STD,1,10 NOTE: P-Series Performance,No Dowel Hole In Cap Half				2.0990/2.1000	0.0010/0.0035	0.0621	2.2247/2.2252	0.8420
Main Bearing Set TM-77 MS-909H STD,1,10,20 1-2-3-4 MB-2508H 5 MB-2509H(F) NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves				2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set TM-77 MS-909HG STD,10 1-2-3-4 MB-2508HG 5 MB-2509HG(F) NOTE: H-Series Performance,Contains Full Grooved Bearings				2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set TM-77 MS-909HK STD,1,10 1-2-3-4 MB-2508H 5 MB-2509H(F) NOTE: H-Series Performance With TriArmor™,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness				2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set TM-77 MS-909HX STD 1-2-3-4 MB-2508HX 5 MB-2509HX(F) NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves				2.4483/2.4493 2.4478/2.4488	0.0016/0.0046 0.0021/0.0051	0.0950 0.0950	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set TM-77 MS-909HXX STD 1-2-3-4 MB-2508HX 5 MB-2509HX(F) NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness				2.4483/2.4493 2.4478/2.4488	0.0016/0.0046 0.0021/0.0051	0.0950 0.0950	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set VP-2 MS-909V STD,1,10 1-2-3-4 MB-2508V 5 MB-2509V(F) NOTE: V-Series Performance,Grooved Upper Halves Plain Lower Halves				2.4484/2.4493 2.4479/2.4488	0.0005/0.0028 0.0005/0.0028	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180

GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
5 (Cont.)	262 CID (4.3L) Chevrolet V8 Cyl (1975-1976)				3.670in./93.2mm x 3.100in./78.7mm			5 (Cont.)
	267 CID (4.4L) Chevrolet V8 Cyl (1979-1982)				3.500in./88.9mm x 3.484in./88.5mm			
	302 CID (5.0L) Large Journal Chevrolet V8 Cyl (1968-1969)				4.000in./101.6mm x 3.347in./85mm			
	305 CID (5.0L) Chevrolet V8 Cyl (1976-1998)				3.736in./95mm x 3.484in./88.5mm			
	307 CID (5.0L) Chevrolet V8 Cyl (1968-1973)				3.875in./98.4mm x 3.250in./82.6mm			
	327 CID (5.4L) Large Journal Chevrolet V8 Cyl (1968-1969)				4.000in./101.6mm x 3.250in./82.6mm			
	350 CID (5.7L) Generation I Chevrolet V8 Cyl (1967-1998)				4.000in./101.6mm x 3.484in./88.5mm			
350 CID (5.7L) Generation II Chevrolet V8 Cyl (1992-1997)				4.000in./101.6mm x 3.484in./88.5mm				
Main Bearing Set	VP-2	MS-909VX	STD					
1-2-3-4		MB-2508VX		2.4484/2.4493	0.0015/0.0038	0.0950	2.6406/2.6416	0.8070
5		MB-2509VX(F)		2.4479/2.4488	0.0015/0.0038	0.0950	2.6406/2.6416	1.7180
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-974P	STD,10					
1-2-3-4		MB-2547P		2.4479/2.4488	0.0011/0.0039	0.0953	2.6406/2.6415	0.8070
5		MB-2548P(F)		2.4479/2.4488	0.0011/0.0039	0.0953	2.6406/2.6415	1.7180
NOTE: P-Series Performance,Contains Full Grooved Bearings								
Main Bearing Set	TM-77	MS-1110H	STD,1,10					
1-2-3-4		MB-2650H		2.2983/2.2993	0.0005/0.0031	0.1705	2.6406/2.6416	0.8070
5		MB-1769H(F)		2.2978/2.2988	0.0010/0.0036	0.0954	2.4906/2.4916	1.7180
5		MB-2651C				0.0753	2.6406/2.6416	1.5200
NOTE: Engines Using 283 Crankshaft, H-Series Performance,Contains A Spacer To Be Used With Bearing In Position Number 5,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-1110HX	STD					
1-2-3-4		MB-2650HX		2.2983/2.2993	0.0015/0.0041	0.1700	2.6406/2.6416	0.8070
5		MB-1769HX(F)		2.2978/2.2988	0.0020/0.0046	0.0949	2.4906/2.4916	1.7180
5		MB-2651C				0.0753	2.6406/2.6416	1.5200
NOTE: Engines Using 283 Crankshaft, H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains A Spacer To Be Used With Bearing In Position Number 5,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-1523P	STD,1,10					
1-2-3-4		MB-2853P		2.4479/2.4488	0.0011/0.0039	0.0953	2.6406/2.4615	0.8070
5		MB-2548P(F)		2.4479/2.4488	0.0011/0.0039	0.0953	2.6406/2.6415	1.7180
NOTE: P-Series Performance,Bearing For Position Number 5 Is Full Annular Grooved,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves								
Main Bearing	TM-77	MB-1769HX	STD					
5		MB-1769HX(F)		2.2978/2.2988	0.0020/0.0046	0.0949	2.4906/2.4916	1.7180
NOTE: Engines Using 283 Crankshaft, H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains Flanged Bearing Only,Grooved Upper Halves Plain Lower Halves								
Cam Bearing Set	AL-3	SH-1349S	STD					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
Cam Bearing Set	AL-3	SH-1352S	STD					
1-2-3-4-5		SH-1352		1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set	AL-3	SH-1401S	STD					
1-2-3-4-5		SH-1401		1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Cam Bearing Set	TM-1	SH-1528S	STD					
1-2-3-4-5		SH-1528		1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set	AL-3	SH-1772S	STD					
1		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
2-3-4-5		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
NOTE: Aluminum Block								
Cam Bearing Set	AL-3	SH-1796S	STD					
1-2-3-4-5		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Diameter 1.9990"/2.0010"								

GENERAL MOTORS CORP. (Cont.)

GENERAL MOTORS CORP. (Cont.)											
COUNTER DATA				SHOP DATA							
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length			
8 CYL (Cont.)											
5 (Cont.)	262 CID (4.3L) Chevrolet V8 Cyl (1975-1976)				3.670in./93.2mm x 3.100in./78.7mm			5 (Cont.)			
	267 CID (4.4L) Chevrolet V8 Cyl (1979-1982)				3.500in./88.9mm x 3.484in./88.5mm						
	302 CID (5.0L) Large Journal Chevrolet V8 Cyl (1968-1969)				4.000in./101.6mm x 3.347in./85mm						
	305 CID (5.0L) Chevrolet V8 Cyl (1976-1998)				3.736in./95mm x 3.484in./88.5mm						
	307 CID (5.0L) Chevrolet V8 Cyl (1968-1973)				3.875in./98.4mm x 3.250in./82.6mm						
	327 CID (5.4L) Large Journal Chevrolet V8 Cyl (1968-1969)				4.000in./101.6mm x 3.250in./82.6mm						
	350 CID (5.7L) Generation I Chevrolet V8 Cyl (1967-1998)				4.000in./101.6mm x 3.484in./88.5mm						
350 CID (5.7L) Generation II Chevrolet V8 Cyl (1992-1997)				4.000in./101.6mm x 3.484in./88.5mm							
Cam Bearing Set 1-2-3-4-5				TM-1	SH-1808S	STD					
					SH-1808						
NOTE: Engines With Cam 1.9485/1.9495" Journal Diameter And 2.1195/2.1205" Housing Bore, "Big Block" Cam Bearing Diameters				1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.7500			
Rod Forging C/S Forging				3185281, 3703526, 3703527, 3784000, 3815281, 3892671, 3916396, 3923282, 3946841 1130, 1178, 1182, 2680, 2690, 3279, 4577, 4672, 6764, 230376, 306275, 306276, 310514, 354431, 3727499, 3729449, 3732444, 3734627, 3735236, 3782680, 3782690, 3815822, 3832442, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3911000, 3911001, 3911011, 391101A, 3912335, 3914681, 3914682, 3923278, 3930809, 3932444, 3941172, 3941174, 3941176, 3941184, 4568749, 5782680, 3835236TG							
Connecting Rod				35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod				45 Lbs.Ft. (3/8" Bolts)							
Main Bearing				75 Lbs.Ft.							
6	265 CID (4.3L) Chevrolet V8 Cyl (1955-1957)				3.750in./95.3mm x 3.000in./76.2mm			6			
Rod Bearing(8)				TM-77	CB-745H	STD,1,10	1.9990/2.0000	0.0009/0.0030	0.0621	2.1247/2.1252	0.8420
NOTE: H-Series Performance,No Dowel Hole In Cap Half											
Rod Bearing(8)				TM-77	CB-745HD	STD,10	1.9990/2.0000	0.0009/0.0030	0.0621	2.1247/2.1252	0.8420
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod											
Rod Bearing(8)				TM-77	CB-745HDK	STD,10	1.9990/2.0000	0.0009/0.0030	0.0621	2.1247/2.1252	0.8420
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod											
Rod Bearing(8)				TM-77	CB-745HK	STD,1,10	1.9990/2.0000	0.0009/0.0030	0.0621	2.1247/2.1252	0.8420
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half											
Rod Bearing(8)				TM-77	CB-745HX	STD	1.9990/2.0000	0.0019/0.0040	0.0616	2.1247/2.1252	0.8420
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half											
Rod Bearing(8)				TM-77	CB-745HXX	STD	1.9990/2.0000	0.0019/0.0040	0.0616	2.1247/2.1252	0.8420
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half											
Rod Bearing(8)				VP-2	CB-745V-10		1.9990/2.0000	0.0011/0.0032	0.0619	2.1247/2.1252	0.8420
NOTE: V-Series Performance,No Dowel Hole In Cap Half											
Rod Bearing(8)				VP-2	CB-745VN	STD,1	1.9990/2.0000	0.0010/0.0031	0.0620	2.1247/2.1252	0.7920
NOTE: V-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half											
Rod Bearing(8)				VP-2	CB-745VXN	STD	1.9990/2.0000	0.0020/0.0041	0.0615	2.1247/2.1252	0.7920
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half											
Rod Bearing(8)				TM-77	CB-823P	STD	1.9990/2.0000	0.0020/0.0045	0.0616	2.1247/2.1252	0.8420
NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod											
Rod Bearing(8)				TM-77	CB-824P	STD,10	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod											
Rod Bearing(8)				TM-77	CB-1271P	STD	1.9990/2.0000	0.0020/0.0045	0.0606	2.1247/2.1252	0.8420
Lower					CB-1271P(L)		1.9990/2.0000	0.0020/0.0045	0.0606	2.1247/2.1252	0.8420
Upper					CB-1271P(U)		1.9990/2.0000	0.0020/0.0045	0.0626	2.1247/2.1252	0.8420
NOTE: Bearing Is Patented DELTAWALL™ design,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half,Upper And Lower Halves Must Not Be Interchanged											

GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
6 (Cont.)	265 CID (4.3L) Chevrolet V8 Cyl (1955-1957)				3.750in./95.3mm x 3.000in./76.2mm			6 (Cont.)
Rod Bearing(8)	TM-77	CB-1272P	STD,10					
Lower		CB-1272P(L)		1.9990/2.0000	0.0010/0.0035	0.0611	2.1247/2.1252	0.8420
Upper		CB-1272P(U)		1.9990/2.0000	0.0010/0.0035	0.0631	2.1247/2.1252	0.8420
NOTE: Bearing Is Patented DELTAWALL™ design, No Dowel Hole In Cap Half, Upper And Lower Halves Must Not Be Interchanged								
Main Bearing Set	TM-77	MS-429H	STD,1,10					
1-2-3-4		MB-1808H		2.2983/2.2993	0.0005/0.0031	0.0954	2.4906/2.4916	0.8040
5		MB-1769H(F)		2.2978/2.2988	0.0010/0.0036	0.0954	2.4906/2.4916	1.7180
NOTE: H-Series Performance, Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-429HK	STD,1,10					
1-2-3-4		MB-1808H		2.2983/2.2993	0.0005/0.0031	0.0954	2.4906/2.4916	0.8040
5		MB-1769H(F)		2.2978/2.2988	0.0010/0.0036	0.0954	2.4906/2.4916	1.7180
NOTE: H-Series Performance With TriArmor™, Grooved Upper Halves Plain Lower Halves, Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set	TM-77	MS-429HX	STD					
1-2-3-4		MB-1808HX		2.2983/2.2993	0.0015/0.0041	0.0949	2.4906/2.4916	0.8040
5		MB-1769HX(F)		2.2978/2.2988	0.0020/0.0046	0.0949	2.4906/2.4916	1.7180
NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-429HXX	STD					
1-2-3-4		MB-1808HX		2.2983/2.2993	0.0015/0.0041	0.0949	2.4906/2.4916	0.8040
5		MB-1769HX(F)		2.2978/2.2988	0.0020/0.0046	0.0949	2.4906/2.4916	1.7180
NOTE: H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Grooved Upper Halves Plain Lower Halves, Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set	VP-2	MS-429V	STD,1,10					
1-2-3-4		MB-1808V		2.2983/2.2993	0.0005/0.0031	0.0954	2.4906/2.4916	0.8040
5		MB-1769V(F)		2.2978/2.2988	0.0010/0.0036	0.0954	2.4906/2.4916	1.7180
NOTE: V-Series Performance, Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	VP-2	MS-429VG	STD,1					
1-2-3-4		MB-1808VG		2.2983/2.2993	0.0005/0.0031	0.0954	2.4906/2.4916	0.8040
5		MB-1769VG(F)		2.2978/2.2988	0.0010/0.0036	0.0954	2.4906/2.4916	1.7180
NOTE: V-Series Performance, Contains Full Grooved Bearings								
Main Bearing Set	VP-2	MS-429VGX	STD					
1-2-3-4		MB-1808VGX		2.2983/2.2993	0.0015/0.0041	0.0949	2.4906/2.4916	0.8040
5		MB-1769VGX(F)		2.2978/2.2988	0.0020/0.0046	0.0949	2.4906/2.4916	1.7180
NOTE: V-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Contains Full Grooved Bearings								
Main Bearing Set	VP-2	MS-429VX	STD					
1-2-3-4		MB-1808VX		2.2983/2.2993	0.0015/0.0041	0.0949	2.4906/2.4916	0.8040
5		MB-1769VX(F)		2.2978/2.2988	0.0020/0.0046	0.0949	2.4906/2.4916	1.7180
NOTE: V-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Grooved Upper Halves Plain Lower Halves								
Main Bearing	TM-77	MB-1769HX	STD					
5		MB-1769HX(F)		2.2978/2.2988	0.0020/0.0046	0.0949	2.4906/2.4916	1.7180
NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Contains Flanged Bearing Only, Grooved Upper Halves Plain Lower Halves								
Cam Bearing Set	B-1	SH-287S	STD					
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
5		SH-289		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.9500
Rod Forging	3703526, 3703527, 3784000, 3815281							
C/S Forging	1178, 3279, 6764, 3727449, 3727499, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft.							

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
7	283 CID (4.6L) Chevrolet V8 Cyl (1957-1967)				3.875in./98.4mm x 3.000in./76.2mm			7
	302 CID (5.0L) Small Journal Chevrolet V8 Cyl (1967)				4.000in./101.6mm x 3.347in./85mm			
	327 CID (5.4L) Small Journal Chevrolet V8 Cyl (1962-1967)				4.000in./101.6mm x 3.250in./82.6mm			
Rod Bearing(8)	TM-77	CB-745H	STD,1,10	1.9990/2.0000	0.0009/0.0030	0.0621	2.1247/2.1252	0.8420
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-745HD	STD,10	1.9990/2.0000	0.0009/0.0030	0.0621	2.1247/2.1252	0.8420
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-745HDK	STD,10	1.9990/2.0000	0.0009/0.0030	0.0621	2.1247/2.1252	0.8420
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-745HK	STD,1,10	1.9990/2.0000	0.0009/0.0030	0.0621	2.1247/2.1252	0.8420
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-745HX	STD	1.9990/2.0000	0.0019/0.0040	0.0616	2.1247/2.1252	0.8420
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-745HXX	STD	1.9990/2.0000	0.0019/0.0040	0.0616	2.1247/2.1252	0.8420
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-745V-10 CB-745V		1.9990/2.0000	0.0011/0.0032	0.0619	2.1247/2.1252	0.8420
NOTE: V-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-745VN	STD,1	1.9990/2.0000	0.0010/0.0031	0.0620	2.1247/2.1252	0.7920
NOTE: V-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-745VXN	STD	1.9990/2.0000	0.0020/0.0041	0.0615	2.1247/2.1252	0.7920
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-823P	STD	1.9990/2.0000	0.0020/0.0045	0.0616	2.1247/2.1252	0.8420
NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-824P	STD,10	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-1271P	STD	1.9990/2.0000	0.0020/0.0045	0.0606	2.1247/2.1252	0.8420
Lower		CB-1271P(L)		1.9990/2.0000	0.0020/0.0045	0.0626	2.1247/2.1252	0.8420
Upper		CB-1271P(U)		1.9990/2.0000	0.0020/0.0045	0.0626	2.1247/2.1252	0.8420
NOTE: Bearing Is Patented DELTAWALL™ design,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half,Upper And Lower Halves Must Not Be Interchanged								
Rod Bearing(8)	TM-77	CB-1272P	STD,10	1.9990/2.0000	0.0010/0.0035	0.0611	2.1247/2.1252	0.8420
Lower		CB-1272P(L)		1.9990/2.0000	0.0010/0.0035	0.0631	2.1247/2.1252	0.8420
Upper		CB-1272P(U)		1.9990/2.0000	0.0010/0.0035	0.0631	2.1247/2.1252	0.8420
NOTE: Bearing Is Patented DELTAWALL™ design,No Dowel Hole In Cap Half,Upper And Lower Halves Must Not Be Interchanged								
Main Bearing Set	TM-77	MS-429H	STD,1,10	2.2983/2.2993	0.0005/0.0031	0.0954	2.4906/2.4916	0.8040
1-2-3-4		MB-1808H		2.2978/2.2988	0.0010/0.0036	0.0954	2.4906/2.4916	1.7180
5		MB-1769H(F)						
NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-429HK	STD,1,10	2.2983/2.2993	0.0005/0.0031	0.0954	2.4906/2.4916	0.8040
1-2-3-4		MB-1808H		2.2978/2.2988	0.0010/0.0036	0.0954	2.4906/2.4916	1.7180
5		MB-1769H(F)						
NOTE: H-Series Performance With TriArmor™,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
7 (Cont.)	283 CID (4.6L) Chevrolet V8 Cyl (1957-1967) 302 CID (5.0L) Small Journal Chevrolet V8 Cyl (1967) 327 CID (5.4L) Small Journal Chevrolet V8 Cyl (1962-1967)				3.875in./98.4mm x 3.000in./76.2mm 4.000in./101.6mm x 3.347in./85mm 4.000in./101.6mm x 3.250in./82.6mm			7 (Cont.)
Main Bearing Set 1-2-3-4 5	TM-77	MS-429HX MB-1808HX MB-1769HX(F)	STD	2.2983/2.2993 2.2978/2.2988	0.0015/0.0041 0.0020/0.0046	0.0949 0.0949	2.4906/2.4916 2.4906/2.4916	0.8040 1.7180
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-3-4 5	TM-77	MS-429HXX MB-1808HX MB-1769HX(F)	STD	2.2983/2.2993 2.2978/2.2988	0.0015/0.0041 0.0020/0.0046	0.0949 0.0949	2.4906/2.4916 2.4906/2.4916	0.8040 1.7180
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set 1-2-3-4 5	VP-2	MS-429V MB-1808V MB-1769V(F)	STD,1,10	2.2983/2.2993 2.2978/2.2988	0.0005/0.0031 0.0010/0.0036	0.0954 0.0954	2.4906/2.4916 2.4906/2.4916	0.8040 1.7180
NOTE: V-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-3-4 5	VP-2	MS-429VG MB-1808VG MB-1769VG(F)	STD,1	2.2983/2.2993 2.2978/2.2988	0.0005/0.0031 0.0010/0.0036	0.0954 0.0954	2.4906/2.4916 2.4906/2.4916	0.8040 1.7180
NOTE: V-Series Performance,Contains Full Grooved Bearings								
Main Bearing Set 1-2-3-4 5	VP-2	MS-429VGX MB-1808VGX MB-1769VGX(F)	STD	2.2983/2.2993 2.2978/2.2988	0.0015/0.0041 0.0020/0.0046	0.0949 0.0949	2.4906/2.4916 2.4906/2.4916	0.8040 1.7180
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains Full Grooved Bearings								
Main Bearing Set 1-2-3-4 5	VP-2	MS-429VX MB-1808VX MB-1769VX(F)	STD	2.2983/2.2993 2.2978/2.2988	0.0015/0.0041 0.0020/0.0046	0.0949 0.0949	2.4906/2.4916 2.4906/2.4916	0.8040 1.7180
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing 5	TM-77	MB-1769HX MB-1769HX(F)	STD	2.2978/2.2988	0.0020/0.0046	0.0949	2.4906/2.4916	1.7180
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains Flanged Bearing Only,Grooved Upper Halves Plain Lower Halves								
Cam Bearing Set 1 2 3-4 5	B-1	SH-287S SH-290 SH-288 SH-287 SH-289	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644 0.0694	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500 0.9500
NOTE: 1957-1963								
Cam Bearing Set 1 2-5 3-4	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: 1964-1967								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: 1964-1967, Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: 1964-1967, Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Cam Bearing Set 1-2-3-4-5	TM-1	SH-1528S SH-1528	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: 1964-1967, Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1796S SH-1351	STD	1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: 1964-1967, Oversize Align Bored Blocks With Housing Bore Diameter 1.9990"/2.0010"								

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
7 (Cont.)	283 CID (4.6L) Chevrolet V8 Cyl (1957-1967)				3.875in./98.4mm x 3.000in./76.2mm			7 (Cont.)
	302 CID (5.0L) Small Journal Chevrolet V8 Cyl (1967)				4.000in./101.6mm x 3.347in./85mm			
	327 CID (5.4L) Small Journal Chevrolet V8 Cyl (1962-1967)				4.000in./101.6mm x 3.250in./82.6mm			
Cam Bearing Set 1-2-3-4-5	B-1	SH-1797S SH-287	STD	1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: 1957-1963, Oversize Align Bored Blocks With Housing Bore Diameter 1.9990"/2.0010"								
Rod Forging C/S Forging	3185281, 3703526, 3703527, 3784000, 3815281 1130, 1178, 1182, 2680, 3279, 4577, 4672, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3782680, 3782690, 3815822, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3911000, 3911001, 3911011, 391101A, 3914681, 3914682, 3923278, 3930809, 3941172, 3941174, 3941176, 5782680, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft. (283 CID (4.6L) ,327 CID (5.4L)							
Main Bearing	80 Lbs.Ft. (302 CID (5.0L)							
8	294 CID (4.8L) Vortec 4800 Chevrolet V8 Cyl (1999-2004)				3.780in./96mm x 3.268in./83mm			8
	325 CID (5.3L) Vortec 5300 Chevrolet V8 Cyl (1999-2004)				3.780in./96mm x 3.622in./92mm			
	346 CID (5.7L) Generation III Chevrolet V8 Cyl (1997-2004)				3.898in./99mm x 3.622in./92mm			
	365 CID (6.0L) Vortec 6000 Chevrolet V8 Cyl (1999-2004)				4.000in./101.6mm x 3.622in./92mm			
Rod Bearing(8)	TM-77	CB-663H	STD,1,10,20	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-663HD	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-663HDK	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-663HK	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-663HX	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-663HDX	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-663HDXK	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-663HXX	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-663VN	STD,1,10,20	2.0990/2.1000	0.0008/0.0028	0.0621	2.2247/2.2252	0.7920
NOTE: V-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-663VXN	STD	2.0990/2.1000	0.0018/0.0038	0.0616	2.2247/2.2252	0.7920
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-663VXX	STD	2.0990/2.1000	0.0028/0.0048	0.0611	2.2247/2.2252	0.8420
NOTE: V-Series Performance,Bearing Walls .0010" Thinner For .0020" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-825P	STD	2.0990/2.1000	0.0020/0.0045	0.0616	2.2247/2.2252	0.8420
NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								

GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
8 (Cont.)	294 CID (4.8L) Vortec 4800 Chevrolet V8 Cyl (1999-2004) 325 CID (5.3L) Vortec 5300 Chevrolet V8 Cyl (1999-2004) 346 CID (5.7L) Generation III Chevrolet V8 Cyl (1997-2004) 365 CID (6.0L) Vortec 6000 Chevrolet V8 Cyl (1999-2004)				3.780in./96mm x 3.268in./83mm 3.780in./96mm x 3.622in./92mm 3.898in./99mm x 3.622in./92mm 4.000in./101.6mm x 3.622in./92mm			8 (Cont.)
Rod Bearing(8)	TM-77	CB-826P	STD,1,10	2.0990/2.1000	0.0010/0.0035	0.0621	2.2247/2.2252	0.8420
NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-1263P	STD	2.0990/2.1000	0.0020/0.0045	0.0606	2.2247/2.2252	0.8420
Lower		CB-1263P(L)		2.0990/2.1000	0.0020/0.0045	0.0606	2.2247/2.2252	0.8420
Upper		CB-1263P(U)		2.0990/2.1000	0.0020/0.0045	0.0626	2.2247/2.2252	0.8420
NOTE: Bearing Is Patented DELTAWALL™ design,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half,Upper And Lower Halves Must Not Be Interchanged								
Rod Bearing(8)	TM-77	CB-1264P	STD,1,10	2.0990/2.1000	0.0010/0.0035	0.0611	2.2247/2.2252	0.8420
Lower		CB-1264P(L)		2.0990/2.1000	0.0010/0.0035	0.0611	2.2247/2.2252	0.8420
Upper		CB-1264P(U)		2.0990/2.1000	0.0010/0.0035	0.0631	2.2247/2.2252	0.8420
NOTE: Bearing Is Patented DELTAWALL™ design,No Dowel Hole In Cap Half,Upper And Lower Halves Must Not Be Interchanged								
Rod Bearing(8)	TM-77	CB-1274P	STD	2.0990/2.1000	0.0020/0.0045	0.0616	2.2247/2.2252	0.8420
NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1275P	STD,1,10	2.0990/2.1000	0.0010/0.0035	0.0621	2.2247/2.2252	0.8420
NOTE: P-Series Performance,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-2199H	STD,1,10					
1-2-4-5		MB-3591H		2.5588/2.5593	0.0005/0.0026	0.0957	2.7509/2.7514	0.8050
3		MB-3592H(F)		2.5588/2.5593	0.0005/0.0026	0.0957	2.7509/2.7514	1.0280
NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-2199HK	STD,1,10					
1-2-4-5		MB-3591H		2.5588/2.5593	0.0005/0.0026	0.0957	2.7509/2.7514	0.8050
3		MB-3592H(F)		2.5588/2.5593	0.0005/0.0026	0.0957	2.7509/2.7514	1.0280
NOTE: H-Series Performance With TriArmor™,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set	TM-77	MS-2199HX	STD					
1-2-4-5		MB-3591HX		2.5588/2.5593	0.0015/0.0036	0.0952	2.7509/2.7514	0.8050
3		MB-3592HX(F)		2.5588/2.5593	0.0015/0.0036	0.0952	2.7509/2.7514	1.0280
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-2199HXX	STD					
1-2-4-5		MB-3591HX		2.5588/2.5593	0.0015/0.0036	0.0952	2.7509/2.7514	0.8050
3		MB-3592HX(F)		2.5588/2.5593	0.0015/0.0036	0.0952	2.7509/2.7514	1.0280
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Cam Bearing Set	B-1	SH-1814S	STD					
1-5		SH-1814		2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
2-4		SH-1815		2.1650/2.1670	0.0011/0.0063	0.0740	2.3161/2.3181	0.6350
3		SH-1816		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
NOTE: 1997-2002, 2003 1st Design; Positions 1 And 5 Housing Bore is 2.3260"/2.3280"								
Cam Bearing Set	B-1	SH-1995S	STD					
1-5		SH-1995		2.1650/2.1670	0.0011/0.0063	0.0890	2.3460/2.3480	0.6350
2-4		SH-1814		2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
3		SH-1816		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
NOTE: 2004, 2003 2nd Design; Positions 1 And 5 Housing Bore is 2.3460"/2.3480"								
9	326 CID (5.3L) Pontiac V8 Cyl (1963-1967) 350 CID (5.7L) Pontiac V8 Cyl (1968-1977) 389 CID (6.4L) Pontiac V8 Cyl (1959-1966) 400 CID (6.6L) Pontiac V8 Cyl (1967-1979)				3.719in./94.5mm x 3.750in./95.3mm 3.875in./98.4mm x 3.750in./95.3mm 4.063in./103.2mm x 3.750in./95.3mm 4.120in./104.6mm x 3.750in./95.3mm			9
Rod Bearing(8)	TM-77	CB-758H	STD,10	2.2487/2.2497	0.0011/0.0032	0.0619	2.3745/2.3755	0.8860
NOTE: H-Series Performance,No Dowel Hole In Cap Half								

GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
9 (Cont.)	326 CID (5.3L) Pontiac V8 Cyl (1963-1967)			3.719in./94.5mm x 3.750in./95.3mm				9 (Cont.)
	350 CID (5.7L) Pontiac V8 Cyl (1968-1977)			3.875in./98.4mm x 3.750in./95.3mm				
	389 CID (6.4L) Pontiac V8 Cyl (1959-1966)			4.063in./103.2mm x 3.750in./95.3mm				
	400 CID (6.6L) Pontiac V8 Cyl (1967-1979)			4.120in./104.6mm x 3.750in./95.3mm				
Main Bearing Set	TM-77	MS-496H	STD					
1-2-3		MB-1917H		2.9990/3.0000	0.0006/0.0032	0.0937	3.1880/3.1890	0.9380
4		MB-1918H(F)		2.9990/3.0000	0.0006/0.0032	0.0937	3.1880/3.1890	1.1340
5		MB-1891H		2.9990/3.0000	0.0006/0.0032	0.0937	3.1880/3.1890	1.5900
NOTE: H-Series Performance,Bearing For Position Number 5 Is Full Annular Grooved,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves								
Main Bearing Set	TM-77	MS-496P	STD,10,20,30					
1-2-3		MB-1917P		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	0.9430
4		MB-1918P(F)		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	1.1350
5		MB-1891P		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	1.5950
NOTE: Contains Full Grooved Bearings								
Cam Bearing Set	B-1	SH-292S	STD					
1-2-3-4-5		SH-292		1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	0.6900
Rod Forging	529007, 529238, 529938, 532294, 541000, 544956							
C/S Forging	4813, 97954, 103427, 481379, 481380, 493654, 496452, 531369, 541585, 544191, 9773382, 9773383, 9773524, 9773573, 9782646, 9782770, 9783785, 9783786, 9793573, 9794054, 9795479							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	95 Lbs.Ft. (Except Rear Bearing Cap)							
10	348 CID (5.7L) Chevrolet V8 Cyl (1958-1961)			4.125in./104.8mm x 3.250in./82.6mm				10
	409 CID (6.7L) Chevrolet V8 Cyl (1961-1965)			4.313in./109.6mm x 3.500in./88.9mm				
Rod Bearing(8)	TM-77	CB-743H	STD,1,10,20	2.1990/2.2000	0.0009/0.0030	0.0619	2.3247/2.3252	0.8920
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-743HD	STD,1,10	2.1990/2.2000	0.0009/0.0030	0.0619	2.3247/2.3252	0.8920
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-743HDK	STD,1,10	2.1990/2.2000	0.0009/0.0030	0.0619	2.3247/2.3252	0.8920
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-743HK	STD,1,10	2.1990/2.2000	0.0009/0.0030	0.0619	2.3247/2.3252	0.8920
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-743HX	STD	2.1990/2.2000	0.0019/0.0040	0.0614	2.3247/2.3252	0.8920
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-743HxD	STD	2.1990/2.2000	0.0019/0.0040	0.0614	2.3247/2.3252	0.8920
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-743HXDK	STD	2.1990/2.2000	0.0019/0.0040	0.0614	2.3247/2.3252	0.8920
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-743HXK	STD	2.1990/2.2000	0.0019/0.0040	0.0614	2.3247/2.3252	0.8920
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-743V	STD,1,10,20	2.1990/2.2000	0.0009/0.0030	0.0619	2.3247/2.3252	0.8920
NOTE: V-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-743VND	STD,1,10,20	2.1990/2.2000	0.0009/0.0034	0.0620	2.3247/2.3252	0.8420
NOTE: V-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
10 (Cont.)	348 CID (5.7L) Chevrolet V8 Cyl (1958-1961)			4.125in./104.8mm x 3.250in./82.6mm				10 (Cont.)
	409 CID (6.7L) Chevrolet V8 Cyl (1961-1965)			4.313in./109.6mm x 3.500in./88.9mm				
Rod Bearing(8)	VP-2	CB-743VNDX	STD	2.1990/2.2000	0.0009/0.0034	0.0615	2.3247/2.3252	0.8420
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	VP-2	CB-743VX	STD	2.1990/2.2000	0.0019/0.0040	0.0614	2.3247/2.3252	0.8920
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	B-2	CB-829M	STD,10	2.1988/2.1998	0.0010/0.0031	0.0622	2.3247/2.3252	0.8920
NOTE: M-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-955P	STD	2.1988/2.1998	0.0024/0.0049	0.0615	2.3247/2.3252	0.8920
NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-956P	STD,1,10	2.1988/2.1998	0.0014/0.0039	0.0620	2.3247/2.3252	0.8920
NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-1281P	STD	2.1988/2.1998	0.0024/0.0049	0.0615	2.3247/2.3252	0.8920
NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1282P	STD,1,10	2.1988/2.1998	0.0014/0.0039	0.0620	2.3247/2.3252	0.8920
NOTE: P-Series Performance,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-458H	STD,1					
1-2-3-4		MB-1840H		2.4980/2.4990	0.0006/0.0032	0.9370	2.6870/2.6880	1.0470
5		MB-1841H(F)		2.4980/2.4990	0.0020/0.0046	0.9300	2.6870/2.6880	1.8110
NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-458HX	STD					
1-2-3-4		MB-1840HX		2.4980/2.4990	0.0006/0.0032	0.9370	2.6870/2.6880	1.0470
5		MB-1841HX(F)		2.4980/2.4990	0.0020/0.0046	0.9300	2.6870/2.6880	1.8110
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Cam Bearing Set	AL-3	SH-398S	STD					
1		SH-398		1.8682/1.8692	0.0005/0.0050	0.0747	2.0190/2.0210	0.8700
2		SH-399		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
3-4		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
5		SH-401		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.9500
Rod Forging	3732717, 3795624, 3837686							
C/S Forging	0819, 3732692, 3733223, 3733226, 3741640, 3741642, 3788072, 3795589, 3824544, 3824553, 3824554, 3829027, 3837466, 3838396, 0-191561, 0-191561							
Connecting Rod	35 To 45 Lbs.Ft.							
Main Bearing	90 To 100 Lbs.Ft.							
11	366 CID (6.0L) Chevrolet V8 Cyl (1966-1998)			3.938in./100mm x 3.766in./95.7mm				11
	396 CID (6.6L) Chevrolet V8 Cyl (1965-1970)			4.094in./104mm x 3.766in./95.7mm				
	402 CID (6.6L) Chevrolet V8 Cyl (1970-1972)			4.125in./104.8mm x 3.766in./95.7mm				
	427 CID (7.0L) Chevrolet V8 Cyl (1966-1998)			4.250in./108mm x 3.766in./95.7mm				
	454 CID (7.4L) Chevrolet V8 Cyl (1970-2000)			4.250in./108mm x 4.000in./101.6mm				
	502 CID (8.2L) Chevrolet V8 Cyl			4.470in./113.5mm x 4.000in./101.6mm				
Rod Bearing(8)	TM-77	CB-743H	STD,1,10,20	2.1990/2.2000	0.0009/0.0030	0.0619	2.3247/2.3252	0.8920
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-743HD	STD,1,10	2.1990/2.2000	0.0009/0.0030	0.0619	2.3247/2.3252	0.8920
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-743HDK	STD,1,10	2.1990/2.2000	0.0009/0.0030	0.0619	2.3247/2.3252	0.8920
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-743HK	STD,1,10	2.1990/2.2000	0.0009/0.0030	0.0619	2.3247/2.3252	0.8920
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
11 (Cont.)	366 CID (6.0L) Chevrolet V8 Cyl (1966-1998)			3.938in./100mm x 3.766in./95.7mm				11 (Cont.)
	396 CID (6.6L) Chevrolet V8 Cyl (1965-1970)			4.094in./104mm x 3.766in./95.7mm				
	402 CID (6.6L) Chevrolet V8 Cyl (1970-1972)			4.125in./104.8mm x 3.766in./95.7mm				
	427 CID (7.0L) Chevrolet V8 Cyl (1966-1998)			4.250in./108mm x 3.766in./95.7mm				
	454 CID (7.4L) Chevrolet V8 Cyl (1970-2000)			4.250in./108mm x 4.000in./101.6mm				
	502 CID (8.2L) Chevrolet V8 Cyl			4.470in./113.5mm x 4.000in./101.6mm				
Rod Bearing(8)	TM-77	CB-743HX	STD	2.1990/2.2000	0.0019/0.0040	0.0614	2.3247/2.3252	0.8920
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-743HDX	STD	2.1990/2.2000	0.0019/0.0040	0.0614	2.3247/2.3252	0.8920
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-743HXDK	STD	2.1990/2.2000	0.0019/0.0040	0.0614	2.3247/2.3252	0.8920
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-743HXX	STD	2.1990/2.2000	0.0019/0.0040	0.0614	2.3247/2.3252	0.8920
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-743V	STD,1,10,20	2.1990/2.2000	0.0009/0.0030	0.0619	2.3247/2.3252	0.8920
NOTE: V-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-743VND	STD,1,10,20	2.1990/2.2000	0.0009/0.0034	0.0620	2.3247/2.3252	0.8420
NOTE: V-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	VP-2	CB-743VNDX	STD	2.1990/2.2000	0.0009/0.0034	0.0615	2.3247/2.3252	0.8420
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	VP-2	CB-743VX	STD	2.1990/2.2000	0.0019/0.0040	0.0614	2.3247/2.3252	0.8920
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	B-2	CB-829M	STD,10	2.1988/2.1998	0.0010/0.0031	0.0622	2.3247/2.3252	0.8920
NOTE: M-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-955P	STD	2.1988/2.1998	0.0024/0.0049	0.0615	2.3247/2.3252	0.8920
NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-956P	STD,1,10	2.1988/2.1998	0.0014/0.0039	0.0620	2.3247/2.3252	0.8920
NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-1281P	STD	2.1988/2.1998	0.0024/0.0049	0.0615	2.3247/2.3252	0.8920
NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1282P	STD,1,10	2.1988/2.1998	0.0014/0.0039	0.0620	2.3247/2.3252	0.8920
NOTE: P-Series Performance,No Dowel Hole In Cap Half								
Main Bearing Set 1-2-3-4	TM-77	MS-829H	STD,1,10,20	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0470
5		MB-2403H		2.7478/2.7488	0.0012/0.0038	0.0934	2.9370/2.9380	1.8110
NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-3-4	TM-77	MS-829HG	STD	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0470
5		MB-2403HG		2.7478/2.7488	0.0012/0.0038	0.0934	2.9370/2.9380	1.8110
NOTE: H-Series Performance,Contains Full Grooved Bearings								
Main Bearing Set 1-2-3-4	TM-77	MS-829HK	STD,1,10	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0470
5		MB-2403H		2.7478/2.7488	0.0012/0.0038	0.0934	2.9370/2.9380	1.8110
NOTE: H-Series Performance With TriArmor™,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
11 (Cont.)	366 CID (6.0L) Chevrolet V8 Cyl (1966-1998)			3.938in./100mm x 3.766in./95.7mm				11 (Cont.)
	396 CID (6.6L) Chevrolet V8 Cyl (1965-1970)			4.094in./104mm x 3.766in./95.7mm				
	402 CID (6.6L) Chevrolet V8 Cyl (1970-1972)			4.125in./104.8mm x 3.766in./95.7mm				
	427 CID (7.0L) Chevrolet V8 Cyl (1966-1998)			4.250in./108mm x 3.766in./95.7mm				
	454 CID (7.4L) Chevrolet V8 Cyl (1970-2000)			4.250in./108mm x 4.000in./101.6mm				
	502 CID (8.2L) Chevrolet V8 Cyl			4.470in./113.5mm x 4.000in./101.6mm				
Main Bearing Set 1-2-3-4 5	TM-77	MS-829HX MB-2403HX MB-2404HX(F)	STD	2.7482/2.7492 2.7478/2.7488	0.0017/0.0042 0.0022/0.0048	0.0929 0.0929	2.9370/2.9380 2.9370/2.9380	1.0470 1.8110
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-3-4 5	TM-77	MS-829HXX MB-2403HX MB-2404HX(F)	STD	2.7482/2.7492 2.7478/2.7488	0.0017/0.0042 0.0022/0.0048	0.0929 0.0929	2.9370/2.9380 2.9370/2.9380	1.0470 1.8110
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set 1-2-3-4 5	VP-2	MS-829V MB-2403V MB-2404V(F)	STD,1,10	2.7482/2.7492 2.7478/2.7488	0.0007/0.0035 0.0011/0.0039	0.0937 0.0937	2.9370/2.9380 2.9370/2.9380	1.0470 1.8110
NOTE: V-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-3-4 5	VP-2	MS-829VX MB-2403VX MB-2404VX(F)	STD	2.7482/2.7492 2.7478/2.7488	0.0017/0.0045 0.0021/0.0049	0.0932 0.0932	2.9370/2.9380 2.9370/2.9380	1.0470 1.8110
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-3-4 5	B-2	MS-1732M MB-3111M MB-2404P(F)	STD,1,10	2.7482/2.7492 2.7480/2.7490	0.0007/0.0037 0.0009/0.0039	0.0937 0.0937	2.9370/2.9380 2.9370/2.9380	1.0470 1.8110
NOTE: M-Series Performance,Grooved Upper Halves Plain Lower Halves								
Cam Bearing Set 1 2 3-4 5	B-1	SH-615S SH-615 SH-616 SH-617 SH-618	STD	1.9485/1.9495 1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847 0.0897	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205 2.1295/2.1305	0.8700 0.9900 0.9900 0.9900
NOTE: Engine Blocks Manufactured Before 1967								
Cam Bearing Set 1 2-5 3-4	B-1	SH-616S SH-615 SH-616 SH-617	STD	1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205	0.8700 0.9900 0.9900
NOTE: Engine Blocks Manufactured From 1967								
Cam Bearing Set 1-2-3-4-5	B-1	SH-617S SH-617	STD	1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
NOTE: Engine Blocks Manufactured From 1967, Align Bored Blocks With Housing Bore Diameter 2.1198"/2.1205"								
Rod Forging C/S Forging	3856239, 3856240, 3933174 3521, 6223, 7115, 7416, 9115, 353039, 359730, 3804816, 3836144, 3863144, 3874874, 3882842, 3882847, 3882848, 3882849, 3887114, 3904815, 3904816, 3941180, 3942411, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							
12	400 CID (6.6L) Chevrolet V8 Cyl (1970-1980)			4.125in./104.8mm x 3.750in./95.3mm				12
Rod Bearing(8) NOTE: H-Series Performance,No Dowel Hole In Cap Half	TM-77	CB-663H	STD,1,10,20	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod	TM-77	CB-663HD	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod	TM-77	CB-663HDK	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
12 (Cont.)	400 CID (6.6L) Chevrolet V8 Cyl (1970-1980)			4.125in./104.8mm x 3.750in./95.3mm				12 (Cont.)
Rod Bearing(8)	TM-77	CB-663HK	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-663HX	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-663HXD	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-663HXDK	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-663HXK	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-663VN	STD,1,10,20	2.0990/2.1000	0.0008/0.0028	0.0621	2.2247/2.2252	0.7920
NOTE: V-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-663VXN	STD	2.0990/2.1000	0.0018/0.0038	0.0616	2.2247/2.2252	0.7920
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-663VXX	STD	2.0990/2.1000	0.0028/0.0048	0.0611	2.2247/2.2252	0.8420
NOTE: V-Series Performance,Bearing Walls .0010" Thinner For .0020" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-825P	STD	2.0990/2.1000	0.0020/0.0045	0.0616	2.2247/2.2252	0.8420
NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-826P	STD,1,10	2.0990/2.1000	0.0010/0.0035	0.0621	2.2247/2.2252	0.8420
NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-1263P	STD	2.0990/2.1000	0.0020/0.0045	0.0606	2.2247/2.2252	0.8420
Lower		CB-1263P(L)		2.0990/2.1000	0.0020/0.0045	0.0606	2.2247/2.2252	0.8420
Upper		CB-1263P(U)		2.0990/2.1000	0.0020/0.0045	0.0626	2.2247/2.2252	0.8420
NOTE: Bearing Is Patented DELTAWALL™ design,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half,Upper And Lower Halves Must Not Be Interchanged								
Rod Bearing(8)	TM-77	CB-1264P	STD,1,10	2.0990/2.1000	0.0010/0.0035	0.0611	2.2247/2.2252	0.8420
Lower		CB-1264P(L)		2.0990/2.1000	0.0010/0.0035	0.0611	2.2247/2.2252	0.8420
Upper		CB-1264P(U)		2.0990/2.1000	0.0010/0.0035	0.0631	2.2247/2.2252	0.8420
NOTE: Bearing Is Patented DELTAWALL™ design,No Dowel Hole In Cap Half,Upper And Lower Halves Must Not Be Interchanged								
Rod Bearing(8)	TM-77	CB-1274P	STD	2.0990/2.1000	0.0020/0.0045	0.0616	2.2247/2.2252	0.8420
NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1275P	STD,1,10	2.0990/2.1000	0.0010/0.0035	0.0621	2.2247/2.2252	0.8420
NOTE: P-Series Performance,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-1038H	STD,1,10					
1-2-3-4		MB-2562H		2.6484/2.6493	0.0007/0.0031	0.0953	2.8406/2.8416	0.8070
5		MB-2563H(F)		2.6479/2.6488	0.0012/0.0036	0.0953	2.8406/2.8416	1.7180
NOTE: Engines Using 400 Crankshaft, H-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-1038HG	STD					
1-2-3-4		MB-2562HG		2.6484/2.6493	0.0007/0.0031	0.0953	2.8406/2.8416	0.8070
5		MB-2563HG(F)		2.6479/2.6488	0.0012/0.0036	0.0953	2.8406/2.8416	1.7180
NOTE: Engines Using 400 Crankshaft, H-Series Performance,Contains Full Grooved Bearings								

GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
12 (Cont.)	400 CID (6.6L) Chevrolet V8 Cyl (1970-1980)				4.125in./104.8mm x 3.750in./95.3mm			12 (Cont.)
Main Bearing Set 1-2-3-4 5	TM-77	MS-1038HK MB-2562H MB-2563H(F)	STD,1,10	2.6484/2.6493 2.6479/2.6488	0.0007/0.0031 0.0012/0.0036	0.0953 0.0953	2.8406/2.8416 2.8406/2.8416	0.8070 1.7180
NOTE: Engines Using 400 Crankshaft, H-Series Performance With TriArmor™, Grooved Upper Halves Plain Lower Halves, Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1038HX MB-2562HX MB-2563HX(F)	STD	2.6484/2.6493 2.6479/2.6488	0.0017/0.0041 0.0022/0.0046	0.0948 0.0948	2.8406/2.8416 2.8406/2.8416	0.8070 1.7180
NOTE: Engines Using 400 Crankshaft, H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1038HXX MB-2562HX MB-2563HX(F)	STD	2.6484/2.6493 2.6479/2.6488	0.0017/0.0041 0.0022/0.0046	0.0948 0.0948	2.8406/2.8416 2.8406/2.8416	0.8070 1.7180
NOTE: Engines Using 400 Crankshaft, H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Grooved Upper Halves Plain Lower Halves, Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set 1-2-3-4 5	VP-2	MS-1038V MB-2562V MB-2563V(F)	STD,10	2.6484/2.6493 2.6479/2.6488	0.0007/0.0031 0.0012/0.0036	0.0953 0.0953	2.8406/2.8416 2.8406/2.8416	0.8070 1.7180
NOTE: Engines Using 400 Crankshaft, V-Series Performance, Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-3-4 5 5	TM-77	MS-1564P MB-2604P MB-2548P(F) MB-2878C	STD,10	2.4483/2.4493 2.4479/2.4488	0.0030/0.0045 0.0011/0.0039	0.1953 0.0953 0.1003	2.8406/2.8415 2.6406/2.6415 2.8406/2.8415	0.8070 1.7180 1.5200
NOTE: Engines Using 350 Crankshaft, P-Series Performance, Bearing For Position Number 5 Is Full Annular Grooved, Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves, Contains A Spacer To Be Used With Bearing In Position Number 5								
Cam Bearing Set 1 2-5 3-4	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Cam Bearing Set 1-2-3-4-5	TM-1	SH-1528S SH-1528	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1 2-3-4-5	AL-3	SH-1772S SH-1351 SH-400	STD	1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0005/0.0050	0.0644 0.0647	1.9990/2.0010 1.9990/2.0010	0.7500 0.8700
NOTE: Aluminum Block								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1796S SH-1351	STD	1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Diameter 1.9990"/2.0010"								
Cam Bearing Set 1-2-3-4-5	TM-1	SH-1808S SH-1808	STD	1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.7500
NOTE: Engines With Cam 1.9485/1.9495" Journal Diameter And 2.1195/2.1205" Housing Bore, "Big Block" Cam Bearing Diameters								
Rod Forging C/S Forging	3951629 3882841, 3951528, 3951529D							
Connecting Rod Main Bearing	45 Lbs.Ft. 75 Lbs.Ft.							

HONDA									
ENGINE DATA									
Engine		Years		Block	Engine		Years		Block
4 CYL					4 CYL (Cont.)				
1595CC (1.6L) B16A2 V-TEC DOHC		1996-1997		1	1834CC (1.8L) B18B1 DOHC Acura		1994-2001		3
1595CC (1.6L) B16A3 V-TEC DOHC		1994-1995		1	2157CC (2.2L) H22A1 V-TEC DOHC		1993-1996		4
1797CC (1.8L) B18C1 V-TEC DOHC Acura		1994-2001		2	2157CC (2.2L) H22A4 V-TEC DOHC		1997-2001		4
1834CC (1.8L) B18A1 DOHC Acura		1990-1993		3					
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL									
1	1595CC (1.6L) B16A2 V-TEC DOHC 4 Cyl (1996-1997)				3.189in./81mm x 3.047in./77.4mm				1
	1595CC (1.6L) B16A3 V-TEC DOHC 4 Cyl (1994-1995)				3.189in./81mm x 3.047in./77.4mm				
Rod Bearing(4)	TM-77	CB-1777H	STD,.25mm		1.7707/1.7717	0.0014/0.0043	0.0586	1.8898/1.8907	0.7677
NOTE: H-Series Performance,No Dowel Hole In Cap Half									
Rod Bearing(4)	TM-77	CB-1777HX	STD		1.7707/1.7717	0.0024/0.0053	0.0581	1.8898/1.8907	0.7677
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half									
2	1797CC (1.8L) B18C1 V-TEC DOHC Acura 4 Cyl (1994-2001)				3.189in./81mm x 3.433in./87.2mm				2
Rod Bearing(4)	TM-77	CB-1785H	STD,.25mm		1.7707/1.7717	0.0008/0.0015	0.0595	1.8898/1.8907	0.6880
NOTE: H-Series Performance,No Dowel Hole In Cap Half									
Rod Bearing(4)	TM-77	CB-1785HK	STD,.25mm		1.7707/1.7717	0.0008/0.0015	0.0595	1.8898/1.8907	0.6880
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half									
Rod Bearing(4)	TM-77	CB-1785HX	STD		1.7707/1.7717	0.0018/0.0025	0.0590	1.8898/1.8907	0.6880
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half									
Rod Bearing(4)	TM-77	CB-1785HXX	STD		1.7707/1.7717	0.0018/0.0025	0.0590	1.8898/1.8907	0.6880
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half									
Connecting Rod	Step A 15 Lbs.Ft.; Step B 33 Lbs.Ft.								
Main Bearing	Step A 22 Lbs.Ft.; Step B 49 Lbs.Ft. (Bearing Caps Number 2, 3, And 4)								
Main Bearing	Step A 22 Lbs.Ft.; Step B 56 Lbs.Ft. (Bearing Caps Number 1 and 5)								
3	1834CC (1.8L) B18A1 DOHC Acura 4 Cyl (1990-1993)				3.189in./81mm x 3.504in./89mm				3
	1834CC (1.8L) B18B1 DOHC Acura 4 Cyl (1994-2001)				3.189in./81mm x 3.504in./89mm				
Rod Bearing(4)	TM-77	CB-1353H	STD,.026mm,.25mm		1.7707/1.7717	0.0005/0.0034	0.0591	1.8898/1.8907	0.7680
NOTE: H-Series Performance,No Dowel Hole In Cap Half									
Rod Bearing(4)	TM-77	CB-1353HX	STD		1.7707/1.7717	0.0015/0.0044	0.0586	1.8898/1.8907	0.7680
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half									
Rod Forging	PR4, C7917								
Connecting Rod	30 Lbs.Ft. (1834CC (1.8L) B18A1 DOHC)								
Connecting Rod	Step A 15 Lbs.Ft.; Step B 24 Lbs.Ft. (1834CC (1.8L) B18B1 DOHC)								
Main Bearing	56 Lbs.Ft. (1834CC (1.8L) B18A1 DOHC)								
Main Bearing	Step A 22 Lbs.Ft.; Step B 58 Lbs.Ft. (1834CC (1.8L) B18B1 DOHC)								
4	2157CC (2.2L) H22A1 V-TEC DOHC 4 Cyl (1993-1996)				3.425in./87mm x 3.571in./90.7mm				4
	2157CC (2.2L) H22A4 V-TEC DOHC 4 Cyl (1997-2001)				3.425in./87mm x 3.571in./90.7mm				
Rod Bearing(4)	TM-77	CB-1780H	STD,.25mm		1.8888/1.8898	0.0008/0.0036	0.0589	2.0079/2.0087	0.7650
NOTE: H-Series Performance,No Dowel Hole In Cap Half									
Rod Bearing(4)	TM-77	CB-1780HX	STD		1.8888/1.8898	0.0018/0.0036	0.0584	2.0079/2.0087	0.7650
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half									

MAZDA									
ENGINE DATA									
Engine		Years		Block	Engine		Years		Block
1989CC (2.0L) Zetec/DOHC/16 Valve Ford		2001-2003		1	2261CC (2.3L) DOHC 16 Valve VVT		2003-2005		2
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL									
1	1989CC (2.0L) Zetec/DOHC/16 Valve Ford 4 Cyl (2001-2003)				3.339in./84.8mm x 3.461in./87.9mm				1
Rod Bearing(4) TM-77 CB-1774H STD.,.026mm,.25mm					1.8461/1.8468	0.0008/0.0017	0.0585	1.9642/1.9650	0.8020
NOTE: H-Series Performance,No Dowel Hole In Cap Half					1.8461/1.8468	0.0018/0.0027	0.0580	1.9642/1.9650	0.8020
Rod Bearing(4) TM-77 CB-1774HX STD					1.8461/1.8468	0.0018/0.0027	0.0580	1.9642/1.9650	0.8020
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half					1.8461/1.8468	0.0018/0.0027	0.0580	1.9642/1.9650	0.8020
Main Bearing Set TM-77 MS-2208H STD.,.026mm,.25mm					2.2827/2.2834	0.0003/0.0016	0.0842	2.4522/2.4528	0.7710
1-2-4-5 MB-3753H					2.2827/2.2834	0.0007/0.0030	0.0842	2.4522/2.4528	0.9730
3 MB-3754H(F)					2.2827/2.2834	0.0007/0.0030	0.0842	2.4522/2.4528	0.9730
NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves					2.2827/2.2834	0.0003/0.0016	0.0842	2.4522/2.4528	0.9730
Main Bearing Set TM-77 MS-2208HX STD					2.2827/2.2834	0.0003/0.0016	0.0837	2.4522/2.4528	0.7710
1-2-4-5 MB-3753HX					2.2827/2.2834	0.0003/0.0016	0.0837	2.4522/2.4528	0.7710
3 MB-3754H(X)(F)					2.2827/2.2834	0.0007/0.0030	0.0837	2.4522/2.4528	0.9730
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves					2.2827/2.2834	0.0007/0.0030	0.0837	2.4522/2.4528	0.9730
C/S Forging 91K, 9166N, 90-21-0, 90TM-AA, 90TM-AB, 91TM-AA, 91A-6303-A, 91A-6303-B, 91H-6303-B									
2	2261CC (2.3L) DOHC 16 Valve VVT 4 Cyl (2003-2005)				3.444in./87.5mm x 3.701in./94mm				2
Rod Bearing(4) TM-77 CB-1838H STD.,.026mm,.25mm					1.9677/1.9685	0.0010/0.0020	0.0598	2.0875/2.0883	0.6653
NOTE: H-Series Performance,No Dowel Hole In Cap Half					1.9677/1.9685	0.0020/0.0030	0.0593	2.0875/2.0883	0.6653
Rod Bearing(4) TM-77 CB-1838HX STD					1.9677/1.9685	0.0020/0.0030	0.0593	2.0875/2.0883	0.6653
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half					1.9677/1.9685	0.0020/0.0030	0.0593	2.0875/2.0883	0.6653
TOYOTA									
ENGINE DATA									
Engine		Years		Block	Engine		Years		Block
6 CYL					6 CYL (Cont.)				
2997CC (3.0L) 2JZGE DOHC		1993-1998		1	2997CC (3.0L) 2JZGTE DOHC Turbocharged		1993-1998		1
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL									
1	2997CC (3.0L) 2JZGE DOHC 6 Cyl (1993-1998)				3.386in./86mm x 3.386in./86mm				1
2997CC (3.0L) 2JZGTE DOHC Turbocharged 6 Cyl (1993-1998)					3.386in./86mm x 3.386in./86mm				1
Rod Bearing(6) TM-77 CB-1628H STD.,.25mm					2.0465/2.0472	0.0014/0.0021	0.0595	2.1663/2.1670	0.7600
NOTE: H-Series Performance,No Dowel Hole In Cap Half					2.0465/2.0472	0.0024/0.0031	0.0590	2.1663/2.1670	0.7600
Rod Bearing(6) TM-77 CB-1628HX STD					2.0465/2.0472	0.0024/0.0031	0.0590	2.1663/2.1670	0.7600
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half					2.0465/2.0472	0.0024/0.0031	0.0590	2.1663/2.1670	0.7600
Connecting Rod					22 Lbs.Ft. Plus 90 Degrees				
Main Bearing					33 Lbs.Ft. Plus 90 Degrees				

ENGINE DATA

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				4 CYL (Cont.)			
1590CC (1.6L) D16A1 DOHC 16 Valve	1986-1989	2.953in./75mmX3.543in./90mm	1	2156CC (2.2L) F22B1 V-TEC SOHC	1997	3.346in./85mmX3.740in./95mm	4
1590CC (1.6L) D16Y8 V-TEC SOHC	1997-2000	2.953in./75mmX3.543in./90mm	1	6 CYL			
1678CC (1.7L) B17A1 V-TEC DOHC	1992-1993	3.189in./81mmX3.189in./81mm	2	2494CC (2.5L) C25A1 SOHC	1986-1987	3.307in./84mmX2.953in./75mm	5
1797CC (1.8L) B18C1 V-TEC DOHC	1994-2001	3.189in./81mmX3.433in./87.2mm	3	2675CC (2.7L) C27A1 SOHC	1987-1990	3.425in./87mmX2.953in./75mm	5
1797CC (1.8L) B18C5 V-TEC DOHC	1997-2001	3.189in./81mmX3.433in./87.2mm	3	3165CC (3.2L) SOHC ISZ (6VD1) Isuzu	1996-1997	3.677in./93.4mmX3.031in./77mm	6
1834CC (1.8L) B18A1 DOHC	1990-1993	3.189in./81mmX3.504in./89mm	2				
1834CC (1.8L) B18B1 DOHC	1994-2001	3.189in./81mmX3.504in./89mm	2				

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
1.6 EL	1590CC (1.6L) D16Y8 V-TEC SOHC Honda	1997-2000	1	Integra	1797CC (1.8L) B18C5 DOHC	1997-2001	3
2.2CL	2156CC (2.2L) F22B1 V-TEC SOHC	1997	4	Integra	1834CC (1.8L) B18A1 DOHC	1990-1993	2
Integra	1590CC (1.6L) D16A1 DOHC 16 Valve	1986-1989	1	Integra	1834CC (1.8L) B18B1 DOHC	1994-2001	2
Integra	1678CC (1.7L) B17A1 V-TEC DOHC	1992-1993	2	Legend	2494CC (2.5L) C25A1 SOHC	1986	5
Integra	1797CC (1.8L) B18C1 V-TEC DOHC	1994-2001	3	Legend	2675CC (2.7L) C27A1 SOHC	1987-1990	5
				SLX	3165CC (3.2L) SOHC ISZ (6VD1) Isuzu	1996-1997	6

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
C7917	3.504in./89mm	2	PH7	2.953in./75mm	5	PR4	3.504in./89mm	2

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
321	3.543in./90mm	1	4434	2.953in./75mm	5	4456	3.543in./90mm	1	KN224	3.031in./77mm	6

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	1590CC (1.6L) D16A1 DOHC 16 Valve 4 Cyl (1986-1989)				2.953in./75mm x 3.543in./90mm				1
	1590CC (1.6L) D16Y8 V-TEC SOHC Honda 4 Cyl (1997-2000)				2.953in./75mm x 3.543in./90mm				
Rod Bearing(4)	TM-1	CB-1461P	STD.,25mm.,50mm	1.7707/1.7717	0.0008/0.0015	0.0592	1.8898/1.8907	0.7280	
Main Bearing Set 1-2-3-4-5	TM-1	MS-1804P MB-3176P	STD.,25mm.,50mm	2.1644/2.1654	0.0010/0.0019	0.0790	2.3228/2.3237	0.7870	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-473S									
Thrust Washer Set		TW-473S MB-3176W	STD	2.4114/2.4213			3.2185/3.2283	0.0980	
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1804P									
C/S Forging 321, 4456									
Connecting Rod	23 Lbs.Ft.								
Main Bearing	40 Lbs.Ft.								
2	1678CC (1.7L) B17A1 V-TEC DOHC 4 Cyl (1992-1993)				3.189in./81mm x 3.189in./81mm				2
	1834CC (1.8L) B18A1 DOHC 4 Cyl (1990-1993)				3.189in./81mm x 3.504in./89mm				
	1834CC (1.8L) B18B1 DOHC 4 Cyl (1994-2001)				3.189in./81mm x 3.504in./89mm				
Rod Bearing(4)	TM-1	CB-1353P	STD.,25mm.,50mm	1.7707/1.7717	0.0005/0.0034	0.0591	1.8898/1.8907	0.7680	
Main Bearing Set 1-2-3-4-5	TM-1	MS-2095P MB-3760P	STD.,25mm.,50mm	2.1644/2.1654	0.0010/0.0019	0.0790	2.3228/2.3237	0.7870	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-473S									
Thrust Washer Set		TW-473S MB-3176W	STD	2.4114/2.4213			3.2185/3.2283	0.0980	
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-2095P									
Rod Forging PR4, C7917									

ACURA (Cont.)

COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
2 (Cont.)	1678CC (1.7L) B17A1 V-TEC DOHC 4 Cyl (1992-1993)				3.189in./81mm x 3.189in./81mm			2 (Cont.)	
	1834CC (1.8L) B18A1 DOHC 4 Cyl (1990-1993)				3.189in./81mm x 3.504in./89mm				
	1834CC (1.8L) B18B1 DOHC 4 Cyl (1994-2001)				3.189in./81mm x 3.504in./89mm				
Connecting Rod		30 Lbs.Ft. (1834CC (1.8L) B18A1 DOHC)							
Connecting Rod		Step A 15 Lbs.Ft.; Step B 24 Lbs.Ft. (1678CC (1.7L) B17A1 V-TEC DOHC,1834CC (1.8L) B18B1 DOHC)							
Main Bearing		56 Lbs.Ft. (1678CC (1.7L) B17A1 V-TEC DOHC,1834CC (1.8L) B18A1 DOHC)							
Main Bearing		Step A 22 Lbs.Ft.; Step B 58 Lbs.Ft. (1834CC (1.8L) B18B1 DOHC)							
3	1797CC (1.8L) B18C1 V-TEC DOHC 4 Cyl (1994-2001)				3.189in./81mm x 3.433in./87.2mm			3	
	1797CC (1.8L) B18C5 DOHC 4 Cyl (1997-2001)				3.189in./81mm x 3.433in./87.2mm				
Rod Bearing(4)		TM-77	CB-1785P	STD.,25mm.,50mm	1.7707/1.7717	0.0008/0.0015	0.0595	1.8898/1.8907	0.6880
Main Bearing Set 1-2-3-4-5		TM-1	MS-2095P MB-3760P	STD.,25mm.,50mm	2.1644/2.1654	0.0010/0.0019	0.0790	2.3228/2.3237	0.7870
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-473S									
Thrust Washer Set		TW-473S		STD	2.4114/2.4213		3.2185/3.2283	0.0980	
		MB-3176W							
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-2095P									
Connecting Rod		Step A 15 Lbs.Ft.; Step B 33 Lbs.Ft.							
Main Bearing		Step A 22 Lbs.Ft.; Step B 49 Lbs.Ft. (Bearing Caps Number 2, 3, And 4)							
Main Bearing		Step A 22 Lbs.Ft.; Step B 56 Lbs.Ft. (Bearing Caps Number 1 and 5)							
4	2156CC (2.2L) F22B1 V-TEC SOHC 4 Cyl (1997)				3.346in./85mm x 3.740in./95mm			4	
Rod Bearing(4)		TM-1	CB-1456P	STD.,25mm.,50mm	1.8888/1.8898	0.0007/0.0035	0.0590	2.0079/2.0087	0.7640
Main Bearing Set 1-2-3-4-5		TM-1	MS-2012P MB-3474P	STD.,25mm.,50mm	1.9677/1.9687	0.0005/0.0015	0.0788	2.1253/2.1263	0.7880
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-587S									
Thrust Washer Set		TW-587S		STD	2.2641		3.0713	0.0980	
		MB-3474W							
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-2012P									
6 CYL									
5	2494CC (2.5L) C25A1 SOHC V6 Cyl (1986-1987)				3.307in./84mm x 2.953in./75mm			5	
	2675CC (2.7L) C27A1 SOHC V6 Cyl (1987-1990)				3.425in./87mm x 2.953in./75mm				
Rod Bearing(6)		TM-1	CB-1457P	STD.,25mm	2.0463/2.0472	0.0010/0.0020	0.0592	2.1654/2.1663	0.6890
Main Bearing Set 1-2-3-4		TM-1	MS-1805P MB-3177P	STD.,25mm	2.5187/2.5197	0.0009/0.0019	0.0787	2.6772/2.6781	0.7870
NOTE: California Emmission To Engine Serial Number 2001033,Except California Emmission To Engine Serial Number 2502726, Requires Thrust Washer Set, Not Included, Use With Part Number TW-474S									
Thrust Washer Set		TW-474S		STD	2.9626/2.9724		3.6909/3.7008	0.0980	
		MB-3177W							
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1805P									
Rod Forging		PH7							
C/S Forging		4434							
Connecting Rod		33 Lbs.Ft.							
Main Bearing		29 Lbs.Ft. (9mm Bolts)							
Main Bearing		36 Lbs.Ft. (2494CC (2.5L) C25A1 SOHC,2675CC (2.7L) C27A1 SOHC)							
Main Bearing		41 Lbs.Ft. (1989-1989, 2675CC (2.7L) C27A1 SOHC)							
Main Bearing		48 Lbs.Ft. (1990-1990, 2675CC (2.7L) C27A1 SOHC)							
Main Bearing		50 Lbs.Ft. (2494CC (2.5L) C25A1 SOHC)							
Main Bearing		50 Lbs.Ft. (1987-1988, 2675CC (2.7L) C27A1 SOHC)							
6	3165CC (3.2L) SOHC ISZ (6VD1) Isuzu V6 Cyl (1996-1997)				3.677in./93.4mm x 3.031in./77mm			6	
Rod Bearing(6)		TM-1	CB-1830P	STD.,25mm.,50mm	2.1229/2.1235	0.0007/0.0031	0.0596	2.2434/2.2441	0.6740
Main Bearing Set 1-4		TM-1	MS-2236P MB-3805P	STD.,25mm.,50mm	2.5165/2.5170	0.0010/0.0033	0.0995	2.7157/2.7165	0.7280
2-3			MB-3806P		2.5165/2.5170	0.0010/0.0033	0.0995	2.7157/2.7165	0.6500
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-615S									
Thrust Washer Set		TW-615S		STD	2.7953/2.8051			0.0770	
		MB-3807W							
NOTE: Contains 2 Pieces, Use With Part Number MS-2236P									
C/S Forging		KN224							

ALFA ROMEO								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
4 CYL				6 CYL				
1570CC (1.6L)	1972-1976	3.071in./78mmX3.228in./82mm	1	2492CC (2.5L) SOHC	1981-1989	3.465in./88mmX2.677in./68mm	2	
1779CC (1.8L) 105.41	1969-1971	3.150in./80mmX3.465in./88mm	1	2959CC (3.0L) DOHC	1993-1995	3.661in./93mmX2.874in./73mm	2	
1962CC (2.0L) DOHC	1972-1994	3.307in./84mmX3.465in./88mm	1	2959CC (3.0L) SOHC	1988-1993	3.661in./93mmX2.874in./73mm	2	
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
164	2959CC (3.0L) SOHC	1991-1993	2	Giulia	1570CC (1.6L)	1972-1976	1	
164	2959CC (3.0L) DOHC	1993-1995	2	Graduate	1962CC (2.0L) DOHC	1985-1990	1	
1600	1570CC (1.6L)	1972-1976	1	Milano	2492CC (2.5L) SOHC	1987-1989	2	
Alfetta	1962CC (2.0L) DOHC	1975-1977	1	Milano	2959CC (3.0L) SOHC	1988-1989	2	
Berlina	1779CC (1.8L) 105.41	1969-1971	1	Quadrifoglio	1962CC (2.0L) DOHC	1986-1990	1	
Berlina	1962CC (2.0L) DOHC	1972-1974	1	Spider Veloce	1962CC (2.0L) DOHC	1972-1994	1	
GT Veloce	1962CC (2.0L) DOHC	1972-1974	1	Sport Sedan	1962CC (2.0L) DOHC	1978-1979	1	
GTV-6	2492CC (2.5L) SOHC	1981-1986	2	Sprint Veloce	1962CC (2.0L) DOHC	1977-1979	1	
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1570CC (1.6L) 4 Cyl (1972-1976)			3.071in./78mm x 3.228in./82mm				1
	1779CC (1.8L) 105.41 4 Cyl (1969-1971)			3.150in./80mm x 3.465in./88mm				
	1962CC (2.0L) DOHC 4 Cyl (1972-1994)			3.307in./84mm x 3.465in./88mm				
Rod Bearing(4)	TM-77	CB-1190P	STD,10	1.9680/1.9685	0.0008/0.0029	0.0723	2.1139/2.1145	0.9230
Main Bearing Set	TM-77	MS-720P	STD,10,20					
1-3-5		MB-2241P		2.3606/2.3611	0.0008/0.0030	0.0723	2.5062/2.5069	1.0050
2-4		MB-2242P		2.3606/2.3611	0.0008/0.0030	0.0723	2.5062/2.5069	0.7230
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-100S								
Thrust Washer Set		TW-100S	STD					
		MB-1731W(L)		2.5900/2.6000			3.2442/3.2444	0.0920
		MB-1731W(U)		2.5900/2.6000			3.2442/3.2444	0.0920
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-720P								
Connecting Rod	37 Lbs.Ft. (1987-1988,)							
Main Bearing	35 Lbs.Ft.							
6 CYL								
2	2492CC (2.5L) SOHC V6 Cyl (1981-1989)			3.465in./88mm x 2.677in./68mm				2
	2959CC (3.0L) DOHC V6 Cyl (1993-1995)			3.661in./93mm x 2.874in./73mm				
	2959CC (3.0L) SOHC V6 Cyl (1988-1993)			3.661in./93mm x 2.874in./73mm				
Rod Bearing(6)	AL-3	CB-1201AL	STD,10	2.0465/2.0472	0.0005/0.0025	0.0689	2.1855/2.1860	0.7520
NOTE: All Except 1990 2959cc (3.0L) SOHC								
Connecting Rod	36 Lbs.Ft.							
Main Bearing	58 Lbs.Ft.							
ALLIS-CHALMERS								
ENGINE DATA								
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block			
2 CYL			4 CYL (Cont.)					
2-71 Detroit Diesel 142 CID (2.3L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	1	4BD153 Buda 153 CID (2.5L) Diesel	3.438in./87.33mmX4.125in./104.8mm	7			
			4D153 Buda 153 CID (2.5L) Diesel	3.438in./87.33mmX4.125in./104.8mm	7			
			4D175 Buda 175 CID (2.9L) Diesel	3.563in./90.5mmX4.375in./111.1mm	8			
			4DA153 Buda 153 CID (2.5L) Diesel	3.438in./87.33mmX4.125in./104.8mm	7			
3-71 Detroit Diesel 213 CID (3.5L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	3	4DA175 Buda 175 CID (2.9L) Diesel	3.563in./90.5mmX4.375in./111.1mm	8			
AD3-152 Perkins 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	2	4G139 Allis Chalmers 139 CID (2.3L)	3.375in./85.7mmX3.875in./98.4mm	6			
			4G153 Buda 153 CID (2.5L)	3.438in./87.33mmX4.125in./104.8mm	7			
			433 Allis Chalmers 200 CID (3.3L) Diesel	3.875in./98.4mmX4.250in./108mm	9			
			433T Allis Chalmers 200 CID (3.3L) Diesel Turbocharged	3.875in./98.4mmX4.250in./108mm	10			
4-71 Detroit Diesel 284 CID (4.7L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	13	6000 Allis Chalmers 344 CID (5.6L) Diesel	4.438in./112.7mmX5.563in./141.3mm	14			
4B153 Buda 153 CID (2.5L)	3.438in./87.33mmX4.125in./104.8mm	7						
4B182 Buda 182 CID (3.0L)	3.750in./95.3mmX4.125in./104.8mm	7						

ALLIS-CHALMERS (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL (Cont.)			6 CYL (Cont.)		
6000 MKII Allis Chalmers 344 CID (5.6L) Diesel	4.438in./112.7mmX5.563in./141.3mm	14	6138T Allis Chalmers 844 CID (13.8L) Diesel Turbocharged	5.250in./133.4mmX6.500in./165.1mm	23
7000 Allis Chalmers 344 CID (5.6L) Diesel	4.438in./112.7mmX5.563in./141.3mm	14	10000 Allis Chalmers 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	22
7000 MKII Allis Chalmers 344 CID (5.6L) Diesel	4.438in./112.7mmX5.563in./141.3mm	14	10000 MKII Allis Chalmers 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	22
B125 Allis Chalmers 125 CID (2.0L)	3.375in./85.7mmX3.500in./88.9mm	5	11000 Allis Chalmers 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	22
BE Allis Chalmers 116 CID (1.9L)	3.250in./82.6mmX3.500in./88.9mm	5	11000 MKII Allis Chalmers 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	22
CE Allis Chalmers 125 CID (2.0L)	3.375in./85.7mmX3.500in./88.9mm	5	16000 Allis Chalmers 844 CID (13.8L) Diesel	5.250in./133.4mmX6.500in./165.1mm	24
D153 Allis Chalmers 153 CID (2.5L) Diesel	3.438in./87.33mmX4.125in./104.8mm	7	16000H Allis Chalmers 844 CID (13.8L) Diesel	5.250in./133.4mmX6.500in./165.1mm	23
D2200 Allis Chalmers 200 CID (3.3L) Diesel	3.875in./98.4mmX4.250in./108mm	9	17000MKII Allis Chalmers 844 CID (13.8L) Diesel	5.250in./133.4mmX6.500in./165.1mm	23
DA153 Allis Chalmers 153 CID (2.5L) Diesel	3.438in./87.33mmX4.125in./104.8mm	7	19000 Allis Chalmers 779 CID (12.8L)	5.250in./133.4mmX6.000in./152.4mm	23
G138 Allis Chalmers 138 CID (2.3L)	3.375in./85.7mmX3.875in./98.4mm	6	21000 Allis Chalmers 844 CID (13.8L) Diesel	5.250in./133.4mmX6.500in./165.1mm	24
G138 Allis Chalmers 138 CID (2.3L) CNG	3.375in./85.7mmX3.875in./98.4mm	6	21000H Allis Chalmers 844 CID (13.8L) Diesel	5.250in./133.4mmX6.500in./165.1mm	24
G149 Allis Chalmers 149 CID (2.4L)	3.500in./88.9mmX3.875in./98.4mm	6	21000MKII Allis Chalmers 844 CID (13.8L) Diesel	5.250in./133.4mmX6.500in./165.1mm	23
G153 Buda 153 CID (2.5L)	3.438in./87.33mmX4.125in./104.8mm	7	25000 Allis Chalmers 844 CID (13.8L) Diesel Turbocharged	5.250in./133.4mmX6.500in./165.1mm	24
G160 Allis Chalmers 160 CID (2.6L)	3.625in./92.1mmX3.875in./98.4mm	6	25000MKII Allis Chalmers 844 CID (13.8L) Diesel	5.250in./133.4mmX6.500in./165.1mm	23
G201 Allis Chalmers 201 CID (3.3L)	4.000in./101.6mmX4.000in./101.6mm	11	ADS516 Buda 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	22
G201 Allis Chalmers 201 CID (3.3L) Dist	4.000in./101.6mmX4.000in./101.6mm	11	D230 Buda 230 CID (3.8L) Diesel	3.438in./87.33mmX4.125in./104.8mm	15
G226 Allis Chalmers 226 CID (3.7L)	4.000in./101.6mmX4.500in./114.3mm	12	D262 Buda 262 CID (4.3L) Diesel	3.562in./90.5mmX4.375in./111.1mm	15
G226 Allis Chalmers 226 CID (3.7L) LPG	4.000in./101.6mmX4.500in./114.3mm	12	D2800 Allis Chalmers 301 CID (4.9L) Diesel	3.875in./98.4mmX4.250in./108mm	17
G2200 Allis Chalmers 200 CID (3.3L)	3.875in./98.4mmX4.250in./108mm	9	D2900 Allis Chalmers 301 CID (4.9L) Diesel	3.875in./98.4mmX4.250in./108mm	17
HD344 Buda 344 CID (5.6L) Diesel	4.438in./112.7mmX5.563in./141.3mm	14	D2900 Allis Chalmers 301 CID (4.9L) Diesel Turbocharged	3.875in./98.4mmX4.250in./108mm	18
VH4D Wisconsin 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	4	D3400 Allis Chalmers 426 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	21
6 CYL			D3400 MKII Allis Chalmers 426 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	21
6-71 Detroit Diesel 426 CID (7.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	20	D3500 Allis Chalmers 426 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	21
6-85I Allis Chalmers 516 CID (8.5L) Diesel Turbocharged/Intercooled	4.438in./112.7mmX5.563in./141.3mm	22	D3500 MKII Allis Chalmers 426 CID (7.0L) Diesel Turbocharged	4.250in./108mmX5.000in./127mm	21
6B230 Buda 230 CID (3.8L)	3.438in./87.33mmX4.125in./104.8mm	15	D3700 MKII Allis Chalmers 426 CID (7.0L) Diesel Turbocharged	4.250in./108mmX5.000in./127mm	21
6B230 Buda 230 CID (3.8L) LPG	3.438in./87.33mmX4.125in./104.8mm	15	D3750 MKII Allis Chalmers 426 CID (7.0L) Diesel Turbocharged	4.250in./108mmX5.000in./127mm	21
6B262 Buda 262 CID (4.3L) Flex	3.562in./90.5mmX4.375in./111.1mm	15	DA230 Buda 230 CID (3.8L) Diesel	3.438in./87.33mmX4.125in./104.8mm	15
6BD230 Buda 230 CID (3.8L) Diesel	3.438in./87.33mmX4.125in./104.8mm	15	DA262 Buda 262 CID (4.3L) Diesel	3.562in./90.5mmX4.375in./111.1mm	15
6D230 Buda 230 CID (3.8L) Diesel	3.438in./87.33mmX4.125in./104.8mm	15	G230 Buda 230 CID (3.8L)	3.438in./87.33mmX4.125in./104.8mm	15
6D262 Buda 262 CID (4.3L) Diesel	3.562in./90.5mmX4.375in./111.1mm	15	G262 Allis Chalmers 262 CID (4.3L)	3.562in./90.5mmX4.375in./111.1mm	15
6D262T Buda 262 CID (4.3L) Diesel Turbocharged	3.562in./90.5mmX4.375in./111.1mm	15	G273 Allis Chalmers 273 CID (4.5L)	3.750in./95.3mmX4.125in./104.8mm	15
6D273 Buda 273 CID (4.5L) Diesel	3.750in./95.3mmX4.125in./104.8mm	15	G2500 Allis Chalmers 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	17
6D1516 Buda 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	22	G2800 Allis Chalmers 301 CID (4.9L)	3.875in./98.4mmX4.250in./108mm	17
6DA230 Buda 230 CID (3.8L) Diesel	3.438in./87.33mmX4.125in./104.8mm	15	G2900 Allis Chalmers 301 CID (4.9L)	3.875in./98.4mmX4.250in./108mm	17
6G262 Buda 262 CID (4.3L)	3.562in./90.5mmX4.375in./111.1mm	15	GO339 Hercules 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	19
649 Allis Chalmers 301 CID (4.9L) Diesel	3.875in./98.4mmX4.250in./108mm	17	HD516 Buda 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	22
649T Allis Chalmers 301 CID (4.9L) Diesel Turbocharged	3.875in./98.4mmX4.250in./108mm	18	HD844 Allis Chalmers 844 CID (13.8L) Diesel	5.250in./133.4mmX6.500in./165.1mm	25
670 MKII Allis Chalmers 426 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	21	QXLD Hercules 237 CID (3.9L)	3.438in./87.33mmX4.250in./108mm	16
670I MKII Allis Chalmers 426 CID (7.0L) Diesel Turbocharged/Intercooled	4.250in./108mmX5.000in./127mm	21	8 CYL		
670T MKII Allis Chalmers 426 CID (7.0L) Diesel Turbocharged	4.250in./108mmX5.000in./127mm	21	V555 Cummins 555 CID (9.1L) Diesel	4.625in./117.5mmX4.125in./104.8mm	26
685T Allis Chalmers 516 CID (8.5L) Diesel Turbocharged	4.438in./112.7mmX5.563in./141.3mm	22			
2900 Allis Chalmers 301 CID (4.9L) Diesel	3.875in./98.4mmX4.250in./108mm	17			
6138-I Allis Chalmers 844 CID (13.8L) Diesel Turbocharged/Intercooled	5.250in./133.4mmX6.500in./165.1mm	23			
6138LT Allis Chalmers 844 CID (13.8L) Diesel	5.250in./133.4mmX6.500in./165.1mm	23			

ALLIS-CHALMERS (Cont.)

MODEL DATA

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
1B Base Model	Wheel Tractor	125 CID (2.0L) CE Allis Chalmers	5	160 Base Model	Wheel Tractor	516 CID (8.5L) 11000 Allis Chalmers Diesel	22
2A Base Model	Harvester	230 CID (3.8L) 6B230 Buda	15	160D Base Model	Wheel Tractor	152 CID (2.5L) AD3-152 Perkins Diesel	2
2A Base Model	Harvester	237 CID (3.9L) QXLD Hercules	16	160D Base Model	Crawler	175 CID (2.9L) 4D175 Buda Diesel	8
3A Base Model	Harvester	230 CID (3.8L) 6B230 Buda	15	170 Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12
3A Base Model	Harvester	237 CID (3.9L) QXLD Hercules	16	170 Base Model	Wheel Tractor	344 CID (5.6L) 6000 Allis Chalmers Diesel	14
3E Base Model	Harvester	230 CID (3.8L) 6B230 Buda	15	170G Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12
3E Base Model	Harvester	237 CID (3.9L) QXLD Hercules	16	175 Base Model	Wheel Tractor	200 CID (3.3L) D2200 Allis Chalmers Diesel	9
4C Base Model	Harvester	262 CID (4.3L) 6G262 Buda	15	175 Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12
4W-220 Base Model	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	180 Base Model	Wheel Tractor	265 CID (4.3L) G2500 Allis Chalmers	17
6G Base Model	Wheel Tractor	344 CID (5.6L) 6000 Allis Chalmers Diesel	14	180 Base Model	Wheel Tractor	301 CID (4.9L) G2900 Allis Chalmers	17
7GB Base Model	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	185 Base Model	Wheel Tractor	265 CID (4.3L) G2500 Allis Chalmers	17
10 Std. Base Model	Baler	149 CID (2.4L) G149 Allis Chalmers	6	185 Base Model	Wheel Tractor	301 CID (4.9L) G2900 Allis Chalmers	17
45 Base Model	Industrial	516 CID (8.5L) ADS516 Buda Diesel	22	185D Base Model	Wheel Tractor	301 CID (4.9L) D2900 Allis Chalmers Diesel	17
50 Base Model	Harvester	149 CID (2.4L) G149 Allis Chalmers	6	190 Base Model	Wheel Tractor	265 CID (4.3L) G2500 Allis Chalmers	17
60 Base Model	Combine	125 CID (2.0L) B125 Allis Chalmers	5	190 Base Model	Wheel Tractor	301 CID (4.9L) G2900 Allis Chalmers	17
60H Base Model	Combine	125 CID (2.0L) CE Allis Chalmers	5	190XT III	Wheel Tractor	301 CID (4.9L) G2900 Allis Chalmers	17
65 Base Model	Industrial	262 CID (4.3L) DA262 Buda Diesel	15	200 Base Model	Wheel Tractor	301 CID (4.9L) G2900 Allis Chalmers	17
66 Base Model	Combine	116 CID (1.9L) BE Allis Chalmers	5	200C Base Model	Grader	516 CID (8.5L) 10000 Allis Chalmers Diesel	22
66 Base Model	Combine	125 CID (2.0L) B125 Allis Chalmers	5	200D Base Model	Wheel Tractor	301 CID (4.9L) D2900 Allis Chalmers Diesel	18
66 Base Model	Combine	149 CID (2.4L) G149 Allis Chalmers	6	210 Base Model	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21
72 Base Model	Combine	138 CID (2.3L) G138 Allis Chalmers	6	220 Base Model	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21
72 Base Model	Combine	139 CID (2.3L) 4G139 Allis Chalmers	6	260A Base Model	Scraper	844 CID (13.8L) 21000 Allis Chalmers Diesel	24
72 Base Model	Combine	149 CID (2.4L) G149 Allis Chalmers	6	260B Base Model	Wheel Tractor	844 CID (13.8L) 17000MKII Allis Chalmers Diesel	23
90 Base Model	Combine	149 CID (2.4L) G149 Allis Chalmers	6	260D Base Model	Wheel Tractor	844 CID (13.8L) 21000 Allis Chalmers Diesel	24
100 Base Model	Combine	201 CID (3.3L) G201 Allis Chalmers	11	260E Base Model	Scraper	844 CID (13.8L) 21000 Allis Chalmers Diesel	24
100C Base Model	Grader	516 CID (8.5L) 10000 Allis Chalmers Diesel	22	260P Base Model	Wheel Tractor	844 CID (13.8L) 21000 Allis Chalmers Diesel	24
100SP Base Model	Combine	201 CID (3.3L) G201 Allis Chalmers	11	261B Base Model	Wheel Tractor	844 CID (13.8L) 17000MKII Allis Chalmers Diesel	23
140 Base Model	Industrial	149 CID (2.4L) G149 Allis Chalmers	6	262B Base Model	Scraper	844 CID (13.8L) 21000MKII Allis Chalmers Diesel	23
145 Base Model	Grader	344 CID (5.6L) 7000 Allis Chalmers Diesel	14	263B Base Model	Scraper	844 CID (13.8L) 21000MKII Allis Chalmers Diesel	23
145 Base Model	Grader	516 CID (8.5L) 10000 Allis Chalmers Diesel	22	303 Base Model	Baler	108 CID (1.8L) VH4D Wisconsin	4
145T Base Model	Grader	344 CID (5.6L) 7000 Allis Chalmers Diesel	14	303 Base Model	Baler	149 CID (2.4L) G149 Allis Chalmers	6
150C Base Model	Grader	516 CID (8.5L) 10000 Allis Chalmers Diesel	22	440 Base Model	Wheel Tractor	555 CID (9.1L) V555 Cummins Diesel	26
160 Base Model	Industrial Tractor	160 CID (2.6L) G160 Allis Chalmers	6	460B Base Model	Scraper	844 CID (13.8L) 25000 Allis Chalmers Diesel	24
160 Base Model	Industrial Tractor	175 CID (2.9L) 4D175 Buda Diesel	8				
160 Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12				

ALLIS-CHALMERS (Cont.)

MODEL DATA (Cont.)							
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
460C Base Model	Scraper	844 CID (13.8L) 25000 Allis Chalmers Diesel	24	7085 Base Model	Wheel Tractor	426 CID (7.0L) D3750 MKII Allis Chalmers Diesel	21
500 Base Model	Cotton Picker	175 CID (2.9L) 4D175 Buda Diesel	8	7580 Base Model	Wheel Tractor	426 CID (7.0L) D3750 MKII Allis Chalmers Diesel	21
500 Base Model	Cotton Picker	226 CID (3.7L) G226 Allis Chalmers	12	8010 PS	Wheel Tractor	301 CID (4.9L) D2800 Allis Chalmers Diesel	17
545 Base Model	Grader	301 CID (4.9L) G2800 Allis Chalmers	17	8030 PS	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21
555 Base Model	Grader	844 CID (13.8L) HD844 Allis Chalmers Diesel	25	8050 PS	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21
562C Base Model	Wheel Tractor	844 CID (13.8L) HD844 Allis Chalmers Diesel	25	8070 PS	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21
616 Base Model	Picker	226 CID (3.7L) G226 Allis Chalmers	12	Base Model	Industrial	175 CID (2.9L) 4DA175 Buda Diesel	8
616 Base Model	Picker	262 CID (4.3L) 6G262 Buda	15	Base Model	Industrial	200 CID (3.3L) 433T Allis Chalmers Diesel	10
622 Base Model	Picker	226 CID (3.7L) G226 Allis Chalmers	12	Base Model	Industrial	426 CID (7.0L) D3700 MKII Allis Chalmers Diesel	21
622 Base Model	Picker	262 CID (4.3L) 6G262 Buda	15	Base Model	Industrial	516 CID (8.5L) 6D1516 Buda Diesel	22
645 Base Model	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	Base Model	Industrial	779 CID (12.8L) 19000 Allis Chalmers	23
715 C	Backhoe	200 CID (3.3L) 433T Allis Chalmers Diesel	10	Base Model	Industrial	844 CID (13.8L) 6138T Allis Chalmers Diesel	23
745 Base Model	Wheel Tractor	516 CID (8.5L) 11000 Allis Chalmers Diesel	22	A11 Base Model	Combine	230 CID (3.8L) 6B230 Buda	15
801 Base Model	Picker	226 CID (3.7L) G226 Allis Chalmers	12	A11 Base Model	Combine	237 CID (3.9L) QXLD Hercules	16
801 Base Model	Picker	262 CID (4.3L) 6G262 Buda	15	A Base Model	Cotton Picker	175 CID (2.9L) 4D175 Buda Diesel	8
802 Base Model	Picker	226 CID (3.7L) G226 Allis Chalmers	12	A Base Model	Cotton Picker	230 CID (3.8L) G230 Buda	15
802 Base Model	Picker	262 CID (4.3L) 6G262 Buda	15	A Base Model	Cotton Picker	237 CID (3.9L) QXLD Hercules	16
840 B	Backhoe	301 CID (4.9L) G2800 Allis Chalmers	17	A Base Model	Combine	262 CID (4.3L) DA262 Buda Diesel	15
860 Base Model	Harvester	301 CID (4.9L) G2800 Allis Chalmers	17	AC Base Model	Harvester	125 CID (2.0L) B125 Allis Chalmers	5
940 Base Model	Backhoe	301 CID (4.9L) G2900 Allis Chalmers	17	AH Base Model	Combine	230 CID (3.8L) G230 Buda	15
1400 Base Model	Industrial Tractor	149 CID (2.4L) G149 Allis Chalmers	6	AH Base Model	Combine	237 CID (3.9L) QXLD Hercules	16
1600 Base Model	Wheel Tractor	160 CID (2.6L) G160 Allis Chalmers	6	AH Base Model	Combine	262 CID (4.3L) D262 Buda Diesel	15
1600 Base Model	Industrial Tractor	175 CID (2.9L) 4D175 Buda Diesel	8	AT40 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7
2200 Base Model	Wheel Tractor	200 CID (3.3L) D2200 Allis Chalmers Diesel	9	AT40 Base Model	Fork Lift	175 CID (2.9L) 4DA175 Buda Diesel	8
6060 Base Model	Wheel Tractor	200 CID (3.3L) D2200 Allis Chalmers Diesel	9	AT60 Base Model	Fork Lift	262 CID (4.3L) 6G262 Buda	15
6070 Base Model	Wheel Tractor	200 CID (3.3L) 433T Allis Chalmers Diesel	10	AT70 Base Model	Fork Lift	262 CID (4.3L) 6G262 Buda	15
6080 Base Model	Wheel Tractor	200 CID (3.3L) D2200 Allis Chalmers Diesel	9	AT80 Base Model	Fork Lift	262 CID (4.3L) 6G262 Buda	15
7000 Base Model	Wheel Tractor	301 CID (4.9L) G2900 Allis Chalmers	17	AT100 Base Model	Fork Lift	262 CID (4.3L) 6G262 Buda	15
7010 PS	Wheel Tractor	301 CID (4.9L) G2900 Allis Chalmers	17	AT120 Base Model	Fork Lift	262 CID (4.3L) 6G262 Buda	15
7030 Base Model	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	ATM60 Base Model	Fork Lift	262 CID (4.3L) 6G262 Buda	15
7040 PS	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	ATM70 Base Model	Fork Lift	262 CID (4.3L) 6G262 Buda	15
7045 PS	Wheel Tractor	426 CID (7.0L) D3700 MKII Allis Chalmers Diesel	21	AY80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
7050 Base Model	Wheel Tractor	426 CID (7.0L) D3700 MKII Allis Chalmers Diesel	21	AY100 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
7060 PS	Wheel Tractor	426 CID (7.0L) D3700 MKII Allis Chalmers Diesel	21	AY120 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
7080 Base Model	Wheel Tractor	426 CID (7.0L) D3750 MKII Allis Chalmers Diesel	21	B15 Base Model	Industrial	125 CID (2.0L) B125 Allis Chalmers	5

ALLIS-CHALMERS (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
B125 Base Model	Power Unit	125 CID (2.0L) B125 Allis Chalmers	5	D21 D	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21
B Base Model	Wheel Tractor	116 CID (1.9L) BE Allis Chalmers	5	D30 Base Model	Grader	516 CID (8.5L) 11000 Allis Chalmers Diesel	22
B Base Model	Wheel Tractor	125 CID (2.0L) CE Allis Chalmers	5	D40 Base Model	Wheel Tractor	844 CID (13.8L) 21000H Allis Chalmers Diesel	24
B Base Model	Combine	230 CID (3.8L) G230 Buda	15	D344 Base Model	Power Unit	344 CID (5.6L) 6000 Allis Chalmers Diesel	14
B Base Model	Combine	237 CID (3.9L) QXLD Hercules	16	D Base Model	Grader	153 CID (2.5L) DA153 Allis Chalmers Diesel	7
B Base Model	Combine	262 CID (4.3L) DA262 Buda Diesel	15	D Base Model	Grader	226 CID (3.7L) G226 Allis Chalmers	12
C11 Base Model	Combine	262 CID (4.3L) 6G262 Buda	15	D Base Model	Grader	230 CID (3.8L) G230 Buda	15
C Base Model	Wheel Tractor	125 CID (2.0L) CE Allis Chalmers	5	D Base Model	Grader	262 CID (4.3L) 6G262 Buda	15
C Base Model	Combine	262 CID (4.3L) 6G262 Buda	15	D Base Model	Grader	273 CID (4.5L) G273 Allis Chalmers	15
CA Base Model	Wheel Tractor	125 CID (2.0L) CE Allis Chalmers	5	DD Base Model	Grader	262 CID (4.3L) 6G262 Buda	15
CB Base Model	Wheel Tractor	116 CID (1.9L) BE Allis Chalmers	5	DG Base Model	Grader	226 CID (3.7L) G226 Allis Chalmers	12
CE Base Model	Wheel Tractor	116 CID (1.9L) BE Allis Chalmers	5	E Base Model	Combine	226 CID (3.7L) G226 Allis Chalmers	12
CH Base Model	Harvester	262 CID (4.3L) 6G262 Buda	15	F2 Base Model	Combine	200 CID (3.3L) 433 Allis Chalmers Diesel	9
CR Base Model	Harvester	262 CID (4.3L) D262 Buda Diesel	15	F3 Base Model	Combine	200 CID (3.3L) D2200 Allis Chalmers Diesel	9
D10 Series 1 Base Model	Wheel Tractor	138 CID (2.3L) G138 Allis Chalmers	6	F30 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7
D10 Series 1 Base Model	Wheel Tractor	139 CID (2.3L) 4G139 Allis Chalmers	6	F30 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8
D10 Series II Base Model	Wheel Tractor	149 CID (2.4L) G149 Allis Chalmers	6	F40 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7
D10 Series III Base Model	Wheel Tractor	149 CID (2.4L) G149 Allis Chalmers	6	F40 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8
D12 Series 1 Base Model	Wheel Tractor	138 CID (2.3L) G138 Allis Chalmers	6	F50 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7
D12 Series 1 Base Model	Wheel Tractor	139 CID (2.3L) 4G139 Allis Chalmers	6	F50 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8
D12 Series II Base Model	Wheel Tractor	149 CID (2.4L) G149 Allis Chalmers	6	F60 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
D12 Series III Base Model	Wheel Tractor	149 CID (2.4L) G149 Allis Chalmers	6	F60 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
D14 Base Model	Wheel Tractor	139 CID (2.3L) 4G139 Allis Chalmers	6	F70 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
D14 Base Model	Power Unit	149 CID (2.4L) G149 Allis Chalmers	6	F70 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
D15 Base Model	Wheel Tractor	138 CID (2.3L) G138 Allis Chalmers	6	F80 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
D15 Base Model	Wheel Tractor	139 CID (2.3L) 4G139 Allis Chalmers	6	F80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
D15 Base Model	Power Unit	149 CID (2.4L) G149 Allis Chalmers	6	F100 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
D15 Ser II Base Model	Wheel Tractor	160 CID (2.6L) G160 Allis Chalmers	6	F100 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
D15D Base Model	Wheel Tractor	175 CID (2.9L) 4D175 Buda Diesel	8	F120 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
D17 Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12	F120 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
D17 Base Model	Wheel Tractor	230 CID (3.8L) 6BD230 Buda Diesel	15	F Base Model	Combine	262 CID (4.3L) G262 Allis Chalmers	15
D17D Base Model	Wheel Tractor	262 CID (4.3L) DA262 Buda Diesel	15	F Base Model	Combine	301 CID (4.9L) D2800 Allis Chalmers Diesel	17
D17D Ser IV Base Model	Wheel Tractor	262 CID (4.3L) DA262 Buda Diesel	15	FD30 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7
D19 Base Model	Wheel Tractor	262 CID (4.3L) 6G262 Buda	15	FD30 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8
D19D Base Model	Wheel Tractor	262 CID (4.3L) 6D262 Buda Diesel	15	FD40 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7

ALLIS-CHALMERS (Cont.)

MODEL DATA (Cont.)							
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
FD40 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8	FP50 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7
FD50 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7	FP50 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8
FD50 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8	FP60 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
FD60 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15	FP60 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FD60 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FP70 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
FD70 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15	FP70 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FD70 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FP80 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
FD80 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15	FP80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FD80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FPD40 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8
FD100 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15	FPD50 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8
FD100 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FPD60 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FD120 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15	FPD70 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FD120 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FPD80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FDX30 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8	FPDX40 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8
FDX40 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8	FPDX50 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8
FDX50 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8	FPDX70 Base Model	Fork Lift	262 CID (4.3L) D262 Buda Diesel	15
FDX60 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15	FPL40 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7
FDX60 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FPL50 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7
FDX70 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FPL60 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
FDX80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FPL70 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
FDX100 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FPL80 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
FDX120 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FS60 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FL30 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7	FS70 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FL40 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7	FS80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FL50 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7	FSD60 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FL60 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FSD70 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FL70 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FSD80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FL80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FSL60 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FL100 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FSL70 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FL120 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FSL80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FL200 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FST60 Base Model	Fork Lift	262 CID (4.3L) 6D262T Buda Diesel	15
FLT50 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7	FST70 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FP30 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8	FST80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FP40 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7	FT30 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FP40 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8	FT30-15 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7

ALLIS-CHALMERS (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
FT30-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	FTDX30 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7
FT40 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	FTDX40 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7
FT40-18 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	FTDX60 Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15
FT40-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	FTDX70 Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15
FT50 Base Model	Fork Lift	182 CID (3.0L) 4B182 Buda	7	FTDX75 Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15
FT50-24 Base Model	Fork Lift	182 CID (3.0L) 4B182 Buda	7	FTDX80 Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15
FT60 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	FTDXB50 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FT60-24 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	FTL30 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FT70 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	FTL30-15 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FT70-24 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	FTL30-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FT75-24 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	FTL40 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FT80 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	FTL40-18 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FT80-24 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	FTL40-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FT100 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	FTL50 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7
FT100-24 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	FTL50-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FTB50-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	FTL60 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTBD50-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	FTL60-24 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTBL50-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	FTL70 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTD30 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	FTL70-24 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTD30-15 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	FTL75 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTD30-24 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	FTL80 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTD40 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	FTL80-24 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTD40-18 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	FTL100 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTD40-24 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	FTLB50 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FTD50 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	FTP30 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FTD50-24 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	FTP30-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FTD60 Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15	FTP40 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FTD60-24 Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15	FTP40-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FTD70 Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15	FTP60 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTD70-24 Base Model	Fork Lift	230 CID (3.8L) 6DA230 Buda Diesel	15	FTP60-24 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTD75-24C Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15	FTPD30 Base Model	Fork Lift	153 CID (2.5L) 4D153 Buda Diesel	7
FTD80 Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15	FTPD30-24 Base Model	Fork Lift	153 CID (2.5L) 4DA153 Buda Diesel	7
FTD80-24 Base Model	Fork Lift	230 CID (3.8L) 6DA230 Buda Diesel	15	FTPD40 Base Model	Fork Lift	153 CID (2.5L) 4D153 Buda Diesel	7
FTD100 Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15	FTPD60 Base Model	Fork Lift	230 CID (3.8L) 6DA230 Buda Diesel	15
FTDB50 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	FTPD60-24 Base Model	Fork Lift	230 CID (3.8L) 6DA230 Buda Diesel	15

ALLIS-CHALMERS (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
FTPD Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15	HD10 Base Model	Crawler	284 CID (4.7L) 4-71 Detroit Diesel Diesel	13
FTPDX60 Base Model	Fork Lift	230 CID (3.8L) 6DA230 Buda Diesel	15	HD10W Base Model	Crawler	284 CID (4.7L) 4-71 Detroit Diesel Diesel	13
FTPL30 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	HD11 Base Model	Crawler	516 CID (8.5L) HD516 Buda Diesel	22
FTPL30-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	HD11B Base Model	Crawler	516 CID (8.5L) 685T Allis Chalmers Diesel	22
FTPL40 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	HD11E Base Model	Crawler	516 CID (8.5L) 685T Allis Chalmers Diesel	22
FTPL60 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	HD11EC Base Model	Crawler	516 CID (8.5L) 685T Allis Chalmers Diesel	22
FTPL60-24 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	HD11P Base Model	Crawler	516 CID (8.5L) 685T Allis Chalmers Diesel	22
G149 Base Model	Power Unit	149 CID (2.4L) G149 Allis Chalmers	6	HD12G Base Model	Crawler	516 CID (8.5L) 11000 Allis Chalmers Diesel	22
G Base Model	Combine	301 CID (4.9L) G2900 Allis Chalmers	17	HD12GB Base Model	Crawler	516 CID (8.5L) 10000 Allis Chalmers Diesel	22
H3 Base Model	Crawler	149 CID (2.4L) G149 Allis Chalmers	6	HD14 Base Model	Crawler	426 CID (7.0L) 6-71 Detroit Diesel Diesel	20
H4 Base Model	Wheel Tractor	200 CID (3.3L) G2200 Allis Chalmers	9	HD14C Base Model	Crawler	426 CID (7.0L) 6-71 Detroit Diesel Diesel	20
HA75 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	HD15 Base Model	Crawler	426 CID (7.0L) 6-71 Detroit Diesel Diesel	20
HA90 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	HD16 Series	Wheel Tractor	844 CID (13.8L) HD844 Allis Chalmers Diesel	25
HA120 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	HD16A Base Model	Crawler	844 CID (13.8L) 21000 Allis Chalmers Diesel	24
HB75 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	HD16AC Base Model	Crawler	844 CID (13.8L) 21000 Allis Chalmers Diesel	24
HB90 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	HD16B Base Model	Crawler	844 CID (13.8L) 21000H Allis Chalmers Diesel	24
HB120 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	HD16D Base Model	Crawler	844 CID (13.8L) 21000H Allis Chalmers Diesel	24
HD3 Base Model	Wheel Tractor	153 CID (2.5L) 4G153 Buda	7	HD16DC Base Model	Crawler	844 CID (13.8L) 21000H Allis Chalmers Diesel	24
HD3 Base Model	Crawler	175 CID (2.9L) 4D175 Buda Diesel	8	HD16DP Base Model	Crawler	844 CID (13.8L) 21000H Allis Chalmers Diesel	24
HD4 Base Model	Crawler	200 CID (3.3L) D2200 Allis Chalmers Diesel	9	HD16FC Base Model	Crawler	844 CID (13.8L) 21000 Allis Chalmers Diesel	24
HD5 Base Model	Crawler	142 CID (2.3L) 2-71 Detroit Diesel Diesel	1	HD16GC Base Model	Crawler	844 CID (13.8L) 21000 Allis Chalmers Diesel	24
HD6 Base Model	Crawler	344 CID (5.6L) HD344 Buda Diesel	14	HD19 Base Model	Crawler	426 CID (7.0L) 6-71 Detroit Diesel Diesel	20
HD6A Base Model	Crawler	344 CID (5.6L) 7000 MKII Allis Chalmers Diesel	14	HD19H Base Model	Crawler	426 CID (7.0L) 6-71 Detroit Diesel Diesel	20
HD6B Base Model	Crawler	344 CID (5.6L) 7000 MKII Allis Chalmers Diesel	14	HD21 Base Model	Crawler	844 CID (13.8L) HD844 Allis Chalmers Diesel	25
HD6E Base Model	Crawler	344 CID (5.6L) 7000 MKII Allis Chalmers Diesel	14	HD21A Base Model	Crawler	844 CID (13.8L) 21000 Allis Chalmers Diesel	24
HD6EP Base Model	Crawler	344 CID (5.6L) 7000 MKII Allis Chalmers Diesel	14	HD21F Base Model	Crawler	844 CID (13.8L) 21000 Allis Chalmers Diesel	24
HD6G Base Model	Crawler	344 CID (5.6L) 7000 Allis Chalmers Diesel	14	HD21G Base Model	Crawler	844 CID (13.8L) 21000 Allis Chalmers Diesel	24
HD6LTS Base Model	Crawler	344 CID (5.6L) 7000 Allis Chalmers Diesel	14	HD21P Base Model	Crawler	844 CID (13.8L) 25000 Allis Chalmers Diesel	24
HD7 Base Model	Crawler	213 CID (3.5L) 3-71 Detroit Diesel Diesel	3	JD230 Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15
HD7 Base Model	Wheel Tractor	344 CID (5.6L) 7000 Allis Chalmers Diesel	14	JD230N Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15
HD7 Base Model	Crawler	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	JD230P Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15
HD7G Base Model	Crawler	344 CID (5.6L) 7000 MKII Allis Chalmers Diesel	14	JD230PLD Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15
HD7G Base Model	Crawler	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	JD230PLS Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15
HD7W Base Model	Crawler	213 CID (3.5L) 3-71 Detroit Diesel Diesel	3	JD230WL Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15
HD9 Base Model	Crawler	284 CID (4.7L) 4-71 Detroit Diesel Diesel	13	JD230WN Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15

ALLIS-CHALMERS (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
JG230 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	RC Base Model	Wheel Tractor	125 CID (2.0L) CE Allis Chalmers	5
JG230N Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	RT40 Base Model	Fork Lift	149 CID (2.4L) G149 Allis Chalmers	6
JG230P Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	Rice Special SP Base Model	Harvester	237 CID (3.9L) QXLD Hercules	16
JG230PLD Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	T16 Base Model	Crawler	344 CID (5.6L) 7000 Allis Chalmers Diesel	14
JG230PLS Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	T160 Base Model	Wheel Tractor	516 CID (8.5L) HD516 Buda Diesel	22
JG230WL Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	T624 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
JG230WN Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	T630 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
K2 Base Model	Combine	200 CID (3.3L) 433T Allis Chalmers Diesel	10	TD24 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7
K Base Model	Combine	200 CID (3.3L) 433T Allis Chalmers Diesel	10	TD30 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7
L2 Base Model	Combine	301 CID (4.9L) 2900 Allis Chalmers Diesel	17	TG24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
L2 Base Model	Combine	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	TG30 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
L3 Base Model	Combine	301 CID (4.9L) G2900 Allis Chalmers	17	TL6 Base Model	Wheel Tractor	116 CID (1.9L) BE Allis Chalmers	5
L5 Base Model	Combine	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	TL10 Base Model	Loader	226 CID (3.7L) G226 Allis Chalmers	12
L Base Model	Combine	301 CID (4.9L) G2900 Allis Chalmers	17	TL10 Base Model	Wheel Tractor	230 CID (3.8L) 6D230 Buda Diesel	15
L Base Model	Combine	426 CID (7.0L) D3400 Allis Chalmers Diesel	21	TL10 Base Model	Loader	262 CID (4.3L) DA262 Buda Diesel	15
M2 Base Model	Combine	301 CID (4.9L) 2900 Allis Chalmers Diesel	17	TL11 Base Model	Loader	226 CID (3.7L) G226 Allis Chalmers	12
M3 Base Model	Combine	301 CID (4.9L) G2900 Allis Chalmers	17	TL11 Base Model	Wheel Tractor	230 CID (3.8L) 6D230 Buda Diesel	15
M60 Base Model	Grader	344 CID (5.6L) 6000 Allis Chalmers Diesel	14	TL11 Base Model	Loader	262 CID (4.3L) DA262 Buda Diesel	15
M65 Base Model	Grader	262 CID (4.3L) DA262 Buda Diesel	15	TL12 Base Model	Loader	226 CID (3.7L) G226 Allis Chalmers	12
M70 Base Model	Grader	344 CID (5.6L) 7000 Allis Chalmers Diesel	14	TL12 Base Model	Loader	262 CID (4.3L) DA262 Buda Diesel	15
M100 Base Model	Grader	516 CID (8.5L) 10000 Allis Chalmers Diesel	22	TL14 Base Model	Wheel Tractor	230 CID (3.8L) 6D230 Buda Diesel	15
M100B Base Model	Grader	516 CID (8.5L) 11000 Allis Chalmers Diesel	22	TL14 Base Model	Loader	262 CID (4.3L) DA262 Buda Diesel	15
M Base Model	Wheel Tractor	301 CID (4.9L) G2900 Allis Chalmers	17	TL14D Base Model	Loader	344 CID (5.6L) 6000 Allis Chalmers Diesel	14
MH2 Base Model	Combine	301 CID (4.9L) G2900 Allis Chalmers	17	TL14DA Base Model	Loader	262 CID (4.3L) DA262 Buda Diesel	15
MH2 Base Model	Combine	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	TL14DA Base Model	Wheel Tractor	273 CID (4.5L) 6D273 Buda Diesel	15
MH3 Base Model	Combine	301 CID (4.9L) G2900 Allis Chalmers	17	TL14DS Base Model	Loader	262 CID (4.3L) DA262 Buda Diesel	15
N5 Base Model	Combine	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	TL16 Base Model	Loader	339 CID (5.6L) GO339 Hercules	19
N6 Base Model	Combine	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	TL16 4 Wheel Drive	Loader	344 CID (5.6L) 7000 Allis Chalmers Diesel	14
N7 Base Model	Combine	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	TL16D Base Model	Loader	344 CID (5.6L) HD344 Buda Diesel	14
NF Base Model	Combine	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	TL20 Base Model	Loader	516 CID (8.5L) HD516 Buda Diesel	22
R5 Base Model	Combine	426 CID (7.0L) 670I MKII Allis Chalmers Diesel	21	TL30 Base Model	Loader	516 CID (8.5L) 685T Allis Chalmers Diesel	22
R6 Base Model	Combine	426 CID (7.0L) 670I MKII Allis Chalmers Diesel	21	TL40 Base Model	Loader	844 CID (13.8L) 25000 Allis Chalmers Diesel	24
R7 Base Model	Combine	516 CID (8.5L) 6-85I Allis Chalmers Diesel	22	TL40D Base Model	Loader	844 CID (13.8L) 21000H Allis Chalmers Diesel	24
R Base Model	Combine	230 CID (3.8L) G230 Buda	15	TL45 Base Model	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21
R Base Model	Combine	262 CID (4.3L) DA262 Buda Diesel	15	TL345B Base Model	Loader	301 CID (4.9L) D2900 Allis Chalmers Diesel	18

ALLIS-CHALMERS (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
TL545 Base Model	Wheel Tractor	301 CID (4.9L) G2800 Allis Chalmers	17	W Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12
TL645 Base Model	Loader	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	W Base Model	Grader	301 CID (4.9L) 649 Allis Chalmers Diesel	17
TL745&H Base Model	Loader	516 CID (8.5L) 10000 Allis Chalmers Diesel	22	WC Base Model	Wheel Tractor	201 CID (3.3L) G201 Allis Chalmers	11
TL745B Base Model	Loader	516 CID (8.5L) 10000 Allis Chalmers Diesel	22	WD45 Base Model	Wheel Tractor	201 CID (3.3L) G201 Allis Chalmers	11
TL745C Base Model	Loader	516 CID (8.5L) 10000 Allis Chalmers Diesel	22	WD45 Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12
TL945B Base Model	Loader	844 CID (13.8L) 6138-I Allis Chalmers Diesel	23	WD45 Base Model	Wheel Tractor	262 CID (4.3L) DA262 Buda Diesel	15
TR160 Base Model	Loader	516 CID (8.5L) 10000 Allis Chalmers Diesel	22	WD45D Base Model	Wheel Tractor	230 CID (3.8L) DA230 Buda Diesel	15
TS260 Base Model	Scraper	844 CID (13.8L) 16000 Allis Chalmers Diesel	24	WD Base Model	Wheel Tractor	201 CID (3.3L) G201 Allis Chalmers	11
TS360 Base Model	Wheel Tractor	844 CID (13.8L) HD844 Allis Chalmers Diesel	25	WD Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12
W25 Base Model	Power Unit	201 CID (3.3L) G201 Allis Chalmers	11	WF Base Model	Wheel Tractor	201 CID (3.3L) G201 Allis Chalmers	11
W25 Base Model	Power Unit	226 CID (3.7L) G226 Allis Chalmers	12	WF Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12
W201 Base Model	Power Unit	201 CID (3.3L) G201 Allis Chalmers	11	WP Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12
W226 Base Model	Power Unit	226 CID (3.7L) G226 Allis Chalmers	12	WSP Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12
W Base Model	Wheel Tractor	201 CID (3.3L) G201 Allis Chalmers	11	WT Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
52813	5.000in./127mm	2	4500141	4.125in./104.8mm	7	5150093	5.000in./127mm	1	31337140	5.000in./127mm	2
207459	3.500in./88.9mm	5	4500141	4.375in./111.1mm	8	5150093	5.000in./127mm	3	31337220	5.000in./127mm	2
4020888	4.250in./108mm	9	4500141	4.125in./104.8mm	15	5150093	5.000in./127mm	13	B-5708	4.125in./104.8mm	7
4020888	4.250in./108mm	10	4500141	4.375in./111.1mm	15	5150093	5.000in./127mm	20	U3988	4.500in./114.3mm	12
4020888	4.250in./108mm	17	5144469	5.000in./127mm	1	5154265	5.000in./127mm	1	U-3190	4.000in./101.6mm	11
4020888	4.250in./108mm	18	5144469	5.000in./127mm	3	5154265	5.000in./127mm	3	U-3988	4.500in./114.3mm	12
4349339	5.563in./141.3mm	22	5144469	5.000in./127mm	13	5154265	5.000in./127mm	13			
4349339	5.563in./141.3mm	14	5144469	5.000in./127mm	20	5154265	5.000in./127mm	20			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
2-71	5.000in./127mm	1	4020344	4.250in./108mm	17	4502107	4.125in./104.8mm	15	5184214	5.000in./127mm	3
3-71	5.000in./127mm	3	4020344	4.250in./108mm	18	4502107	4.375in./111.1mm	15	5773990	5.000in./127mm	3
4-71	5.000in./127mm	13	4020345	4.250in./108mm	17	4503200	4.125in./104.8mm	7	B-2097W	4.125in./104.8mm	7
5X-403	4.500in./114.3mm	19	4020345	4.250in./108mm	18	4503200	4.375in./111.1mm	8	B-2097W	4.375in./111.1mm	8
6-71	5.000in./127mm	20	4022256	4.250in./108mm	17	4505959	4.125in./104.8mm	15	B-2106	4.125in./104.8mm	15
05844	6.500in./165.1mm	25	4022256	4.250in./108mm	18	4505959	4.375in./111.1mm	15	B-2106	4.375in./111.1mm	15
05844	6.500in./165.1mm	24	4022301	4.250in./108mm	17	4505959	4.500in./114.3mm	19	B-2107	4.125in./104.8mm	15
46839E	4.250in./108mm	16	4022301	4.250in./108mm	18	4507700	4.125in./104.8mm	15	B-2107	4.375in./111.1mm	15
49525B	4.250in./108mm	16	4022490	4.250in./108mm	17	4507700	4.375in./111.1mm	15	B-3200	4.125in./104.8mm	7
49528E	4.250in./108mm	16	4022490	4.250in./108mm	18	4512316	4.125in./104.8mm	7	B-3200	4.375in./111.1mm	8
206638	3.500in./88.9mm	5	4303200	4.125in./104.8mm	7	4512978	4.125in./104.8mm	7	B-5960	4.375in./111.1mm	8
207145	3.500in./88.9mm	5	4347501	5.563in./141.3mm	22	4514465	4.125in./104.8mm	15	DE-34286	6.500in./165.1mm	25
213352	3.500in./88.9mm	5	4348399	5.563in./141.3mm	14	4514465	4.375in./111.1mm	15	DE-34286	6.500in./165.1mm	24
213353	4.500in./114.3mm	12	4348425	5.563in./141.3mm	14	4514467	4.125in./104.8mm	15	DE-61324	6.500in./165.1mm	25
220825E	4.250in./108mm	16	4348525	5.563in./141.3mm	14	4514467	4.375in./111.1mm	15	DE-61324	6.500in./165.1mm	24
226535	4.500in./114.3mm	12	4361324	6.500in./165.1mm	25	5132942	5.000in./127mm	1	DE-63043	6.500in./165.1mm	25
227550	3.875in./98.4mm	6	4361324	6.500in./165.1mm	24	5154184	5.000in./127mm	1	DE-63043	6.500in./165.1mm	24
229022	4.500in./114.3mm	12	4371087	6.500in./165.1mm	25	5154256	5.000in./127mm	20	DE-63908	6.500in./165.1mm	25
250026F	4.500in./114.3mm	19	4371087	6.500in./165.1mm	24	5154701	5.000in./127mm	13	DE-63908	6.500in./165.1mm	24
256025E	4.500in./114.3mm	19	4371093	6.500in./165.1mm	25	5154926	5.000in./127mm	3	DE-64786	6.500in./165.1mm	25
261025E	4.500in./114.3mm	19	4371093	6.500in./165.1mm	24	5154929	5.000in./127mm	3	DE-64786	6.500in./165.1mm	24
285026E	4.500in./114.3mm	19	4371094	6.500in./165.1mm	25	5155255	5.000in./127mm	20	DE-65968	6.500in./165.1mm	25
285360E	4.500in./114.3mm	19	4371094	6.500in./165.1mm	24	5160034	5.000in./127mm	20	DE-65968	6.500in./165.1mm	24
4008148	4.250in./108mm	17	4371097	6.500in./165.1mm	25	5173988	5.000in./127mm	20	DE-66233	6.500in./165.1mm	25
4008148	4.250in./108mm	18	4371097	6.500in./165.1mm	24	5179067	5.000in./127mm	20	DE-66233	6.500in./165.1mm	24
4020230	4.250in./108mm	9	4502106	4.125in./104.8mm	15	5182940	5.000in./127mm	20	U-3086	4.000in./101.6mm	11
4020230	4.250in./108mm	10	4502106	4.375in./111.1mm	15	5182942	5.000in./127mm	13	U-3186	4.000in./101.6mm	11

ALLIS-CHALMERS (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block				
U-3194	4.000in./101.6mm	11	U-3967	5.000in./127mm	13				
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
2 CYL									
1	142 CID (2.3L) 2-71 Detroit Diesel Supercharged Diesel 2 Cyl			4.250in./108mm x 5.000in./127mm				1	
Rod Bearing(2)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800	
Main Bearing(3)	TM-112	MB-1276P	STD,10,20,30,40	3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930	
Thrust Washer Set		TW-411S MB-2524W	STD	3.8430/3.8435			4.6250/4.6350	0.1220	
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MB-1276P (3)									
Cam Bearing Set 1-2-3-4-5	C-1	SH-527S SH-527	STD	2.0605/2.0610	0.0040/0.0075	0.0925	2.2500/2.2510	1.5500	
NOTE: From Engine Serial Number 2A-37623, Contains 5 Bearings, 3 used on the Camshaft and 2 used on the Balance Shaft									
Piston Pin Bushing(4)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175	
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring									
Piston Pin Bushing(2)		223-3548	STD			0.0880		3.2350	
NOTE: Crosshead Piston, 1 Per Rod									
Rod Forging	5144469, 5150093, 5154265								
C/S Forging	2-71, 5132942, 5154184								
Connecting Rod	60 To 70 Lbs.Ft. (Lubrite Nuts)								
Connecting Rod	65 To 75 Lbs.Ft. (Castellated Nuts)								
Main Bearing	190 To 200 Lbs.Ft.								
3 CYL									
2	152 CID (2.5L) AD3-152 Perkins Diesel 3 Cyl			3.600in./91.4mm x 5.000in./127mm				2	
Rod Bearing(3)	AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900	
Main Bearing Set 1 2-3 4	AL-3	MS-772AL MB-2186AL MB-2187AL MB-2302AL	STD,10,20,30	2.7485/2.7490 2.7485/2.7490 2.7485/2.7490	0.0018/0.0043 0.0018/0.0043 0.0018/0.0043	0.0830 0.0830 0.0830	2.9165/2.9170 2.9165/2.9170 2.9165/2.9170	1.3050 1.0000 1.6050	
NOTE: Use With Part Number TW-119S,TW-128S,TW-130S									
Thrust Washer Set		TW-119S MB-2188W(L) MB-2188W(U)	STD	3.0450/3.0550 3.0450/3.0550			3.5520/3.5620 3.5520/3.5620	0.1230 0.1230	
NOTE: From Engine Serial Number 1400250,Thru Eng Serial Number 1412719, Use With Part Number MS-772AL									
Thrust Washer Set		TW-128S MB-2188W(U)	STD	3.0450/3.0550			3.5520/3.5620	0.1230	
NOTE: Thru Engine Serial Number 1400250, Contains 2 Pieces, Position Number 4, Use With Part Number MS-772AL									
Thrust Washer Set		TW-130S MB-2292W(L) MB-2292W(U)	STD	3.0450/3.0550 3.0450/3.0550			3.5520/3.5620 3.5520/3.5620	0.1230 0.1230	
NOTE: From Eng Serial Number 1412720, Use With Part Number MS-772AL									
Piston Pin Bushing(3)	C-1	223-3594	STD			0.8500	1.3757/1.3762	1.0630	
NOTE: Requires Boring									
Rod Forging	52813, 31337140, 31337220								
Connecting Rod	70 To 80 Lbs.Ft.								
Main Bearing	110 To 120 Lbs.Ft.								
3	213 CID (3.5L) 3-71 Detroit Diesel Supercharged Diesel 3 Cyl			4.250in./108mm x 5.000in./127mm				3	
Rod Bearing(3)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800	
Main Bearing(4)	TM-112	MB-1276P	STD,10,20,30,40	3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930	
Thrust Washer Set		TW-411S MB-2524W	STD,+5	3.8430/3.8435			4.6250/4.6350	0.1220	
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MB-1276P (4)									

ALLIS-CHALMERS (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL (Cont.)								
3 (Cont.)	213 CID (3.5L) 3-71 Detroit Diesel Supercharged Diesel 3 Cyl				4.250in./108mm x 5.000in./127mm			3 (Cont.)
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: From Engine Serial Number 3A-27384, Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(6)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(6)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: From Engine Serial Number 3A-27384, Contains 4 Pieces								
Piston Pin Bushing(6)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(3)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston, 1 Per Rod								
Rod Forging	5144469, 5150093, 5154265							
C/S Forging	3-71, 5154926, 5154929, 5184214, 5773990							
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	120 To 140 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
4 CYL								
4	108 CID (1.8L) VH4D Wisconsin V4 Cyl				3.250in./82.6mm x 3.250in./82.6mm			4
Rod Bearing(4)	B-2	CB-979M	STD,10,20	1.8750/1.8760	0.0014/0.0035	0.0613	1.9995/2.0000	0.8640
Piston Pin Bushing(4)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100
NOTE: Requires Light Reaming								
Connecting Rod	24 Lbs.Ft.							
Main Bearing	30 Lbs.Ft.							
5	116 CID (1.9L) BE Allis Chalmers 4 Cyl 125 CID (2.0L) B125,CE Allis Chalmers 4 Cyl				3.250in./82.6mm x 3.500in./88.9mm 3.375in./85.7mm x 3.500in./88.9mm			5
Rod Bearing(4)	TM-77	CB-179P	STD,2,10,20,30	1.9365/1.9375	0.0008/0.0028	0.0618	2.0615/2.0620	1.2290
Main Bearing Set 1	TM-77	MS-211P	STD,10,20,30					
2-3		MB-891P(F) MB-892P		2.2490/2.2500 2.2490/2.2500	0.0013/0.0038 0.0013/0.0038	0.0850 0.0850	2.4210/2.4220 2.4210/2.4220	1.6250 1.5050
NOTE: Contains Half Flanged Bearing; Use in Lower Number 1 Position								
Cam Bearing Set 1-2-3	B-1	SH-384S SH-384	STD	1.7490/1.7500	0.0020/0.0040	0.0642	1.8800/1.8810	1.1300
6	138 CID (2.3L) G138 Allis Chalmers 4 Cyl 138 CID (2.3L) G138 Allis Chalmers CNG 4 Cyl 139 CID (2.3L) 4G139 Allis Chalmers 4 Cyl 149 CID (2.4L) G149 Allis Chalmers 4 Cyl 160 CID (2.6L) G160 Allis Chalmers 4 Cyl				3.375in./85.7mm x 3.875in./98.4mm 3.375in./85.7mm x 3.875in./98.4mm 3.375in./85.7mm x 3.875in./98.4mm 3.500in./88.9mm x 3.875in./98.4mm 3.625in./92.1mm x 3.875in./98.4mm			6
Rod Bearing(4)	TM-112	CB-781AL	STD,10,20,30	1.9365/1.9375	0.0010/0.0035	0.0617	2.0615/2.0620	1.2290
Main Bearing Set 1-2	TM-112	MS-902AL	STD,10,20					
3		MB-2497AL MB-2498AL(F)		2.7480/2.7490 2.7480/2.7490	0.0013/0.0043 0.0013/0.0043	0.0955 0.0955	2.9410/2.9420 2.9410/2.9420	1.2550 1.5000
C/S Forging 227550								
Connecting Rod	35 To 40 Lbs.Ft.							
Main Bearing	90 To 95 Lbs.Ft.							
7	153 CID (2.5L) 4B153,4G153,G153 Buda 4 Cyl 153 CID (2.5L) 4BD153,4D153,4DA153 Buda Diesel 4 Cyl 153 CID (2.5L) D153,DA153 Allis Chalmers Diesel 4 Cyl 182 CID (3.0L) 4B182 Buda 4 Cyl				3.438in./87.33mm x 4.125in./104.8mm 3.438in./87.33mm x 4.125in./104.8mm 3.438in./87.33mm x 4.125in./104.8mm 3.750in./95.3mm x 4.125in./104.8mm			7
Rod Bearing(4)	TM-112	CB-458P	STD,2,10,20,30,40	1.9975/1.9985	0.0016/0.0041	0.0802	2.1600/2.1605	1.2500

ALLIS-CHALMERS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
7 (Cont.)	153 CID (2.5L) 4B153,4G153,G153 Buda 4 Cyl 153 CID (2.5L) 4BD153,4D153,4DA153 Buda Diesel 4 Cyl 153 CID (2.5L) D153,DA153 Allis Chalmers Diesel 4 Cyl 182 CID (3.0L) 4B182 Buda 4 Cyl				3.438in./87.33mm x 4.125in./104.8mm 3.438in./87.33mm x 4.125in./104.8mm 3.438in./87.33mm x 4.125in./104.8mm 3.750in./95.3mm x 4.125in./104.8mm			7 (Cont.)
Main Bearing Set	TM-112	MS-226P	STD,10,20,30					
1		MB-1669P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.2550
2		MB-1671P(F)		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.8720
3		MB-1681P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.7550
Cam Bearing Set	B-1	SH-386S	STD					
1		SH-386		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	1.1300
2-3		SH-387		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	0.8800
4		SH-388		1.2480/1.2490	0.0020/0.0050	0.0615	1.3740/1.3750	1.0100
Piston Pin Bushing(4)	C-1	223-3507	STD			0.0730	1.1270/1.1275	1.2560
NOTE: Requires Boring								
Rod Forging	B-5708, 4500141							
C/S Forging	B-3200, 4303200, 4503200, 4512316, 4512978, B-2097W							
Connecting Rod	50 To 60 Lbs.Ft.							
Main Bearing	125 To 135 Lbs.Ft.							
8	175 CID (2.9L) 4D175,4DA175 Buda Diesel 4 Cyl				3.563in./90.5mm x 4.375in./111.1mm			8
Rod Bearing(4)	TM-112	CB-458P	STD,2,10,20,30,40	1.9975/1.9985	0.0016/0.0041	0.0802	2.1600/2.1605	1.2500
Main Bearing Set	TM-112	MS-399P	STD,10,20,30					
1		MB-1669P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.2550
2-4		MB-1670P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.1300
3		MB-1671P(F)		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.8720
5		MB-1681P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.7550
Cam Bearing Set	B-1	SH-386S	STD					
1		SH-386		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	1.1300
2-3		SH-387		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	0.8800
4		SH-388		1.2480/1.2490	0.0020/0.0050	0.0615	1.3740/1.3750	1.0100
Piston Pin Bushing(4)	C-1	223-3507	STD			0.0730	1.1270/1.1275	1.2560
NOTE: Requires Boring								
Rod Forging	4500141							
C/S Forging	B-3200, B-5960, 4503200, B-2097W							
Connecting Rod	50 To 60 Lbs.Ft.							
Main Bearing	125 To 135 Lbs.Ft.							
9	200 CID (3.3L) 433,D2200 Allis Chalmers Diesel 4 Cyl 200 CID (3.3L) G2200 Allis Chalmers 4 Cyl				3.875in./98.4mm x 4.250in./108mm 3.875in./98.4mm x 4.250in./108mm			9
Rod Bearing(4)	TM-112	CB-1355P	STD,10,20,30,40	2.3725/2.3735	0.0014/0.0039	0.0938	2.5620/2.5625	1.1230
Main Bearing Set	TM-112	MS-1622P	STD,10,20					
1-2-3		MB-2972P		2.7465/2.7480	0.0016/0.0048	0.0936	2.9368/2.9375	1.2440
4		MB-2973P(F)		2.7465/2.7480	0.0016/0.0048	0.0936	2.9368/2.9375	2.0570
5		MB-2971P		2.7465/2.7480	0.0016/0.0048	0.0936	2.9368/2.9375	1.4800
NOTE: Engines Requiring Bearings With Round Oil Hole								
Cam Bearing Set	B-1	SH-719S	STD					
1		SH-628		2.1300/2.1310	0.0020/0.0060	0.0630	2.2590/2.2600	1.3850
2-3		SH-629		2.1300/2.1310	0.0020/0.0060	0.0630	2.2590/2.2600	1.0000
Piston Pin Bushing(4)	C-1	223-3558	STD			0.0750	1.3750/1.3755	1.4110
NOTE: Requires Boring								
Rod Forging	4020888							
C/S Forging	4020230							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	130 To 140 Lbs.Ft.							
10	200 CID (3.3L) 433T Allis Chalmers Turbocharged Diesel 4 Cyl				3.875in./98.4mm x 4.250in./108mm			10
Rod Bearing(4)	TM-112	CB-1355P	STD,10,20,30,40	2.3725/2.3735	0.0014/0.0039	0.0938	2.5620/2.5625	1.1230

ALLIS-CHALMERS (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
10 (Cont.)	200 CID (3.3L) 433T Allis Chalmers Turbocharged Diesel 4 Cyl				3.875in./98.4mm x 4.250in./108mm			10 (Cont.)
Main Bearing Set 1-2-3 4 5	TM-112	MS-1620P MB-2969P MB-2970P(F) MB-2971P	STD,10,20	2.7465/2.7480 2.7465/2.7480 2.7465/2.7480	0.0016/0.0048 0.0016/0.0048 0.0016/0.0048	0.0936 0.0936 0.0936	2.9368/2.9375 2.9368/2.9375 2.9368/2.9375	1.2440 2.0570 1.4800
NOTE: Engines Requiring Bearings With Oil Slot								
Cam Bearing Set 1 2-3	B-1	SH-719S SH-628 SH-629	STD	2.1300/2.1310 2.1300/2.1310	0.0020/0.0060 0.0020/0.0060	0.0630 0.0630	2.2590/2.2600 2.2590/2.2600	1.3850 1.0000
Piston Pin Bushing(4)	C-1	223-3558	STD			0.0750	1.3750/1.3755	1.4110
NOTE: Requires Boring								
Rod Forging C/S Forging	4020888 4020230							
Connecting Rod Main Bearing	45 To 55 Lbs.Ft. 130 To 140 Lbs.Ft.							
11	201 CID (3.3L) G201 Allis Chalmers 4 Cyl				4.000in./101.6mm x 4.000in./101.6mm			11
	201 CID (3.3L) G201 Allis Chalmers Dist 4 Cyl				4.000in./101.6mm x 4.000in./101.6mm			
Rod Bearing(4)	TM-77	CB-526P	STD,2,10,20,30	2.3745/2.3750	0.0014/0.0035	0.0618	2.4995/2.5005	1.4350
Main Bearing Set 1-3 2	TM-112	MS-878AL MB-2458AL MB-2459AL(F)	STD,10,20	2.9990/3.0000 2.9990/3.0000	0.0013/0.0043 0.0013/0.0043	0.0950 0.0950	3.1910/3.1920 3.1910/3.1920	1.2550 1.4960
Cam Bearing Set 1-2-3	B-1	SH-385S SH-385	STD	1.8740/1.8750	0.0020/0.0040	0.0642	2.0050/2.0060	1.8750
Rod Forging C/S Forging	U-3190 U-3086, U-3186, U-3194							
Connecting Rod Main Bearing	45 To 55 Lbs.Ft. 130 To 140 Lbs.Ft.							
12	226 CID (3.7L) G226 Allis Chalmers 4 Cyl				4.000in./101.6mm x 4.500in./114.3mm			12
	226 CID (3.7L) G226 Allis Chalmers LPG 4 Cyl				4.000in./101.6mm x 4.500in./114.3mm			
Rod Bearing(4)	TM-77	CB-526P	STD,2,10,20,30	2.3745/2.3750	0.0014/0.0035	0.0618	2.4995/2.5005	1.4350
Con. Rod Bearing Shim Set 8		SM-118S SM-129	STD			0.0080		
Main Bearing Set 1 2-3	TM-77	MS-209P MB-366P(F) MB-367P	STD,10,20,30	2.4355/2.4365 2.4770/2.4780	0.0014/0.0040 0.0018/0.0043	0.0932 0.0723	2.6240/2.6250 2.6240/2.6250	1.6250 1.7550
NOTE: Except 3.000" Main Bearing Journal								
Main Bearing Set 1-3 2	TM-112	MS-878AL MB-2458AL MB-2459AL(F)	STD,10,20	2.9990/3.0000 2.9990/3.0000	0.0013/0.0043 0.0013/0.0043	0.0950 0.0950	3.1910/3.1920 3.1910/3.1920	1.2550 1.4960
NOTE: 3.000" Diameter Main Bearing Journals								
Main Bearing Shim Set 2 4		SM-119S SM-130 SM-131	STD			0.0080 0.0080		
NOTE: Except 3.000" Main Bearing Journal								
Cam Bearing Set 1-2-3	B-1	SH-385S SH-385	STD	1.8740/1.8750	0.0020/0.0040	0.0642	2.0050/2.0060	1.8750
Rod Forging C/S Forging	U3988, U-3988 213353, 226535, 229022							
Connecting Rod Main Bearing	45 To 55 Lbs.Ft. 130 To 140 Lbs.Ft.							
13	284 CID (4.7L) 4-71 Detroit Diesel Supercharged Diesel 4 Cyl				4.250in./108mm x 5.000in./127mm			13
Rod Bearing(4)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800
Main Bearing(5)	TM-112	MB-1276P	STD,10,20,30,40	3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930
Thrust Washer Set		TW-411S MB-2524W	STD	3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MB-1276P (5)								

ALLIS-CHALMERS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
13 (Cont.)	284 CID (4.7L) 4-71 Detroit Diesel Supercharged Diesel 4 Cyl			4.250in./108mm x 5.000in./127mm				13 (Cont.)
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: From Engine Serial Number 4A-59280, Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(8)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(8)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: From Engine Serial Number 4A-59280, Contains 4 Pieces								
Piston Pin Bushing(8)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(4)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston, 1 Per Rod								
Rod Forging	5144469, 5150093, 5154265							
C/S Forging	4-71, U-3967, 5154701, 5182942							
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	120 To 140 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
14	344 CID (5.6L) 6000 MKII,6000,7000 MKII,7000 Allis Chalmers Diesel 4 Cyl			4.438in./112.7mm x 5.563in./141.3mm				14
	344 CID (5.6L) HD344 Buda Diesel 4 Cyl			4.438in./112.7mm x 5.563in./141.3mm				
Rod Bearing(4)	TM-112	CB-700P	STD,10,20,30,40	2.7715/2.7725	0.0025/0.0050	0.1253	3.0250/3.0255	1.3700
NOTE: Engines Requiring Bearings With Round Oil Hole								
Rod Bearing(4)	TM-112	CB-1369P	STD,10	2.7715/2.7725	0.0020/0.0050	0.1253	3.0250/3.0255	1.3700
NOTE: Engines Requiring Bearings With Offset Oil Slot								
Main Bearing Set	TM-112	MS-1632P	STD,10,20					
1-2-4		MB-2967P		3.4980/3.4990	0.0023/0.0050	0.1554	3.8118/3.8125	1.3570
3		MB-2968P		3.4980/3.4990	0.0023/0.0050	0.1554	3.8118/3.8125	2.2540
3		MB-2096W		3.5630/3.5730			4.6875	0.2020
5		MB-2300P		3.4980/3.4990	0.0023/0.0050	0.1554	3.8118/3.8125	2.0000
NOTE: Engines Requiring Bearings With Oil Slot, Contains 4 Piece Thrust Washer Set, Use In Number 3 Position,Contains Straight Shell Bearings								
Rod Forging	4349339							
C/S Forging	4348399, 4348425, 4348525							
Connecting Rod	120 To 130 Lbs.Ft.							
Main Bearing	160 To 170 Lbs.Ft. (5/8" Bolts)							
Main Bearing	210 To 230 Lbs.Ft. (3/4" Bolts)							
6 CYL								
15	230 CID (3.8L) 6B230,G230 Buda 6 Cyl			3.438in./87.33mm x 4.125in./104.8mm				15
	230 CID (3.8L) 6B230 Buda LPG 6 Cyl			3.438in./87.33mm x 4.125in./104.8mm				
	230 CID (3.8L) 6BD230,6D230,6DA230,D230,DA230 Buda Diesel 6 Cyl			3.438in./87.33mm x 4.125in./104.8mm				
	262 CID (4.3L) 6B262 Buda Flex 6 Cyl			3.562in./90.5mm x 4.375in./111.1mm				
	262 CID (4.3L) 6D262,D262,DA262 Buda Diesel 6 Cyl			3.562in./90.5mm x 4.375in./111.1mm				
	262 CID (4.3L) 6D262T Buda Turbocharged Diesel 6 Cyl			3.562in./90.5mm x 4.375in./111.1mm				
	262 CID (4.3L) 6G262 Buda 6 Cyl			3.562in./90.5mm x 4.375in./111.1mm				
	262 CID (4.3L) G262 Allis Chalmers 6 Cyl			3.562in./90.5mm x 4.375in./111.1mm				
	273 CID (4.5L) 6D273 Buda Diesel 6 Cyl			3.750in./95.3mm x 4.125in./104.8mm				
	273 CID (4.5L) G273 Allis Chalmers 6 Cyl			3.750in./95.3mm x 4.125in./104.8mm				
Rod Bearing(6)	TM-112	CB-458P	STD,2,10,20,30,40	1.9975/1.9985	0.0016/0.0041	0.0802	2.1600/2.1605	1.2500
Main Bearing Set	TM-112	MS-227P	STD,10,20,30					
1		MB-1669P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.2550
2-3-5-6		MB-1670P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.1300
4		MB-1671P(F)		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.8720
7		MB-1681P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.7550

ALLIS-CHALMERS (Cont.)

COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
15 (Cont.)	230 CID (3.8L) 6B230,G230 Buda 6 Cyl			3.438in./87.33mm x 4.125in./104.8mm					15 (Cont.)
	230 CID (3.8L) 6B230 Buda LPG 6 Cyl			3.438in./87.33mm x 4.125in./104.8mm					
	230 CID (3.8L) 6BD230,6D230,6DA230,D230,DA230 Buda Diesel 6 Cyl			3.438in./87.33mm x 4.125in./104.8mm					
	262 CID (4.3L) 6B262 Buda Flex 6 Cyl			3.562in./90.5mm x 4.375in./111.1mm					
	262 CID (4.3L) 6D262,D262,DA262 Buda Diesel 6 Cyl			3.562in./90.5mm x 4.375in./111.1mm					
	262 CID (4.3L) 6D262T Buda Turbocharged Diesel 6 Cyl			3.562in./90.5mm x 4.375in./111.1mm					
	262 CID (4.3L) 6G262 Buda 6 Cyl			3.562in./90.5mm x 4.375in./111.1mm					
	262 CID (4.3L) G262 Allis Chalmers 6 Cyl			3.562in./90.5mm x 4.375in./111.1mm					
273 CID (4.5L) 6D273 Buda Diesel 6 Cyl			3.750in./95.3mm x 4.125in./104.8mm						
273 CID (4.5L) G273 Allis Chalmers 6 Cyl			3.750in./95.3mm x 4.125in./104.8mm						
Cam Bearing Set	B-1	SH-386S	STD						
1		SH-386		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	1.1300	
2-3		SH-387		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	0.8800	
4		SH-388		1.2480/1.2490	0.0020/0.0050	0.0615	1.3740/1.3750	1.0100	
Piston Pin Bushing(6)	C-1	223-3507	STD			0.0730	1.1270/1.1275	1.2560	
NOTE: Requires Boring									
Rod Forging	4500141								
C/S Forging	B-2106, B-2107, 4502106, 4502107, 4505959, 4507700, 4514465, 4514467								
Connecting Rod	50 To 60 Lbs.Ft.								
Main Bearing	125 To 135 Lbs.Ft.								
16	237 CID (3.9L) QXLD Hercules 6 Cyl			3.438in./87.33mm x 4.250in./108mm					16
Rod Bearing(6)	TM-112	CB-341P	STD,10,20	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.0280	
Cam Bearing Set	B-1	SH-322S	STD						
1-4		SH-322		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	1.0340	
2-3		SH-323		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	0.5650	
C/S Forging	46839E, 49525B, 49528E, 220825E								
Connecting Rod	53 To 56 Lbs.Ft.								
Main Bearing	60 To 70 Lbs.Ft.								
17	265 CID (4.3L) G2500 Allis Chalmers 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm					17
	301 CID (4.9L) 2900,649,D2800,D2900 Allis Chalmers Diesel 6 Cyl			3.875in./98.4mm x 4.250in./108mm					
	301 CID (4.9L) G2800,G2900 Allis Chalmers 6 Cyl			3.875in./98.4mm x 4.250in./108mm					
Rod Bearing(6)	TM-112	CB-1355P	STD,10,20,30,40	2.3725/2.3735	0.0014/0.0039	0.0938	2.5620/2.5625	1.1230	
Main Bearing Set	TM-112	MS-1623P	STD,10,20						
1-2-3-5-6		MB-2972P		2.7465/2.7480	0.0016/0.0048	0.0936	2.9368/2.9375	1.2440	
4		MB-2973P(F)		2.7465/2.7480	0.0016/0.0048	0.0936	2.9368/2.9375	2.0570	
7		MB-2971P		2.7465/2.7480	0.0016/0.0048	0.0936	2.9368/2.9375	1.4800	
NOTE: Engines Requiring Bearings With Round Oil Hole									
Cam Bearing Set	B-1	SH-629S	STD						
1		SH-628		2.1300/2.1310	0.0020/0.0060	0.0630	2.2590/2.2600	1.3850	
2-3-4		SH-629		2.1300/2.1310	0.0020/0.0060	0.0630	2.2590/2.2600	1.0000	
Piston Pin Bushing(6)	C-1	223-3558	STD			0.0750	1.3750/1.3755	1.4110	
NOTE: Requires Boring									
Rod Forging	4020888								
C/S Forging	4008148, 4020344, 4020345, 4022256, 4022301, 4022490								
Connecting Rod	45 To 55 Lbs.Ft.								
Main Bearing	130 To 140 Lbs.Ft.								
18	301 CID (4.9L) 649T,D2900 Allis Chalmers Turbocharged Diesel 6 Cyl			3.875in./98.4mm x 4.250in./108mm					18
Rod Bearing(6)	TM-112	CB-1355P	STD,10,20,30,40	2.3725/2.3735	0.0014/0.0039	0.0938	2.5620/2.5625	1.1230	
Main Bearing Set	TM-112	MS-1621P	STD,10,20						
1-2-3-5-6		MB-2969P		2.7465/2.7480	0.0016/0.0048	0.0936	2.9368/2.9375	1.2440	
4		MB-2970P(F)		2.7465/2.7480	0.0016/0.0048	0.0936	2.9368/2.9375	2.0570	
7		MB-2971P		2.7465/2.7480	0.0016/0.0048	0.0936	2.9368/2.9375	1.4800	
NOTE: Engines Requiring Bearings With Oil Slot									
Cam Bearing Set	B-1	SH-629S	STD						
1		SH-628		2.1300/2.1310	0.0020/0.0060	0.0630	2.2590/2.2600	1.3850	
2-3-4		SH-629		2.1300/2.1310	0.0020/0.0060	0.0630	2.2590/2.2600	1.0000	

ALLIS-CHALMERS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
18 (Cont.)	301 CID (4.9L) 649T,D2900 Allis Chalmers Turbocharged Diesel 6 Cyl				3.875in./98.4mm x 4.250in./108mm			18 (Cont.)
Piston Pin Bushing(6)	C-1	223-3558	STD			0.0750	1.3750/1.3755	1.4110
NOTE: Requires Boring								
Rod Forging	4020888							
C/S Forging	4008148, 4020344, 4020345, 4022256, 4022301, 4022490							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	130 To 140 Lbs.Ft.							
19	339 CID (5.6L) GO339 Hercules 6 Cyl				4.000in./101.6mm x 4.500in./114.3mm			19
Rod Bearing(6)	TM-112	CB-340P	STD,10,20,30,40	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640
NOTE: Engines with 2.00" Crankpins and 2.500" Main Journals, Contains 2 Shims								
Rod Bearing(6)	TM-112	CB-704P	STD,10,20,30	2.3730/2.3740	0.0013/0.0043	0.0756	2.5260/2.5270	1.1640
NOTE: Engines with 2.375" Crankpins and 2.875" Main Journals								
Main Bearing Set	TM-112	MS-650P	STD,10					
1-2-3-5-6-7		MB-2185P		2.8734/2.8744	0.0012/0.0037	0.0956	3.0665/3.0670	1.0360
4		MB-2092P(F)		2.8734/2.8744	0.0018/0.0043	0.0953	3.0665/3.0670	2.1190
NOTE: Engines with 2.875" Main Journals, Upper And Lower Bearing Halves Have Locating Lug In The Same Position								
Cam Bearing Set	B-1	SH-562S	STD					
1-4		SH-561		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	1.0720
2-3		SH-198		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230
C/S Forging	5X-403, 250026F, 256025E, 261025E, 285026E, 285360E, 4505959							
Connecting Rod	56 Lbs.Ft.							
Main Bearing	70 To 80 Lbs.Ft.							
20	426 CID (7.0L) 6-71 Detroit Diesel Supercharged Diesel 6 Cyl				4.250in./108mm x 5.000in./127mm			20
Rod Bearing(6)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800
Main Bearing Set	TM-112	MS-271P	STD,10,20,30,40					
1-2-3-4-5-6-7		MB-1276P		3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930
7		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position								
Thrust Washer Set		TW-411S	STD					
		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 7, Use With Part Number MS-271P								
Cam Bearing Set	C-1	SH-476RS	STD,20					
		SH-476R		1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: From Engine Serial Number 6A-57745, Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(10)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(10)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS	STD					
		SH-477W		1.6910			2.1563	0.1220
NOTE: From Engine Serial Number 6A-57745, Contains 4 Pieces								
Piston Pin Bushing(12)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(6)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston, 1 Per Rod								
Rod Forging	5144469, 5150093, 5154265							
C/S Forging	6-71, 5154256, 5155255, 5160034, 5173988, 5179067, 5182940							
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	120 To 140 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							

ALLIS-CHALMERS (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
21	426 CID (7.0L) 670 MKII,D3400 MKII,D3400,D3500 Allis Chalmers Diesel 6 Cyl			4.250in./108mm x 5.000in./127mm			21	
	426 CID (7.0L) 670I MKII Allis Chalmers Turbocharged/Intercooled Diesel 6 Cyl			4.250in./108mm x 5.000in./127mm				
	426 CID (7.0L) 670T MKII,D3500 MKII,D3700 MKII,D3750 MKII Allis Chalmers Turbocharged Diesel 6 Cyl			4.250in./108mm x 5.000in./127mm				
Rod Bearing(6)	TM-112	CB-1354P	STD,10,20,30,40	2.7475/2.7485	0.0015/0.0040	0.1103	2.9700/2.9705	1.2050
Main Bearing Set 1-2-3-5-6	TM-112	MS-2002P	STD,10,20,30	3.2465/3.2480	0.0022/0.0054	0.1554	3.5607/3.5614	1.2520
4		MB-2688P		3.3120/3.3220			4.2500	0.1710
4-7		MB-2689W		3.2465/3.2480	0.0022/0.0054	0.1554	3.5607/3.5614	1.5020
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Thrust Washer Set		TW-304S	STD	3.3120/3.3220			4.2500	0.1710
		MB-2689W						
NOTE: Contains 4 Pieces, Position Number 4								
Cam Bearing Set 1	B-1	SH-628S	STD	2.1300/2.1310	0.0020/0.0060	0.0630	2.2590/2.2600	1.3850
2-3-4-5-6		SH-628		2.1300/2.1310	0.0020/0.0060	0.0630	2.2590/2.2600	1.0000
		SH-629						
Piston Pin Bushing(6)	B	223-3559	STD			0.0750	1.6250/1.6255	1.1500
NOTE: Engines With 1.500" Piston Pin Diameter, Requires Boring								
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	170 To 190 Lbs.Ft.							
22	516 CID (8.5L) 6-85I Allis Chalmers Turbocharged/Intercooled Diesel 6 Cyl			4.438in./112.7mm x 5.563in./141.3mm			22	
	516 CID (8.5L) 6D1516,ADS516,HD516 Buda Diesel 6 Cyl			4.438in./112.7mm x 5.563in./141.3mm				
	516 CID (8.5L) 685T Allis Chalmers Turbocharged Diesel 6 Cyl			4.438in./112.7mm x 5.563in./141.3mm				
	516 CID (8.5L) 10000 MKII,10000,11000 MKII,11000 Allis Chalmers Diesel 6 Cyl			4.438in./112.7mm x 5.563in./141.3mm				
Rod Bearing(6)	TM-112	CB-700P	STD,10,20,30,40	2.7715/2.7725	0.0025/0.0050	0.1253	3.0250/3.0255	1.3700
NOTE: Engines Requiring Bearings With Round Oil Hole								
Rod Bearing(6)	TM-112	CB-1369P	STD,10	2.7715/2.7725	0.0020/0.0050	0.1253	3.0250/3.0255	1.3700
NOTE: Engines Requiring Bearings With Offset Oil Slot								
Main Bearing Set	TM-112	MS-769P						
NOTE: Contains Flanged Bearing, Use In Number 4 Position								
Main Bearing Set 1-2-3-5-6	TM-112	MS-1619P	STD,10,20	3.4980/3.4990	0.0023/0.0050	0.1554	3.8118/3.8125	1.3570
4		MB-2967P		3.5630/3.5730			4.6875	0.2020
7		MB-2096W		3.4980/3.4990	0.0023/0.0050	0.1554	3.8118/3.8125	2.0000
		MB-2300P						
NOTE: Engines Requiring Bearings With Oil Slot, Contains 4 Piece Thrust Washer Set, Use In Number 4 Position,Contains Straight Shell Bearings								
Rod Forging	4349339							
C/S Forging	4347501							
Connecting Rod	120 To 130 Lbs.Ft.							
Main Bearing	160 To 170 Lbs.Ft. (5/8" Bolts)							
Main Bearing	210 To 230 Lbs.Ft. (3/4" Bolts)							
23	779 CID (12.8L) 19000 Allis Chalmers 6 Cyl			5.250in./133.4mm x 6.000in./152.4mm			23	
	844 CID (13.8L) 6138-I Allis Chalmers Turbocharged/Intercooled Diesel 6 Cyl			5.250in./133.4mm x 6.500in./165.1mm				
	844 CID (13.8L) 6138T Allis Chalmers Turbocharged Diesel 6 Cyl			5.250in./133.4mm x 6.500in./165.1mm				
	844 CID (13.8L) 16000H,17000MKII,21000MKII,25000MKII,6138LT Allis Chalmers Diesel 6 Cyl			5.250in./133.4mm x 6.500in./165.1mm				
Rod Bearing(6)	TM-112	CB-1632P	STD,10,20,30	3.3725/3.3735	0.0026/0.0051	0.1245	3.6245/3.6250	1.5950
Main Bearing Set 1-7	TM-112	MS-1530P	STD,10	3.9950/3.9960	0.0024/0.0051	0.1881	4.3743/4.3750	2.0050
2-3-5-6		MB-2312P		3.9950/3.9960	0.0024/0.0051	0.1881	4.3743/4.3750	1.5050
4		MB-2313P		3.9950/3.9960	0.0024/0.0051	0.1881	4.3743/4.3750	2.7560
		MB-2314P						
NOTE: Contains Stepped Dowel Pins,Requires Thrust Washer Set, Not Included, Use With Part Number TW-134S								
Thrust Washer Set		TW-134S	STD	4.1770/4.1820			5.3700/5.3800	0.2280
		MB-2314W						
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1530P								

ALLIS-CHALMERS (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
23 (Cont.)	779 CID (12.8L) 19000 Allis Chalmers 6 Cyl				5.250in./133.4mm x 6.000in./152.4mm				23 (Cont.)
	844 CID (13.8L) 6138-I Allis Chalmers Turbocharged/Intercooled Diesel 6 Cyl				5.250in./133.4mm x 6.500in./165.1mm				
	844 CID (13.8L) 6138T Allis Chalmers Turbocharged Diesel 6 Cyl				5.250in./133.4mm x 6.500in./165.1mm				
	844 CID (13.8L) 16000H,17000MKII,21000MKII,25000MKII,6138LT Allis Chalmers Diesel 6 Cyl				5.250in./133.4mm x 6.500in./165.1mm				
Connecting Rod 160 To 170 Lbs.Ft. Main Bearing 160 To 170 Lbs.Ft. (4.000" Diameter Main Bearing Journals; 5/8" Bolts) Main Bearing 280 To 290 Lbs.Ft. (4.000" Diameter Main Bearing Journals; 7/8" Bolts)									
24	844 CID (13.8L) 16000,21000,21000H Allis Chalmers Diesel 6 Cyl				5.250in./133.4mm x 6.500in./165.1mm				24
	844 CID (13.8L) 25000 Allis Chalmers Turbocharged Diesel 6 Cyl				5.250in./133.4mm x 6.500in./165.1mm				
Rod Bearing(6)	TM-112	CB-1632P	STD,10,20,30	3.3725/3.3735	0.0026/0.0051	0.1245	3.6245/3.6250	1.5950	
Main Bearing Set 1-7	TM-112	MS-1530P	STD,10	3.9950/3.9960	0.0024/0.0051	0.1881	4.3743/4.3750	2.0050	
2-3-5-6		MB-2312P		3.9950/3.9960	0.0024/0.0051	0.1881	4.3743/4.3750	1.5050	
4		MB-2313P		3.9950/3.9960	0.0024/0.0051	0.1881	4.3743/4.3750	1.5050	
NOTE: Contains Stepped Dowel Pins,Requires Thrust Washer Set, Not Included, Use With Part Number TW-134S									
Thrust Washer Set		TW-134S	STD	4.1770/4.1820			5.3700/5.3800	0.2280	
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1530P									
Piston Pin Bushing(6)	C-1	223-3587	STD			0.2040	2.4365/2.4375	0.8550	
NOTE: From Chassis Serial Number 1100 To 12500,From Chassis Serial Number 4001 To 5901, Requires Boring									
C/S Forging 05844, 4361324, 4371087, 4371093, 4371094, 4371097, DE-34286, DE-61324, DE-63043, DE-63908, DE-64786, DE-65968, DE-66233									
Connecting Rod 160 To 170 Lbs.Ft. Main Bearing 160 To 170 Lbs.Ft. (5/8" Bolts) Main Bearing 280 To 290 Lbs.Ft. (7/8" Bolts)									
25	844 CID (13.8L) HD844 Allis Chalmers Diesel 6 Cyl				5.250in./133.4mm x 6.500in./165.1mm				25
Piston Pin Bushing(6)	C-1	223-3587	STD			0.2040	2.4365/2.4375	0.8550	
NOTE: From Chassis Serial Number 1100 To 12500,From Chassis Serial Number 4001 To 5901, Requires Boring									
C/S Forging 05844, 4361324, 4371087, 4371093, 4371094, 4371097, DE-34286, DE-61324, DE-63043, DE-63908, DE-64786, DE-65968, DE-66233									
Connecting Rod 150 To 160 Lbs.Ft. Main Bearing 280 To 290 Lbs.Ft.									
8 CYL									
26	555 CID (9.1L) V555 Cummins Diesel V8 Cyl				4.625in./117.5mm x 4.125in./104.8mm				26
Rod Bearing(8)	TM-112	CB-994P	STD,10,20,30	2.7490/2.7500	0.0020/0.0050	0.0948	2.9410/2.9420	1.1750	
Main Bearing Set 1-5	TM-112	MS-1061P	STD,10,20,30	3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.0520	
2-3-4		MB-2598P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.1410	
5		MB-2599P		3.8050/3.8150			4.4850/4.4950	0.1510	
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position,Contains Dowel Pins									
Thrust Washer Set		TW-448S	STD	3.8050/3.8150			4.4850/4.4950	0.1510	
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1061P									
Cam Bearing Set 1-5	B-1	SH-1394S	STD	1.9975/1.9985	0.0010/0.0045	0.0963	2.1865/2.1875	1.9000	
2-3-4		SH-1394		1.9975/1.9985	0.0010/0.0045	0.0963	2.1865/2.1875	0.9000	
NOTE: Small Cam									
Piston Pin Bushing(8)	C-1	223-3565	STD			0.1450	1.7500/1.7505	1.5700	
NOTE: Requires Boring									
Connecting Rod Step A 45 Lbs.Ft.; Step B 90 Lbs.Ft.; Step C Loosen All Connecting Rods; Step D 45 Lbs.Ft.; Step E Turn 60 Degrees Main Bearing Step A 65 Lbs.Ft.; Step B 125 Lbs.Ft.; Step C 175 Lbs.Ft.; Step D Loosen All Main Bolts; Step E Repeat Steps A, B And C									

AMERICAN MOTORS

ENGINE DATA

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				6 CYL (Cont.)			
1198CC (1.2L) A40 Austin	1954-1955	2.579in./65.5mmX3.500in./88.9mm	1	232 CID (3.8L)	1964-1979	3.750in./95.3mmX3.500in./88.9mm	6
1489CC (1.5L) Austin	1956-1957	2.874in./73mmX3.540in./89.9mm	1	258 CID (4.2L)	1971-1988	3.750in./95.3mmX3.906in./99.2mm	6
1489CC (1.5L) A50 Austin	1956-1961	2.874in./73mmX3.540in./89.9mm	1	8 CYL			
1489CC (1.5L) A55 Austin	1958-1961	2.874in./73mmX3.540in./89.9mm	1	250 CID (4.1L)	1958-1961	3.500in./88.9mmX3.250in./82.6mm	7
1965CC (2.0L) F3R	1987	3.228in./82mmX3.661in./93mm	2	287 CID (4.7L)	1963-1966	3.750in./95.3mmX3.250in./82.6mm	7
Renault				290 CID (4.8L)	1966-1969	3.750in./95.3mmX3.281in./83.34mm	8
150 CID (2.5L) OHV	1983-1986	3.875in./98.4mmX3.190in./81.03mm	3	304 CID (5.0L)	1970-1979	3.750in./95.3mmX3.438in./87.33mm	8
151 CID (2.5L) Carbureted	1980-1983	4.000in./101.6mmX3.000in./76.2mm	4	327 CID (5.4L)	1957-1966	4.000in./101.6mmX3.250in./82.6mm	7
Pontiac				343 CID (5.6L)	1967-1969	4.080in./103.6mmX3.281in./83.34mm	8
6 CYL				360 CID (5.9L)	1970-1978	4.080in./103.6mmX3.438in./87.33mm	8
196 CID (3.2L) L-Head	1961-1965	3.125in./79.4mmX4.250in./108mm	5	390 CID (6.4L)	1968-1970	4.165in./105.8mmX3.574in./90.8mm	9
196 CID (3.2L) OHV	1961-1965	3.125in./79.4mmX4.250in./108mm	5	401 CID (6.6L)	1971-1976	4.165in./105.8mmX3.680in./93.5mm	9
199 CID (3.3L)	1965-1970	3.750in./95.3mmX3.000in./76.2mm	6				

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
	1489CC (1.5L) Austin	1956-1957	1	Hornet	360 CID (5.9L)	1970-1977	8
AMX	258 CID (4.2L)	1978-1980	6	Javelin	232 CID (3.8L)	1968-1969	6
AMX	290 CID (4.8L)	1968-1969	8	Javelin	258 CID (4.2L)	1971-1972	6
AMX	304 CID (5.0L)	1978-1979	8	Javelin	304 CID (5.0L)	1970-1974	8
AMX	343 CID (5.6L)	1968-1969	8	Javelin	343 CID (5.6L)	1968-1969	8
AMX	360 CID (5.9L)	1970	8	Javelin	360 CID (5.9L)	1970-1974	8
AMX	390 CID (6.4L)	1968-1970	9	Javelin	390 CID (6.4L)	1968-1970	9
Ambassador	232 CID (3.8L)	1965-1971	6	Javelin	401 CID (6.6L)	1971-1974	9
Ambassador	258 CID (4.2L)	1971	6	Marlin	232 CID (3.8L)	1965-1966	6
Ambassador	287 CID (4.7L)	1965	7	Marlin	287 CID (4.7L)	1965-1966	7
Ambassador	290 CID (4.8L)	1967-1969	8	Marlin	290 CID (4.8L)	1967	8
Ambassador	304 CID (5.0L)	1970-1974	8	Marlin	327 CID (5.4L)	1965-1966	7
Ambassador	327 CID (5.4L)	1957-1966	7	Marlin	343 CID (5.6L)	1967	8
Ambassador	343 CID (5.6L)	1967-1969	8	Matador	232 CID (3.8L)	1971-1974	6
Ambassador	360 CID (5.9L)	1970-1974	8	Matador	258 CID (4.2L)	1971-1978	6
Ambassador	390 CID (6.4L)	1968-1970	9	Matador	304 CID (5.0L)	1971-1978	8
Ambassador	401 CID (6.6L)	1971-1974	9	Matador	360 CID (5.9L)	1971-1978	8
American	196 CID (3.2L) L-Head	1957-1965	5	Matador	401 CID (6.6L)	1972-1976	9
American	196 CID (3.2L) OHV	1960-1965	5	Metropolitan	1198CC (1.2L) A40 Austin	1954-1956	1
American	199 CID (3.3L)	1967-1970	6	Metropolitan	1489CC (1.5L) A50 Austin	1956-1962	1
American	232 CID (3.8L)	1964-1969	6	Metropolitan	1489CC (1.5L) A55 Austin	1958-1962	1
American	290 CID (4.8L)	1967-1969	8	Pacer	232 CID (3.8L)	1975-1978	6
American	343 CID (5.6L)	1967	8	Pacer	258 CID (4.2L)	1975-1980	6
Concord	151 CID (2.5L) Carbureted	1980-1983	4	Pacer	304 CID (5.0L)	1975-1979	8
Concord	Pontiac			Rambler	232 CID (3.8L)	1969	6
Concord	232 CID (3.8L)	1978-1979	6	Rambler	290 CID (4.8L)	1969	8
Concord	258 CID (4.2L)	1978-1983	6	Rambler	390 CID (6.4L)	1969	9
Concord	304 CID (5.0L)	1978-1979	8	Rambler Classic	196 CID (3.2L) OHV	1961-1964	5
Eagle	150 CID (2.5L) OHV	1983-1986	3	Rambler Classic	199 CID (3.3L)	1965-1966	6
Eagle	151 CID (2.5L) Carbureted	1980-1983	4	Rambler Classic	232 CID (3.8L)	1964-1966	6
Eagle	Pontiac			Rambler Classic	250 CID (4.1L)	1961	7
Eagle	258 CID (4.2L)	1980-1988	6	Rambler Classic	287 CID (4.7L)	1963-1966	7
Eagle Kammback	151 CID (2.5L) Carbureted	1981-1982	4	Rambler Classic	290 CID (4.8L)	1966	8
Eagle Kammback	Pontiac			Rambler Classic	327 CID (5.4L)	1963-1966	7
Eagle SX/4	258 CID (4.2L)	1981-1982	6	Rebel	232 CID (3.8L)	1967	6
Eagle SX/4	151 CID (2.5L) Carbureted	1981-1983	4	Rebel	250 CID (4.1L)	1958-1960	7
Eagle SX/4	Pontiac			Rebel	290 CID (4.8L)	1967-1969	8
Eagle SX/4	258 CID (4.2L)	1981-1983	6	Rebel	343 CID (5.6L)	1967-1969	8
GTA	1965CC (2.0L) F3R Renault	1987	2	Rebel	360 CID (5.9L)	1970	8
Gremlin	199 CID (3.3L)	1970	6	Rebel	390 CID (6.4L)	1968-1970	9
Gremlin	232 CID (3.8L)	1970-1978	6	Spirit	151 CID (2.5L) Carbureted	1980-1982	4
Gremlin	258 CID (4.2L)	1971-1978	6	Pontiac			
Gremlin	304 CID (5.0L)	1970-1978	8	Spirit	232 CID (3.8L)	1979	6
Hornet	199 CID (3.3L)	1970	6	Spirit	258 CID (4.2L)	1979-1983	6
Hornet	232 CID (3.8L)	1970-1978	6	Spirit	304 CID (5.0L)	1979	8
Hornet	258 CID (4.2L)	1971-1978	6				
Hornet	304 CID (5.0L)	1970-1978	8				

AMERICAN MOTORS (Cont.)

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
207	3.500in./88.9mm	6	707	3.906in./99.2mm	6	3145295	3.250in./82.6mm	7	3174472	4.250in./108mm	5
207	3.000in./76.2mm	6	4472	4.250in./108mm	5	3145607	4.250in./108mm	5	3180444	3.500in./88.9mm	6
207	3.906in./99.2mm	6	5854	3.680in./93.5mm	9	3145608	4.250in./108mm	5	3182749	3.500in./88.9mm	6
324	3.000in./76.2mm	4	7047	3.680in./93.5mm	9	3145609	4.250in./108mm	5	3182749	3.000in./76.2mm	6
338	3.500in./88.9mm	6	499323	3.000in./76.2mm	4	3145808	4.250in./108mm	5	3182749	3.281in./83.34mm	8
351	3.190in./81.03mm	3	3125959	4.250in./108mm	5	3172341	3.500in./88.9mm	6	3182749	3.438in./87.33mm	8
352	3.906in./99.2mm	6	3127770	4.250in./108mm	5	3172341	3.000in./76.2mm	6	3182749	3.906in./99.2mm	6
707	3.500in./88.9mm	6	3131804	4.250in./108mm	5	3172341	3.906in./99.2mm	6	3191739	3.680in./93.5mm	9
707	3.000in./76.2mm	6	3135607	4.250in./108mm	5	3173210	3.500in./88.9mm	6	3196750	3.438in./87.33mm	8
707	3.281in./83.34mm	8	3144468	3.250in./82.6mm	7	3173210	3.000in./76.2mm	6	3197047	3.438in./87.33mm	8
707	3.438in./87.33mm	8	3144488	3.250in./82.6mm	7	3173210	3.906in./99.2mm	6	3215845	3.680in./93.5mm	9

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
017	3.000in./76.2mm	4	3160035	4.250in./108mm	5	3190079	3.680in./93.5mm	9	3208794	3.500in./88.9mm	6
381	3.000in./76.2mm	4	3160035	3.500in./88.9mm	6	3190792	3.680in./93.5mm	9	3208795	3.680in./93.5mm	9
390	3.000in./76.2mm	4	3160110	4.250in./108mm	5	3190792F	3.680in./93.5mm	9	3213754	3.438in./87.33mm	8
684	3.000in./76.2mm	4	3162394	4.250in./108mm	5	3190793	3.680in./93.5mm	9	3214722	3.500in./88.9mm	6
771	3.000in./76.2mm	4	3162394F	4.250in./108mm	5	3190797	3.680in./93.5mm	9	3214723	3.906in./99.2mm	6
777	3.000in./76.2mm	4	3165562	4.250in./108mm	5	3190798	3.680in./93.5mm	9	3214724	3.438in./87.33mm	8
499311	3.000in./76.2mm	4	3165562F	4.250in./108mm	5	3193816	3.281in./83.34mm	8	3214725	3.680in./93.5mm	9
3124294F	4.250in./108mm	5	3169034	4.250in./108mm	5	3193816	3.438in./87.33mm	8	3220411	3.680in./93.5mm	9
3125974	4.250in./108mm	5	3169034	3.500in./88.9mm	6	3195292	3.438in./87.33mm	8	3235477	3.906in./99.2mm	6
3127501F	4.250in./108mm	5	3169035F	4.250in./108mm	5	3196921	3.680in./93.5mm	9	3239611	3.190in./81.03mm	3
3130368	4.250in./108mm	5	3172216	3.000in./76.2mm	6	3196922	3.680in./93.5mm	9	4487237	3.438in./87.33mm	8
3134294	4.250in./108mm	5	3172218	3.500in./88.9mm	6	319738C	3.906in./99.2mm	6	4487238	3.680in./93.5mm	9
3134294F	4.250in./108mm	5	3172218R	3.500in./88.9mm	6	3199798	3.906in./99.2mm	6	4992111	3.000in./76.2mm	4
3144388	3.250in./82.6mm	7	3172697	4.250in./108mm	5	3199842	3.680in./93.5mm	9	4993111	3.000in./76.2mm	4
3159292	3.438in./87.33mm	8	3173429	3.000in./76.2mm	6	3204904	3.500in./88.9mm	6	RD51261	3.438in./87.33mm	8
3159614	4.250in./108mm	5	3178451C	3.438in./87.33mm	8	3208626	3.000in./76.2mm	6	RD67703	3.906in./99.2mm	6
3159614F	4.250in./108mm	5	3188945	3.500in./88.9mm	6	3208627	3.500in./88.9mm	6	RDJ1261	3.438in./87.33mm	8
3160033	4.250in./108mm	5	3188947	3.500in./88.9mm	6	3208793	3.000in./76.2mm	6			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1198CC (1.2L) A40 Austin 4 Cyl (1954-1955)			2.579in./65.5mm x 3.500in./88.9mm				1
	1489CC (1.5L) Austin 4 Cyl (1956-1957)			2.874in./73mm x 3.540in./89.9mm				
	1489CC (1.5L) A50 Austin 4 Cyl (1956-1961)			2.874in./73mm x 3.540in./89.9mm				
	1489CC (1.5L) A55 Austin 4 Cyl (1958-1961)			2.874in./73mm x 3.540in./89.9mm				
Rod Bearing(4)	AL-3	CB-487AL	STD,10,20,30	1.8759/1.8764	0.0015/0.0031	0.0718	2.0210/2.0215	1.0050
Cam Bearing Set	B-1	SH-481S	STD					
1		SH-481		1.7887/1.7892	0.0014/0.0032	0.0622	1.9150/1.9157	1.4740
2		SH-482		1.7283/1.7291	0.0011/0.0038	0.0622	1.8547/1.8559	1.1299
3		SH-483		1.6224/1.6228	0.0016/0.0038	0.0622	1.7488/1.7500	0.8169
2	1965CC (2.0L) F3R Renault 4 Cyl (1987)			3.228in./82mm x 3.661in./93mm				2
Rod Bearing(4)	AL-3	CB-1310AL	STD,.25mm	1.8898/1.8906	0.0018/0.0031	0.0693	2.0310/2.0315	0.8070
Main Bearing Set	AL-3	MS-1603AL	STD,.25mm	2.1573/2.1577				0.7280
1-2-3-4-5		MB-2947AL						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-373S								
Thrust Washer Set		TW-373S	STD	2.3819/2.3917				0.0930
		MB-2946W						
NOTE: Contains 2 Pieces, Position Number 2, Use With Part Number MS-1603AL								
3	150 CID (2.5L) OHV 4 Cyl (1983-1986)			3.875in./98.4mm x 3.190in./81.03mm				3
Rod Bearing(4)	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set	TM-77	MS-1568P	STD,10,20,30,40	2.4996/2.5001				0.9860
1-3-4-5		MB-2263P						
2		MB-2264P(F)						
Cam Bearing Set	B-1	SH-1980S	STD	2.0295/2.0305				0.6950
1		SH-1980						
2		SH-550						
3		SH-551						
4		SH-552						
				2.0195/2.0205	0.0010/0.0050	0.0620	2.1455/2.1465	0.7050
				2.0095/2.0105	0.0010/0.0050	0.0620	2.1355/2.1365	0.7050
				1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.7050

AMERICAN MOTORS (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
3 (Cont.)	150 CID (2.5L) OHV 4 Cyl (1983-1986)				3.875in./98.4mm x 3.190in./81.03mm			3 (Cont.)
Rod Forging	351							
C/S Forging	3239611							
Connecting Rod	33 Lbs.Ft.							
Main Bearing	80 Lbs.Ft.							
4	151 CID (2.5L) Carbureted Pontiac 4 Cyl (1980-1983)				4.000in./101.6mm x 3.000in./76.2mm			4
Rod Bearing(4)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set	TM-77	MS-1733P	STD,1,10,20,30,40	2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
1-2-3-4		MB-3135P						
5		MB-2588P(F)						
Cam Bearing Set	AL-3	SH-1030S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
1-2-3		SH-400						
Rod Forging	324, 499323							
C/S Forging	017, 381, 390, 684, 771, 777, 499311, 4992111, 4993111							
Connecting Rod	30 Lbs.Ft. (Except Cross Flow Cylinder Heads)							
Connecting Rod	32 Lbs.Ft. (Cross Flow Cylinder Heads)							
Main Bearing	65 Lbs.Ft. (Except Cross Flow Cylinder Heads)							
Main Bearing	70 Lbs.Ft. (Cross Flow Cylinder Heads)							
6 CYL								
5	196 CID (3.2L) L-Head,OHV 6 Cyl (1961-1965)				3.125in./79.4mm x 4.250in./108mm			5
Cam Bearing Set	B-1	SH-529S	STD	1.8155/1.8165	0.0010/0.0040	0.0643	1.9460/1.9480	0.9470
1		SH-529						
2		SH-470						
3		SH-471						
4		SH-472						
NOTE: 1962-1965, 1961 L-Head Engines From Engine Serial Number 20830, And 1961 OHV Engines From Engine Serial Number 20908								
Rod Forging	4472, 3125959, 3127770, 3131804, 3135607, 3145607, 3145608, 3145609, 3145808, 3174472							
C/S Forging	3125974, 3130368, 3134294, 3159614, 3160033, 3160035, 3160110, 3162394, 3165562, 3169034, 3172697, 3124294F, 3127501F, 3134294F, 3159614F, 3162394F, 3165562F, 3169035F							
Connecting Rod	27 To 30 Lbs.Ft.							
Main Bearing	55 To 58 Lbs.Ft. (Aluminum Engine)							
Main Bearing	66 To 70 Lbs.Ft. (Except Aluminum Engine)							
6	199 CID (3.3L) 6 Cyl (1965-1970)				3.750in./95.3mm x 3.000in./76.2mm			6
	232 CID (3.8L) 6 Cyl (1964-1979)				3.750in./95.3mm x 3.500in./88.9mm			
	258 CID (4.2L) 6 Cyl (1971-1988)				3.750in./95.3mm x 3.906in./99.2mm			
Rod Bearing(6)	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set	TM-77	MS-704P	STD,10,20,30,40	2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	0.9860
1-2-4-5-6-7		MB-2263P						
3		MB-2264P(F)						
Cam Bearing Set	B-1	SH-1980S	STD	2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6950
1		SH-1980						
2		SH-550						
3		SH-551						
4		SH-552						
Rod Forging	207, 338, 352, 707, 3172341, 3173210, 3180444, 3182749							
C/S Forging	3160035, 3169034, 3172216, 3172218, 3173429, 3188945, 3188947, 3199798, 3204904, 3208626, 3208627, 3208793, 3208794, 3214722, 3214723, 3235477, RD67703, 3172218R, 3199738C							
Connecting Rod	27 To 30 Lbs.Ft. (199 CID (3.3L))							
Connecting Rod	30 Lbs.Ft. (232 CID (3.8L),258 CID (4.2L))							
Main Bearing	75 To 85 Lbs.Ft.							
8 CYL								
7	250 CID (4.1L) V8 Cyl (1958-1961)				3.500in./88.9mm x 3.250in./82.6mm			7
	287 CID (4.7L) V8 Cyl (1963-1966)				3.750in./95.3mm x 3.250in./82.6mm			
	327 CID (5.4L) V8 Cyl (1957-1966)				4.000in./101.6mm x 3.250in./82.6mm			
Rod Bearing(8)	TM-77	CB-507P	STD,10,20	2.2483/2.2490	0.0012/0.0030	0.0624	2.3745/2.3750	0.9020
Main Bearing Set	TM-77	MS-400P-10		2.4988/2.4995	0.0005/0.0027	0.0957	2.6910/2.6920	1.2700
1		MB-1780P(F)						
2-3-4-5		MB-1781P						

AMERICAN MOTORS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
7 (Cont.)	250 CID (4.1L) V8 Cyl (1958-1961)				3.500in./88.9mm x 3.250in./82.6mm			7 (Cont.)
	287 CID (4.7L) V8 Cyl (1963-1966)				3.750in./95.3mm x 3.250in./82.6mm			
	327 CID (5.4L) V8 Cyl (1957-1966)				4.000in./101.6mm x 3.250in./82.6mm			
Rod Forging	3144468, 3144488, 3145295							
C/S Forging	3144388							
8	290 CID (4.8L) V8 Cyl (1966-1969)				3.750in./95.3mm x 3.281in./83.34mm			8
	304 CID (5.0L) V8 Cyl (1970-1979)				3.750in./95.3mm x 3.438in./87.33mm			
	343 CID (5.6L) V8 Cyl (1967-1969)				4.080in./103.6mm x 3.281in./83.34mm			
	360 CID (5.9L) V8 Cyl (1970-1978)				4.080in./103.6mm x 3.438in./87.33mm			
Rod Bearing(8)	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set	TM-77	MS-1041P	STD,10,20,30					
1-2-4-5		MB-2579P		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	0.9280
3		MB-2578P(F)		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	1.2700
Cam Bearing Set	B-1	SH-671S	STD					
1		SH-671		2.1195/2.1205	0.0010/0.0050	0.0620	2.2455/2.2465	0.9350
2		SH-672		2.0895/2.0905	0.0010/0.0050	0.0620	2.2155/2.2165	0.6400
3		SH-673		2.0595/2.0605	0.0010/0.0050	0.0620	2.1855/2.1865	0.6400
4		SH-674		2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6400
5		SH-675		1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.6400
Rod Forging	707, 3182749, 3196750, 3197047							
C/S Forging	3159292, 3193816, 3195292, 3213754, 3214724, 4487237, RD51261, RDJ1261, 3178451C							
Connecting Rod	27 To 30 Lbs.Ft. (290 CID (4.8L) ,343 CID (5.6L))							
Connecting Rod	30 Lbs.Ft. (360 CID (5.9L))							
Connecting Rod	95 To 105 Lbs.Ft. (304 CID (5.0L))							
Main Bearing	30 To 35 Lbs.Ft. (304 CID (5.0L))							
Main Bearing	95 To 105 Lbs.Ft. (290 CID (4.8L) ,343 CID (5.6L) ,360 CID (5.9L))							
9	390 CID (6.4L) V8 Cyl (1968-1970)				4.165in./105.8mm x 3.574in./90.8mm			9
	401 CID (6.6L) V8 Cyl (1971-1976)				4.165in./105.8mm x 3.680in./93.5mm			
Rod Bearing(8)	TM-77	CB-819P	STD,10,20,30	2.2478/2.2485	0.0019/0.0041	0.0623	2.3745/2.3750	0.8050
Main Bearing Set	TM-77	MS-1041P	STD,10,20,30					
1-2-4-5		MB-2579P		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	0.9280
3		MB-2578P(F)		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	1.2700
Cam Bearing Set	B-1	SH-671S	STD					
1		SH-671		2.1195/2.1205	0.0010/0.0050	0.0620	2.2455/2.2465	0.9350
2		SH-672		2.0895/2.0905	0.0010/0.0050	0.0620	2.2155/2.2165	0.6400
3		SH-673		2.0595/2.0605	0.0010/0.0050	0.0620	2.1855/2.1865	0.6400
4		SH-674		2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6400
5		SH-675		1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.6400
Rod Forging	5854, 7047, 3191739, 3215845							
C/S Forging	3190079, 3190792, 3190793, 3190797, 3190798, 3196921, 3196922, 3199842, 3208795, 3214725, 3220411, 4487238, 3190792F							
Connecting Rod	35 To 40 Lbs.Ft.							
Main Bearing	95 To 100 Lbs.Ft.							
ASUNA								
ENGINE DATA								
Engine		Years	Block					
4 CYL								
110 CID (1.8L) LV6 DOHC Isuzu		1992-1993	1					
MODEL DATA								
Model	Engine	Years	Block					
Sunfire	110 CID (1.8L) LV6 DOHC Isuzu	1992-1994	1					

ASUNA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	110 CID (1.8L) LV6 DOHC Isuzu 4 Cyl (1992-1993)			3.150in./80mm x 3.543in./90mm				1
Main Bearing Set 1-2-3-4-5	TM-1	MS-2017P MB-3481P	STD.,.25mm,.50mm	2.0440/2.0448	0.0008/0.0029	0.0793	2.2037/2.2047	0.6690
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-595S								
Thrust Washer Set		TW-595S MB-3481W	STD	2.3228			2.9016	0.0870
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-2017P								

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ENGINE DATA							
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
1471CC (1.5L) XV/XW/XY/XZ Gas Volkswagen	1974	3.012in./76.5mmX3.150in./80mm	1	5 CYL (Cont.)			
1471CC (1.5L) ZD SOHC	1973	3.012in./76.5mmX3.150in./80mm	1	1986CC (2.0L) DE SOHC Turbocharged Diesel	1983-1985	3.012in./76.5mmX3.386in./86mm	5
1471CC (1.5L) ZE SOHC	1973	3.012in./76.5mmX3.150in./80mm	1	2144CC (2.2L) KH SOHC Turbocharged	1984-1985	3.130in./79.5mmX3.386in./86mm	5
1588CC (1.6L) CR Volkswagen Diesel	1982-1983	3.012in./76.5mmX3.386in./86mm	2	2144CC (2.2L) WD SOHC Volkswagen	1978-1983	3.130in./79.5mmX3.386in./86mm	6
1588CC (1.6L) CY Turbo Volkswagen Turbocharged Diesel	1983	3.130in./79.5mmX3.150in./80mm	2	2144CC (2.2L) WE Volkswagen	1978-1984	3.130in./79.5mmX3.386in./86mm	7
1588CC (1.6L) JK Volkswagen Diesel	1983	3.012in./76.5mmX3.386in./86mm	2	2144CC (2.2L) WK SOHC Turbocharged	1980-1983	3.130in./79.5mmX3.386in./86mm	6
1588CC (1.6L) YG Volkswagen	1975-1980	3.130in./79.5mmX3.150in./80mm	1	2144CC (2.2L) WU SOHC	1984	3.130in./79.5mmX3.386in./86mm	5
1588CC (1.6L) YH Volkswagen	1975-1980	3.130in./79.5mmX3.150in./80mm	1	2144CC (2.2L) WX SOHC Turbocharged	1983-1986	3.130in./79.5mmX3.386in./86mm	7
1588CC (1.6L) YK Volkswagen	1975-1980	3.130in./79.5mmX3.150in./80mm	1	2226CC (2.2L) AAN DOHC Turbocharged	1992-1995	3.189in./81mmX3.386in./86mm	5
1715CC (1.7L) WT Volkswagen	1981-1984	3.130in./79.5mmX3.386in./86mm	3	2226CC (2.2L) JT/KX Volkswagen	1984-1987	3.189in./81mmX3.386in./86mm	5
1780CC (1.8L) JN Volkswagen	1984	3.189in./81mmX3.386in./86mm	2	2226CC (2.2L) KZ SOHC	1985-1987	3.189in./81mmX3.386in./86mm	5
1780CC (1.8L) MG	1985-1987	3.189in./81mmX3.386in./86mm	2	2226CC (2.2L) MC SOHC Turbocharged	1986-1991	3.189in./81mmX3.386in./86mm	5
1781CC (1.8L) AEB Volkswagen	1997-2000	3.189in./81mmX3.402in./86.4mm	4	2309CC (2.3L) 7A DOHC	1989-1991	3.248in./82.5mmX3.386in./86mm	5
Turbocharged/Intercooled				2309CC (2.3L) NF SOHC	1988-1991	3.248in./82.5mmX3.386in./86mm	5
1984CC (2.0L) 3A SOHC	1988-1991	3.248in./82.5mmX3.650in./92.7mm	2	2309CC (2.3L) NG SOHC	1988-1992	3.248in./82.5mmX3.386in./86mm	5
5 CYL				6 CYL			
1986CC (2.0L) CN SOHC Diesel	1979-1982	3.012in./76.5mmX3.386in./86mm	5	2771CC (2.8L) AHA DOHC	1998-1999	3.248in./82.5mmX3.400in./86.4mm	8

MODEL DATA							
Model	Engine	Years	Block	Model	Engine	Years	Block
80	1984CC (2.0L) 3A SOHC	1988-1991	2	4000	2226CC (2.2L) JT/KX Volkswagen	1984-1987	5
80	2309CC (2.3L) NG SOHC	1988-1992	5	5000	1986CC (2.0L) CN SOHC Diesel	1977-1983	5
90	1984CC (2.0L) 3A SOHC	1988-1989	2	5000	1986CC (2.0L) DE SOHC Diesel	1982-1985	5
90	2309CC (2.3L) 7A DOHC	1989-1991	5	5000	2144CC (2.2L) WD SOHC Volkswagen	1977-1983	6
90	2309CC (2.3L) NG SOHC	1988-1992	5	5000	2144CC (2.2L) WE Volkswagen	1977-1981	7
100	2309CC (2.3L) NF SOHC	1989-1991	5	5000	2144CC (2.2L) WK SOHC	1980-1983	6
200 Turbo	2226CC (2.2L) MC SOHC	1986-1991	5	5000	2144CC (2.2L) WU SOHC	1984	5
4000	1588CC (1.6L) YG Volkswagen	1975-1980	1	5000	2144CC (2.2L) KH SOHC	1984-1985	5
4000	1588CC (1.6L) YH Volkswagen	1975-1980	1	5000	2226CC (2.2L) KZ SOHC	1985-1987	5
4000	1588CC (1.6L) YK Volkswagen	1975-1980	1	5000	2226CC (2.2L) MC SOHC	1986-1988	5
4000	1588CC (1.6L) CR Volkswagen	1982	2	5000	2309CC (2.3L) NF SOHC	1987-1988	5
4000	1588CC (1.6L) CY Turbo Volkswagen Diesel	1982-1983	2	A4	1781CC (1.8L) AEB Volkswagen	1996-2000	4
4000	1588CC (1.6L) JK Volkswagen	1983	2	A4	2771CC (2.8L) AHA DOHC	1997-1999	8
4000	1715CC (1.7L) WT Volkswagen	1981-1984	3	A6	2771CC (2.8L) AHA DOHC	1998-1999	8
4000	1780CC (1.8L) JN Volkswagen	1984	2	Coupe	2144CC (2.2L) WE Volkswagen	1981-1984	7
4000	1780CC (1.8L) MG	1985-1987	2	Coupe	2226CC (2.2L) JT/KX Volkswagen	1984-1987	5
4000	2144CC (2.2L) WE Volkswagen	1980-1984	7	Coupe	2309CC (2.3L) 7A DOHC	1990-1991	5

AUDI (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Fox	1471CC (1.5L) ZD SOHC	1973	1	QUATTRO	2144CC (2.2L) KH SOHC	1984-1985	5
Fox	1471CC (1.5L) ZE SOHC	1973	1	QUATTRO	2144CC (2.2L) WX SOHC	1983-1987	7
Fox	1471CC (1.5L) XV/XW/XY/XZ	1974	1	QUATTRO	2226CC (2.2L) KZ SOHC	1985-1987	5
	Gas Volkswagen			QUATTRO	2226CC (2.2L) MC SOHC	1986-1987	5
Fox	1588CC (1.6L) YG Volkswagen	1975-1979	1	S4	2226CC (2.2L) AAN DOHC	1992-1994	5
Fox	1588CC (1.6L) YH Volkswagen	1975-1979	1	S6	2226CC (2.2L) AAN DOHC	1995-1997	5
QUATTRO	2144CC (2.2L) WK SOHC	1980-1983	6				

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
035D	3.386in./86mm	6	035D	3.386in./86mm	5	A1456	3.150in./80mm	1
035D	3.386in./86mm	7	391101	3.150in./80mm	1			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	1471CC (1.5L) XV/XW/XY/XZ Gas Volkswagen 4 Cyl (1974)	3.012in./76.5mm x 3.150in./80mm	1
	1471CC (1.5L) ZD SOHC, ZE SOHC 4 Cyl (1973)	3.012in./76.5mm x 3.150in./80mm	
	1588CC (1.6L) YG, YH, YK Volkswagen 4 Cyl (1975-1980)	3.130in./79.5mm x 3.150in./80mm	

Rod Bearing(4)	TM-77	CB-1017P	STD., 25mm., 50mm., 75mm	1.8087/1.8094	0.0016/0.0040	0.0593	1.9291/1.9298	0.7480

Main Bearing Set	AL-3	MS-1659P	STD., 25mm., 50mm., 75mm	2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
3		MB-693AL(F)						

NOTE: Undersize Sets Contain .10mm Oversize Length Flanged Bearing, Will Also Service Engines Equipped With Thrust Washers

Main Bearing Set	AL-3	MS-2070P-.25mm	.50mm	2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
3		MB-3567P(F)						

NOTE: All Sizes Contain Standard Length Flanged Bearing, Will Also Service Engines Equipped With Thrust Washers

Aux. Shaft Bearing Set	B-1	SH-1209S	STD					
1		SH-1209		1.6913/1.6919	0.0011/0.0039	0.0590	1.8110/1.8120	0.5900
2		SH-1210		1.6519/1.6525	0.0011/0.0033	0.0590	1.7716/1.7726	0.5900

Piston Pin Bushing(4)	C-1	223-3547	STD			0.1190	0.9843/0.9851	0.9843

NOTE: Requires Light Reaming, Connecting Rod Bushing

C/S Forging	A1456, 391101

Connecting Rod	33 Lbs.Ft.
Main Bearing	47 Lbs.Ft.

2	1588CC (1.6L) CR Volkswagen Diesel 4 Cyl (1982-1983)	3.012in./76.5mm x 3.386in./86mm	2
	1588CC (1.6L) CY Turbo Volkswagen Turbocharged Diesel 4 Cyl (1983)	3.130in./79.5mm x 3.150in./80mm	
	1588CC (1.6L) JK Volkswagen Diesel 4 Cyl (1983)	3.012in./76.5mm x 3.386in./86mm	
	1780CC (1.8L) JN Volkswagen 4 Cyl (1984)	3.189in./81mm x 3.386in./86mm	
	1780CC (1.8L) MG 4 Cyl (1985-1987)	3.189in./81mm x 3.386in./86mm	
	1984CC (2.0L) 3A SOHC 4 Cyl (1988-1991)	3.248in./82.5mm x 3.650in./92.7mm	

Rod Bearing(4)	TM-77	CB-1426P	STD., 25mm., 50mm	1.8802/1.8810	0.0009/0.0032	0.0553	1.9921/1.9929	0.7480

NOTE: Oil Hole In Bearing

Main Bearing Set	AL-3	MS-1659P	STD., 25mm., 50mm., 75mm	2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
3		MB-693AL(F)						

NOTE: Undersize Sets Contain .10mm Oversize Length Flanged Bearing, Will Also Service Engines Equipped With Thrust Washers

Main Bearing Set	AL-3	MS-2070P-.25mm	.50mm	2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
3		MB-3567P(F)						

NOTE: All Sizes Contain Standard Length Flanged Bearing, Will Also Service Engines Equipped With Thrust Washers

Connecting Rod	22 Lbs.Ft. Plus 90 Degrees (1780CC (1.8L) JN, 1780CC (1.8L) MG)
Connecting Rod	33 Lbs.Ft. (1588CC (1.6L) CR, 1588CC (1.6L) CY Turbo, 1588CC (1.6L) JK)
Main Bearing	47 Lbs.Ft. (1588CC (1.6L) CR, 1588CC (1.6L) CY Turbo, 1588CC (1.6L) JK)
Main Bearing	50 Lbs.Ft. (1780CC (1.8L) JN, 1780CC (1.8L) MG)

AUDI (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
3	1715CC (1.7L) WT Volkswagen 4 Cyl (1981-1984)				3.130in./79.5mm x 3.386in./86mm			3
Rod Bearing(4)	TM-77	CB-1017P	STD.,.25mm,.50mm,.75mm	1.8087/1.8094	0.0016/0.0040	0.0593	1.9291/1.9298	0.7480
Main Bearing Set 1-2-4-5 3	AL-3	MS-1659P MB-692AL MB-693AL(F)	STD.,.25mm,.50mm,.75mm	2.1236/2.1244 2.1236/2.1244	0.0016/0.0041 0.0016/0.0041	0.0985 0.0985	2.3228/2.3236 2.3228/2.3236	0.7280 0.9820
NOTE: Undersize Sets Contain .10mm Oversize Length Flanged Bearing,Will Also Service Engines Equipped With Thrust Washers								
Main Bearing Set 1-2-4-5 3	AL-3	MS-2070P-.25mm MB-692AL MB-3567P(F)	.50mm	2.1236/2.1244 2.1236/2.1244	0.0016/0.0041 0.0016/0.0041	0.0985 0.0985	2.3228/2.3236 2.3228/2.3236	0.7280 0.9820
NOTE: All Sizes Contain Standard Length Flanged Bearing,Will Also Service Engines Equipped With Thrust Washers								
Aux. Shaft Bearing Set 1 2	B-1	SH-1209S SH-1209 SH-1210	STD	1.6913/1.6919 1.6519/1.6525	0.0011/0.0039 0.0011/0.0033	0.0590 0.0590	1.8110/1.8120 1.7716/1.7726	0.5900 0.5900
Connecting Rod Main Bearing	33 Lbs.Ft. 47 Lbs.Ft.							
4	1781CC (1.8L) AEB Volkswagen Turbocharged/Intercooled 4 Cyl (1997-2000)				3.189in./81mm x 3.402in./86.4mm			4
Rod Bearing(4)	TM-1	CB-1821P	STD.,.25mm,.50mm	1.8802/1.8810	0.0008/0.0026	0.0554	1.9921/1.9926	0.7480
Main Bearing Set 1-2-3-5 4	AL-6	MS-2227AL MB-3792AL MB-3793AL	STD.,.25mm,.50mm	2.1243/2.1251 2.1243/2.1251	0.0007/0.0030 0.0008/0.0032	0.0985 0.0985	2.3228/2.3236 2.3228/2.3236	0.7283 0.7283
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-612S								
Thrust Washer Set		TW-612S MB-3794WU MB-3794WL	STD	2.3425 2.3425		0.0778 0.0778	2.8819 2.8819	
NOTE: Contains 4 Pieces, Use With Part Number MS-2227AL								
5 CYL								
5	1986CC (2.0L) CN SOHC Diesel 5 Cyl (1979-1982) 1986CC (2.0L) DE SOHC Turbocharged Diesel 5 Cyl (1983-1985) 2144CC (2.2L) KH SOHC Turbocharged 5 Cyl (1984-1985) 2144CC (2.2L) WU SOHC 5 Cyl (1984) 2226CC (2.2L) AAN DOHC Turbocharged 5 Cyl (1992-1995) 2226CC (2.2L) JT/KX Volkswagen 5 Cyl (1984-1987) 2226CC (2.2L) KZ SOHC 5 Cyl (1985-1987) 2226CC (2.2L) MC SOHC Turbocharged 5 Cyl (1986-1991) 2309CC (2.3L) 7A DOHC 5 Cyl (1989-1991) 2309CC (2.3L) NF SOHC 5 Cyl (1988-1991) 2309CC (2.3L) NG SOHC 5 Cyl (1988-1992)				3.012in./76.5mm x 3.386in./86mm 3.012in./76.5mm x 3.386in./86mm 3.130in./79.5mm x 3.386in./86mm 3.130in./79.5mm x 3.386in./86mm 3.189in./81mm x 3.386in./86mm 3.189in./81mm x 3.386in./86mm 3.189in./81mm x 3.386in./86mm 3.189in./81mm x 3.386in./86mm 3.248in./82.5mm x 3.386in./86mm 3.248in./82.5mm x 3.386in./86mm 3.248in./82.5mm x 3.386in./86mm			5
Rod Bearing(5)	TM-77	CB-1426P	STD.,.25mm,.50mm	1.8802/1.8810	0.0009/0.0032	0.0553	1.9921/1.9929	0.7480
Main Bearing Set 1-2-4-5-6 3	TM-77	MS-1434P-.25mm MB-2661P MB-2662P(F)		2.2818/2.2826 2.2818/2.2826	0.0012/0.0032 0.0012/0.0032	0.0985 0.0985	2.4803/2.4810 2.4803/2.4810	0.7280 0.9820
C/S Forging	035D							
Connecting Rod	22 Lbs.Ft. Plus 90 Degrees (	2226CC (2.2L) AAN DOHC,2226CC (2.2L) JT,2226CC (2.2L) KZ SOHC,2226CC (2.2L) MC SOHC,2309CC (2.3L) 7A DOHC,2309CC (2.3L) NF SOHC,2309CC (2.3L) NG SOHC)						
Connecting Rod	33 Lbs.Ft. (	1986CC (2.0L) CN SOHC,1986CC (2.0L) DE SOHC)						
Connecting Rod	36 Lbs.Ft. (	2144CC (2.2L) KH SOHC,2144CC (2.2L) WU SOHC)						
Main Bearing	47 Lbs.Ft.							
6	2144CC (2.2L) WD SOHC Volkswagen 5 Cyl (1978-1983) 2144CC (2.2L) WK SOHC Turbocharged 5 Cyl (1980-1983)				3.130in./79.5mm x 3.386in./86mm 3.130in./79.5mm x 3.386in./86mm			6
Rod Bearing(5)	TM-77	CB-1017P	STD.,.25mm,.50mm,.75mm	1.8087/1.8094	0.0016/0.0040	0.0593	1.9291/1.9298	0.7480
Main Bearing Set 1-2-4-5-6 3	TM-77	MS-1434P-.25mm MB-2661P MB-2662P(F)		2.2818/2.2826 2.2818/2.2826	0.0012/0.0032 0.0012/0.0032	0.0985 0.0985	2.4803/2.4810 2.4803/2.4810	0.7280 0.9820
NOTE: Will Also Service Engines Equipped With Thrust Washers								
C/S Forging	035D							

AUDI (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
5 CYL (Cont.)								
6 (Cont.)	2144CC (2.2L) WD SOHC Volkswagen 5 Cyl (1978-1983)				3.130in./79.5mm x 3.386in./86mm			6 (Cont.)
	2144CC (2.2L) WK SOHC Turbocharged 5 Cyl (1980-1983)				3.130in./79.5mm x 3.386in./86mm			
Connecting Rod	22 Lbs.Ft. Plus 90 Degrees (2144CC (2.2L) WD SOHC)							
Connecting Rod	36 Lbs.Ft. (2144CC (2.2L) WD SOHC,2144CC (2.2L) WK SOHC)							
Main Bearing	47 Lbs.Ft.							
7	2144CC (2.2L) WE Volkswagen 5 Cyl (1978-1984)				3.130in./79.5mm x 3.386in./86mm			7
	2144CC (2.2L) WX SOHC Turbocharged 5 Cyl (1983-1986)				3.130in./79.5mm x 3.386in./86mm			
Rod Bearing(5)	TM-77	CB-1017P	STD.,.25mm.,.50mm.,.75mm	1.8087/1.8094	0.0016/0.0040	0.0593	1.9291/1.9298	0.7480
NOTE: 2144CC (2.2L) WX SOHC (1983),2144CC (2.2L) WE (1978-1983)								
Rod Bearing(5)	TM-77	CB-1426P	STD.,.25mm.,.50mm	1.8802/1.8810	0.0009/0.0032	0.0553	1.9921/1.9929	0.7480
NOTE: 2144CC (2.2L) WX SOHC (1984-1986),2144CC (2.2L) WE (1984)								
Main Bearing Set	TM-77	MS-1434P-.25mm						
1-2-4-5-6		MB-2661P						
3		MB-2662P(F)						
NOTE: Will Also Service Engines Equipped With Thrust Washers								
C/S Forging	035D							
Connecting Rod	36 Lbs.Ft.							
Main Bearing	47 Lbs.Ft.							

6 CYL

8	2771CC (2.8L) AHA DOHC V6 Cyl (1998-1999)				3.248in./82.5mm x 3.400in./86.4mm			8
Rod Bearing(6)	TM-1	CB-1823P	STD.,.25mm	2.1243/2.1251	0.0008/0.0027	0.0711	2.2677/2.2682	0.6693
Main Bearing Set	TM-1	MS-2228P	STD					
1-2-3-4		MB-3795P		2.5574/2.5582	0.0008/0.0027	0.0987	2.7559/2.7567	0.7087
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-613S								
Thrust Washer Set		TW-613S	STD					
		MB-3796WU		2.7756		0.0774	3.3425	
		MB-3796WL		2.7756		0.0774	3.3425	
NOTE: Contains 4 Pieces, Use With Part Number MS-2228P								

AUSTIN

ENGINE DATA

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				4 CYL (Cont.)			
848CC (0.8L)	1959-1978	2.480in./63mmX2.677in./68mm	1	1070CC (1.1L)	1963-1965	2.795in./71mmX2.677in./68mm	1
948CC (0.9L)	1958-1964	2.478in./62.9mmX2.992in./76mm	1	1098CC (1.1L)	1962-1978	2.542in./64.6mmX3.307in./84mm	2
970CC (1.0L)	1963-1965	2.795in./71mmX2.441in./62mm	1	1275CC (1.3L)	1963-1978	2.780in./70.6mmX3.189in./81mm	3
997CC (1.0L)	1961-1964	2.441in./62mmX3.189in./81mm	1	1489CC (1.5L)	1956-1961	2.874in./73mmX3.540in./89.9mm	4
998CC (1.0L)	1961-1978	2.542in./64.6mmX2.992in./76mm	1	1798CC (1.8L)	1966-1978	3.160in./80.3mmX3.504in./89mm	5

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
1100	1098CC (1.1L)	1963-1974	2	Mark III	1098CC (1.1L)	1962-1970	2
1300	1275CC (1.3L)	1967-1978	3	Mini Car	848CC (0.8L)	1959-1978	1
1800	1798CC (1.8L)	1966-1978	5	Mini Car	998CC (1.0L)	1968-1978	1
	1798CC (1.8L)	1964-1978	5	Mini Car	1098CC (1.1L)	1965-1978	2
A50 Cambridge	1489CC (1.5L)	1955-1957	4	Mini Car	1275CC (1.3L)	1969-1978	3
A55 Cambridge MK I	1489CC (1.5L)	1957-1958	4	Mini Cooper	997CC (1.0L)	1961-1964	1
A55 Cambridge MK II	1489CC (1.5L)	1959-1961	4	Mini Cooper	998CC (1.0L)	1965-1970	1
America	1275CC (1.3L)	1968-1972	3	Mini Cooper S	970CC (1.0L)	1963-1965	1
Cooper	998CC (1.0L)	1963-1969	1	Mini Cooper S	998CC (1.0L)	1963-1969	1
Healey	1275CC (1.3L)	1967-1970	3	Mini Cooper S	1070CC (1.1L)	1963-1965	1
Hornet	848CC (0.8L)	1961-1965	1	Mini Cooper S	1275CC (1.3L)	1963-1971	3
Hornet	998CC (1.0L)	1961-1969	1	Mini Moke	848CC (0.8L)	1964-1968	1
Marina	1275CC (1.3L)	1972-1978	3	Sprite	948CC (0.9L)	1958-1962	1
Marina	1798CC (1.8L)	1968-1978	5	Sprite	1098CC (1.1L)	1962-1970	2
Mark II	1098CC (1.1L)	1962-1970	2	Sprite	1275CC (1.3L)	1966-1970	3

AUSTIN (Cont.)

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
507	3.189in./81mm	3	17010	2.992in./76mm	1	G-124	2.441in./62mm	1	G-127	3.307in./84mm	2
3596	3.504in./89mm	5	17010	2.677in./68mm	1	G-124	2.677in./68mm	1	G-127	2.441in./62mm	1
3597	3.504in./89mm	5	AEG-521	3.189in./81mm	3	G-124	2.992in./76mm	1	G-127	2.677in./68mm	1
17009	2.992in./76mm	1	G-124	3.189in./81mm	1	G-124	3.189in./81mm	3	G-127	2.992in./76mm	1
17009	2.677in./68mm	1	G-124	3.307in./84mm	2	G-127	3.189in./81mm	1	G-127	3.189in./81mm	3

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
2A-717-A	2.992in./76mm	1	2A-829	2.677in./68mm	1	11G-74	2.992in./76mm	1	BE-53-B	2.992in./76mm	1
2A-717-A	2.677in./68mm	1	11C-74	2.992in./76mm	1	11G-74	2.677in./68mm	1	BE-53-B	2.677in./68mm	1
2A-829	2.992in./76mm	1	11C-74	2.677in./68mm	1	22H1954-A	3.504in./89mm	5			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	848CC (0.8L) 4 Cyl (1959-1978) 948CC (0.9L) 4 Cyl (1958-1964) 970CC (1.0L) 4 Cyl (1963-1965) 997CC (1.0L) 4 Cyl (1961-1964) 998CC (1.0L) 4 Cyl (1961-1978) 1070CC (1.1L) 4 Cyl (1963-1965)							1
	2.480in./63mm x 2.677in./68mm 2.478in./62.9mm x 2.992in./76mm 2.795in./71mm x 2.441in./62mm 2.441in./62mm x 3.189in./81mm 2.542in./64.6mm x 2.992in./76mm 2.795in./71mm x 2.677in./68mm							

Rod Bearing(4)	VP-2	CB-488P	STD,10,20,30	1.6254/1.6259	0.0013/0.0033	0.0719	1.7705/1.7710	0.8800

Rod Forging	17009, 17010, G-124, G-127							

C/S Forging	11C-74, 11G-74, 2A-829, BE-53-B, 2A-717-A							

Connecting Rod	35 Lbs.Ft.							
Main Bearing	60 Lbs.Ft. (970CC (1.0L) ,1070CC (1.1L))							
Main Bearing	60 To 65 Lbs.Ft. (848CC (0.8L) ,948CC (0.9L))							
Main Bearing	70 To 75 Lbs.Ft. (997CC (1.0L) ,998CC (1.0L))							

2	1098CC (1.1L) 4 Cyl (1962-1978)							2

Rod Bearing(4)	VP-2	CB-488P	STD,10,20,30	1.6254/1.6259	0.0013/0.0033	0.0719	1.7705/1.7710	0.8800

Cam Bearing Set	B-1	SH-85S	STD					
1		SH-1001		1.6645/1.6650	0.0013/0.0034	0.0640	1.7955/1.7965	1.1300
2		SH-1002		1.6227/1.6232	0.0011/0.0027	0.0640	1.7535/1.7540	0.7550
3		SH-1006		1.3727/1.3735	0.0010/0.0030	0.0640	1.5030/1.5040	0.7800

NOTE: 1964-1978

Rod Forging	G-124, G-127							

Connecting Rod	35 Lbs.Ft.							
Main Bearing	70 To 75 Lbs.Ft.							

3	1275CC (1.3L) 4 Cyl (1963-1978)							3

Rod Bearing(4)	VP-2	CB-488P	STD,10,20,30	1.6254/1.6259	0.0013/0.0033	0.0719	1.7705/1.7710	0.8800

NOTE: Engines With 1.6254"/1.6259" Diameter Shaft

Rod Bearing(4)	AL-3	CB-931AL	STD,10	1.7504/1.7509	0.0013/0.0027	0.0716	1.8955/1.8960	0.8500

NOTE: Engines With 1.7504"/1.7509" Diameter Shaft

Cam Bearing Set	B-1	SH-85S	STD					
1		SH-1001		1.6645/1.6650	0.0013/0.0034	0.0640	1.7955/1.7965	1.1300
2		SH-1002		1.6227/1.6232	0.0011/0.0027	0.0640	1.7535/1.7540	0.7550
3		SH-1006		1.3727/1.3735	0.0010/0.0030	0.0640	1.5030/1.5040	0.7800

NOTE: 1964-1978

Rod Forging	507, G-124, G-127, AEG-521							

Connecting Rod	45 Lbs.Ft.							
Main Bearing	60 Lbs.Ft.							

4	1489CC (1.5L) 4 Cyl (1956-1961)							4

Rod Bearing(4)	AL-3	CB-487AL	STD,10,20,30	1.8759/1.8764	0.0015/0.0031	0.0718	2.0210/2.0215	1.0050

Cam Bearing Set	B-1	SH-481S	STD					
1		SH-481		1.7887/1.7892	0.0014/0.0032	0.0622	1.9150/1.9157	1.4740
2		SH-482		1.7283/1.7291	0.0011/0.0038	0.0622	1.8547/1.8559	1.1299
3		SH-483		1.6224/1.6228	0.0016/0.0038	0.0622	1.7488/1.7500	0.8169

5	1798CC (1.8L) 4 Cyl (1966-1978)							5

Rod Bearing(4)	TM-77	CB-792P	STD,10,20,30	1.8759/1.8764	0.0019/0.0039	0.0716	2.0210/2.0215	0.7850

AUSTIN (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
5 (Cont.)	1798CC (1.8L) 4 Cyl (1966-1978)			3.160in./80.3mm x 3.504in./89mm				5 (Cont.)
Main Bearing Set	AL-3	MS-914P	STD,10,20,30					
1-3-5		MB-2367P		2.1265/2.1270	0.0013/0.0033	0.0715	2.2710/2.2715	1.1300
2-4		MB-18P		2.1265/2.1270	0.0013/0.0033	0.0715	2.2710/2.2715	0.7700
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-144S								
Thrust Washer Set		TW-144S	STD					
		MB-2058W		2.3400/2.3500			2.9330/2.9430	0.0930
		MB-2367W		2.3400/2.3500			2.9330/2.9430	0.0930
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-914P								
Cam Bearing Set	B-1	SH-481S	STD					
1		SH-481		1.7887/1.7892	0.0014/0.0032	0.0622	1.9150/1.9157	1.4740
2		SH-482		1.7283/1.7291	0.0011/0.0038	0.0622	1.8547/1.8559	1.1299
3		SH-483		1.6224/1.6228	0.0016/0.0038	0.0622	1.7488/1.7500	0.8169
Rod Forging	3596, 3597							
C/S Forging	22H1954-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							
BMW								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
1573CC (1.6L) SOHC 8 Valve	1964-1971	3.307in./84mmX2.795in./71mm	1	6 CYL (Cont.)				
1766CC (1.8L) SOHC 8 Valve	1980-1984	3.504in./89mmX2.795in./71mm	1	2693CC (2.7L) SOHC 12 Valve	1982-1988	3.307in./84mmX3.189in./81mm	3	
1773CC (1.8L) SOHC 8 Valve	1963-1967	3.307in./84mmX3.150in./80mm	1	2788CC (2.8L) SOHC 12 Valve	1969-1981	3.386in./86mmX3.150in./80mm	4	
1990CC (2.0L) SOHC 8 Valve	1966-1979	3.504in./89mmX3.150in./80mm	1	2985CC (3.0L) SOHC 12 Valve	1975-1978	3.504in./89mmX3.150in./80mm	4	
6 CYL				3210CC (3.2L) SOHC 12 Valve	1978-1984	3.504in./89mmX3.386in./86mm	4	
2443CC (2.4L) SOHC 12 Valve Turbocharged Diesel	1985-1986	3.150in./80mmX3.189in./81mm	2	3430CC (3.4L) SOHC 12 Valve	1985-1993	3.622in./92mmX2.913in./74mm	4	
2494CC (2.5L) SOHC 12 Valve	1987-1991	3.307in./84mmX2.953in./75mm	3	3453CC (3.5L) DOHC 24 VALVE	1987-1988	3.681in./93.5mmX3.307in./84mm	5	
2494CC (2.5L) SOHC 12 Valve	1969-1971	3.386in./86mmX2.819in./71.6mm	4					
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
2.8 Bavaria	2788CC (2.8L) SOHC 12 Valve	1971	4	635CSI	3430CC (3.4L) SOHC 12 Valve	1985-1989	4	
318i	1766CC (1.8L) SOHC 8 Valve	1984-1985	1	735iL	3430CC (3.4L) SOHC 12 Valve	1988-1992	4	
320i	1766CC (1.8L) SOHC 8 Valve	1980-1983	1	735i	3430CC (3.4L) SOHC 12 Valve	1985-1992	4	
320i	1990CC (2.0L) SOHC 8 Valve	1977-1979	1	1600	1573CC (1.6L) SOHC 8 Valve	1966-1971	1	
325	2693CC (2.7L) SOHC 12 Valve	1986-1988	3	1800	1773CC (1.8L) SOHC 8 Valve	1963-1967	1	
325E	2693CC (2.7L) SOHC 12 Valve	1984-1987	3	2000	1990CC (2.0L) SOHC 8 Valve	1966-1972	1	
325ES	2693CC (2.7L) SOHC 12 Valve	1986-1987	3	2000Tii	1990CC (2.0L) SOHC 8 Valve	1969-1972	1	
325iS	2494CC (2.5L) SOHC 12 Valve	1987-1990	3	2002	1990CC (2.0L) SOHC 8 Valve	1968-1976	1	
325i	2494CC (2.5L) SOHC 12 Valve	1987-1991	3	2002A	1990CC (2.0L) SOHC 8 Valve	1976	1	
325iX	2494CC (2.5L) SOHC 12 Valve	1988-1991	3	2002Ti	1990CC (2.0L) SOHC 8 Valve	1971	1	
524TD	2443CC (2.4L) SOHC 12 Valve Diesel	1985-1986	2	2002Tii	1990CC (2.0L) SOHC 8 Valve	1971-1974	1	
525i	2494CC (2.5L) SOHC 12 Valve	1989-1991	3	2500	2494CC (2.5L) SOHC 12 Valve	1969-1971	4	
528E	2693CC (2.7L) SOHC 12 Valve	1982-1988	3		1573CC (1.6L) SOHC 8 Valve	1964-1976	1	
528i	2788CC (2.8L) SOHC 12 Valve	1979-1981	4		1990CC (2.0L) SOHC 8 Valve	1965-1976	1	
530i	2985CC (3.0L) SOHC 12 Valve	1975-1978	4		2788CC (2.8L) SOHC 12 Valve	1969-1976	4	
533i	3210CC (3.2L) SOHC 12 Valve	1980-1984	4	L6	3430CC (3.4L) SOHC 12 Valve	1987	4	
535i	3430CC (3.4L) SOHC 12 Valve	1985-1993	4	L7	3430CC (3.4L) SOHC 12 Valve	1986-1987	4	
535iS	3430CC (3.4L) SOHC 12 Valve	1987-1988	4	M5	3453CC (3.5L) DOHC 24 VALVE	1988	5	
630CSI	2985CC (3.0L) SOHC 12 Valve	1977	4	M6	3453CC (3.5L) DOHC 24 VALVE	1987-1988	5	
633CSI	3210CC (3.2L) SOHC 12 Valve	1978-1984	4					

BMW (Cont.)**CONNECTING ROD FORGING NUMBERS**

Forging No.	Stroke	Block			
1278848	3.189in./81mm	3			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block		
1252126	3.150in./80mm	1	1252126	2.795in./71mm	1		

COUNTER DATA**SHOP DATA**

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	1573CC (1.6L) SOHC 8 Valve 4 Cyl (1964-1971)				3.307in./84mm x 2.795in./71mm				1
	1766CC (1.8L) SOHC 8 Valve 4 Cyl (1980-1984)				3.504in./89mm x 2.795in./71mm				
	1773CC (1.8L) SOHC 8 Valve 4 Cyl (1963-1967)				3.307in./84mm x 3.150in./80mm				
	1990CC (2.0L) SOHC 8 Valve 4 Cyl (1966-1979)				3.504in./89mm x 3.150in./80mm				
Rod Bearing(4)		TM-77	CB-809P	STD, .25mm, .50mm	1.8888/1.8894	0.0013/0.0033	0.0785	2.0472/2.0476	0.7870

C/S Forging 1252126

Connecting Rod 38 To 41 Lbs.Ft.
Main Bearing 42 To 46 Lbs.Ft.**6 CYL**

2	2443CC (2.4L) SOHC 12 Valve Turbocharged Diesel 6 Cyl (1985-1986)				3.150in./80mm x 3.189in./81mm				2
Main Bearing Set	TM-1	MS-1606P-.25mm							
1-2-3-4-5-7		MB-2910P	2.3610/2.3618	0.0007/0.0030	0.0983	2.5591/2.5598	0.7870		
6		MB-2911P(F)	2.3610/2.3618	0.0007/0.0030	0.0983	2.5591/2.5598	0.9820		
NOTE: .25mm Undersize Set Contains .20mm Oversize Length Flanged Bearing									

Connecting Rod 14 Lbs.Ft. Plus 70 Degrees
Main Bearing 43 To 48 Lbs.Ft.

3	2494CC (2.5L) SOHC 12 Valve 6 Cyl (1987-1991)				3.307in./84mm x 2.953in./75mm				3
	2693CC (2.7L) SOHC 12 Valve 6 Cyl (1982-1988)				3.307in./84mm x 3.189in./81mm				
Rod Bearing(6)	TM-77	CB-1171P	STD, .25mm, .50mm	1.7707/1.7713	0.0012/0.0028	0.0590	1.8898/1.8904	0.7090	
Piston Pin Bushing(6)	C-1	223-3619	STD				0.9449/0.9457	0.8661	
NOTE: Requires Boring									

Rod Forging 1278848

Connecting Rod 15 Lbs.Ft. Plus 70 Degrees

4	2494CC (2.5L) SOHC 12 Valve 6 Cyl (1969-1971)			3.386in./86mm x 2.819in./71.6mm			4
	2788CC (2.8L) SOHC 12 Valve 6 Cyl (1969-1981)			3.386in./86mm x 3.150in./80mm			
	2985CC (3.0L) SOHC 12 Valve 6 Cyl (1975-1978)			3.504in./89mm x 3.150in./80mm			
	3210CC (3.2L) SOHC 12 Valve 6 Cyl (1978-1984)			3.504in./89mm x 3.386in./86mm			
	3430CC (3.4L) SOHC 12 Valve 6 Cyl (1985-1993)			3.622in./92mm x 2.913in./74mm			

Rod Bearing(6) TM-77 CB-809P STD, .25mm, .50mm 1.8888/1.8894 0.0013/0.0033 0.0785 2.0472/2.0476 0.7870

NOTE: 2494CC (2.5L) SOHC 12 Valve (1969-1971), 2788CC (2.8L) SOHC 12 Valve (1969-1971; 1979-1981), 2985CC (3.0L) SOHC 12 Valve (1975-1978), 3210CC (3.2L) SOHC 12 Valve (1978-1984), 3430CC (3.4L) SOHC 12 Valve (1985-1993)

Connecting Rod 15 Lbs.Ft. Plus 70 Degrees

5	3453CC (3.5L) DOHC 24 VALVE 6 Cyl (1987-1988)			3.681in./93.5mm x 3.307in./84mm				5
Rod Bearing(6)	TM-77	CB-1018P	STD, .25mm	1.8888/1.8894	0.0027/0.0049	0.0778	2.0472/2.0478	0.7870

BENDIX-WESTINGHOUSE AIR									
ENGINE DATA									
Engine	Years			Block	Engine	Years			Block
2 CYL					4 CYL				
10 CID (0.2L) Bendix Westinghouse Air Conditioning					33 CID (0.5L) Bendix Westinghouse Air Conditioning				
13 CID (0.2L) Bendix Westinghouse Air Conditioning									
16 CID (0.3L) Bendix Westinghouse Air Conditioning									
17 CID (0.3L) Bendix Westinghouse Air Conditioning									
20 CID (0.3L) Bendix Westinghouse Air Conditioning									
MODEL DATA									
Model	Engine	Years	Block	Model	Engine	Years	Block		
2U-7-1/4	10 CID (0.2L) Bendix Westinghouse Air Conditioning		1	TU-FLO 400	10 CID (0.2L) Bendix Westinghouse Air Conditioning		1		
3U-12	13 CID (0.2L) Bendix Westinghouse Air Conditioning		2	TU-FLO 500	17 CID (0.3L) Bendix Westinghouse Air Conditioning		2		
Compressor TU-501	16 CID (0.3L) Bendix Westinghouse Air Conditioning		3	TU-FLO 600	20 CID (0.3L) Bendix Westinghouse Air Conditioning		2		
E	17 CID (0.3L) Bendix Westinghouse Air Conditioning		2	TU-FLO 1000	33 CID (0.5L) Bendix Westinghouse Air Conditioning		4		
F12	17 CID (0.3L) Bendix Westinghouse Air Conditioning		2	U	10 CID (0.2L) Bendix Westinghouse Air Conditioning		1		
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
									2 CYL
1	10 CID (0.2L) Bendix Westinghouse Air Conditioning 2 Cyl				2.062in./52.4mm x 1.500in./38.1mm				1
Rod Bearing(2)	B-1	CB-504B	STD,10,20,30	1.1242/1.1250	0.0006/0.0025	0.0522	1.2295/1.2300	0.7950	
NOTE: Connecting Rod Forging Number 223070									
Rod Bearing(2)	B-1	CB-656B	STD,10,20,30	1.1242/1.1250	0.0006/0.0025	0.0522	1.2295/1.2300	0.7410	
NOTE: Connecting Rod Forging Number 228199									
2	13 CID (0.2L) Bendix Westinghouse Air Conditioning 2 Cyl				2.188in./55.6mm x 1.690in./42.9mm				2
	17 CID (0.3L) Bendix Westinghouse Air Conditioning 2 Cyl				2.500in./63.5mm x 1.690in./42.9mm				
	20 CID (0.3L) Bendix Westinghouse Air Conditioning 2 Cyl				2.750in./69.9mm x 1.690in./42.9mm				
Rod Bearing(2)	B-1	CB-505B	STD,10,20	1.1242/1.1250	0.0006/0.0025	0.0522	1.2295/1.2300	0.9830	
NOTE: Single Locking Lip Type									
Rod Bearing(2)	B-1	CB-673B	STD,10,20,30	1.1242/1.1250	0.0006/0.0025	0.0522	1.2295/1.2300	0.9290	
NOTE: Double Locking Lip Type									
3	16 CID (0.3L) Bendix Westinghouse Air Conditioning 2 Cyl				2.625in./66.7mm x 1.500in./38.1mm				3
Rod Bearing(2)	B-2	CB-1221M	STD,10,20,30	1.1242/1.1250	0.0008/0.0032	0.0521	1.2295/1.2305	0.6300	
									4 CYL
4	33 CID (0.5L) Bendix Westinghouse Air Conditioning 4 Cyl				2.500in./63.5mm x 1.690in./42.9mm				4
Rod Bearing(4)	AL-3	CB-1211AL	STD,10,20	1.1242/1.1250	0.0010/0.0028	0.0525	1.2295/1.2300	0.4690	
BERTONE									
ENGINE DATA									
Engine	Years	Bore & Stroke	Block						
1498CC (1.5L) SOHC Fiat	1984-1989	3.402in./86.4mmX2.520in./64mm	1						
MODEL DATA									
Model	Engine	Years	Block						
X-1/9	1498CC (1.5L) SOHC Fiat	1984-1989	1						
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
									4 CYL
1	1498CC (1.5L) SOHC Fiat 4 Cyl (1984-1989)				3.402in./86.4mm x 2.520in./64mm				1
Rod Bearing(4)	AL-3	CB-1332AL	STD,10,20	1.7916/1.7924	0.0012/0.0033	0.0607	1.9145/1.9152	0.7560	
Connecting Rod	38 Lbs.Ft.								
Main Bearing	59 Lbs.Ft.								

BUDA

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
1 CYL			6 CYL (Cont.)		
1BD38 38 CID (0.6L) Diesel	3.438in./87.3mmX4.125in./104.8mm	1	6B230 230 CID (3.8L) LPG	3.438in./87.33mmX4.125in./104.8mm	5
4 CYL			6B262 262 CID (4.3L) Flex	3.562in./90.5mmX4.375in./111.1mm	5
4B127 153 CID (2.5L)	3.438in./87.3mmX4.125in./104.8mm	2	6B273 273 CID (4.5L)	3.750in./95.3mmX4.125in./104.8mm	5
4B153 153 CID (2.5L)	3.438in./87.33mmX4.125in./104.8mm	2	6BD230 230 CID (3.8L) Diesel	3.438in./87.33mmX4.125in./104.8mm	5
4B157 153 CID (2.5L)	3.438in./87.3mmX4.125in./104.8mm	2	6BD273 273 CID (4.5L)	3.750in./95.3mmX4.125in./104.8mm	5
4B158 153 CID (2.5L)	3.438in./87.3mmX4.125in./104.8mm	2	6D230 230 CID (3.8L) Diesel	3.438in./87.33mmX4.125in./104.8mm	5
4B182 182 CID (3.0L)	3.750in./95.3mmX4.125in./104.8mm	2	6D262 262 CID (4.3L) Diesel	3.562in./90.5mmX4.375in./111.1mm	5
4BD153 153 CID (2.5L) Diesel	3.438in./87.33mmX4.125in./104.8mm	2	6D273 273 CID (4.5L) Diesel	3.750in./95.3mmX4.125in./104.8mm	6
4BD175 175 CID (2.9L) Diesel	3.563in./90.5mmX4.375in./111.1mm	3	6D516 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	7
4BD182 182 CID (3.0L)	3.750in./95.3mmX4.125in./104.8mm	2	6D1516 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	7
4D153 153 CID (2.5L) Diesel	3.438in./87.33mmX4.125in./104.8mm	2	6DA230 230 CID (3.8L) Diesel	3.438in./87.33mmX4.125in./104.8mm	5
4D175 175 CID (2.9L) Diesel	3.563in./90.5mmX4.375in./111.1mm	3	6DA262 262 CID (4.3L) Diesel	3.562in./90.5mmX4.375in./111.1mm	5
4D344 344 CID (5.6L) Diesel	4.438in./112.7mmX5.563in./141.3mm	4	6DA273 273 CID (4.5L) Diesel	3.750in./95.3mmX4.125in./104.8mm	5
4D1344 344 CID (5.6L) Diesel	4.438in./112.7mmX5.563in./141.3mm	4	6D262 262 CID (4.3L) Diesel	3.562in./90.5mmX4.375in./111.1mm	5
4DA153 153 CID (2.5L) Diesel	3.438in./87.33mmX4.125in./104.8mm	2	6DT262T 262 CID (4.3L)	3.562in./90.5mmX4.375in./111.1mm	5
4DA175 175 CID (2.9L) Diesel	3.563in./90.5mmX4.375in./111.1mm	3	6G230 230 CID (3.8L)	3.438in./87.33mmX4.125in./104.8mm	5
4DA182 182 CID (3.0L)	3.750in./95.3mmX4.125in./104.8mm	2	6G262 262 CID (4.3L)	3.562in./90.5mmX4.375in./111.1mm	5
4G153 153 CID (2.5L)	3.438in./87.33mmX4.125in./104.8mm	2	6G262 262 CID (4.3L) LPG	3.562in./90.5mmX4.375in./111.1mm	5
HD344 344 CID (5.6L) Diesel	4.438in./112.7mmX5.563in./141.3mm	4	AD5516 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	7
6 CYL			HD516 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	7
6B230 230 CID (3.8L)	3.438in./87.33mmX4.125in./104.8mm	5	TD5516 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	7

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
4349339	5.563in./141.3mm	4	4500141	4.125in./104.8mm	2	4500141	4.125in./104.8mm	5	4500141	4.125in./104.8mm	6
4349339	5.563in./141.3mm	7	4500141	4.375in./111.1mm	3	4500141	4.375in./111.1mm	5	B-5708	4.125in./104.8mm	2

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
4303200	4.125in./104.8mm	2	4502107	4.125in./104.8mm	6	4512978	4.125in./104.8mm	2	B-2097W	4.375in./111.1mm	3
4347501	5.563in./141.3mm	7	4503200	4.125in./104.8mm	2	4514465	4.125in./104.8mm	5	B-2106	4.125in./104.8mm	5
4348399	5.563in./141.3mm	4	4503200	4.375in./111.1mm	3	4514465	4.375in./111.1mm	5	B-2106	4.375in./111.1mm	5
4348425	5.563in./141.3mm	4	4505959	4.125in./104.8mm	5	4514465	4.125in./104.8mm	6	B-2106	4.125in./104.8mm	6
4348525	5.563in./141.3mm	4	4505959	4.375in./111.1mm	5	4514467	4.125in./104.8mm	5	B-2107	4.125in./104.8mm	5
4502106	4.125in./104.8mm	5	4505959	4.125in./104.8mm	6	4514467	4.375in./111.1mm	5	B-2107	4.375in./111.1mm	5
4502106	4.375in./111.1mm	5	4507700	4.125in./104.8mm	5	4514467	4.125in./104.8mm	6	B-2107	4.125in./104.8mm	6
4502106	4.125in./104.8mm	6	4507700	4.375in./111.1mm	5	B-769	4.125in./104.8mm	1	B-3200	4.125in./104.8mm	2
4502107	4.125in./104.8mm	5	4507700	4.125in./104.8mm	6	B-1937	4.125in./104.8mm	1	B-3200	4.375in./111.1mm	3
4502107	4.375in./111.1mm	5	4512316	4.125in./104.8mm	2	B-2097W	4.125in./104.8mm	2	B-5960	4.375in./111.1mm	3

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
1 CYL								
1	38 CID (0.6L) 1BD38 Diesel 1 Cyl				3.438in./87.3mm x 4.125in./104.8mm			1
Rod Bearing(1)	TM-112	CB-458P	STD,2,10,20,30,40	1.9975/1.9985	0.0016/0.0041	0.0802	2.1600/2.1605	1.2500
C/S Forging	B-769, B-1937							
4 CYL								
2	153 CID (2.5L) 4B127,4B157,4B158 4 Cyl				3.438in./87.3mm x 4.125in./104.8mm			2
	153 CID (2.5L) 4B153,4G153 4 Cyl				3.438in./87.33mm x 4.125in./104.8mm			
	153 CID (2.5L) 4BD153,4D153,4DA153 Diesel 4 Cyl				3.438in./87.33mm x 4.125in./104.8mm			
	182 CID (3.0L) 4B182,4BD182,4DA182 4 Cyl				3.750in./95.3mm x 4.125in./104.8mm			
Rod Bearing(4)	TM-112	CB-458P	STD,2,10,20,30,40	1.9975/1.9985	0.0016/0.0041	0.0802	2.1600/2.1605	1.2500
Main Bearing Set	TM-112	MS-226P	STD,10,20,30					
1		MB-1669P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.2550
2		MB-1671P(F)		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.8720
3		MB-1681P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.7550

BUDA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
2 (Cont.)	153 CID (2.5L) 4B127,4B157,4B158 4 Cyl			3.438in./87.3mm x 4.125in./104.8mm				2 (Cont.)
	153 CID (2.5L) 4B153,4G153 4 Cyl			3.438in./87.33mm x 4.125in./104.8mm				
	153 CID (2.5L) 4BD153,4D153,4DA153 Diesel 4 Cyl			3.438in./87.33mm x 4.125in./104.8mm				
	182 CID (3.0L) 4B182,4BD182,4DA182 4 Cyl			3.750in./95.3mm x 4.125in./104.8mm				
Cam Bearing Set	B-1	SH-386S	STD					
1		SH-386		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	1.1300
2-3		SH-387		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	0.8800
4		SH-388		1.2480/1.2490	0.0020/0.0050	0.0615	1.3740/1.3750	1.0100
Piston Pin Bushing(4)	C-1	223-3507	STD			0.0730	1.1270/1.1275	1.2560
NOTE: Requires Boring								
Rod Forging	B-5708, 4500141							
C/S Forging	B-3200, 4303200, 4503200, 4512316, 4512978, B-2097W							
Connecting Rod	50 To 60 Lbs.Ft.							
Main Bearing	125 To 135 Lbs.Ft.							
3	175 CID (2.9L) 4BD175,4D175,4DA175 Diesel 4 Cyl			3.563in./90.5mm x 4.375in./111.1mm				3
Rod Bearing(4)	TM-112	CB-458P	STD,2,10,20,30,40	1.9975/1.9985	0.0016/0.0041	0.0802	2.1600/2.1605	1.2500
Main Bearing Set	TM-112	MS-399P	STD,10,20,30					
1		MB-1669P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.2550
2-4		MB-1670P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.1300
3		MB-1671P(F)		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.8720
5		MB-1681P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.7550
Cam Bearing Set	B-1	SH-386S	STD					
1		SH-386		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	1.1300
2-3		SH-387		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	0.8800
4		SH-388		1.2480/1.2490	0.0020/0.0050	0.0615	1.3740/1.3750	1.0100
Rod Forging	4500141							
C/S Forging	B-3200, B-5960, 4503200, B-2097W							
Connecting Rod	50 To 60 Lbs.Ft.							
Main Bearing	125 To 135 Lbs.Ft.							
4	344 CID (5.6L) 4D1344,4D344,HD344 Diesel 4 Cyl			4.438in./112.7mm x 5.563in./141.3mm				4
Rod Bearing(4)	TM-112	CB-700P	STD,10,20,30,40	2.7715/2.7725	0.0025/0.0050	0.1253	3.0250/3.0255	1.3700
NOTE: Engines Requiring Bearings With Round Oil Hole								
Rod Bearing(4)	TM-112	CB-1369P	STD,10	2.7715/2.7725	0.0020/0.0050	0.1253	3.0250/3.0255	1.3700
NOTE: Engines Requiring Bearings With Offset Oil Slot								
Main Bearing Set	TM-112	MS-1632P	STD,10,20					
1-2-4		MB-2967P		3.4980/3.4990	0.0023/0.0050	0.1554	3.8118/3.8125	1.3570
3		MB-2968P		3.4980/3.4990	0.0023/0.0050	0.1554	3.8118/3.8125	2.2540
3		MB-2096W		3.5630/3.5730			4.6875	0.2020
5		MB-2300P		3.4980/3.4990	0.0023/0.0050	0.1554	3.8118/3.8125	2.0000
NOTE: Engines Requiring Bearings With Oil Slot, Contains 4 Piece Thrust Washer Set, Use In Number 3 Position,Contains Straight Shell Bearings								
Thrust Washer Set		TW-411S	STD,+5					
		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 3								
Rod Forging	4349339							
C/S Forging	4348399, 4348425, 4348525							
Connecting Rod	120 To 130 Lbs.Ft.							
Main Bearing	160 To 170 Lbs.Ft. (5/8" Bolts)							
Main Bearing	210 To 230 Lbs.Ft. (3/4" Bolts)							

BUDA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
5	230 CID (3.8L) 6B230,6G230 6 Cyl				3.438in./87.33mm x 4.125in./104.8mm			5
	230 CID (3.8L) 6B230 LPG 6 Cyl				3.438in./87.33mm x 4.125in./104.8mm			
	230 CID (3.8L) 6BD230,6D230,6DA230 Diesel 6 Cyl				3.438in./87.33mm x 4.125in./104.8mm			
	262 CID (4.3L) 6B262 Flex 6 Cyl				3.562in./90.5mm x 4.375in./111.1mm			
	262 CID (4.3L) 6D262,6DA262,6DD262 Diesel 6 Cyl				3.562in./90.5mm x 4.375in./111.1mm			
	262 CID (4.3L) 6DT262T,6G262 6 Cyl				3.562in./90.5mm x 4.375in./111.1mm			
	262 CID (4.3L) 6G262 LPG 6 Cyl				3.562in./90.5mm x 4.375in./111.1mm			
	273 CID (4.5L) 6B273,6BD273 6 Cyl				3.750in./95.3mm x 4.125in./104.8mm			
273 CID (4.5L) 6DA273 Diesel 6 Cyl				3.750in./95.3mm x 4.125in./104.8mm				
Rod Bearing(6)	TM-112	CB-458P	STD,2,10,20,30,40	1.9975/1.9985	0.0016/0.0041	0.0802	2.1600/2.1605	1.2500
Main Bearing Set	TM-112	MS-227P	STD,10,20,30					
1		MB-1669P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.2550
2-3-5-6		MB-1670P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.1300
4		MB-1671P(F)		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.8720
7		MB-1681P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.7550
Cam Bearing Set	B-1	SH-386S	STD					
1		SH-386		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	1.1300
2-3		SH-387		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	0.8800
4		SH-388		1.2480/1.2490	0.0020/0.0050	0.0615	1.3740/1.3750	1.0100
Piston Pin Bushing(6)	C-1	223-3507	STD			0.0730	1.1270/1.1275	1.2560
NOTE: Requires Boring								
Rod Forging	4500141							
C/S Forging	B-2106, B-2107, 4502106, 4502107, 4505959, 4507700, 4514465, 4514467							
Connecting Rod	50 To 60 Lbs.Ft.							
Main Bearing	125 To 135 Lbs.Ft.							
6	273 CID (4.5L) 6D273 Diesel 6 Cyl				3.750in./95.3mm x 4.125in./104.8mm			6
Rod Bearing(6)	TM-112	CB-458P	STD,2,10,20,30,40	1.9975/1.9985	0.0016/0.0041	0.0802	2.1600/2.1605	1.2500
Main Bearing Set	TM-112	MS-227P	STD,10,20,30					
1		MB-1669P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.2550
2-3-5-6		MB-1670P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.1300
4		MB-1671P(F)		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.8720
7		MB-1681P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.7550
Cam Bearing Set	B-1	SH-386S	STD					
1		SH-386		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	1.1300
2-3		SH-387		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	0.8800
4		SH-388		1.2480/1.2490	0.0020/0.0050	0.0615	1.3740/1.3750	1.0100
Rod Forging	4500141							
C/S Forging	B-2106, B-2107, 4502106, 4502107, 4505959, 4507700, 4514465, 4514467							
Connecting Rod	50 To 60 Lbs.Ft.							
Main Bearing	125 To 135 Lbs.Ft.							
7	516 CID (8.5L) 6D1516,6D516,ADS516,HD516,TDS516 Diesel 6 Cyl				4.438in./112.7mm x 5.563in./141.3mm			7
Rod Bearing(6)	TM-112	CB-700P	STD,10,20,30,40	2.7715/2.7725	0.0025/0.0050	0.1253	3.0250/3.0255	1.3700
NOTE: Engines Requiring Bearings With Round Oil Hole								
Rod Bearing(6)	TM-112	CB-1369P	STD,10	2.7715/2.7725	0.0020/0.0050	0.1253	3.0250/3.0255	1.3700
NOTE: Engines Requiring Bearings With Offset Oil Slot								
Main Bearing Set	TM-112	MS-769P						
NOTE: Contains Flanged Bearing, Use In Number 4 Position								
Main Bearing Set	TM-112	MS-1619P	STD,10,20					
1-2-3-5-6		MB-2967P		3.4980/3.4990	0.0023/0.0050	0.1554	3.8118/3.8125	1.3570
4		MB-2096W		3.5630/3.5730			4.6875	0.2020
7		MB-2300P		3.4980/3.4990	0.0023/0.0050	0.1554	3.8118/3.8125	2.0000
NOTE: Engines Requiring Bearings With Oil Slot, Contains 4 Piece Thrust Washer Set, Use In Number 4 Position,Contains Straight Shell Bearings								
Thrust Washer Set		TW-411S	STD,+5					
		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 4								
Rod Forging	4349339							
C/S Forging	4347501							

BUDA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
7 (Cont.)	516 CID (8.5L) 6D1516,6D516,ADS516,HD516,TDS516 Diesel 6 Cyl				4.438in./112.7mm x 5.563in./141.3mm			7 (Cont.)
Connecting Rod	120 To 130 Lbs.Ft.							
Main Bearing	160 To 170 Lbs.Ft. (5/8" Bolts)							
Main Bearing	210 To 230 Lbs.Ft. (3/4" Bolts)							

CASE

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
3 CYL			4 CYL (Cont.)		
3-290 Cummins 180 CID (3.0L) Diesel	4.016in./102mmX4.724in./120mm	1	F124 Continental 124 CID (2.0L)	3.000in./76.2mmX4.375in./111.1mm	6
3T-290 Cummins 180 CID (3.0L) Diesel Turbocharged	4.016in./102mmX4.724in./120mm	1	F140 Continental 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	7
B Series (2.9L) Cummins 180 CID (3.0L) Diesel	4.016in./102mmX4.724in./120mm	1	G126 126 CID (2.1L)	3.125in./79.4mmX4.125in./104.8mm	5
4 CYL			G148 148 CID (2.4L)	3.375in./85.7mmX4.125in./104.8mm	8
4-390 Cummins 239 CID (3.9L) Diesel	4.016in./102mmX4.724in./120mm	14	G148 148 CID (2.4L) LPG	3.375in./85.7mmX4.125in./104.8mm	8
4T-390 Cummins 239 CID (3.9L) Diesel Turbocharged	4.016in./102mmX4.724in./120mm	14	G148B 148 CID (2.4L)	3.375in./85.7mmX4.125in./104.8mm	8
124 124 CID (2.0L)	3.250in./82.6mmX3.750in./95.3mm	5	G159 159 CID (2.6L)	3.500in./88.9mmX4.125in./104.8mm	9
148G 148 CID (2.4L)	3.375in./85.7mmX4.125in./104.8mm	8	G159 159 CID (2.6L) LPG	3.500in./88.9mmX4.125in./104.8mm	9
159 159 CID (2.6L)	3.500in./88.9mmX4.125in./104.8mm	9	G159B 159 CID (2.6L)	3.500in./88.9mmX4.125in./104.8mm	9
159B 159 CID (2.6L)	3.500in./88.9mmX4.125in./104.8mm	9	G164 164 CID (2.7L)	3.563in./90.5mmX4.125in./104.8mm	9
159G 159 CID (2.6L)	3.500in./88.9mmX4.125in./104.8mm	9	G164 164 CID (2.7L) LPG	3.563in./90.5mmX4.125in./104.8mm	9
188 188 CID (3.1L) LPG	3.813in./96.9mmX4.125in./104.8mm	10	G188 188 CID (3.1L)	3.813in./96.9mmX4.125in./104.8mm	10
188S 188 CID (3.1L)	3.813in./96.9mmX4.125in./104.8mm	10	G188D 188 CID (3.1L) Diesel	3.813in./96.9mmX4.125in./104.8mm	11
201 201 CID (3.3L)	3.938in./100mmX4.125in./104.8mm	12	G207D 207 CID (3.4L) Diesel	4.000in./101.6mmX4.125in./104.8mm	13
207DT 207 CID (3.4L) Diesel Turbocharged	4.000in./101.6mmX4.125in./104.8mm	13	VA124 124 CID (2.0L)	3.250in./82.6mmX3.750in./95.3mm	5
251 251 CID (4.1L)	4.000in./101.6mmX5.000in./127mm	15	VAE 124 CID (2.0L)	3.250in./82.6mmX3.750in./95.3mm	5
251B 251 CID (4.1L)	4.000in./101.6mmX5.000in./127mm	15	VH4D Wisconsin 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	4
251BG 251 CID (4.1L)	4.000in./101.6mmX5.000in./127mm	15	W106 106 CID (1.7L)	3.000in./76.2mmX3.750in./95.3mm	2
251D 251 CID (4.1L) Diesel	4.000in./101.6mmX5.000in./127mm	15	6 CYL		
267 267 CID (4.4L) Diesel	4.125in./104.8mmX5.000in./127mm	15	6-590 Cummins 359 CID (5.9L) Diesel	4.016in./102mmX4.724in./120mm	17
267B 267 CID (4.4L) Diesel	4.125in./104.8mmX5.000in./127mm	15	6T-590 Cummins 359 CID (5.9L) Diesel Turbocharged	4.016in./102mmX4.724in./120mm	17
284G 284 CID (4.7L)	4.250in./108mmX5.000in./127mm	15	377 377 CID (6.2L)	4.000in./101.6mmX5.000in./127mm	18
301B 301 CID (4.9L) Diesel	4.375in./111.1mmX5.000in./127mm	15	377BG 377 CID (6.2L)	4.000in./101.6mmX5.000in./127mm	18
301BG 301 CID (4.9L)	4.375in./111.1mmX5.000in./127mm	15	401 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	18
336B 336 CID (5.5L) Diesel	4.625in./117.5mmX5.000in./127mm	16	401B 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	18
336BD 336 CID (5.5L) Diesel	4.625in./117.5mmX5.000in./127mm	16	401BD 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	18
336BDT 336 CID (5.5L) Diesel Turbocharged	4.625in./117.5mmX5.000in./127mm	16	401BDT 401 CID (6.6L) Diesel Turbocharged	4.125in./104.8mmX5.000in./127mm	18
207 CID (3.4L) Diesel	4.000in./101.6mmX4.125in./104.8mm	13	401D 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	18
301 CID (4.9L) Diesel	4.375in./111.1mmX5.000in./127mm	15	504 504 CID (8.3L) Diesel	4.625in./117.5mmX5.000in./127mm	19
A251 251 CID (4.1L)	4.000in./101.6mmX5.000in./127mm	15	504B 504 CID (8.3L) Diesel	4.625in./117.5mmX5.000in./127mm	19
A251 251 CID (4.1L) LPG	4.000in./101.6mmX5.000in./127mm	15	504D 504 CID (8.3L) Diesel	4.625in./117.5mmX5.000in./127mm	19
A251G 251 CID (4.1L)	4.000in./101.6mmX5.000in./127mm	15	504DT 504 CID (8.3L) Diesel	4.625in./117.5mmX5.000in./127mm	19
A251LP 251 CID (4.1L)	4.000in./101.6mmX5.000in./127mm	15	Turbocharged		
A251S 251 CID (4.1L)	4.000in./101.6mmX5.000in./127mm	15	504DTI 504 CID (8.3L) Diesel	4.625in./117.5mmX5.000in./127mm	19
A267 267 CID (4.4L) Diesel	4.125in./104.8mmX5.000in./127mm	15	Turbocharged		
A267BD 267 CID (4.4L) Diesel	4.125in./104.8mmX5.000in./127mm	15	451 CID (7.4L) Diesel	4.375in./111.1mmX5.000in./127mm	18
A267D 267 CID (4.4L) Diesel	4.125in./104.8mmX5.000in./127mm	15	A377 377 CID (6.2L) CNG	4.000in./101.6mmX5.000in./127mm	18
A284G 284 CID (4.7L)	4.250in./108mmX5.000in./127mm	15	A377D 377 CID (6.2L) Diesel	4.000in./101.6mmX5.000in./127mm	18
A284LP 284 CID (4.7L)	4.250in./108mmX5.000in./127mm	15	A377G 377 CID (6.2L)	4.000in./101.6mmX5.000in./127mm	18
A284S 284 CID (4.7L)	4.250in./108mmX5.000in./127mm	15	A377LP 377 CID (6.2L)	4.000in./101.6mmX5.000in./127mm	18
A284S 284 CID (4.7L) CNG	4.250in./108mmX5.000in./127mm	15	A377S 377 CID (6.2L) LPG	4.000in./101.6mmX5.000in./127mm	18
A284S 284 CID (4.7L) LPG	4.250in./108mmX5.000in./127mm	15	A401 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	18
A301 301 CID (4.9L) Diesel	4.375in./111.1mmX5.000in./127mm	15	A401BD 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	18
A301BD 301 CID (4.9L) Diesel	4.375in./111.1mmX5.000in./127mm	15	A401BDT 401 CID (6.6L) Diesel Turbocharged	4.125in./104.8mmX5.000in./127mm	18
A301D 301 CID (4.9L) Diesel	4.375in./111.1mmX5.000in./127mm	15	A401D 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	18
B Series (3.9L) Cummins 239 CID (3.9L) Diesel	4.016in./102mmX4.724in./120mm	14	A451BD 451 CID (7.4L) Diesel	4.375in./111.1mmX5.000in./127mm	18

CASE (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
A451BDT 451 CID (7.4L) Diesel Turbocharged	4.375in./111.1mmX5.000in./127mm	18	A504BDTI 504 CID (8.3L) Diesel Turbocharged	4.625in./117.5mmX5.000in./127mm	19
A451D 451 CID (7.4L) Diesel	4.375in./111.1mmX5.000in./127mm	18	B Series (5.9L) Cummins 359 CID (5.9L) Diesel	4.016in./102mmX4.724in./120mm	17
A504BD 504 CID (8.3L) Diesel	4.625in./117.5mmX5.000in./127mm	19	C Series Cummins 505 CID (8.3L) Diesel	4.490in./114mmX5.320in./135.1mm	20
A504BDT 504 CID (8.3L) Diesel Turbocharged	4.625in./117.5mmX5.000in./127mm	19			

MODEL DATA

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
77 Base Model	Combine	126 CID (2.1L) G126	5	310G Base Model	Picker	207 CID (3.4L) G207D Diesel	13
77 Base Model	Combine	148 CID (2.4L) G148	8	311 Base Model	Wheel Tractor	148 CID (2.4L) G148	8
80 Base Model	Combine	126 CID (2.1L) G126	5	311B Base Model	Wheel Tractor	148 CID (2.4L) G148	8
80 Base Model	Combine	148 CID (2.4L) G148	8	311B Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11
110 Base Model	Combine	124 CID (2.0L) VAE	5	312 Base Model	Wheel Tractor	148 CID (2.4L) G148	8
120 Base Model	Combine	251 CID (4.1L) A251	15	320 Base Model	Crawler	148 CID (2.4L) G148	8
120 Base Model	Combine	267 CID (4.4L) A267BD Diesel	15	320 Base Model	Crawler	188 CID (3.1L) G188D Diesel	11
150 Base Model	Combine	251 CID (4.1L) A251	15	320B Base Model	Wheel Tractor	148 CID (2.4L) G148	8
188D Type 11	Power Unit	188 CID (3.1L) G188D Diesel	11	320B Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11
188G Type 11	Power Unit	188 CID (3.1L) G188B	10	330 Base Model	Wheel Tractor	148 CID (2.4L) G148	8
200 Base Model	Wheel Tractor	126 CID (2.1L) G126	5	330 Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11
200 Base Model	Wheel Tractor	148 CID (2.4L) G148	8	350 Base Model	Wheel Tractor	164 CID (2.7L) G164	9
200B Base Model	Lawn Tractor	126 CID (2.1L) G126	5	350 Base Model	Picker	188 CID (3.1L) G188D Diesel	11
210B Base Model	Lawn Tractor	126 CID (2.1L) G126	5	350 Base Model	Picker	207 CID (3.4L) G207D Diesel	13
210B Base Model	Wheel Tractor	148 CID (2.4L) G148	8	350B Base Model	Crawler	188 CID (3.1L) G188D Diesel	11
211B Base Model	Lawn Tractor	126 CID (2.1L) G126	5	351 Base Model	Wheel Tractor	164 CID (2.7L) G164	9
256 Base Model	Crawler	140 CID (2.3L) F140 Continental	7	377L Type 111	Power Unit	377 CID (6.2L) A377S	18
284G Type 111	Power Unit	284 CID (4.7L) A284S	15	377N Type 111	Power Unit	377 CID (6.2L) A377	18
284L Type 111	Power Unit	284 CID (4.7L) A284S	15	400 Base Model	Wheel Tractor	148 CID (2.4L) G148	8
284N Type 111	Power Unit	284 CID (4.7L) A284S	15	400 Base Model	Wheel Tractor	251 CID (4.1L) A251S	15
300 Base Model	Wheel Tractor	148 CID (2.4L) G148	8	400 Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15
300 Base Model	Combine	251 CID (4.1L) A251	15	400 Base Model	Skidder	336 CID (5.5L) 336BD Diesel	16
300 Base Model	Skidder	336 CID (5.5L) 336BD Diesel	16	400 Super Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15
300B Base Model	Wheel Tractor	148 CID (2.4L) G148	8	400B Base Model	Wheel Tractor	148 CID (2.4L) G148	8
300C Base Model	Skidder	336 CID (5.5L) 336BDT Diesel	16	400C Base Model	Skidder	336 CID (5.5L) 336BDT Diesel	16
301 Base Model	Combine	251 CID (4.1L) A251	15	400D Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11
302 Base Model	Combine	251 CID (4.1L) A251	15	401 Base Model	Wheel Tractor	251 CID (4.1L) A251S	15
310 Base Model	Wheel Tractor	148 CID (2.4L) G148	8	401 Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15
310 Base Model	Crawler	188 CID (3.1L) G188D Diesel	11	401 Base Model	Crawler	504 CID (8.3L) A504BDT Diesel	19
310 Base Model	Crawler	207 CID (3.4L) G207D Diesel	13	401D Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11
310B Base Model	Wheel Tractor	148 CID (2.4L) G148	8	401D Type 111	Power Unit	401 CID (6.6L) 401 Diesel	18
310B Base Model	Crawler	188 CID (3.1L) G188D Diesel	11	402 D	Wheel Tractor	188 CID (3.1L) G188D Diesel	11
310C Base Model	Crawler	148 CID (2.4L) G148	8	402 Base Model	Wheel Tractor	251 CID (4.1L) A251S	15
310D Base Model	Wheel Tractor	148 CID (2.4L) G148B	8	402 Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15
310D Type 111	Power Unit	301 CID (4.9L) A301D Diesel	15	403 D	Wheel Tractor	188 CID (3.1L) G188D Diesel	11
310E Base Model	Wheel Tractor	148 CID (2.4L) G148B	8	403 Base Model	Wheel Tractor	251 CID (4.1L) A251S	15
310E Base Model	Picker	188 CID (3.1L) G188D Diesel	11	403 Super	Wheel Tractor	267 CID (4.4L) A267D Diesel	15
310E Base Model	Picker	207 CID (3.4L) G207D Diesel	13				
310F Base Model	Crawler	148 CID (2.4L) G148B	8				
310F Base Model	Picker	188 CID (3.1L) G188D Diesel	11				
310F Base Model	Picker	207 CID (3.4L) G207D Diesel	13				
310G Base Model	Crawler	148 CID (2.4L) G148B	8				
310G Base Model	Picker	188 CID (3.1L) G188D Diesel	11				

CASE (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
410 Base Model	Wheel Tractor	148 CID (2.4L) G148	8	480CKC Base Model	Wheel Tractor	188 CID (3.1L) G188D	11
410 Base Model	Wheel Tractor	251 CID (4.1L) A251S	15			Diesel	
410 Base Model	Wheel Tractor	267 CID (4.4L) A267D	15	480D Base Model	Wheel Tractor	188 CID (3.1L) G188D	11
		Diesel				Diesel	
410B Base Model	Wheel Tractor	148 CID (2.4L) G148	8	480LL Base Model	Wheel Tractor	188 CID (3.1L) G188D	11
411 B	Wheel Tractor	148 CID (2.4L) G148	8			Diesel	
411 Base Model	Wheel Tractor	251 CID (4.1L) A251S	15	500 Base Model	Crawler	188 CID (3.1L) G188D	11
411 Base Model	Wheel Tractor	267 CID (4.4L) A267D	15			Diesel	
		Diesel		500 Base Model	Crawler	207 CID (3.4L) G207D	13
413 Base Model	Wheel Tractor	251 CID (4.1L) A251S	15			Diesel	
413 Base Model	Wheel Tractor	267 CID (4.4L) A267D	15	500 Base Model	Wheel Tractor	377 CID (6.2L) A377D	18
		Diesel				Diesel	
420 Base Model	Crawler	148 CID (2.4L) G148	8	500B Base Model	Wheel Tractor	164 CID (2.7L) G164	9
420 Base Model	Crawler	188 CID (3.1L) G188D	11	500LK Base Model	Wheel Tractor	188 CID (3.1L) G188D	11
		Diesel				Diesel	
420 Base Model	Crawler	251 CID (4.1L) A251	15	504 Base Model	Placer	504 CID (8.3L) A504BD	19
420B Base Model	Crawler	148 CID (2.4L) G148	8			Diesel	
420BD Base Model	Wheel Tractor	148 CID (2.4L) G148B	8	510B Base Model	Wheel Tractor	164 CID (2.7L) G164	9
420BG Base Model	Crawler	148 CID (2.4L) G148B	8	511B Base Model	Wheel Tractor	164 CID (2.7L) G164	9
420C Base Model	Crawler	148 CID (2.4L) G148	8	520 Base Model	Crawler	377 CID (6.2L) A377D	18
420C Base Model	Picker	188 CID (3.1L) G188D	11			Diesel	
		Diesel		530 Base Model	Wheel Tractor	159 CID (2.6L) G159	9
420C Base Model	Picker	207 CID (3.4L) G207D	13	530 Base Model	Loader	188 CID (3.1L) G188D	11
		Diesel				Diesel	
420CK Base Model	Wheel Tractor	148 CID (2.4L) G148	8	530CK Base Model	Wheel Tractor	159 CID (2.6L) G159	9
425 Base Model	Wheel Tractor	148 CID (2.4L) G148	8	530CK Base Model	Wheel Tractor	188 CID (3.1L) G188D	11
425 Base Model	Wheel Tractor	188 CID (3.1L) G188D	11			Diesel	
		Diesel		531 Base Model	Wheel Tractor	159 CID (2.6L) G159	9
430 Base Model	Crawler	148 CID (2.4L) G148B	8	531 Base Model	Wheel Tractor	188 CID (3.1L) G188D	11
430 Base Model	Crawler	188 CID (3.1L) G188D	11			Diesel	
		Diesel		540 Base Model	Wheel Tractor	159 CID (2.6L) G159	9
431 Base Model	Wheel Tractor	148 CID (2.4L) G148	8	540 Base Model	Wheel Tractor	188 CID (3.1L) G188D	11
431 Base Model	Wheel Tractor	188 CID (3.1L) G188D	11			Diesel	
		Diesel		540C Base Model	Loader	159 CID (2.6L) G159	9
440 Base Model	Wheel Tractor	148 CID (2.4L) G148B	8	540C Base Model	Loader	188 CID (3.1L) G188D	11
440 Base Model	Wheel Tractor	188 CID (3.1L) G188D	11			Diesel	
		Diesel		541 Base Model	Wheel Tractor	159 CID (2.6L) G159	9
441 Base Model	Wheel Tractor	148 CID (2.4L) G148B	8	541 Base Model	Wheel Tractor	188 CID (3.1L) G188D	11
441 Base Model	Wheel Tractor	188 CID (3.1L) G188D	11			Diesel	
		Diesel		541C Base Model	Wheel Tractor	159 CID (2.6L) G159	9
450 Base Model	Picker	188 CID (3.1L) G188D	11	541C Base Model	Wheel Tractor	188 CID (3.1L) G188D	11
		Diesel				Diesel	
450 Base Model	Picker	207 CID (3.4L) G207D	13	570 Base Model	Wheel Tractor	159 CID (2.6L) G159	9
		Diesel		570 Base Model	Wheel Tractor	188 CID (3.1L) G188D	11
450B Base Model	Crawler	207 CID (3.4L) G207D	13			Diesel	
		Diesel		580 Base Model	Wheel Tractor	188 CID (3.1L) G188D	11
470 Base Model	Wheel Tractor	148 CID (2.4L) G148B	8			Diesel	
470 Base Model	Wheel Tractor	188 CID (3.1L) G188D	11	580 Base Model	Wheel Tractor	207 CID (3.4L) G207D	13
		Diesel				Diesel	
475 Base Model	Layer	301 CID (4.9L) 301B	15	580A Base Model	Wheel Tractor	207 CID (3.4L) G207D	13
		Diesel				Diesel	
475 Base Model	Layer	336 CID (5.5L) 336BD	16	580B Base Model	Loader	159 CID (2.6L) G159	9
		Diesel		580B Base Model	Loader	188 CID (3.1L) G188D	11
480 Base Model	Crawler	148 CID (2.4L) G148B	8			Diesel	
480 Base Model	Crawler	188 CID (3.1L) G188D	11	580C Base Model	Loader	188 CID (3.1L) G188D	11
		Diesel				Diesel	
480 Base Model	Crawler	207 CID (3.4L) G207D	13	580C Base Model	Loader	207 CID (3.4L) G207D	13
		Diesel				Diesel	
480B Base Model	Loader	148 CID (2.4L) G148B	8	580CK Base Model	Loader	159 CID (2.6L) G159	9
480B Base Model	Loader	188 CID (3.1L) G188D	11	580CK Base Model	Loader	188 CID (3.1L) G188D	11
		Diesel				Diesel	
480B Base Model	Crawler	207 CID (3.4L) G207D	13	580CKB Base Model	Wheel Tractor	188 CID (3.1L) G188D	11
		Diesel				Diesel	
480C Base Model	Loader	188 CID (3.1L) G188D	11	580CKC Base Model	Wheel Tractor	207 CID (3.4L) G207D	13
		Diesel				Diesel	
480CK Base Model	Loader	148 CID (2.4L) G148B	8	580D Super	Wheel Tractor	207 CID (3.4L) G207D	13
480CK Base Model	Loader	188 CID (3.1L) G188D	11			Diesel	
		Diesel		584 Base Model	Fork Lift	188 CID (3.1L) G188D	11
480CKB Base Model	Wheel Tractor	188 CID (3.1L) G188D	11			Diesel	

CASE (Cont.)

MODEL DATA (Cont.)							
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
584 Base Model	Fork Lift	207 CID (3.4L) G207D Diesel	13	680CKG Base Model	Wheel Tractor	336 CID (5.5L) 336BD Diesel	16
584C Base Model	Fork Lift	188 CID (3.1L) G188D Diesel	11	680CKH Base Model	Wheel Tractor	336 CID (5.5L) 336BD Diesel	16
584C Base Model	Fork Lift	207 CID (3.4L) G207D Diesel	13	700 Series	Wheel Tractor	251 CID (4.1L) A251S	15
584D Base Model	Fork Lift	188 CID (3.1L) G188D Diesel	11	700 Series	Wheel Tractor	267 CID (4.4L) A267D Diesel	15
585 Base Model	Fork Lift	207 CID (3.4L) G207D Diesel	13	700B Base Model	Wheel Tractor	251 CID (4.1L) A251	15
585C Base Model	Fork Lift	188 CID (3.1L) G188D Diesel	11	700B Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15
585C Base Model	Fork Lift	207 CID (3.4L) G207D Diesel	13	709 Base Model	Wheel Tractor	267 CID (4.4L) A267BD Diesel	15
585D Base Model	Fork Lift	188 CID (3.1L) G188D Diesel	11	710B Base Model	Wheel Tractor	251 CID (4.1L) A251	15
586 Base Model	Fork Lift	207 CID (3.4L) G207D Diesel	13	711B Base Model	Wheel Tractor	251 CID (4.1L) A251	15
586C Base Model	Fork Lift	188 CID (3.1L) G188D Diesel	11	712B Base Model	Wheel Tractor	251 CID (4.1L) A251	15
586C Base Model	Fork Lift	207 CID (3.4L) G207D Diesel	13	713B Base Model	Wheel Tractor	251 CID (4.1L) A251	15
586D Base Model	Fork Lift	188 CID (3.1L) G188D Diesel	11	720 Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15
600 Base Model	Combine	188 CID (3.1L) G188D Diesel	11	730 Orchard	Wheel Tractor	251 CID (4.1L) A251	15
600 Base Model	Skidder	336 CID (5.5L) 336BDT Diesel	16	730 Orchard	Wheel Tractor	267 CID (4.4L) A267D Diesel	15
600 Base Model	Wheel Tractor	377 CID (6.2L) A377S	18	730C Base Model	Wheel Tractor	251 CID (4.1L) A251	15
600B Base Model	Wheel Tractor	164 CID (2.7L) G164	9	730C Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15
610 Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11	730CK Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15
610 Base Model	Wheel Tractor	377 CID (6.2L) A377S	18	740 Base Model	Wheel Tractor	251 CID (4.1L) A251	15
610B Base Model	Wheel Tractor	164 CID (2.7L) G164	9	740 Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15
611B Base Model	Wheel Tractor	164 CID (2.7L) G164	9	750 Base Model	Loader	267 CID (4.4L) A267D Diesel	15
630 C	Wheel Tractor	188 CID (3.1L) G188D Diesel	11	750 Base Model	Crawler	301 CID (4.9L) A301D Diesel	15
631 C	Wheel Tractor	188 CID (3.1L) G188D Diesel	11	770 Base Model	Wheel Tractor	251 CID (4.1L) A251	15
640 Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11	770 Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15
641 Base Model	Wheel Tractor	188 CID (3.1L) G188B	10	770 Agri-King Base Model	Wheel Tractor	251 CID (4.1L) A251	15
650 Base Model	Windrower	108 CID (1.8L) VH4D Wisconsin	4	770 Agri-King Base Model	Wheel Tractor	267 CID (4.4L) 267B Diesel	15
660 Base Model	Combine	188 CID (3.1L) G188D Diesel	11	780 Base Model	Crawler	336 CID (5.5L) 336BDT Diesel	16
660 Base Model	Combine	201 CID (3.3L) 201	12	780CK Base Model	Wheel Tractor	336 CID (5.5L) 336BDT Diesel	16
680 Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15	780CKB Base Model	Wheel Tractor	336 CID (5.5L) 336BDT Diesel	16
680 Base Model	Loader	301 CID (4.9L) A301BD Diesel	15	800 Series	Wheel Tractor	251 CID (4.1L) A251S	15
680 Base Model	Loader	336 CID (5.5L) 336BD Diesel	16	800 Base Model	Combine	267 CID (4.4L) A267D Diesel	15
680B Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15	800 Base Model	Skidder	336 CID (5.5L) 336BDT Diesel	16
680C Base Model	Loader	267 CID (4.4L) A267BD Diesel	15	800B Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15
680CK Base Model	Loader	188 CID (3.1L) G188D Diesel	11	801B Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15
680CK Base Model	Loader	251 CID (4.1L) 251	15	802B Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15
680CK Base Model	Loader	267 CID (4.4L) A267D Diesel	15	803B Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15
680CK Base Model	Wheel Tractor	301 CID (4.9L) A301BD Diesel	15	810B Base Model	Wheel Tractor	251 CID (4.1L) A251S	15
680CKB Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15	811B Base Model	Wheel Tractor	251 CID (4.1L) A251S	15
680CKC Base Model	Wheel Tractor	301 CID (4.9L) 301B Diesel	15	812B Base Model	Wheel Tractor	251 CID (4.1L) A251S	15
680CKE Base Model	Wheel Tractor	336 CID (5.5L) 336BD Diesel	16	813B Base Model	Wheel Tractor	251 CID (4.1L) A251S	15
				825 Base Model	Skidder	336 CID (5.5L) 336BDT Diesel	16
				830 Base Model	Wheel Tractor	284 CID (4.7L) A284S	15
				830 C	Wheel Tractor	301 CID (4.9L) A301D Diesel	15

CASE (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
840 Base Model	Wheel Tractor	301 CID (4.9L) A301D Diesel	15	1000 Rice	Combine	301 CID (4.9L) A301D Diesel	15
850 Base Model	Wheel Tractor	284 CID (4.7L) 284G	15	1010 Rice	Combine	251 CID (4.1L) A251	15
850 Base Model	Crawler	301 CID (4.9L) 301B Diesel	15	1010 Rice	Combine	284 CID (4.7L) 284G	15
850 Base Model	Wheel Tractor	336 CID (5.5L) 336BD Diesel	16	1010 Rice	Combine	301 CID (4.9L) A301D Diesel	15
850B Base Model	Crawler	336 CID (5.5L) 336BDT Diesel	16	1030 Construction King	Wheel Tractor	451 CID (7.4L) A451D Diesel	18
850C Base Model	Crawler	336 CID (5.5L) 336BDT Diesel	16	1060 Base Model	Combine	301 CID (4.9L) A301D Diesel	15
870 Agri-King Base Model	Wheel Tractor	336 CID (5.5L) 336BDT Diesel	16	1070 Agri-King Base Model	Wheel Tractor	451 CID (7.4L) A451BD Diesel	18
880 Base Model	Crawler	336 CID (5.5L) 336BDT Diesel	16	1090 Agri-King Base Model	Wheel Tractor	451 CID (7.4L) A451BD Diesel	18
880B Base Model	Excavator	336 CID (5.5L) 336BDT Diesel	16	1140 Base Model	Windrower	188 CID (3.1L) G188D Diesel	11
880C Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19	1150 Base Model	Windrower	188 CID (3.1L) G188D Diesel	11
880R Base Model	Excavator	336 CID (5.5L) 336BDT Diesel	16	1150 Base Model	Crawler	401 CID (6.6L) A401D Diesel	18
900 Base Model	Wheel Tractor	377 CID (6.2L) A377S	18	1150 Base Model	Crawler	504 CID (8.3L) A504BDT Diesel	19
900 Series Base Model	Wheel Tractor	377 CID (6.2L) A377D Diesel	18	1150B Base Model	Crawler	451 CID (7.4L) A451D Diesel	18
900B Base Model	Wheel Tractor	377 CID (6.2L) A377D Diesel	18	1150C Base Model	Crawler	451 CID (7.4L) A451BD Diesel	18
920 Base Model	Wheel Tractor	401 CID (6.6L) A401D Diesel	18	1155 Base Model	Windrower	188 CID (3.1L) G188D Diesel	11
930 Base Model	Crawler	377 CID (6.2L) A377S	18	1160 Base Model	Combine	301 CID (4.9L) A301D Diesel	15
930 Base Model	Crawler	401 CID (6.6L) A401D Diesel	18	1170 Agri-King Base Model	Wheel Tractor	451 CID (7.4L) A451BDT Diesel	18
930 Comfort King Base Model	Wheel Tractor	377 CID (6.2L) A377S	18	1175 Agri-King Base Model	Wheel Tractor	451 CID (7.4L) A451BDT Diesel	18
930 Comfort King Base Model	Wheel Tractor	401 CID (6.6L) A401D Diesel	18	1200 Trac-King Base Model	Wheel Tractor	451 CID (7.4L) A451D Diesel	18
930G Base Model	Crawler	401 CID (6.6L) A401D Diesel	18	1255 Base Model	Windrower	188 CID (3.1L) G188D Diesel	11
930GB Base Model	Wheel Tractor	401 CID (6.6L) A401D Diesel	18	1270 Agri-King Base Model	Wheel Tractor	451 CID (7.4L) A451BDT Diesel	18
930GP Base Model	Crawler	377 CID (6.2L) A377S	18	1280 Base Model	Excavator	504 CID (8.3L) A504BDT Diesel	19
930GP Base Model	Crawler	401 CID (6.6L) A401D Diesel	18	1370 Agri-King Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19
930WS Base Model	Crawler	377 CID (6.2L) A377S	18	1450 Base Model	Crawler	504 CID (8.3L) A504BDT Diesel	19
930WS Base Model	Wheel Tractor	401 CID (6.6L) A401D Diesel	18	1450B Base Model	Crawler	504 CID (8.3L) A504BDT Diesel	19
931 Comf-King Case-O-Matic Base Model	Wheel Tractor	401 CID (6.6L) A401D Diesel	18	1470 Trac-King Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19
940 Base Model	Wheel Tractor	377 CID (6.2L) A377S	18	1570 Trac-King Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19
940 Base Model	Wheel Tractor	401 CID (6.6L) A401D Diesel	18	1700 Base Model	Wheel Tractor	148 CID (2.4L) G148B	8
950 Base Model	Windrower	108 CID (1.8L) VH4D Wisconsin	4	1700 Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11
950 Base Model	Windrower	126 CID (2.1L) G126	5	1737 Base Model	Loader	148 CID (2.4L) G148B	8
950 Base Model	Windrower	148 CID (2.4L) G148	8	1737 Base Model	Loader	188 CID (3.1L) G188D Diesel	11
955 Base Model	Windrower	126 CID (2.1L) G126	5	1740 Base Model	Loader	188 CID (3.1L) G188D Diesel	11
955 Base Model	Windrower	148 CID (2.4L) G148	8	1740 Base Model	Loader	207 CID (3.4L) G207D Diesel	13
970 Agri-King Base Model	Wheel Tractor	377 CID (6.2L) A377S	18	1845 Base Model	Loader	159 CID (2.6L) 159G	9
970 Agri-King Base Model	Wheel Tractor	401 CID (6.6L) A401D Diesel	18	1845 Base Model	Loader	188 CID (3.1L) G188D Diesel	11
970 Agri-King Base Model	Wheel Tractor	451 CID (7.4L) A451D Diesel	18	1845 Base Model	Loader	207 CID (3.4L) G207D Diesel	13
980 Base Model	Excavator	504 CID (8.3L) A504BDT Diesel	19	1845S Base Model	Loader	188 CID (3.1L) G188D Diesel	11
980B Base Model	Combine	504 CID (8.3L) A504BDT Diesel	19				
1000 Base Model	Combine	267 CID (4.4L) A267D Diesel	15				
1000 Base Model	Combine	284 CID (4.7L) 284G	15				

CASE (Cont.)

MODEL DATA (Cont.)							
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
1855 Base Model	Loader	188 CID (3.1L) G188D Diesel	11	P50 Base Model	Concrete Placer	188 CID (3.1L) G188D Diesel	11
1855 Base Model	Loader	207 CID (3.4L) G207D Diesel	13	P336 Base Model	Placer	336 CID (5.5L) 336BDT Diesel	16
2090 Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19	P504 Base Model	Placer	504 CID (8.3L) A504BDT Diesel	19
2290 Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19	PT50 Base Model	Concrete Placer	188 CID (3.1L) G188D Diesel	11
2390 Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19	PT336 Base Model	Placer	336 CID (5.5L) 336BD Diesel	16
2470 Trac-King Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19	T50 Base Model	Concrete Placer	188 CID (3.1L) G188D Diesel	11
2590 Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19	T80 Base Model	Placer	504 CID (8.3L) A504BDT Diesel	19
2670 Trac-King Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19	T336 Base Model	Placer	336 CID (5.5L) 336BDT Diesel	16
4490 Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19	TB80 Base Model	Placer	504 CID (8.3L) A504BD Diesel	19
4690 Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19	TB336 Base Model	Placer	336 CID (5.5L) 336BDT Diesel	16
GT25 Base Model	Crawler	124 CID (2.0L) F124 Continental	6	TD336 Base Model	Placer	336 CID (5.5L) 336BD Diesel	16
GT25 Base Model	Crawler	140 CID (2.3L) F140 Continental	7	U Base Model	Combine	108 CID (1.8L) VF4 Wisconsin	3
GT28 Base Model	Crawler	124 CID (2.0L) F124 Continental	6	U Base Model	Combine	124 CID (2.0L) VA124	5
GT28 Base Model	Crawler	140 CID (2.3L) F140 Continental	7	V Base Model	Wheel Tractor	124 CID (2.0L) F124 Continental	6
GT30 Base Model	Crawler	124 CID (2.0L) F124 Continental	6	VA Series Base Model	Wheel Tractor	124 CID (2.0L) VA124	5
GT30 Base Model	Crawler	140 CID (2.3L) F140 Continental	7	VAC Base Model	Wheel Tractor	124 CID (2.0L) VA124	5
GT34 Base Model	Crawler	124 CID (2.0L) F124 Continental	6	VAH Base Model	Wheel Tractor	124 CID (2.0L) VA124	5
GT34 Base Model	Crawler	140 CID (2.3L) F140 Continental	7	VAI Base Model	Wheel Tractor	124 CID (2.0L) VA124	5
K2 Base Model	Combine	124 CID (2.0L) VA124	5	VAO Base Model	Wheel Tractor	124 CID (2.0L) VA124	5
K exc. Prairie Base Model	Combine	124 CID (2.0L) VA124	5	VAS Base Model	Wheel Tractor	124 CID (2.0L) VA124	5
LCK430 Base Model	Wheel Tractor	148 CID (2.4L) G148B	8	VC Base Model	Wheel Tractor	124 CID (2.0L) F124 Continental	6
LCK430 Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11	VI Base Model	Wheel Tractor	124 CID (2.0L) F124 Continental	6
LCK530 Base Model	Wheel Tractor	159 CID (2.6L) G159	9	VO Base Model	Wheel Tractor	124 CID (2.0L) F124 Continental	6
LCK530 Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11	W3 Base Model	Loader	148 CID (2.4L) G148	8
M2 Base Model	Combine	106 CID (1.7L) W106	2	W3 Base Model	Loader	188 CID (3.1L) G188D Diesel	11
NAP-M Base Model	Baler	124 CID (2.0L) VAE	5	W5 Base Model	Loader	164 CID (2.7L) G164	9
Base Model	Engine	124 CID (2.0L) 124	5	W5 Base Model	Loader	188 CID (3.1L) G188D Diesel	11
Base Model	Engine	148 CID (2.4L) 148G	8	W5A Base Model	Loader	188 CID (3.1L) G188D Diesel	11
Base Model	Engine	159 CID (2.6L) G159B	9	W7 Base Model	Loader	284 CID (4.7L) 284G	15
Base Model	Engine	180 CID (3.0L) B Series (2.9L) Cummins Diesel	1	W7 Base Model	Loader	301 CID (4.9L) A301D Diesel	15
Base Model	Engine	188 CID (3.1L) G188	10	W7C Base Model	Loader	301 CID (4.9L) A301D Diesel	15
Base Model	Engine	207 CID (3.4L) G207D Diesel	13	W7E Base Model	Loader	301 CID (4.9L) 301B Diesel	15
Base Model	Engine	239 CID (3.9L) B Series (3.9L) Cummins Diesel	14	W8 B	Loader	377 CID (6.2L) A377G	18
Base Model	Engine	251 CID (4.1L) A251LP	15	W8 Base Model	Loader	401 CID (6.6L) A401D Diesel	18
Base Model	Engine	267 CID (4.4L) 267 Diesel	15	W8B Base Model	Loader	401 CID (6.6L) 401 Diesel	18
Base Model	Engine	284 CID (4.7L) A284LP	15	W8C Base Model	Loader	401 CID (6.6L) 401 Diesel	18
Base Model	Engine	301 CID (4.9L) A301 Diesel	15	W8E Base Model	Loader	401 CID (6.6L) A401BD Diesel	18
Base Model	Engine	359 CID (5.9L) B Series (5.9L) Cummins Diesel	17	W9 Base Model	Wheel Tractor	251 CID (4.1L) A251	15
Base Model	Engine	377 CID (6.2L) A377LP	18	W9 Base Model	Loader	267 CID (4.4L) A267D Diesel	15
Base Model	Engine	401 CID (6.6L) A401 Diesel	18	W9 Base Model	Crawler	284 CID (4.7L) A284S	15
Base Model	Engine	504 CID (8.3L) 504DTI Diesel	19	W9 Base Model	Crawler	301 CID (4.9L) A301D Diesel	15
Base Model	Engine	505 CID (8.3L) C Series Cummins Diesel	20	W9 Base Model	Loader	377 CID (6.2L) A377D Diesel	18

CASE (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
W9 Base Model	Loader	401 CID (6.6L) A401D Diesel	18	W18 Base Model	Loader	401 CID (6.6L) A401BDT Diesel	18
W9A Base Model	Loader	301 CID (4.9L) A301D Diesel	15	W18B Base Model	Loader	504 CID (8.3L) A504BDT Diesel	19
W9B Base Model	Loader	377 CID (6.2L) A377G	18	W20 Base Model	Loader	401 CID (6.6L) A401BDT Diesel	18
W9B Base Model	Loader	401 CID (6.6L) 401 Diesel	18	W20B Base Model	Loader	401 CID (6.6L) A401BDT Diesel	18
W9C Base Model	Loader	377 CID (6.2L) 377	18	W20C Base Model	Loader	504 CID (8.3L) A504BDT Diesel	19
W9C Base Model	Loader	401 CID (6.6L) 401 Diesel	18	W24 Base Model	Loader	504 CID (8.3L) A504BDT Diesel	19
W9E Base Model	Loader	401 CID (6.6L) A401BD Diesel	18	W24B Base Model	Loader	504 CID (8.3L) A504BDT Diesel	19
W10 Base Model	Loader	188 CID (3.1L) G188D Diesel	11	W24C Base Model	Loader	504 CID (8.3L) A504BDT Diesel	19
W10 Base Model	Crawler	251 CID (4.1L) A251S	15	W26 Base Model	Loader	126 CID (2.1L) G126	5
W10 Base Model	Loader	301 CID (4.9L) A301D Diesel	15	W26B Base Model	Loader	504 CID (8.3L) A504BDT Diesel	19
W10 B	Loader	377 CID (6.2L) A377G	18	W26LF Base Model	Loader	504 CID (8.3L) A504BDT Diesel	19
W10 Base Model	Loader	401 CID (6.6L) A401D Diesel	18	W36 Base Model	Loader	504 CID (8.3L) A504BDT Diesel	19
W10C Base Model	Loader	401 CID (6.6L) 401 Diesel	18	WA106 Base Model	Wheel Tractor	106 CID (1.7L) W106	2
W10E Base Model	Loader	401 CID (6.6L) A401D Diesel	18	WB10 Base Model	Loader	336 CID (5.5L) 336BDT Diesel	16
W11 Base Model	Loader	207 CID (3.4L) G207D Diesel	13	WB10 Base Model	Loader	401 CID (6.6L) A401D Diesel	18
W12 Base Model	Loader	451 CID (7.4L) A451D Diesel	18				
W14 Base Model	Loader	336 CID (5.5L) 336BDT Diesel	16				
W14H Base Model	Loader	336 CID (5.5L) 336BD Diesel	16				

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
15-12	5.000in./127mm	19	A24425	5.000in./127mm	18	F400D-500	4.375in./111.1mm	6	G-11176	4.125in./104.8mm	11
3901085	4.724in./120mm	1	A27845	5.000in./127mm	18	F400D-500	4.375in./111.1mm	7	G-11723	4.125in./104.8mm	10
3901085	4.724in./120mm	14	A58579	5.000in./127mm	19	F400D-502	4.375in./111.1mm	6	G-11723	4.125in./104.8mm	12
3901085	4.724in./120mm	17	A58789	5.000in./127mm	18	F400D-502	4.375in./111.1mm	7	G-11723	4.125in./104.8mm	11
3901566	4.724in./120mm	1	A278895	5.000in./127mm	18	G-11176	4.125in./104.8mm	8	VT-3200	3.750in./95.3mm	5
3901566	4.724in./120mm	14	B-390124710	5.320in./135.1mm	20	G-11176	4.125in./104.8mm	9	VT-3200	3.750in./95.3mm	2
3901566	4.724in./120mm	17	F218D-3020	4.375in./111.1mm	6	G-11176	4.125in./104.8mm	10	VT-4538	3.750in./95.3mm	5
390124715	5.320in./135.1mm	20	F218D-3020	4.375in./111.1mm	7	G-11176	4.125in./104.8mm	12	VT-4538	3.750in./95.3mm	2

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
400C-209	4.375in./111.1mm	6	A65097	5.000in./127mm	19	F400C-314	4.375in./111.1mm	6	G-11071	4.125in./104.8mm	8
400C-209	4.375in./111.1mm	7	A66772	5.000in./127mm	19	F400C-314	4.375in./111.1mm	7	G-11071	4.125in./104.8mm	9
400C-500	4.375in./111.1mm	6	A77147	5.000in./127mm	19	F400C-321	4.375in./111.1mm	6	G-11700	4.125in./104.8mm	8
400C-500	4.375in./111.1mm	7	A138818	5.000in./127mm	19	F400C-321	4.375in./111.1mm	7	G-11700	4.125in./104.8mm	9
0970DAB	5.000in./127mm	18	A-39151	4.125in./104.8mm	10	F400C-324	4.375in./111.1mm	6	G-11707	4.125in./104.8mm	8
010700	5.000in./127mm	15	A-39151	4.125in./104.8mm	12	F400C-324	4.375in./111.1mm	7	G-11707	4.125in./104.8mm	9
010700	5.000in./127mm	16	A-39151	4.125in./104.8mm	11	F400C-359	4.375in./111.1mm	6	G-11709	4.125in./104.8mm	8
010700AB	5.000in./127mm	15	CA-55	3.250in./82.6mm	3	F400C-359	4.375in./111.1mm	7	G-11709	4.125in./104.8mm	9
010700AB	5.000in./127mm	16	F140C-303	4.375in./111.1mm	6	F400C-368	4.375in./111.1mm	6	G-11740	4.125in./104.8mm	10
390562	5.320in./135.1mm	20	F140C-303	4.375in./111.1mm	7	F400C-368	4.375in./111.1mm	7	G-11740	4.125in./104.8mm	12
966441	5.000in./127mm	18	F162C-319	4.375in./111.1mm	6	F400C-500	4.375in./111.1mm	6	G-11741	4.125in./104.8mm	11
969267	5.000in./127mm	19	F162C-319	4.375in./111.1mm	7	F400C-500	4.375in./111.1mm	7	V-520D	3.750in./95.3mm	5
976321	4.125in./104.8mm	13	F400C-209	4.375in./111.1mm	6	F400C-501	4.375in./111.1mm	6	V-520D	3.750in./95.3mm	2
976321	4.125in./104.8mm	10	F400C-209	4.375in./111.1mm	7	F400C-501	4.375in./111.1mm	7	V-5200	3.750in./95.3mm	5
3903827	4.724in./120mm	14	F400C-222	4.375in./111.1mm	6	F400C-503	4.375in./111.1mm	6	V-5200	3.750in./95.3mm	2
3903830	4.724in./120mm	14	F400C-222	4.375in./111.1mm	7	F400C-503	4.375in./111.1mm	7	VT-3201	3.750in./95.3mm	5
3907803	4.724in./120mm	14	F400C-228	4.375in./111.1mm	6	G-10071	4.125in./104.8mm	8	VT-3201	3.750in./95.3mm	2
3907804	4.724in./120mm	17	F400C-228	4.375in./111.1mm	7	G-10071	4.125in./104.8mm	9			

CASE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL								
1	180 CID (3.0L) 3-290,B Series (2.9L) Cummins Diesel 3 Cyl 180 CID (3.0L) 3T-290 Cummins Turbocharged Diesel 3 Cyl				4.016in./102mm x 4.724in./120mm 4.016in./102mm x 4.724in./120mm			1
Rod Bearing(3)	TM-112	CB-1413P	STD.,25mm.,50mm.,75mm	2.7160/2.7170	0.0015/0.0045	0.0775	2.8735/2.8745	1.2250
Main Bearing Set 1-3	TM-112	MS-1719P MB-3110P	STD.,25mm.,50mm.,75mm	3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.1430
2		MB-3109P(F)		3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.4700
Cam Bearing	AL-3	SH-1404	STD	2.1245/2.1265			2.2528/2.2542	1.0100
NOTE: Position Number 1								
Piston Pin Bushing(3)	C-1	223-3644	STD			0.0690	1.6924/1.6934	1.5100
NOTE: Requires Boring								
Rod Forging	3901085, 3901566							
Connecting Rod	Step A 26 Lbs.Ft.; Step B 51 Lbs.Ft.; Step C 73 Lbs.Ft.							
Main Bearing	Step A 44 Lbs.Ft.; Step B 88 Lbs.Ft.; Step C 129 Lbs.Ft.							
4 CYL								
2	106 CID (1.7L) W106 4 Cyl				3.000in./76.2mm x 3.750in./95.3mm			2
Rod Bearing(4)	TM-77	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
Thrust Washer Set(2)		TW-424S MB-1403W	STD	2.2812			3.0625	0.0960
NOTE: Contains 1 Piece, Position Number 1								
Cam Bearing Set 1	B-1	SH-502S SH-502	STD	1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.3170
2		SH-503		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.7230
3		SH-504		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.1970
Rod Forging	VT-3200, VT-4538							
C/S Forging	V-5200, V-520D, VT-3201							
Connecting Rod	60 Lbs.Ft.							
Main Bearing	90 Lbs.Ft.							
3	108 CID (1.8L) VF4 Wisconsin V4 Cyl				3.250in./82.6mm x 3.250in./82.6mm			3
Rod Bearing(4)	B-2	CB-983M	STD,10	1.7500/1.7510	0.0014/0.0035	0.0613	1.8745/1.8750	0.8640
Piston Pin Bushing(4)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100
NOTE: Requires Light Reaming								
C/S Forging	CA-55							
Connecting Rod	24 Lbs.Ft.							
Main Bearing	30 Lbs.Ft.							
4	108 CID (1.8L) VH4D Wisconsin V4 Cyl				3.250in./82.6mm x 3.250in./82.6mm			4
Rod Bearing(4)	B-2	CB-979M	STD,10,20	1.8750/1.8760	0.0014/0.0035	0.0613	1.9995/2.0000	0.8640
Piston Pin Bushing(4)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100
NOTE: Requires Light Reaming								
Connecting Rod	24 Lbs.Ft.							
Main Bearing	30 Lbs.Ft.							
5	124 CID (2.0L) 124,VA124,VAE 4 Cyl 126 CID (2.1L) G126 4 Cyl				3.250in./82.6mm x 3.750in./95.3mm 3.125in./79.4mm x 4.125in./104.8mm			5
Rod Bearing(4)	TM-77	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
Thrust Washer Set(2)		TW-424S MB-1403W	STD	2.2812			3.0625	0.0960
NOTE: Contains 1 Piece, Position Number 1								
Cam Bearing Set 1	B-1	SH-502S SH-502	STD	1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.3170
2		SH-503		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.7230
3		SH-504		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.1970
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming								
Piston Pin Bushing(4)	C-1	223-3644	STD			0.0690	1.6924/1.6934	1.5100
NOTE: Requires Boring								

CASE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
5 (Cont.)	124 CID (2.0L) 124,VA124,VAE 4 Cyl 126 CID (2.1L) G126 4 Cyl				3.250in./82.6mm x 3.750in./95.3mm 3.125in./79.4mm x 4.125in./104.8mm			5 (Cont.)
Rod Forging	VT-3200, VT-4538							
C/S Forging	V-5200, V-520D, VT-3201							
Connecting Rod	45 To 50 Lbs.Ft. (126 CID (2.1L) G126)							
Connecting Rod	60 Lbs.Ft. (124 CID (2.0L) 124)							
Main Bearing	95 Lbs.Ft. (124 CID (2.0L) 124)							
Main Bearing	95 To 100 Lbs.Ft. (126 CID (2.1L) G126)							
6	124 CID (2.0L) F124 Continental 4 Cyl				3.000in./76.2mm x 4.375in./111.1mm			6
Rod Bearing(2)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 2 And 4								
Rod Bearing(2)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 1 And 3								
Thrust Washer Set(2)		TW-424S MB-1403W	STD	2.2812			3.0625	0.0960
NOTE: Contains 1 Piece, Position Number 1								
Cam Bearing Set	AL-3	SH-56S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	C-1	223-3644	STD			0.0690	1.6924/1.6934	1.5100
NOTE: Requires Boring								
Rod Forging	F400D-500, F400D-502, F218D-3020							
C/S Forging	400C-209, 400C-500, F140C-303, F162C-319, F400C-209, F400C-222, F400C-228, F400C-314, F400C-321, F400C-324, F400C-359, F400C-368, F400C-500, F400C-501, F400C-503							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
7	140 CID (2.3L) F140 Continental 4 Cyl				3.188in./80.98mm x 4.375in./111.1mm			7
Rod Bearing(2)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 2 And 4								
Rod Bearing(2)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 1 And 3								
Main Bearing Set	TM-77	MS-176P-10	20,30					
1		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
2		MB-1406P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.6300
3		MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set(2)		TW-424S MB-1403W	STD	2.2812			3.0625	0.0960
NOTE: Contains 1 Piece, Position Number 1, Use With Part Number MS-176P-10								
Cam Bearing Set	AL-3	SH-56S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	F400D-500, F400D-502, F218D-3020							
C/S Forging	400C-209, 400C-500, F140C-303, F162C-319, F400C-209, F400C-222, F400C-228, F400C-314, F400C-321, F400C-324, F400C-359, F400C-368, F400C-500, F400C-501, F400C-503							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							

CASE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
8	148 CID (2.4L) 148G,G148,G148B 4 Cyl			3.375in./85.7mm x 4.125in./104.8mm				8
	148 CID (2.4L) G148 LPG 4 Cyl			3.375in./85.7mm x 4.125in./104.8mm				
Rod Bearing(4)	TM-77	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: 1.9375" Diameter Connecting Rod Journal								
Rod Bearing(4)	TM-112	CB-655P	STD,2,10,20,30	2.0605/2.0615	0.0015/0.0040	0.0622	2.1870/2.1875	1.0500
NOTE: 2.0615" Diameter Connecting Rod Journal								
Main Bearing Set	TM-77	MS-596P	STD,10,20					
1		MB-2131P		2.6230/2.6240	0.0013/0.0039	0.0955	2.8160/2.8170	1.4480
2		MB-2132P(F)		2.6230/2.6240	0.0013/0.0039	0.0955	2.8160/2.8170	1.4980
3		MB-2133P		2.6230/2.6240	0.0013/0.0039	0.0955	2.8160/2.8170	1.5730
NOTE: 2.0615" Diameter Connecting Rod Journal								
Cam Bearing Set	B-1	SH-502S	STD					
1		SH-502		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.3170
2		SH-503		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.7230
3		SH-504		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.1970
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming								
Rod Forging	G-11176							
C/S Forging	G-10071, G-11071, G-11700, G-11707, G-11709							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	95 To 100 Lbs.Ft.							
9	159 CID (2.6L) 159,159B,159G,G159,G159B 4 Cyl			3.500in./88.9mm x 4.125in./104.8mm				9
	159 CID (2.6L) G159 LPG 4 Cyl			3.500in./88.9mm x 4.125in./104.8mm				
	164 CID (2.7L) G164 4 Cyl			3.563in./90.5mm x 4.125in./104.8mm				
	164 CID (2.7L) G164 LPG 4 Cyl			3.563in./90.5mm x 4.125in./104.8mm				
Rod Bearing(4)	TM-112	CB-655P	STD,2,10,20,30	2.0605/2.0615	0.0015/0.0040	0.0622	2.1870/2.1875	1.0500
Main Bearing Set	TM-77	MS-596P	STD,10,20					
1		MB-2131P		2.6230/2.6240	0.0013/0.0039	0.0955	2.8160/2.8170	1.4480
2		MB-2132P(F)		2.6230/2.6240	0.0013/0.0039	0.0955	2.8160/2.8170	1.4980
3		MB-2133P		2.6230/2.6240	0.0013/0.0039	0.0955	2.8160/2.8170	1.5730
Cam Bearing Set	B-1	SH-502S	STD					
1		SH-502		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.3170
2		SH-503		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.7230
3		SH-504		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.1970
Piston Pin Bushing(4)		223-3531	STD			0.0670		
Rod Forging	G-11176							
C/S Forging	G-10071, G-11071, G-11700, G-11707, G-11709							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	95 To 100 Lbs.Ft.							
10	188 CID (3.1L) 188 LPG 4 Cyl			3.813in./96.9mm x 4.125in./104.8mm				10
	188 CID (3.1L) 188S,G188,G188B 4 Cyl			3.813in./96.9mm x 4.125in./104.8mm				
Rod Bearing(4)	TM-112	CB-655P	STD,2,10,20,30	2.0605/2.0615	0.0015/0.0040	0.0622	2.1870/2.1875	1.0500
Main Bearing Set	TM-112	MS-652P	STD,10,20					
1		MB-2192P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.2850
2		MB-2194P(F)		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.3730
3		MB-2195P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.5650
Cam Bearing Set	B-1	SH-690S	STD					
1-4		SH-689		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.2280
2-3		SH-518		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.5000
Piston Pin Bushing(4)		223-3531	STD			0.0670		
Rod Forging	G-11176, G-11723							
C/S Forging	A-39151, G-11740							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	90 To 100 Lbs.Ft.							
11	188 CID (3.1L) G188D Diesel 4 Cyl			3.813in./96.9mm x 4.125in./104.8mm				11
Rod Bearing(4)	TM-112	CB-655P	STD,2,10,20,30	2.0605/2.0615	0.0015/0.0040	0.0622	2.1870/2.1875	1.0500

CASE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
11 (Cont.)	188 CID (3.1L) G188D Diesel 4 Cyl			3.813in./96.9mm x 4.125in./104.8mm				11 (Cont.)
Main Bearing Set	TM-112	MS-651P	STD,10,20					
1		MB-2192P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.2850
2-4		MB-2193P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.0000
3		MB-2194P(F)		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.3730
5		MB-2195P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.5650
Cam Bearing Set		SH-1191S	STD					
1		SH-689		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.2280
2-3-4		SH-518		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.5000
5		SH-1191		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.9850
NOTE: Engines With Tachometer Drive,From 1977								
Piston Pin Bushing(4)	C-1	223-3530	STD			0.0938		1.2400
NOTE: Requires Boring								
Rod Forging	G-11176, G-11723							
C/S Forging	A-39151, G-11741							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	90 To 100 Lbs.Ft.							
12	201 CID (3.3L) 201 4 Cyl			3.938in./100mm x 4.125in./104.8mm				12
Rod Bearing(4)	TM-112	CB-655P	STD,2,10,20,30	2.0605/2.0615	0.0015/0.0040	0.0622	2.1870/2.1875	1.0500
Main Bearing Set	TM-112	MS-652P	STD,10,20					
1		MB-2192P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.2850
2		MB-2194P(F)		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.3730
3		MB-2195P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.5650
Cam Bearing Set	B-1	SH-690S	STD					
1-4		SH-689		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.2280
2-3		SH-518		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.5000
Rod Forging	G-11176, G-11723							
C/S Forging	A-39151, G-11740							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	90 To 100 Lbs.Ft.							
13	207 CID (3.4L) 207DT Turbocharged Diesel 4 Cyl			4.000in./101.6mm x 4.125in./104.8mm				13
	207 CID (3.4L) ,G207D Diesel 4 Cyl			4.000in./101.6mm x 4.125in./104.8mm				
Rod Bearing(4)	TM-112	CB-1328P	STD,10,20,30	2.2480/2.2490	0.0015/0.0040	0.0750	2.4002/2.4007	1.0900
Main Bearing Set	TM-112	MS-651P	STD,10,20					
1		MB-2192P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.2850
2-4		MB-2193P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.0000
3		MB-2194P(F)		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.3730
5		MB-2195P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.5650
Cam Bearing Set	B-1	SH-1191S	STD					
1		SH-689		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.2280
2-3-4		SH-518		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.5000
5		SH-1191		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.9850
NOTE: Engines With Tachometer Drive,From 1977								
C/S Forging	976321							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	90 To 100 Lbs.Ft.							
14	239 CID (3.9L) 4-390,B Series (3.9L) Cummins Diesel 4 Cyl			4.016in./102mm x 4.724in./120mm				14
	239 CID (3.9L) 4T-390 Cummins Turbocharged Diesel 4 Cyl			4.016in./102mm x 4.724in./120mm				
Rod Bearing(4)	TM-112	CB-1413P	STD,.25mm,.50mm,.75mm	2.7160/2.7170	0.0015/0.0045	0.0775	2.8735/2.8745	1.2250
Main Bearing Set	TM-112	MS-1718P	STD,.25mm,.50mm,.75mm					
1-2-3-5		MB-3110P		3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.1430
4		MB-3109P(F)		3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.4700
Cam Bearing	AL-3	SH-1404	STD	2.1245/2.1265			2.2528/2.2542	1.0100
NOTE: Position Number 1								
Piston Pin Bushing(4)	C-1	223-3644	STD			0.0690	1.6924/1.6934	1.5100
NOTE: Requires Boring								
Rod Forging	3901085, 3901566							
C/S Forging	3903827, 3903830, 3907803							

CASE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
14 (Cont.)	239 CID (3.9L) 4-390,B Series (3.9L) Cummins Diesel 4 Cyl			4.016in./102mm x 4.724in./120mm				14 (Cont.)
	239 CID (3.9L) 4T-390 Cummins Turbocharged Diesel 4 Cyl			4.016in./102mm x 4.724in./120mm				
Connecting Rod		Step A 26 Lbs.Ft.; Step B 51 Lbs.Ft.; Step C 73 Lbs.Ft.						
Main Bearing		Step A 44 Lbs.Ft.; Step B 88 Lbs.Ft.; Step C 129 Lbs.Ft.						
15	251 CID (4.1L) 251,251B,251BG,A251,A251G,A251LP,A251S 4 Cyl			4.000in./101.6mm x 5.000in./127mm				15
	251 CID (4.1L) 251D Diesel 4 Cyl			4.000in./101.6mm x 5.000in./127mm				
	251 CID (4.1L) A251 LPG 4 Cyl			4.000in./101.6mm x 5.000in./127mm				
	267 CID (4.4L) 267B,267,A267BD,A267D,A267 Diesel 4 Cyl			4.125in./104.8mm x 5.000in./127mm				
	284 CID (4.7L) 284G,A284G,A284LP,A284S 4 Cyl			4.250in./108mm x 5.000in./127mm				
	284 CID (4.7L) A284S CNG 4 Cyl			4.250in./108mm x 5.000in./127mm				
	284 CID (4.7L) A284S LPG 4 Cyl			4.250in./108mm x 5.000in./127mm				
	301 CID (4.9L) 301B,A301BD,A301D,A301, Diesel 4 Cyl			4.375in./111.1mm x 5.000in./127mm				
301 CID (4.9L) 301BG 4 Cyl			4.375in./111.1mm x 5.000in./127mm					
Rod Bearing(4)	TM-112	CB-686P	STD,10,20,30	2.7480/2.7490	0.0018/0.0043	0.0751	2.9005/2.9010	1.5960
Main Bearing Set	TM-112	MS-1497P	STD,10,20,30					
1-3-5		MB-2810P		2.9980/2.9990	0.0019/0.0049	0.0952	3.1910/3.1920	2.1620
2-4		MB-2105P		2.9980/2.9990	0.0019/0.0049	0.0952	3.1910/3.1920	1.6100
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-354S,TW-355S								
Thrust Washer Set		TW-354S	STD					
		MB-2810W		3.4770			4.5100	0.1860
NOTE: Contains 2 Pieces, Position Number 3, .186" Thickness, Use With Part Number MS-1497P								
Thrust Washer Set		TW-355S	STD					
		MB-2811W		3.4770			4.5100	0.1560
NOTE: Contains 2 Pieces, Position Number 3, .156" Thickness, Use With Part Number MS-1497P								
Cam Bearing Set	B-1	SH-704S	STD					
1		SH-704		2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.6660
2-3		SH-705		2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.4480
4		SH-706		2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.1660
NOTE: 2.250" Camshaft Journal Diameter								
Piston Pin	C-1	223-3528	STD			0.0730	1.4845/1.4850	1.3770
Bushing(4)								
NOTE: Engines With 1.3596" Piston Pin Diameter, Requires Boring								
C/S Forging	010700, 010700AB							
Connecting Rod	95 To 105 Lbs.Ft.							
Main Bearing	145 To 155 Lbs.Ft.							
16	336 CID (5.5L) 336BD,336B Diesel 4 Cyl			4.625in./117.5mm x 5.000in./127mm				16
	336 CID (5.5L) 336BDT Turbocharged Diesel 4 Cyl			4.625in./117.5mm x 5.000in./127mm				
Rod Bearing(4)	TM-112	CB-686P	STD,10,20,30	2.7480/2.7490	0.0018/0.0043	0.0751	2.9005/2.9010	1.5960
NOTE: Thru Engine Serial Number 2571281								
Rod Bearing(4)	TM-112	CB-1237P	STD,10,20,30	2.9980/2.9990	0.0018/0.0043	0.0751	3.1505/3.1510	1.5960
NOTE: From Engine Serial Number 2571281								
Main Bearing Set	TM-112	MS-1495P	STD,10,20,30					
1-3-5		MB-2804P		3.4980/3.4990	0.0019/0.0049	0.0952	3.6910/3.6920	2.1620
2-4		MB-2805P		3.4980/3.4990	0.0019/0.0049	0.0952	3.6910/3.6920	1.2240
3		MB-2804W		3.6850			4.9950	0.1550
NOTE: From Engine Serial Number 2571281, Contains 2 Piece Thrust Washer Set, Use In Number 3 Position								
Main Bearing Set	TM-112	MS-1497P	STD,10,20,30					
1-3-5		MB-2810P		2.9980/2.9990	0.0019/0.0049	0.0952	3.1910/3.1920	2.1620
2-4		MB-2105P		2.9980/2.9990	0.0019/0.0049	0.0952	3.1910/3.1920	1.6100
NOTE: Thru Engine Serial Number 2571281, Requires Thrust Washer Set, Not Included, Use With Part Number TW-354S,TW-355S								
Thrust Washer Set	B-1	TW-354S	STD					
		MB-2810W		3.4770			4.5100	0.1860
NOTE: Thru Engine Serial Number 2571281, Contains 2 Pieces, Position Number 3, .186" Thickness, Use With Part Number MS-1497P								

CASE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
16 (Cont.)	336 CID (5.5L) 336BD,336B Diesel 4 Cyl			4.625in./117.5mm x 5.000in./127mm				16 (Cont.)
	336 CID (5.5L) 336BDT Turbocharged Diesel 4 Cyl			4.625in./117.5mm x 5.000in./127mm				
Thrust Washer Set		TW-355S	STD	3.4770			4.5100	0.1560
		MB-2811W						
NOTE: Thru Engine Serial Number 2571281, Contains 2 Pieces, Position Number 3, .156" Thickness, Use With Part Number MS-1497P								
Thrust Washer Set		TW-450S	STD	3.6850			4.9950	0.1550
		MB-2804W						
NOTE: From Engine Serial Number 2571281, Contains 2 Pieces, Position Number 3								
Cam Bearing Set	B-1	SH-704S	STD					
1		SH-704		2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.6660
2-3		SH-705		2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.4480
4		SH-706		2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.1660
NOTE: 2.250" Camshaft Journal Diameter								
Piston Pin Bushing(4)	C-1	223-3575	STD			0.1000	1.9815/1.9820	1.7950
NOTE: Engines With 1.800" Piston Pin Diameter, Requires Boring								
C/S Forging		010700, 010700AB						
Connecting Rod		95 To 105 Lbs.Ft.						
Main Bearing		145 To 155 Lbs.Ft.						
6 CYL								
17	359 CID (5.9L) 6-590,B Series (5.9L) Cummins Diesel 6 Cyl			4.016in./102mm x 4.724in./120mm				17
	359 CID (5.9L) 6T-590 Cummins Turbocharged Diesel 6 Cyl			4.016in./102mm x 4.724in./120mm				
Rod Bearing(6)	TM-112	CB-1413P	STD,.25mm,.50mm,.75mm	2.7160/2.7170	0.0015/0.0045	0.0775	2.8735/2.8745	1.2250
Main Bearing Set	TM-112	MS-1717P	STD,.25mm,.50mm,.75mm					
1-2-3-4-5-7		MB-3110P		3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.1430
6		MB-3109P(F)		3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.4700
Cam Bearing	AL-3	SH-1404	STD	2.1245/2.1265			2.2528/2.2542	1.0100
NOTE: Position Number 1								
Piston Pin Bushing(6)	C-1	223-3644	STD			0.0690	1.6924/1.6934	1.5100
NOTE: Requires Boring								
Rod Forging	3901085, 3901566							
C/S Forging	3907804							
Connecting Rod	Step A 26 Lbs.Ft.; Step B 51 Lbs.Ft.; Step C 73 Lbs.Ft.							
Main Bearing	Step A 44 Lbs.Ft.; Step B 88 Lbs.Ft.; Step C 129 Lbs.Ft.							
18	377 CID (6.2L) 377,377BG,A377G,A377LP 6 Cyl			4.000in./101.6mm x 5.000in./127mm				18
	377 CID (6.2L) A377 CNG 6 Cyl			4.000in./101.6mm x 5.000in./127mm				
	377 CID (6.2L) A377D Diesel 6 Cyl			4.000in./101.6mm x 5.000in./127mm				
	377 CID (6.2L) A377S LPG 6 Cyl			4.000in./101.6mm x 5.000in./127mm				
	401 CID (6.6L) 401BD,401B,401D,401,A401BD,A401D,A401 Diesel 6 Cyl			4.125in./104.8mm x 5.000in./127mm				
	401 CID (6.6L) 401BDT,A401BDT Turbocharged Diesel 6 Cyl			4.125in./104.8mm x 5.000in./127mm				
	451 CID (7.4L) A451BD,A451D, Diesel 6 Cyl			4.375in./111.1mm x 5.000in./127mm				
451 CID (7.4L) A451BDT Turbocharged Diesel 6 Cyl			4.375in./111.1mm x 5.000in./127mm					
Rod Bearing(6)	TM-112	CB-686P	STD,10,20,30	2.7480/2.7490	0.0018/0.0043	0.0751	2.9005/2.9010	1.5960
Main Bearing Set	TM-112	MS-1498P	STD,10,20,30					
1-3-5-7		MB-2810P		2.9980/2.9990	0.0019/0.0049	0.0952	3.1910/3.1920	2.1620
2-4-6		MB-2105P		2.9980/2.9990	0.0019/0.0049	0.0952	3.1910/3.1920	1.6100
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-354S,TW-355S								
Thrust Washer Set		TW-354S	STD	3.4770			4.5100	0.1860
		MB-2810W						
NOTE: Contains 2 Pieces, Position Number 5, .186" Thickness, Use With Part Number MS-1498P								
Thrust Washer Set		TW-355S	STD	3.4770			4.5100	0.1560
		MB-2811W						
NOTE: Contains 2 Pieces, Position Number 5, .156" Thickness, Use With Part Number MS-1498P								

CASE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
18 (Cont.)	377 CID (6.2L) 377,377BG,A377G,A377LP 6 Cyl			4.000in./101.6mm x 5.000in./127mm				18 (Cont.)
	377 CID (6.2L) A377 CNG 6 Cyl			4.000in./101.6mm x 5.000in./127mm				
	377 CID (6.2L) A377D Diesel 6 Cyl			4.000in./101.6mm x 5.000in./127mm				
	377 CID (6.2L) A377S LPG 6 Cyl			4.000in./101.6mm x 5.000in./127mm				
	401 CID (6.6L) 401BD,401B,401D,401,A401BD,A401D,A401 Diesel 6 Cyl			4.125in./104.8mm x 5.000in./127mm				
	401 CID (6.6L) 401BDT,A401BDT Turbocharged Diesel 6 Cyl			4.125in./104.8mm x 5.000in./127mm				
	451 CID (7.4L) A451BD,A451D, Diesel 6 Cyl			4.375in./111.1mm x 5.000in./127mm				
451 CID (7.4L) A451BDT Turbocharged Diesel 6 Cyl				4.375in./111.1mm x 5.000in./127mm				
Cam Bearing Set	B-1	SH-705S	STD					
1		SH-704		2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.6660
2-3-4		SH-705		2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.4480
5		SH-706		2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.1660
NOTE: 2.250" Camshaft Journal Diameter								
Piston Pin Bushing(6)	C-1	223-3528	STD			0.0730	1.4845/1.4850	1.3770
NOTE: Engines With 1.3596" Piston Pin Diameter, Requires Boring								
Rod Forging	A24425, A27845, A58789, A278895							
C/S Forging	966441, 0970DAB							
Connecting Rod	95 To 105 Lbs.Ft.							
Main Bearing	145 To 155 Lbs.Ft.							
19	504 CID (8.3L) 504B,504D,504,A504BD Diesel 6 Cyl			4.625in./117.5mm x 5.000in./127mm				19
	504 CID (8.3L) 504DT,504DTI,A504BDT,A504BDTI Turbocharged Diesel 6 Cyl			4.625in./117.5mm x 5.000in./127mm				
Rod Bearing(6)	TM-112	CB-1237P	STD,10,20,30	2.9980/2.9990	0.0018/0.0043	0.0751	3.1505/3.1510	1.5960
Main Bearing Set	TM-112	MS-1496P	STD,10,20,30					
1-3-5-7		MB-2804P		3.4980/3.4990	0.0019/0.0049	0.0952	3.6910/3.6920	2.1620
2-4-6		MB-2805P		3.4980/3.4990	0.0019/0.0049	0.0952	3.6910/3.6920	1.2240
5		MB-2804W		3.6850			4.9950	0.1550
NOTE: Contains 2 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-450S	STD					
		MB-2804W		3.6850			4.9950	0.1550
NOTE: Contains 2 Pieces, Position Number 5								
Cam Bearing Set	B-1	SH-705S	STD					
1		SH-704		2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.6660
2-3-4		SH-705		2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.4480
5		SH-706		2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.1660
Piston Pin Bushing(6)	C-1	223-3575	STD			0.1000	1.9815/1.9820	1.7950
NOTE: Engines With 1.800" Piston Pin Diameter, Requires Boring								
Rod Forging	15-12, A58579							
C/S Forging	969267, A65097, A66772, A77147, A138818							
Connecting Rod	95 To 105 Lbs.Ft.							
Main Bearing	145 To 155 Lbs.Ft.							
20	505 CID (8.3L) C Series Cummins Diesel 6 Cyl			4.490in./114mm x 5.320in./135.1mm				20
Rod Bearing(6)	TM-112	CB-1409P	STD,.25mm,.50mm,.75mm,1.00mm	2.9906/2.9926	0.0013/0.0046	0.0972	3.1885/3.1895	1.5010
Main Bearing Set	TM-112	MS-1740P	STD,.25mm,.50mm					
1-2-3-5-6-7		MB-3104P		3.8568/3.8588	0.0024/0.0055	0.1360	4.1333/4.1344	1.3430
4		MB-3105P(F)		3.8568/3.8588	0.0024/0.0055	0.1360	4.1333/4.1344	1.6860
Cam Bearing(7)	AL-3	SH-1402	STD	2.3650/2.3660		0.0773	2.5192/2.5202	0.9940
Piston Pin Bushing(6)	C-1	223-3642	STD			0.0890	1.9287/1.9296	1.7820
NOTE: Requires Boring								
Rod Forging	390124715, B-390124710							
C/S Forging	390562							
Connecting Rod	Step A 30 Lbs.Ft.; Step B 60 Lbs.Ft.; Step C 88 Lbs.Ft.							
Main Bearing	Step A 37 Lbs.Ft.; Step B 88 Lbs.Ft.; Step C 129 Lbs.Ft.							

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block						
4 CYL			6 CYL (Cont.)								
1670 350 CID (5.7L) Diesel Turbocharged	4.500in./114.3mmX5.500in./139.7mm	3	D353 1473 CID (24.2L) Diesel	6.250in./158.8mmX8.000in./203.2mm	16						
3114 268 CID (4.4L) Diesel	4.134in./105mmX5.000in./127mm	1	D353C 1473 CID (24.2L) Diesel	6.250in./158.8mmX8.000in./203.2mm	16						
3204 318 CID (5.2L) Diesel	4.500in./114.3mmX5.000in./127mm	2	D353C 1473 CID (24.2L) Diesel Turbocharged	6.250in./158.8mmX8.000in./203.2mm	16						
3304 425 CID (7.0L) CNG	4.750in./120.7mmX6.000in./152.4mm	3	D353D 1473 CID (24.2L) Diesel	6.250in./158.8mmX8.000in./203.2mm	16						
3304 425 CID (7.0L) Diesel	4.750in./120.7mmX6.000in./152.4mm	3	D353E 1473 CID (24.2L) Diesel	6.250in./158.8mmX8.000in./203.2mm	16						
D315 350 CID (5.7L) Diesel	4.500in./114.3mmX5.500in./139.7mm	4	D13000 1246 CID (20.4L) Diesel	5.750in./146.1mmX8.000in./203.2mm	14						
D315G 350 CID (5.7L) Diesel	4.500in./114.3mmX5.500in./139.7mm	4	G333 525 CID (8.6L) CNG	4.500in./114.3mmX5.500in./139.7mm	10						
D330 350 CID (5.7L) Diesel	4.500in./114.3mmX5.500in./139.7mm	3	G333A 525 CID (8.6L) CNG	4.500in./114.3mmX5.500in./139.7mm	10						
D330A 350 CID (5.7L) Diesel	4.500in./114.3mmX5.500in./139.7mm	3	G333B 525 CID (8.6L) CNG	4.500in./114.3mmX5.500in./139.7mm	8						
D330B 350 CID (5.7L) Diesel	4.500in./114.3mmX5.500in./139.7mm	3	G333C 525 CID (8.6L) CNG	4.500in./114.3mmX5.500in./139.7mm	8						
D330C 425 CID (7.0L) Diesel	4.750in./120.7mmX6.000in./152.4mm	3	G342 1246 CID (20.4L) LPG	5.750in./146.1mmX8.000in./203.2mm	14						
D339 831 CID/13628CC (13.6L) Diesel	5.750in./146.1mmX8.000in./203.2mm	6	G342C 1246 CID (20.4L) CNG	5.750in./146.1mmX8.000in./203.2mm	15						
D340 595 CID/9766CC (9.8L) Diesel	5.400in./137.2mmX6.500in./165.1mm	5	G343 893 CID (14.6L) LPG	5.400in./137.2mmX6.500in./165.1mm	11						
D6600 831 CID/13628CC (13.6L) Diesel	5.750in./146.1mmX8.000in./203.2mm	6	G353 1473 CID (24.2L) LPG	6.250in./158.8mmX8.000in./203.2mm	16						
D7700 831 CID/13628CC (13.6L) Diesel	5.750in./146.1mmX8.000in./203.2mm	6									
D8800 831 CID/13628CC (13.6L) Diesel	5.750in./146.1mmX8.000in./203.2mm	6									
D8841 831 CID/13628CC (13.6L) Diesel	5.750in./146.1mmX8.000in./203.2mm	6									
6 CYL											
1673 525 CID (8.6L) Diesel	4.500in./114.3mmX5.500in./139.7mm	8	1140 522 CID (8.6L) Diesel	4.500in./114.3mmX4.100in./104.1mm	17						
1673 638 CID (10.5L) Diesel	4.750in./120.7mmX6.000in./152.4mm	8	1145 522 CID (8.6L) Diesel	4.500in./114.3mmX4.100in./104.1mm	17						
1673C 638 CID (10.5L) Diesel Turbocharged	4.750in./120.7mmX6.000in./152.4mm	8	1150 573 CID (9.4L) Diesel	4.500in./114.3mmX4.500in./114.3mm	17						
1674 638 CID (10.5L) Diesel Turbocharged	4.750in./120.7mmX6.000in./152.4mm	8	1160 636 CID (10.4L) Diesel	4.500in./114.3mmX5.000in./127mm	18						
1693 893 CID (14.6L) Diesel	5.400in./137.2mmX6.500in./165.1mm	11	3145 522 CID (8.6L) Diesel	4.500in./114.3mmX4.100in./104.1mm	17						
1693T 893 CID (14.6L) Diesel Turbocharged	5.400in./137.2mmX6.500in./165.1mm	11	3150 573 CID (9.4L) Diesel	4.500in./114.3mmX4.500in./114.3mm	17						
3116 403 CID (6.6L) Diesel	4.134in./105mmX5.000in./127mm	7	3160 636 CID (10.4L) Diesel	4.500in./114.3mmX5.000in./127mm	18						
3306 638 CID (10.5L) CNG Turbocharged	4.750in./120.7mmX6.000in./152.4mm	8	3208 636 CID (10.4L) Diesel	4.500in./114.3mmX5.000in./127mm	19						
3306 638 CID (10.5L) Diesel Turbocharged	4.750in./120.7mmX6.000in./152.4mm	8	3208T 636 CID (10.4L) Diesel Turbocharged	4.500in./114.3mmX5.000in./127mm	19						
3406 893 CID (14.6L) Diesel Turbocharged	5.400in./137.2mmX6.500in./165.1mm	12	3408 1099 CID (18.0L) Diesel	5.400in./137.2mmX6.000in./152.4mm	20						
3406B 893 CID (14.6L) Diesel Turbocharged	5.400in./137.2mmX6.500in./165.1mm	13	3508 2115 CID (34.7L) Diesel	6.700in./170.2mmX7.500in./190.5mm	24						
3406B ATAAC 893 CID (14.6L) Diesel Turbocharged	5.400in./137.2mmX6.500in./165.1mm	13	D346 1191 CID (19.5L) Diesel	5.400in./137.2mmX6.500in./165.1mm	21						
3406B-JWAC 893 CID (14.6L) Diesel Turbocharged	5.400in./137.2mmX6.500in./165.1mm	13	D364 1662 CID (27.3L) Diesel	5.750in./146.1mmX8.000in./203.2mm	22						
3406C 893 CID (14.6L) Diesel Turbocharged	5.400in./137.2mmX6.500in./165.1mm	13	D375 1662 CID (27.3L) Diesel	5.750in./146.1mmX8.000in./203.2mm	22						
3406E 893 CID (14.6L) Diesel Turbocharged	5.400in./137.2mmX6.500in./165.1mm	13	D379 1964 CID (32.2L) Diesel	6.250in./158.8mmX8.000in./203.2mm	23						
D318 525 CID (8.6L) Diesel Turbocharged	4.500in./114.3mmX5.500in./139.7mm	9	D379A 1964 CID (32.2L) Diesel	6.250in./158.8mmX8.000in./203.2mm	23						
D318G 525 CID (8.6L) Diesel	4.500in./114.3mmX5.500in./139.7mm	9	D379B 1964 CID (32.2L) Diesel	6.250in./158.8mmX8.000in./203.2mm	23						
D333 525 CID (8.6L) Diesel	4.500in./114.3mmX5.500in./139.7mm	10	G379 1964 CID (32.2L) CNG	6.250in./158.8mmX8.000in./203.2mm	23						
D333A 525 CID (8.6L) Diesel	4.500in./114.3mmX5.500in./139.7mm	8									
D333B 525 CID (8.6L) Diesel	4.500in./114.3mmX5.500in./139.7mm	8									
D333C 638 CID (10.5L) Diesel	4.750in./120.7mmX6.000in./152.4mm	8									
D334 638 CID (10.5L) Diesel	4.750in./120.7mmX6.000in./152.4mm	8									
D342 1246 CID (20.4L) Diesel	5.750in./146.1mmX8.000in./203.2mm	14									
D342C 1246 CID (20.4L) Diesel	5.750in./146.1mmX8.000in./203.2mm	14									
D342T 1246 CID (20.4L) Diesel Turbocharged	5.750in./146.1mmX8.000in./203.2mm	15									
D343 893 CID (14.6L) Diesel	5.400in./137.2mmX6.500in./165.1mm	11									
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
4F-2884	5.500in./139.7mm	3	4F-2884	6.000in./152.4mm	8	7B-6225	8.000in./203.2mm	6	8N-3753	5.000in./127mm	2
4F-2884	5.500in./139.7mm	4	4F-2884	5.500in./139.7mm	9	7B-6225	8.000in./203.2mm	14			
4F-2884	6.000in./152.4mm	3	4N-389	6.000in./152.4mm	20	7B-6225	8.000in./203.2mm	15			

CATERPILLAR (Cont.)

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1W-5008	6.000in./152.4mm	20	3F-5020	5.500in./139.7mm	9	4M-9960	5.500in./139.7mm	3	7B-9578	8.000in./203.2mm	6
1W-6208	6.000in./152.4mm	20	3F-5020	5.500in./139.7mm	10	4M-9960	6.000in./152.4mm	3	7B-9620	8.000in./203.2mm	14
1W-6209	6.000in./152.4mm	20	3F-5026	5.500in./139.7mm	4	4N-0008	6.000in./152.4mm	20	7B-9620	8.000in./203.2mm	15
1W-9771	5.000in./127mm	2	3F-6777	5.500in./139.7mm	4	5F-5020	5.500in./139.7mm	9	7B-9654	5.500in./139.7mm	4
2B-6488	8.000in./203.2mm	14	4F-8510	8.000in./203.2mm	6	5H-7375	5.500in./139.7mm	8	7F-8511	8.000in./203.2mm	6
2B-6488	8.000in./203.2mm	15	4F-8511	8.000in./203.2mm	14	5H-7375	5.500in./139.7mm	9	7M-4400	5.500in./139.7mm	8
2H-862	8.000in./203.2mm	6	4F-8511	8.000in./203.2mm	15	5H-7375	5.500in./139.7mm	10	7M-4400	5.500in./139.7mm	10
2M-5170	5.500in./139.7mm	3	4F-9623	8.000in./203.2mm	6	6F-1913	8.000in./203.2mm	14	7N-3408	6.000in./152.4mm	20
2M-5170	6.000in./152.4mm	3	4H-7032	8.000in./203.2mm	14	6F-1913	8.000in./203.2mm	15	8F-6777	5.500in./139.7mm	4
3B-7934	8.000in./203.2mm	14	4H-7032	8.000in./203.2mm	15	6F-1914	8.000in./203.2mm	6	8H-5320	8.000in./203.2mm	14
3B-7934	8.000in./203.2mm	15	4H-9591	8.000in./203.2mm	16	6H-5840	8.000in./203.2mm	16	8H-5320	8.000in./203.2mm	15
3B-7937	8.000in./203.2mm	14	4M-447	8.000in./203.2mm	14	7B-7452	8.000in./203.2mm	6	8M-4500	5.500in./139.7mm	8
3B-7937	8.000in./203.2mm	15	4M-447	8.000in./203.2mm	15	7B-7937	8.000in./203.2mm	14	8M-4500	5.500in./139.7mm	10
3B-9511	8.000in./203.2mm	14	4M-9352	8.000in./203.2mm	6	7B-7937	8.000in./203.2mm	15	8M-4502	5.500in./139.7mm	8
3B-9511	8.000in./203.2mm	15	4M-9950	5.500in./139.7mm	3	7B-9511	8.000in./203.2mm	14	8M-4502	5.500in./139.7mm	10
3F-5020	5.500in./139.7mm	8	4M-9950	6.000in./152.4mm	3	7B-9511	8.000in./203.2mm	15	9N-8013	4.500in./114.3mm	17

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	268 CID (4.4L) 3114 Diesel 4 Cyl					4.134in./105mm x 5.000in./127mm		1

Rod Bearing(4)	TM-77	CB-1620P	STD.,25mm.,50mm	2.7551/2.7567	0.0016/0.0052	0.0970	2.9523/2.9533	1.3300
Main Bearing Set	TM-77	MS-2064P	STD.,25mm.,50mm					
1-3-5		MB-3455P		3.5425/3.5441	0.0020/0.0056	0.0968	3.7397/3.7407	1.2550
2		MB-3454P		3.5425/3.5441	0.0020/0.0056	0.0968	3.7397/3.7407	1.2550
4		MB-3456P(F)		3.5425/3.5441	0.0020/0.0056	0.0968	3.7397/3.7407	1.4890

2	318 CID (5.2L) 3204 Diesel 4 Cyl					4.500in./114.3mm x 5.000in./127mm		2

Rod Bearing(4)	TM-112	CB-1599P	STD,10,20	2.7489/2.7505	0.0021/0.0055	0.0948	2.9413/2.9423	1.2550
Main Bearing Set	TM-112	MS-2000P	STD,10					
1-3-5		MB-3415P		3.4990/3.5000	0.0030/0.0066	0.1022	3.7075/3.7085	1.1700
2-4		MB-3414P		3.4990/3.5000	0.0030/0.0066	0.1022	3.7075/3.7085	1.1730
3		MB-3451W		4.0500/4.0700			5.0500/5.0700	0.2150

NOTE: Contains 2 Piece Thrust Washer Set, Use In Number 3 Position

Main Bearing Set	TM-112	MS-2020P	STD,10,20,30					
1-3-5		MB-2733P		3.4990/3.5000	0.0023/0.0053	0.1025	3.7070/3.7080	1.0000
2-4		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000
3		MB-2580W		4.0500/4.0700			5.0500/5.0700	0.1860

NOTE: From Engine Serial No. 45V1 , Contains 2 Piece Thrust Washer Set, Use In Number 3 Position

Thrust Washer Set		TW-252S	STD					
		MB-2580W		4.0500/4.0700			5.0500/5.0700	0.1860

NOTE: From Engine Serial No. 45V1 , Contains 2 Pieces, Position Number 3

Thrust Washer(2)		MB-3451W	STD	4.0500/4.0700			5.0500/5.0700	0.2150

NOTE: Position Number 3

Cam Bearing Set	AL-3	SH-1762S	STD					
1		SH-1762		2.4995/2.5005	0.0004/0.0010	0.0750	2.6520/2.6530	1.8900
2-3		SH-1245		2.4995/2.5005	0.0004/0.0010	0.0750	2.6520/2.6530	0.7600

Rod Forging	8N-3753							
C/S Forging	1W-9771							

Connecting Rod	30 Lbs.Ft. Plus 60 Degrees							
Main Bearing	45 Lbs.Ft. Plus 60 Degrees							

3	350 CID (5.7L) 1670 Turbocharged Diesel 4 Cyl	4.500in./114.3mm x 5.500in./139.7mm	3
	350 CID (5.7L) D330A,D330B,D330 Diesel 4 Cyl	4.500in./114.3mm x 5.500in./139.7mm	
	425 CID (7.0L) 3304 CNG 4 Cyl	4.750in./120.7mm x 6.000in./152.4mm	
	425 CID (7.0L) 3304,D330C Diesel 4 Cyl	4.750in./120.7mm x 6.000in./152.4mm	

Rod Bearing(4)	TM-112	CB-619AL	STD,10,20,30,50	2.9990/3.0000	0.0035/0.0061	0.1230	3.2490/3.2500	1.5050
Main Bearing Set	TM-112	MS-957AL	STD,10,20,30					
1-2-3-4		MB-2580AL		3.4990/3.5000	0.0021/0.0051	0.1566	3.8150/3.8160	1.1300
5		MB-2581AL(F)		3.4990/3.5000	0.0021/0.0051	0.1566	3.8150/3.8160	1.6760

NOTE: Contains Lower Half Flanged Bearing

CATERPILLAR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
3 (Cont.)	350 CID (5.7L) 1670 Turbocharged Diesel 4 Cyl				4.500in./114.3mm x 5.500in./139.7mm			3 (Cont.)
	350 CID (5.7L) D330A,D330B,D330 Diesel 4 Cyl				4.500in./114.3mm x 5.500in./139.7mm			
	425 CID (7.0L) 3304 CNG 4 Cyl				4.750in./120.7mm x 6.000in./152.4mm			
	425 CID (7.0L) 3304,D330C Diesel 4 Cyl				4.750in./120.7mm x 6.000in./152.4mm			
Main Bearing Set 1-2-3-4-5	TM-112	MS-1113AL MB-2580AL	STD,10,20,30,50	3.4990/3.5000	0.0021/0.0051	0.1566	3.8150/3.8160	1.1300
NOTE: Contains Straight Shell Bearings, Use With Part Number TW-252S								
Thrust Washer Set		TW-252S MB-2580W	STD	4.0500/4.0700			5.0500/5.0700	0.1860
NOTE: Contains 2 Pieces, Position Number 5, Use With Part Number MS-1113AL								
Thrust Washer Set		TW-409S MB-3057W	STD	4.0500/4.0700			5.0500/5.0700	0.2320
NOTE: Contains 2 Pieces, Position Number 5, .232" Oversize Length, Use With Part Number MS-1113AL								
Thrust Washer(2)		MB-3451W	STD	4.0500/4.0700			5.0500/5.0700	0.2150
NOTE: Contains 1 Piece, Position Number 5, .215" Oversize Length, Use With Part Number MS-1113AL								
Piston Pin Bushing(4)	C-1	223-3572	STD			0.0750	1.6255/1.6260	1.4000
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 8N702, Requires Boring								
Piston Pin Bushing(4)	C-1	223-3574	STD			0.0770	1.6295/1.6300	1.4500
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 9H3984, Requires Boring, 1.633" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3578	STD			0.0750	1.8250/1.8255	1.4200
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 8N703, Requires Boring, 1.8255" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3643	STD			0.0750	1.8250/1.8255	1.6110
NOTE: Engines With Tapered Pin Bushings,Original Equipment Part Number 8N1849, Requires Boring								
Rod Forging C/S Forging	4F-2884 2M-5170, 4M-9950, 4M-9960							
Connecting Rod	85 Lbs.Ft.							
Main Bearing	155 Lbs.Ft. (Nuts)							
Main Bearing	75 To 85 Lbs.Ft. (Studs)							
4	350 CID (5.7L) D315,D315G Diesel 4 Cyl				4.500in./114.3mm x 5.500in./139.7mm			4
Rod Bearing(4)	TM-112	CB-400AL	STD,10,20,30,50	2.9990/3.0000	0.0035/0.0065	0.1625	3.3280/3.3290	1.5000
NOTE: Contains Full Grooved Bearings,Oil Hole In Both Halves								
Rod Bearing(4)	TM-112	CB-619AL	STD,10,20,30,50	2.9990/3.0000	0.0035/0.0061	0.1230	3.2490/3.2500	1.5050
NOTE: Plain Upper and Lower Halves								
Main Bearing Set 1-2-3-4 5	TM-112	MS-957AL MB-2580AL MB-2581AL(F)	STD,10,20,30	3.4990/3.5000 3.4990/3.5000	0.0021/0.0051 0.0021/0.0051	0.1566 0.1566	3.8150/3.8160 3.8150/3.8160	1.1300 1.6760
NOTE: 3.8150/3.8160" Housing Bore,Eng. With .156" Wall Bearings, Contains Lower Half Flanged Bearing								
Main Bearing Set 1-2-3-4-5	TM-112	MS-1113AL MB-2580AL	STD,10,20,30,50	3.4990/3.5000	0.0021/0.0051	0.1566	3.8150/3.8160	1.1300
NOTE: 3.8150/3.8160" Housing Bore,Eng. With .156" Wall Bearings, Contains Straight Shell Bearings, Use With Part Number TW-252S								
Thrust Washer Set		TW-252S MB-2580W	STD	4.0500/4.0700			5.0500/5.0700	0.1860
NOTE: Contains 2 Pieces, Position Number 5, Use With Part Number MS-1113AL								
Thrust Washer Set		TW-409S MB-3057W	STD	4.0500/4.0700			5.0500/5.0700	0.2320
NOTE: Contains 2 Pieces, Position Number 5, .232" Oversize Length, Use With Part Number MS-1113AL								
Thrust Washer(2)		MB-3451W	STD	4.0500/4.0700			5.0500/5.0700	0.2150
NOTE: Contains 1 Piece,Optional, Position Number 5, .215" Oversize Length, Use With Part Number MS-1113AL								

CATERPILLAR (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
4 (Cont.)	350 CID (5.7L) D315,D315G Diesel 4 Cyl			4.500in./114.3mm x 5.500in./139.7mm				4 (Cont.)
Piston Pin Bushing(4)	C-1	223-3571	STD			0.1260	2.0405/2.0410	1.6970
NOTE: Requires Boring, 2.040" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3572	STD			0.0750	1.6255/1.6260	1.4000
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 8N702, Requires Boring								
Piston Pin Bushing(4)	C-1	223-3574	STD			0.0770	1.6295/1.6300	1.4500
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 9H3984, Requires Boring, 1.633" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3578	STD			0.0750	1.8250/1.8255	1.4200
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 8N703, Requires Boring								
Piston Pin Bushing(4)	C-1	223-3643	STD			0.0750	1.8250/1.8255	1.6110
NOTE: Engines With Tapered Pin Bushings,Original Equipment Part Number 8N1849, Requires Boring								
Rod Forging	4F-2884							
C/S Forging	3F-5026, 3F-6777, 7B-9654, 8F-6777							
Connecting Rod	85 Lbs.Ft.							
Main Bearing	155 Lbs.Ft. (Nuts)							
Main Bearing	75 To 85 Lbs.Ft. (Studs)							
5	595 CID/9766CC (9.8L) D340 Diesel 4 Cyl			5.400in./137.2mm x 6.500in./165.1mm				5
Rod Bearing(4)	TM-77	CB-694AL	STD,25,50	3.5395/3.5405	0.0030/0.0060	0.1560	3.8550/3.8560	1.7750
Main Bearing Set 1-2-3-4	TM-77	MS-856AL	STD,25	4.4995/4.5005	0.0038/0.0068	0.1905	4.8850/4.8860	1.5100
5		MB-2279AL		4.4995/4.5005	0.0038/0.0068	0.1905	4.8850/4.8860	2.0880
NOTE: Contains Lower Half Flanged Bearing								
Connecting Rod	17 To 23 Lbs.Ft.							
Main Bearing	350 Lbs.Ft.							
6	831 CID/13628CC (13.6L) D339,D6600,D7700,D8800,D8841 Diesel 4 Cyl			5.750in./146.1mm x 8.000in./203.2mm				6
Rod Bearing(4)	TM-112	CB-817AL	STD,10,25,50,75	3.6240/3.6250	0.0036/0.0066	0.1692	3.9665/3.9675	2.5670
NOTE: Replaces 2.572" Length Bearing,Replaces 2.659" Length Bearing, 2.567" Length								
Rod Bearing(4)	TM-112	CB-964AL	STD,10,25,50	3.6240/3.6250	0.0036/0.0066	0.1692	3.9665/3.9675	2.0000
NOTE: 2.000" Length								
Main Bearing Set 1-2-4-5	TM-112	MS-1049AL	STD,25	4.2600/4.2610	0.0033/0.0063	0.1800	4.6240/4.6250	1.7800
3		MB-2585AL		4.2600/4.2610	0.0033/0.0063	0.1800	4.6240/4.6250	3.8590
NOTE: 4.6240/4.6250" Housing Bore,Engines With .172" Wall Bearings, Contains Flanged Bearing								
Piston Pin Bushing(4)	C-1	223-3580	STD			0.1340	2.6155/2.6160	2.0720
NOTE: Requires Boring								
Rod Forging	7B-6225							
C/S Forging	2H-862, 4F-8510, 4F-9623, 4M-9352, 6F-1914, 7B-7452, 7B-9578, 7F-8511							
Connecting Rod	123 To 127 Lbs.Ft.							
Main Bearing	350 Lbs.Ft. (7/8" Bolts)							
Main Bearing	58 Lbs.Ft. (5/8" Bolts)							
6 CYL								
7	403 CID (6.6L) 3116 Diesel 6 Cyl			4.134in./105mm x 5.000in./127mm				7
	442 CID (7.2L) 3126,3126B,3126C,3126E Diesel 6 Cyl			4.330in./110mm x 5.000in./127mm				
Rod Bearing(6)	TM-77	CB-1620P	STD,.25mm,.50mm	2.7551/2.7567	0.0016/0.0052	0.0970	2.9523/2.9533	1.3300
Main Bearing Set 1-4-7	TM-77	MS-2065P	STD,.25mm,.50mm	3.5425/3.5441	0.0020/0.0056	0.0968	3.7397/3.7407	1.2550
2-3-5		MB-3455P		3.5425/3.5441	0.0020/0.0056	0.0968	3.7397/3.7407	1.2550
6		MB-3454P		3.5425/3.5441	0.0020/0.0056	0.0968	3.7397/3.7407	1.2550
NOTE: Blocks With Grooved Main Housing Bore								

CATERPILLAR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
7	403 CID (6.6L) 3116 Diesel 6 Cyl			4.134in./105mm x 5.000in./127mm				7
(Cont.)	442 CID (7.2L) 3126,3126B,3126C,3126E Diesel 6 Cyl			4.330in./110mm x 5.000in./127mm				(Cont.)
Main Bearing Set	MS-2219P	STD,.25mm,.50mm		3.5425/3.5441	0.0020/0.0056	0.0968	3.7397/3.7407	1.2550
1-2-3-4-5-7	MB-3454P			3.5425/3.5441	0.0020/0.0056	0.0968	3.7397/3.7407	1.4890
6	MB-3456P(F)							
NOTE: Except Blocks With Grooved Main Housing Bore								
8	525 CID (8.6L) 1673,D333A,D333B Diesel 6 Cyl			4.500in./114.3mm x 5.500in./139.7mm				8
	525 CID (8.6L) G333B,G333C CNG 6 Cyl			4.500in./114.3mm x 5.500in./139.7mm				
	638 CID (10.5L) 1673C,1674,3306 Turbocharged Diesel 6 Cyl			4.750in./120.7mm x 6.000in./152.4mm				
	638 CID (10.5L) 1673,D333C,D334 Diesel 6 Cyl			4.750in./120.7mm x 6.000in./152.4mm				
	638 CID (10.5L) 3306 Turbocharged CNG 6 Cyl			4.750in./120.7mm x 6.000in./152.4mm				
Rod Bearing(6)	TM-112	CB-619AL	STD,10,20,30,50	2.9990/3.0000	0.0035/0.0061	0.1230	3.2490/3.2500	1.5050
Main Bearing Set	TM-112	MS-958AL	STD,10,20,30					
1-2-3-4-5-6	MB-2580AL			3.4990/3.5000	0.0021/0.0051	0.1566	3.8150/3.8160	1.1300
7	MB-2581AL(F)			3.4990/3.5000	0.0021/0.0051	0.1566	3.8150/3.8160	1.6760
NOTE: Contains Flanged Bearing								
Main Bearing Set	TM-112	MS-1114AL	STD,10,20,30,50					
1-2-3-4-5-6-7	MB-2580AL			3.4990/3.5000	0.0021/0.0051	0.1566	3.8150/3.8160	1.1300
NOTE: Contains Straight Shell Bearings, Use With Part Number TW-252S								
Thrust Washer Set		TW-252S	STD					
		MB-2580W		4.0500/4.0700			5.0500/5.0700	0.1860
NOTE: Contains 2 Pieces, Position Number 7, Use With Part Number MS-1114AL								
Thrust Washer Set		TW-409S	STD					
		MB-3057W		4.0500/4.0700			5.0500/5.0700	0.2320
NOTE: Contains 2 Pieces, Position Number 7, .232" Oversize Length, Use With Part Number MS-1114AL								
Thrust Washer(2)		MB-3451W	STD					
NOTE: Contains 1 Piece,Optional, Position Number 7, .215" Oversize Length, Use With Part Number MS-1114AL				4.0500/4.0700			5.0500/5.0700	0.2150
Piston Pin	C-1	223-3572	STD			0.0750	1.6255/1.6260	1.4000
Bushing(6)								
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 8N702,Replaces Original Equipment Number 8N702, Requires Boring								
Piston Pin	C-1	223-3574	STD			0.0770	1.6295/1.6300	1.4500
Bushing(6)								
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 9H3984,Replaces Original Equipment Number 9H3984, Requires Boring								
Piston Pin	C-1	223-3578	STD			0.0750	1.8250/1.8255	1.4200
Bushing(6)								
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 8N703,Replaces Original Equipment Number 8N703, Requires Boring								
Piston Pin	C-1	223-3643	STD			0.0750	1.8250/1.8255	1.6110
Bushing(6)								
NOTE: Engines With Tapered Pin Bushings,Original Equipment Part Number 8N1849,Replaces Original Equipment Number 8N1849, Requires Boring								
Rod Forging	4F-2884							
C/S Forging	3F-5020, 5H-7375, 7M-4400, 8M-4500, 8M-4502							
Connecting Rod	85 Lbs.Ft.							
Main Bearing	155 Lbs.Ft. (Nuts)							
Main Bearing	75 To 85 Lbs.Ft. (Studs)							
9	525 CID (8.6L) D318 Turbocharged Diesel 6 Cyl			4.500in./114.3mm x 5.500in./139.7mm				9
	525 CID (8.6L) D318G Diesel 6 Cyl			4.500in./114.3mm x 5.500in./139.7mm				
Rod Bearing(6)	TM-112	CB-400AL	STD,10,20,30,50	2.9990/3.0000	0.0035/0.0065	0.1625	3.3280/3.3290	1.5000
NOTE: Contains Full Grooved Bearings,Oil Hole In Both Halves								
Rod Bearing(6)	TM-112	CB-619AL	STD,10,20,30,50	2.9990/3.0000	0.0035/0.0061	0.1230	3.2490/3.2500	1.5050
NOTE: Plain Upper and Lower Halves								
Main Bearing Set	TM-112	MS-958AL	STD,10,20,30					
1-2-3-4-5-6	MB-2580AL			3.4990/3.5000	0.0021/0.0051	0.1566	3.8150/3.8160	1.1300
7	MB-2581AL(F)			3.4990/3.5000	0.0021/0.0051	0.1566	3.8150/3.8160	1.6760
NOTE: 3.8150/3.8160" Housing Bore,Eng. With .156" Wall Bearings, Contains Flanged Bearing								

CATERPILLAR (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
9 (Cont.)	525 CID (8.6L) D318 Turbocharged Diesel 6 Cyl			4.500in./114.3mm x 5.500in./139.7mm				9 (Cont.)
	525 CID (8.6L) D318G Diesel 6 Cyl			4.500in./114.3mm x 5.500in./139.7mm				
Main Bearing Set 1-2-3-4-5-6-7	TM-112	MS-1114AL MB-2580AL	STD,10,20,30,50	3.4990/3.5000	0.0021/0.0051	0.1566	3.8150/3.8160	1.1300
NOTE: 3.8150/3.8160" Housing Bore,Eng. With .156" Wall Bearings, Contains Straight Shell Bearings, Use With Part Number TW-252S								
Thrust Washer Set		TW-252S MB-2580W	STD	4.0500/4.0700			5.0500/5.0700	0.1860
NOTE: Contains 2 Pieces, Position Number 7, Use With Part Number MS-1114AL								
Thrust Washer Set		TW-409S MB-3057W	STD	4.0500/4.0700			5.0500/5.0700	0.2320
NOTE: Contains 2 Pieces,Optional, Position Number 7, .232" Oversize Length, Use With Part Number MS-1114AL								
Thrust Washer(2)		MB-3451W	STD	4.0500/4.0700			5.0500/5.0700	0.2150
NOTE: Contains 1 Piece,Optional, Position Number 7, .215" Oversize Length, Use With Part Number MS-1114AL								
Piston Pin Bushing(6)	C-1	223-3571	STD			0.1260	2.0405/2.0410	1.6970
NOTE: Requires Boring, 2.040" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3572	STD			0.0750	1.6255/1.6260	1.4000
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 8N702, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3574	STD			0.0770	1.6295/1.6300	1.4500
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 9H3984, Requires Boring, 1.633" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3578	STD			0.0750	1.8250/1.8255	1.4200
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 8N703, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3643	STD			0.0750	1.8250/1.8255	1.6110
NOTE: Engines With Tapered Pin Bushings,Original Equipment Part Number 8N1849, Requires Boring								
Rod Forging	4F-2884							
C/S Forging	3F-5020, 5F-5020, 5H-7375							
Connecting Rod	85 Lbs.Ft.							
Main Bearing	155 Lbs.Ft. (Nuts)							
Main Bearing	75 To 85 Lbs.Ft. (Studs)							
10	525 CID (8.6L) D333 Diesel 6 Cyl			4.500in./114.3mm x 5.500in./139.7mm				10
	525 CID (8.6L) G333A,G333 CNG 6 Cyl			4.500in./114.3mm x 5.500in./139.7mm				
Piston Pin Bushing(6)	C-1	223-3572	STD			0.0750	1.6255/1.6260	1.4000
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 8N702, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3574	STD			0.0770	1.6295/1.6300	1.4500
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 9H3984, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3578	STD			0.0750	1.8250/1.8255	1.4200
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 8N703, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3643	STD			0.0750	1.8250/1.8255	1.6110
NOTE: Engines With Tapered Pin Bushings,Original Equipment Part Number 8N1849, Requires Boring								
C/S Forging	3F-5020, 5H-7375, 7M-4400, 8M-4500, 8M-4502							
Connecting Rod	85 Lbs.Ft.							
Main Bearing	155 Lbs.Ft. (Nuts)							
Main Bearing	75 To 85 Lbs.Ft. (Studs)							

CATERPILLAR (Cont.)

CATERPILLAR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
11	893 CID (14.6L) 1693,D343 Diesel 6 Cyl			5.400in./137.2mm x 6.500in./165.1mm				11
	893 CID (14.6L) 1693T Turbocharged Diesel 6 Cyl			5.400in./137.2mm x 6.500in./165.1mm				
	893 CID (14.6L) G343 LPG 6 Cyl			5.400in./137.2mm x 6.500in./165.1mm				
Rod Bearing(6)	TM-112	CB-694AL	STD,25,50	3.5395/3.5405	0.0030/0.0060	0.1560	3.8550/3.8560	1.7750
Main Bearing Set 1-2-3-4-5-6	TM-112	MS-712AL	STD,25,50	4.4995/4.5005	0.0038/0.0068	0.1905	4.8850/4.8860	1.5100
7		MB-2279AL		4.4995/4.5005	0.0038/0.0068	0.1905	4.8850/4.8860	2.0880
NOTE: Contains Flanged Bearing								
Piston Pin Bushing(6)	C-1	223-3568	STD			0.1110	2.1825/2.1830	1.8900
NOTE: Straight Connecting Rod, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3585	STD			0.1100	2.1845/2.1850	1.5600
NOTE: Straight Connecting Rod, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3586	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 9 Degree, Wide Tapered Connecting Rod, Requires Boring								
Connecting Rod	17 To 23 Lbs.Ft.							
Main Bearing	350 Lbs.Ft.							
12	893 CID (14.6L) 3406 Turbocharged Diesel 6 Cyl			5.400in./137.2mm x 6.500in./165.1mm				12
Rod Bearing(6)	TM-112	CB-1262AL	STD,10,25,50	3.8189/3.8197	0.0030/0.0060	0.1258	4.0743/4.0753	1.5350
NOTE: 1.535" Bearing Length,From Engine Serial Number 92U2954,Locking Lug on Left Hand Side								
Rod Bearing(6)	TM-112	CB-1372P	STD	3.8195/3.8205	0.0032/0.0064	0.1253	4.0743/4.0753	1.3850
NOTE: 1.385" Bearing Length,Locking Lug on Right Hand Side,Thru Engine Serial No. 92U2954								
Main Bearing(7)	TM-112	MB-2848AL	STD,10,25,50	4.7492/4.7508	0.0022/0.0060	0.1803	5.1133/5.1143	1.6450
NOTE: 1.645" Bearing Length,From Engine Serial Number 90U441,From Engine Serial Number 92U2954, Only Sold Separately, Use With Part Number TW-583S								
Thrust Washer Set		TW-583S	STD	5.2600/5.3000			6.2300/6.2700	0.2270
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MB-2848AL								
Cam Bearing Set 1	AL-3	SH-1487S	STD	2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.3100
2-3-4-5-6-7		SH-1488		2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.0100
Piston Pin Bushing(6)	C-1	223-3577	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 6 Degree Narrow Tapered Connecting Rod, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3585	STD			0.1100	2.1845/2.1850	1.5600
NOTE: Straight Connecting Rod, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3586	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 9 Degree, Wide Tapered Connecting Rod, Requires Boring								
Connecting Rod	60 Lbs.Ft. Plus 120 Degrees							
Main Bearing	190 Lbs.Ft. Plus 120 Degrees							
13	893 CID (14.6L) 3406B ATAAC,3406B-JWAC,3406B,3406C,3406E Turbocharged Diesel 6 Cyl			5.400in./137.2mm x 6.500in./165.1mm				13
Rod Bearing(6)	TM-112	CB-1262AL	STD,10,25,50	3.8189/3.8197	0.0030/0.0060	0.1258	4.0743/4.0753	1.5350
NOTE: 1.535" Bearing Length,From Engine Serial Number 92U2954,Locking Lug on Left Hand Side								
Rod Bearing(6)	TM-112	CB-1372P	STD	3.8195/3.8205	0.0032/0.0064	0.1253	4.0743/4.0753	1.3850
NOTE: 1.385" Bearing Length,Locking Lug on Right Hand Side,Thru Engine Serial No. 92U2954								
Rod Bearing(6)	TM-112	CB-1622P	STD,25,50	3.5425/3.5441	0.0024/0.0063	0.1201	3.7868/3.7882	1.9300
NOTE: Engines With P.E.E.C.,Replaces Original Equipment Number 9Y7735								
Main Bearing(7)	TM-112	MB-2848AL	STD,10,25,50	4.7492/4.7508	0.0022/0.0060	0.1803	5.1133/5.1143	1.6450
NOTE: 1.645" Bearing Length,From Engine Serial Number 90U441,From Engine Serial Number 92U2954, Only Sold Separately, Use With Part Number TW-583S								

CATERPILLAR (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
13 (Cont.)	893 CID (14.6L) 3406B ATAAC,3406B-JWAC,3406B,3406C,3406E Turbocharged Diesel 6 Cyl				5.400in./137.2mm x 6.500in./165.1mm			13 (Cont.)
Thrust Washer Set		TW-583S MB-3448W	STD	5.2600/5.3000			6.2300/6.2700	0.2270
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MB-2848AL								
Cam Bearing(7) NOTE: 3406E Only	AL-5	SH-1979	STD			.1189	3.5810/3.5830	1.4290
Cam Bearing Set 1 2-3-4-5-6-7 NOTE: Except 3406E	AL-3	SH-1487S SH-1488 SH-1487	STD	2.7512/2.7522 2.7512/2.7522	0.0005/0.0057 0.0005/0.0057	0.1360 0.1360	3.0243/3.0257 3.0243/3.0257	1.3100 1.0100
Piston Pin Bushing(6) NOTE: 6 Degree Narrow Tapered Connecting Rod, Requires Boring	C-1	223-3577	STD			0.1060	2.1855/2.1860	1.8850
Piston Pin Bushing(6) NOTE: Straight Connecting Rod, Requires Boring	C-1	223-3585	STD			0.1100	2.1845/2.1850	1.5600
Piston Pin Bushing(6) NOTE: 9 Degree, Wide Tapered Connecting Rod, Requires Boring	C-1	223-3586	STD			0.1060	2.1855/2.1860	1.8850
Connecting Rod Main Bearing	60 Lbs.Ft. Plus 120 Degrees 190 Lbs.Ft. Plus 120 Degrees							
14	1246 CID (20.4L) D13000,D342C,D342 Diesel 6 Cyl 1246 CID (20.4L) G342 LPG 6 Cyl				5.750in./146.1mm x 8.000in./203.2mm 5.750in./146.1mm x 8.000in./203.2mm			14
Rod Bearing(6) NOTE: Replaces 2.572" Length Bearing,Replaces 2.659" Length Bearing, 2.567" Length	TM-112	CB-817AL	STD,10,25,50,75	3.6240/3.6250	0.0036/0.0066	0.1692	3.9665/3.9675	2.5670
Rod Bearing(6) NOTE: 2.000" Length	TM-112	CB-964AL	STD,10,25,50	3.6240/3.6250	0.0036/0.0066	0.1692	3.9665/3.9675	2.0000
Main Bearing Set 1-2-3-5-6-7 4 NOTE: 4.6240/4.6250" Housing Bore,Engines With .172" Wall Bearings, Contains Flanged Bearing	TM-112	MS-1048AL MB-2585AL MB-2586AL(F)	STD,25	4.2600/4.2610 4.2600/4.2610	0.0033/0.0063 0.0033/0.0063	0.1800 0.1800	4.6240/4.6250 4.6240/4.6250	1.7800 3.8590
Piston Pin Bushing(6) NOTE: Requires Boring	C-1	223-3580	STD			0.1340	2.6155/2.6160	2.0720
Rod Forging C/S Forging	7B-6225 4M-447, 2B-6488, 3B-7934, 3B-7937, 3B-9511, 4F-8511, 4H-7032, 6F-1913, 7B-7937, 7B-9511, 7B-9620, 8H-5320							
Connecting Rod Main Bearing Main Bearing	123 To 127 Lbs.Ft. 350 Lbs.Ft. (7/8" Bolts) 58 Lbs.Ft. (5/8" Bolts)							
15	1246 CID (20.4L) D342T Turbocharged Diesel 6 Cyl 1246 CID (20.4L) G342C CNG 6 Cyl				5.750in./146.1mm x 8.000in./203.2mm 5.750in./146.1mm x 8.000in./203.2mm			15
Piston Pin Bushing(6) NOTE: Requires Boring	C-1	223-3580	STD			0.1340	2.6155/2.6160	2.0720
Rod Forging C/S Forging	7B-6225 4M-447, 2B-6488, 3B-7934, 3B-7937, 3B-9511, 4F-8511, 4H-7032, 6F-1913, 7B-7937, 7B-9511, 7B-9620, 8H-5320							
Connecting Rod Main Bearing Main Bearing	123 To 127 Lbs.Ft. 350 Lbs.Ft. (7/8" Bolts) 58 Lbs.Ft. (5/8" Bolts)							
16	1473 CID (24.2L) D353C Turbocharged Diesel 6 Cyl 1473 CID (24.2L) D353D,D353,D353E Diesel 6 Cyl 1473 CID (24.2L) G353 LPG 6 Cyl				6.250in./158.8mm x 8.000in./203.2mm 6.250in./158.8mm x 8.000in./203.2mm 6.250in./158.8mm x 8.000in./203.2mm			16
Rod Bearing(6)	TM-112	CB-778AL	STD,10,25,50	4.1240/4.1250	0.0041/0.0071	0.1557	4.4395/4.4405	1.9800
Main Bearing Set 1 2-3-5-6 4 7 NOTE: 4.9890/4.9900" Housing Bore,Engines With .172" Wall Bearings, Contains Flanged Bearing	TM-112	MS-1062AL MB-2600AL MB-2601AL MB-2602AL MB-2603AL(F)	STD,25	4.6240/4.6250 4.6240/4.6250 4.6240/4.6250 4.6240/4.6250	0.0033/0.0063 0.0033/0.0063 0.0033/0.0063 0.0033/0.0063	0.1805 0.1805 0.1805 0.1805	4.9890/4.9900 4.9890/4.9900 4.9890/4.9900 4.9890/4.9900	2.3800 2.0050 3.1050 2.8800

CATERPILLAR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
16 (Cont.)	1473 CID (24.2L) D353C Turbocharged Diesel 6 Cyl				6.250in./158.8mm x 8.000in./203.2mm			16 (Cont.)
	1473 CID (24.2L) D353D,D353,D353E Diesel 6 Cyl				6.250in./158.8mm x 8.000in./203.2mm			
	1473 CID (24.2L) G353 LPG 6 Cyl				6.250in./158.8mm x 8.000in./203.2mm			
Piston Pin Bushing(6)	C-1	223-3570	STD		1.2500	2.6755/2.6760	2.2600	
NOTE: Requires Boring								
C/S Forging	4H-9591, 6H-5840							
Connecting Rod	190 Lbs.Ft.							
Main Bearing	445 Lbs.Ft.							
8 CYL								
17	522 CID (8.6L) 1140,1145,3145 Diesel V8 Cyl				4.500in./114.3mm x 4.100in./104.1mm			17
	573 CID (9.4L) 1150,3150 Diesel V8 Cyl				4.500in./114.3mm x 4.500in./114.3mm			
Rod Bearing(8)	TM-112	CB-972P	STD,10,20,30,40	2.7496/2.7504	0.0018/0.0046	0.0948	2.9413/2.9423	0.9550
Main Bearing Set 1-2-3-5	TM-112	MS-1421P	STD,10,20,30					
		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000
4		MB-2735P(F)		3.4990/3.5000	0.0013/0.0043	0.1028	3.7070/3.7080	1.2530
NOTE: Contains Upper Half Flanged Bearing, 1.253" Lgth. Upr. Half Flanged								
Main Bearing Set 1-2-3-5	TM-112	MS-1592P	STD,20					
		MB-2929P		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.0000
4		MB-2930P(F)		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.2530
NOTE: .010" Oversize On Outside Diameter,1.253" Lgth. Upr. Half Flanged								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1245S	STD					
		SH-1245		2.4995/2.5005	0.0004/0.0010	0.0750	2.6520/2.6530	0.7600
C/S Forging 9N-8013								
Connecting Rod	30 Lbs.Ft. Plus 60 Degrees (Lubricant Required)							
18	636 CID (10.4L) 1160,3160 Diesel V8 Cyl				4.500in./114.3mm x 5.000in./127mm			18
Rod Bearing(8)	TM-112	CB-972P	STD,10,20,30,40	2.7496/2.7504	0.0018/0.0046	0.0948	2.9413/2.9423	0.9550
Main Bearing Set 1-2-3-5	TM-112	MS-1421P	STD,10,20,30					
		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000
4		MB-2735P(F)		3.4990/3.5000	0.0013/0.0043	0.1028	3.7070/3.7080	1.2530
NOTE: Contains Upper Half Flanged Bearing, 1.253" Lgth. Upr. Half Flanged								
Main Bearing Set 1-2-3-5	TM-112	MS-1592P	STD,20					
		MB-2929P		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.0000
4		MB-2930P(F)		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.2530
NOTE: .010" Oversize On Outside Diameter,1.253" Lgth. Upr. Half Flanged								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1245S	STD					
		SH-1245		2.4995/2.5005	0.0004/0.0010	0.0750	2.6520/2.6530	0.7600
Piston Pin Bushing(8)	C-1	223-3569	STD		0.0770	1.6295/1.6300	1.3100	
NOTE: Engines With Cylindrical Pin Bushings, Requires Boring								
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	175 Lbs.Ft.							
19	636 CID (10.4L) 3208 Diesel V8 Cyl				4.500in./114.3mm x 5.000in./127mm			19
	636 CID (10.4L) 3208T Turbocharged Diesel V8 Cyl				4.500in./114.3mm x 5.000in./127mm			
Rod Bearing(8)	TM-112	CB-972P	STD,10,20,30,40	2.7496/2.7504	0.0018/0.0046	0.0948	2.9413/2.9423	0.9550
NOTE: .955" Bearing Length,Early Engine								
Rod Bearing(8)	TM-112	CB-1215P	STD,10,20,30,40	2.7490/2.7502	0.0020/0.0054	0.0948	2.9413/2.9423	1.0100
NOTE: 1.010" Bearing Length,Late Engines								
Main Bearing Set 1	TM-112	MS-1420P	STD,10,20,30					
		MB-2733P		3.4990/3.5000	0.0023/0.0053	0.1025	3.7070/3.7080	1.0000
2-3-5		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000
4		MB-2735P(F)		3.4990/3.5000	0.0013/0.0043	0.1028	3.7070/3.7080	1.2530
NOTE: Late Engines, Non-Grooved Front Bearing								
Main Bearing Set 1-2-3-5	TM-112	MS-1421P	STD,10,20,30					
		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000
4		MB-2735P(F)		3.4990/3.5000	0.0013/0.0043	0.1028	3.7070/3.7080	1.2530
NOTE: Early Engine, Contains Upper Half Flanged Bearing, 1.253" Lgth. Upr. Half Flanged								

CATERPILLAR (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
19 (Cont.)	636 CID (10.4L) 3208 Diesel V8 Cyl			4.500in./114.3mm x 5.000in./127mm				19 (Cont.)
	636 CID (10.4L) 3208T Turbocharged Diesel V8 Cyl			4.500in./114.3mm x 5.000in./127mm				
Main Bearing Set	TM-112	MS-1422P	STD,10,20,30					
1		MB-2736P		3.4990/3.5000	0.0023/0.0053	0.1025	3.7070/3.7080	1.0000
2-3-5		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000
4		MB-2735P(F)		3.4990/3.5000	0.0013/0.0043	0.1028	3.7070/3.7080	1.2530
NOTE: Late Engines, Grooved Front Bearing								
Main Bearing Set	TM-112	MS-1592P	STD,20					
1-2-3-5		MB-2929P		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.0000
4		MB-2930P(F)		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.2530
NOTE: Early Engine, Optional, .010" Oversize On Outside Diameter, 1.253" Lgth. Upr. Half Flanged								
Main Bearing Set	TM-112	MS-1593P	STD,20					
1		MB-2927P		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.0000
2-3-5		MB-2929P		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.0000
4		MB-2930P(F)		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.2530
NOTE: Late Engines, Non-Grooved Front Bearing, Optional, .010" Oversize On Outside Diameter								
Main Bearing Set	TM-112	MS-1594P	STD,20					
1		MB-2928P		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.0000
2-3-5		MB-2929P		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.0000
4		MB-2930P(F)		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.2530
NOTE: Late Engines, Grooved Front Bearing, Optional, .010" Oversize On Outside Diameter								
Cam Bearing Set	AL-3	SH-1245S	STD					
1-2-3-4-5		SH-1245		2.4995/2.5005	0.0004/0.0010	0.0750	2.6520/2.6530	0.7600
Piston Pin Bushing(8)	C-1	223-3569	STD			0.0770	1.6295/1.6300	1.3100
NOTE: Engines With Cylindrical Pin Bushings, Requires Boring								
Piston Pin Bushing(8)	C-1	223-3628	STD			0.0775	1.6290/1.6295	1.3020
NOTE: Engines With Cylindrical Pin Bushings, Engines With Tapered Pin Bushings, Requires Boring								
Connecting Rod	30 Lbs.Ft. Plus 60 Degrees (Lubricant Required)							
Main Bearing	30 Lbs.Ft. Plus 120 Degrees (Lubricant Required)							
20	1099 CID (18.0L) 3408 Diesel V8 Cyl			5.400in./137.2mm x 6.000in./152.4mm				20
Rod Bearing(8)	TM-112	CB-1262AL	STD,10,25,50	3.8189/3.8197	0.0030/0.0060	0.1258	4.0743/4.0753	1.5350
NOTE: Locking Lug on Left Hand Side								
Main Bearing(5)	TM-112	MB-2848AL	STD,10,25,50	4.7492/4.7508	0.0022/0.0060	0.1803	5.1133/5.1143	1.6450
NOTE: Engs. With 1.645" Lgth Bearing, Only Sold Separately								
Thrust Washer Set		TW-583S	STD					
		MB-3448W		5.2600/5.3000			6.2300/6.2700	0.2270
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MB-2848AL								
Cam Bearing(3)	AL-3	SH-1487	STD	2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.0100
NOTE: Only Sold Separately, Positions 2,3, And 4								
Cam Bearing(2)	AL-3	SH-1488	STD	2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.3100
NOTE: Only Sold Separately, Positions 1 And 5								
Piston Pin Bushing(8)	C-1	223-3577	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 6 Degree Narrow Tapered Connecting Rod, Reqs. 4.405" Lgth. Piston Pin, Requires Boring								
Piston Pin Bushing(8)	C-1	223-3585	STD			0.1100	2.1845/2.1850	1.5600
NOTE: Reqs. 4.405" Lgth. Piston Pin, Straight Connecting Rod, Requires Boring								
Piston Pin Bushing(8)	C-1	223-3586	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 9 Degree, Wide Tapered Connecting Rod, Requires Boring								
Rod Forging	4N-389							
C/S Forging	1W-5008, 1W-6208, 1W-6209, 4N-0008, 7N-3408							
Connecting Rod	60 Lbs.Ft. Plus 120 Degrees							
Main Bearing	190 Lbs.Ft. Plus 120 Degrees							

CATERPILLAR (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
21	1191 CID (19.5L) D346 Diesel V8 Cyl			5.400in./137.2mm x 6.500in./165.1mm				21
Rod Bearing(8)	TM-112	CB-1232AL	STD,25,50	4.3745/4.3755	0.0024/0.0056	0.1713	4.7200/4.7210	1.3730
NOTE: 60 Degree Bank Engine, Slot For Dowel Pin In Rod Bore								
Main Bearing(5)	TM-112	MB-2795AL	STD,25,50	5.2510/5.2520	0.0033/0.0065	0.1895	5.6340/5.6350	1.8910
NOTE: 60 Degree Bank Engine, Only Sold Separately								
Piston Pin Bushing(8)	C-1	223-3568	STD			0.1110	2.1825/2.1830	1.8900
NOTE: Requires Boring, 2.001" Inside Diameter								
Piston Pin Bushing(8)	C-1	223-3586	STD			0.1060	2.1855/2.1860	1.8850
NOTE: Requires Boring,Tapered Bushing, 1.985" Inside Diameter								
Connecting Rod	90 Lbs.Ft. Plus 120 Degrees							
22	1662 CID (27.3L) D364,D375 Diesel 8 Cyl			5.750in./146.1mm x 8.000in./203.2mm				22
Piston Pin Bushing(8)	C-1	223-3580	STD			0.1340	2.6155/2.6160	2.0720
NOTE: Requires Boring								
23	1964 CID (32.2L) D379A,D379B,D379 Diesel V8 Cyl			6.250in./158.8mm x 8.000in./203.2mm				23
1964 CID (32.2L) G379 CNG V8 Cyl				6.250in./158.8mm x 8.000in./203.2mm				
Rod Bearing(8)	TM-112	CB-970AL	STD,10,25,50	4.9990/5.0000	0.0029/0.0061	0.1908	5.3840/5.3850	1.8630
Main Bearing Set 1-2-3-4-5	TM-112	MS-1058AL MB-2597AL	STD,25	5.7490/5.7500	0.0039/0.0071	0.3092	6.3720/6.3730	2.1300
Thrust Washer Set		TW-226S MB-2597W	STD	6.6300/6.6500			7.7400/7.7600	0.2820
NOTE: Contains 2 Pieces, Position Number 5								
Piston Pin Bushing(8)	C-1	223-3570	STD			1.2500	2.6755/2.6760	2.2600
NOTE: Requires Boring								
Connecting Rod	44 Lbs.Ft. Plus 120 Degrees							
Main Bearing	200 Lbs.Ft. Plus 120 Degrees							
24	2115 CID (34.7L) 3508 Diesel V8 Cyl			6.700in./170.2mm x 7.500in./190.5mm				24
Rod Bearing(8)	TM-112	CB-1621P	STD,25	5.3140/5.3160	0.0042/0.0086	0.1550	5.6304/5.6316	2.2440
Main Bearing(5)	TM-112	MB-3466P	STD,25	6.2982/6.3010	0.0048/0.0095	0.1550	6.6820/6.6836	2.2440
NOTE: Only Sold Separately, Use With Part Number MB-3466W								
Thrust Washer(2)		MB-3466W	STD				9.2200/9.2360	0.3340
NOTE: Only Sold Separately, Position Number 3, Use With Part Number MB-3466P								
Cam Bearing(10)	AL-3	SH-1761	STD	3.3800/3.3820	0.0012/0.0060	0.1190	3.6212/3.6228	1.5950
NOTE: Only Sold Separately								
Connecting Rod	65 Lbs.Ft. Plus 90 Degrees							
Main Bearing	90 To 110 Lbs.Ft. Plus 120 Degrees							
12 CYL								
25	1649 CID/27043CC (27.0L) 3412 Diesel V12 Cyl			5.400in./137.2mm x 6.000in./152.4mm				25
1649 CID/27043CC (27.0L) 3412T Turbocharged Diesel V12 Cyl				5.400in./137.2mm x 6.000in./152.4mm				
Rod Bearing(12)	TM-112	CB-1262AL	STD,10,25,50	3.8189/3.8197	0.0030/0.0060	0.1258	4.0743/4.0753	1.5350
NOTE: Locking Lug on Left Hand Side								
Main Bearing(7)	TM-112	MB-2848AL	STD,10,25,50	4.7492/4.7508	0.0022/0.0060	0.1803	5.1133/5.1143	1.6450
NOTE: 1.645" Bearing Length, Only Sold Separately								
Thrust Washer Set		TW-583S MB-3448W	STD	5.2600/5.3000			6.2300/6.2700	0.2270
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MB-2848AL								
Cam Bearing(5)	AL-3	SH-1487	STD	2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.0100
NOTE: Only Sold Separately, Positions 2,3,4,5, And 6								
Cam Bearing(2)	AL-3	SH-1488	STD	2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.3100
NOTE: Only Sold Separately, Positions 1 And 7								
Piston Pin Bushing(12)	C-1	223-3577	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 6 Degree Narrow Tapered Connecting Rod, Requires Boring								
Piston Pin Bushing(12)	C-1	223-3585	STD			0.1100	2.1845/2.1850	1.5600
NOTE: Straight Connecting Rod, Requires Boring, 1.550" Length,2.001" Inside Diameter								

CATERPILLAR (Cont.)

COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
12 CYL (Cont.)									
25 (Cont.)	1649 CID/27043CC (27.0L) 3412 Diesel V12 Cyl			5.400in./137.2mm x 6.000in./152.4mm				25 (Cont.)	
1649 CID/27043CC (27.0L) 3412T Turbocharged Diesel V12 Cyl				5.400in./137.2mm x 6.000in./152.4mm					
Piston Pin Bushing(12)	C-1	223-3586	STD	0.1060				2.1855/2.1860	1.8850
NOTE: 9 Degree, Wide Tapered Connecting Rod, Requires Boring,Tapered Bushing, 1.875" Length,1.985" Inside Diameter									
Connecting Rod	60 Lbs.Ft. Plus 120 Degrees								
Main Bearing	190 Lbs.Ft. Plus 120 Degrees								
26	1786 CID (29.3L) D348 Diesel V12 Cyl			5.400in./137.2mm x 6.500in./165.1mm				26	
Rod Bearing(12)	TM-112	CB-1232AL	STD,25,50	4.3745/4.3755	0.0024/0.0056	0.1713	4.7200/4.7210	1.3730	
NOTE: Slot For Dowel Pin In Rod Bore									
Main Bearing(7)	TM-112	MB-2795AL	STD,25,50	5.2510/5.2520	0.0033/0.0065	0.1895	5.6340/5.6350	1.8910	
NOTE: Only Sold Separately									
Piston Pin Bushing(12)	C-1	223-3568	STD	0.1110				2.1825/2.1830	1.8900
NOTE: Requires Boring, 2.001" Inside Diameter									
Piston Pin Bushing(12)	C-1	223-3586	STD	0.1060				2.1855/2.1860	1.8850
NOTE: Requires Boring, 1.985" Inside Diameter									
Connecting Rod	90 Lbs.Ft. Plus 120 Degrees								
27	2493 CID (40.9L) D386,D397 Diesel 12 Cyl			5.750in./146.1mm x				27	
Piston Pin Bushing(12)	C-1	223-3580	STD	0.1340				2.6155/2.6160	2.0720
NOTE: Requires Boring									
28	2946 CID (48.3L) D398A,D398B,D398 Diesel V12 Cyl			6.250in./158.8mm x 8.000in./203.2mm				28	
2946 CID (48.3L) G398 CNG V12 Cyl				6.250in./158.8mm x 8.000in./203.2mm					
Rod Bearing(12)	TM-112	CB-970AL	STD,10,25,50	4.9990/5.0000	0.0029/0.0061	0.1908	5.3840/5.3850	1.8630	
Main Bearing Set 1-2-3-4-5-6-7	TM-112	MS-1059AL MB-2597AL	STD,25	5.7490/5.7500	0.0039/0.0071	0.3092	6.3720/6.3730	2.1300	
NOTE: Requires Thrust Washer Set, Not Included									
Thrust Washer Set		TW-226S MB-2597W	STD	6.6300/6.6500	7.7400/7.7600			0.2820	
NOTE: Contains 2 Pieces, Position Number 7, Use With Part Number MS-1059AL									
Piston Pin Bushing(12)	C-1	223-3570	STD	1.2500				2.6755/2.6760	2.2600
NOTE: Requires Boring									
Connecting Rod	44 Lbs.Ft. Plus 120 Degrees								
Main Bearing	200 Lbs.Ft. Plus 120 Degrees								
29	3173 CID (52.0L) 3512 Diesel V12 Cyl			6.700in./170.2mm x 7.500in./190.5mm				29	
Rod Bearing(12)	TM-112	CB-1621P	STD,25	5.3140/5.3160	0.0042/0.0086	0.1550	5.6304/5.6316	2.2440	
Main Bearing(7)	TM-112	MB-3466P	STD,25	6.2982/6.3010	0.0048/0.0095	0.1550	6.6820/6.6836	2.2440	
NOTE: Only Sold Separately									
Thrust Washer(2)		MB-3466W	STD	9.2200/9.2360				0.3340	
NOTE: Only Sold Separately, Position Number 4, Use With Part Number MB-3466P									
Cam Bearing(14)	AL-3	SH-1761	STD	3.3800/3.3820	0.0012/0.0060	0.1190	3.6212/3.6228	1.5950	
NOTE: Only Sold Separately									
Connecting Rod	65 Lbs.Ft. Plus 90 Degrees								
Main Bearing	130 To 150 Lbs.Ft. Plus 180 Degrees (7/8" Bolts)								
Main Bearing	90 To 110 Lbs.Ft. Plus 215 Degrees (3/4" Bolts)								
16 CYL									
30	2382 CID (39.1L) D349 Diesel V16 Cyl			5.400in./137.2mm x 6.500in./165.1mm				30	
Rod Bearing(16)	TM-112	CB-1232AL	STD,25,50	4.3745/4.3755	0.0024/0.0056	0.1713	4.7200/4.7210	1.3730	
NOTE: Slot For Dowel Pin In Rod Bore									
Main Bearing(9)	TM-112	MB-2795AL	STD,25,50	5.2510/5.2520	0.0033/0.0065	0.1895	5.6340/5.6350	1.8910	
NOTE: Only Sold Separately									
Piston Pin Bushing(16)	C-1	223-3568	STD	0.1110				2.1825/2.1830	1.8900
NOTE: Requires Boring, 2.001" Inside Diameter									

CATERPILLAR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
16 CYL (Cont.)								
30 (Cont.)	2382 CID (39.1L) D349 Diesel V16 Cyl			5.400in./137.2mm x 6.500in./165.1mm				30 (Cont.)
Piston Pin Bushing(16)	C-1	223-3586	STD			0.1060	2.1855/2.1860	1.8850
NOTE: Requires Boring,Tapered Bushing, 1.985" Inside Diameter								
Connecting Rod	90 Lbs.Ft. Plus 120 Degrees							
31	3928 CID (64.4L) D399B,D399 Diesel V16 Cyl			6.250in./158.8mm x 8.000in./203.2mm				31
	3928 CID (64.4L) G399 CNG V16 Cyl			6.250in./158.8mm x 8.000in./203.2mm				
Rod Bearing(16)	TM-112	CB-970AL	STD,10,25,50	4.9990/5.0000	0.0029/0.0061	0.1908	5.3840/5.3850	1.8630
Main Bearing Set 1-2-3-4-5-6-7-8-9	TM-112	MS-1069AL MB-2597AL	STD,25	5.7490/5.7500	0.0039/0.0071	0.3092	6.3720/6.3730	2.1300
Thrust Washer Set		TW-226S MB-2597W	STD	6.6300/6.6500			7.7400/7.7600	0.2820
NOTE: Contains 2 Pieces, Position Number 9, Use With Part Number MS-1069AL								
Piston Pin Bushing(16)	C-1	223-3570	STD			1.2500	2.6755/2.6760	2.2600
NOTE: Requires Boring								
Connecting Rod	44 Lbs.Ft. Plus 120 Degrees							
Main Bearing	200 Lbs.Ft. Plus 120 Degrees							
32	3948 CID (64.7L) 3516 Diesel V16 Cyl			6.700in./170.2mm x 7.000in./177.8mm				32
Rod Bearing(16)	TM-112	CB-1621P	STD,25	5.3140/5.3160	0.0042/0.0086	0.1550	5.6304/5.6316	2.2440
Main Bearing(9)	TM-112	MB-3466P	STD,25	6.2982/6.3010	0.0048/0.0095	0.1550	6.6820/6.6836	2.2440
NOTE: Only Sold Separately, Use With Part Number MB-3466W								
Thrust Washer(2)		MB-3466W	STD				9.2200/9.2360	0.3340
NOTE: Only Sold Separately, Position Number 5, Use With Part Number MB-3466P								
Cam Bearing(18)	AL-3	SH-1761	STD	3.3800/3.3820	0.0012/0.0060	0.1190	3.6212/3.6228	1.5950
NOTE: Only Sold Separately								
Connecting Rod	65 Lbs.Ft. Plus 90 Degrees							
Main Bearing	90 To 110 Lbs.Ft. Plus 180 Degrees							
CHRYSLER								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
4 CYL				4 CYL (Cont.)				
86 CID (1.4L) SOHC "J" Mitsubishi	1979-1984	2.913in./74mmX3.228in./82mm	1	112 CID (1.8L) 16 Valve (4G93) Mitsubishi	1992-1996	3.189in./81mmX3.504in./89mm	8	
92 CID (1.5L) 12 Valve "Q" Mitsubishi	1991-1996	2.972in./75.5mmX3.228in./82mm	2	122 CID (2.0L) 4G63 DOHC Mitsubishi	1989-1994	3.346in./85mmX3.465in./88mm	9	
92 CID (1.5L) SOHC 8 Valve "Q" Fuel Injected Mitsubishi	1987-1990	2.972in./75.5mmX3.228in./82mm	3	122 CID (2.0L) 4G63T DOHC TURBO Mitsubishi Turbocharged	1990-1998	3.346in./85mmX3.465in./88mm	9	
92 CID (1.5L) SOHC Jet Valve "Q" Carbureted Mitsubishi	1985-1991	2.972in./75.5mmX3.228in./82mm	3	122 CID (2.0L) DOHC	1995-1999	3.445in./87.5mmX3.268in./83mm	10	
				122 CID (2.0L) SOHC	1995-2003	3.445in./87.5mmX3.268in./83mm	10	
97 CID (1.6L) OHV Peugeot	1983-1986	3.175in./80.65mmX3.386in./86mm	4	122 CID (2.0L) SOHC "A" Mitsubishi	1983-1992	3.346in./85mmX3.465in./88mm	11	
98 CID (1.6L) DOHC Mitsubishi	1989-1990	3.240in./82.3mmX2.953in./75mm	5	122 CID/1997CC (2.0L) SOHC "U" Mitsubishi	1974-1982	3.307in./84mmX3.543in./90mm	12	
98 CID (1.6L) DOHC Mitsubishi Turbocharged	1989	3.240in./82.3mmX2.953in./75mm	5	132 CID (2.2L) J7T Renault	1988-1989	3.465in./88mmX3.504in./89mm	13	
98 CID (1.6L) SOHC Mitsubishi	1984	3.028in./76.9mmX3.386in./86mm	5	135 CID (2.2L) DOHC Turbocharged	1991-1993	3.445in./87.5mmX3.622in./92mm	14	
98 CID (1.6L) SOHC K & Z Mitsubishi	1971-1984	3.028in./76.9mmX3.386in./86mm	5	135 CID (2.2L) DOHC Maserati Turbocharged	1989-1990	3.445in./87.5mmX3.622in./92mm	14	
98 CID (1.6L) SOHC K & Z Mitsubishi Turbocharged	1984-1990	3.028in./76.9mmX3.386in./86mm	5	135 CID (2.2L) SOHC	1981-1994	3.445in./87.5mmX3.622in./92mm	14	
105 CID (1.7L) SOHC Volkswagen	1978-1983	3.130in./79.5mmX3.386in./86mm	6	135 CID (2.2L) SOHC Turbocharged	1984-1990	3.445in./87.5mmX3.622in./92mm	14	
107 CID (1.8L) 8 Valve (4G37) Mitsubishi	1989-1992	3.173in./80.6mmX3.386in./86mm	7	143 CID (2.3L) SOHC Mitsubishi Turbocharged Diesel	1983-1985	3.587in./91.1mmX3.543in./90mm	15	

CHRYSLER (Cont.)

ENGINE DATA (Cont.)

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL (Cont.)				6 CYL (Cont.)			
144 CID (2.4L) 4G64 SOHC 16 Valve Mitsubishi	1993-1996	3.405in./86.5mmX3.937in./100mm	16	230 CID (3.8L) Ind 30	1942-1960	3.250in./82.6mmX4.625in./117.5mm	35
144 CID (2.4L) 4G64 SOHC 8 Valve Mitsubishi	1990-1993	3.405in./86.5mmX3.937in./100mm	9	230 CID (3.8L) Ind 31	1942-1960	3.250in./82.6mmX4.625in./117.5mm	35
148 CID/2429CC (2.4L) DOHC	1995-2004	3.445in./87.5mmX3.976in./101mm	17	230 CID (3.8L) Ind 6	1942-1960	3.250in./82.6mmX4.625in./117.5mm	35
148 CID/2429CC (2.4L) DOHC	2003-2004	3.445in./87.5mmX3.976in./101mm	18	230 CID (3.8L) Ind 6A	1942-1960	3.250in./82.6mmX4.625in./117.5mm	35
Turbocharged/Intercooled				230 CID (3.8L) Ind 931	1942-1960	3.250in./82.6mmX4.625in./117.5mm	35
150 CID (2.5L) Jeep	1996-2002	3.875in./98.4mmX3.190in./81.03mm	19	230 CID (3.8L) L-Head	1946-1959	3.250in./82.6mmX4.625in./117.5mm	38
150 CID (2.5L) SOHC Renault	1988-1989	3.875in./98.4mmX3.190in./81.03mm	20	230 CID (3.8L) L-Head Dodge	1942-1960	3.250in./82.6mmX4.625in./117.5mm	38
153 CID (2.5L) SOHC	1986-1995	3.445in./87.5mmX4.094in./104mm	21	230 CID (3.8L) T116		3.250in./82.6mmX4.625in./117.5mm	35
153 CID (2.5L) SOHC	1989-1992	3.445in./87.5mmX4.094in./104mm	21	237 CID (3.9L) 236		3.438in./87.3mmX4.250in./108mm	39
Turbocharged				237 CID (3.9L) Ind 7		3.438in./87.3mmX4.250in./108mm	39
153 CID (2.5L) SOHC Flex	1993-1994	3.445in./87.5mmX4.094in./104mm	21	237 CID (3.9L) Ind 7A		3.438in./87.3mmX4.250in./108mm	39
156 CID (2.6L) SOHC "F" Mitsubishi	1978-1987	3.587in./91.1mmX3.858in./98mm	12	237 CID (3.9L) L-Head DeSoto	1942-1950	3.438in./87.3mmX4.250in./108mm	34
156 CID (2.6L) SOHC "F" Mitsubishi	1984-1987	3.587in./91.1mmX3.858in./98mm	22	237 CID (3.9L) T118		3.438in./87.3mmX4.250in./108mm	39
156 CID (2.6L) SOHC "F" Mitsubishi	1985-1989	3.587in./91.1mmX3.858in./98mm	22	237 CID (3.9L) T120		3.438in./87.3mmX4.250in./108mm	39
Turbocharged/Intercooled				239 CID (3.9L) Dodge	1987-2002	3.910in./99.3mmX3.313in./84.2mm	40
156 CID (2.6L) SOHC "W" Mitsubishi	1979-1989	3.590in./91.2mmX3.858in./98mm	22	242 CID (4.0L) L-Head Dodge	1938-1941	3.375in./85.7mmX4.500in./114.3mm	34
6 CYL				243 CID (4.0L) OHV Mitsubishi Diesel	1978-1979	3.622in./92mmX3.937in./100mm	41
2497CC (2.5L) EEB Mitsubishi	1995-2000	3.290in./83.5mmX2.992in./76mm	23	251 CID (4.1L) 251		3.438in./87.3mmX4.500in./114.3mm	39
167 CID/2736CC (2.7L) DOHC	1998-2005	3.386in./86mmX3.091in./78.5mm	24	251 CID (4.1L) 8-213		3.438in./87.3mmX4.500in./114.3mm	39
167 CID/2736CC (2.7L) DOHC Flex	2003	3.386in./86mmX3.091in./78.5mm	25	251 CID (4.1L) 8-231		3.438in./87.3mmX4.500in./114.3mm	39
170 CID (2.8L) OHV	1960-1969	3.400in./86.4mmX3.125in./79.4mm	26	251 CID (4.1L) 908A		3.438in./87.3mmX4.500in./114.3mm	39
181 CID (3.0L) DOHC Mitsubishi	1991-1996	3.587in./91.1mmX2.992in./76mm	27	251 CID (4.1L) Ind 8		3.438in./87.3mmX4.500in./114.3mm	39
181 CID (3.0L) DOHC Mitsubishi Turbocharged	1991-1996	3.587in./91.1mmX2.992in./76mm	27	251 CID (4.1L) Ind 8A		3.438in./87.3mmX4.500in./114.3mm	39
181 CID (3.0L) SOHC Mitsubishi	1987-2000	3.587in./91.1mmX2.992in./76mm	27	251 CID (4.1L) L-Head	1942-1954	3.438in./87.3mmX4.500in./114.3mm	34
181 CID/2972CC (3.0L) EF7 SOHC Mitsubishi	2001-2003	3.587in./91.1mmX2.992in./76mm	28	251 CID (4.1L) L-Head Dodge	1942-1968	3.438in./87.3mmX4.500in./114.3mm	42
197 CID (3.2L) EGW SOHC	1998-2001	3.622in./92mmX3.307in./84mm	29	251 CID (4.1L) T42		3.438in./87.3mmX4.500in./114.3mm	39
198 CID (3.2L) OHV	1970-1974	3.400in./86.4mmX3.641in./92.5mm	26	265 CID (4.3L) 265		3.438in./87.3mmX4.750in./120.7mm	39
201 CID (3.3L)	1990-2002	3.661in./93mmX3.189in./81mm	30	265 CID (4.3L) H908A		3.438in./87.3mmX4.750in./120.7mm	39
201 CID (3.3L) CNG	1994-1996	3.661in./93mmX3.189in./81mm	30	265 CID (4.3L) Ind 16		3.438in./87.3mmX4.750in./120.7mm	39
201 CID (3.3L) Flex	1994-1995	3.661in./93mmX3.189in./81mm	30	265 CID (4.3L) Ind 16A		3.438in./87.3mmX4.750in./120.7mm	39
201 CID (3.3L) EGM Flex	1998-2002	3.661in./93mmX3.189in./81mm	30	265 CID (4.3L) Ind 32		3.438in./87.3mmX4.750in./120.7mm	39
215 CID (3.5L) SOHC	1993-2005	3.780in./96mmX3.189in./81mm	31	265 CID (4.3L) Ind 33		3.438in./87.3mmX4.750in./120.7mm	39
218 CID (3.6L) 5/5A/6/6A/30/31	1942-1954	3.250in./82.6mmX4.375in./111.1mm	32	265 CID (4.3L) L-Head	1951-1954	3.438in./87.3mmX4.750in./120.7mm	34
218 CID (3.6L) L-Head	1934-1954	3.250in./82.6mmX4.375in./111.1mm	33	265 CID (4.3L) L-Head Dodge	1953-1960	3.438in./87.3mmX4.750in./120.7mm	43
218 CID (3.6L) L-Head (Canadian)	1938-1954	3.375in./85.7mmX4.063in./103.2mm	34	354 CID (5.8L) 6-354 Perkins Diesel	1966-1970	3.877in./98.5mmX5.000in./127mm	44
218 CID (3.6L) T112		3.250in./82.6mmX4.375in./111.1mm	35	359 CID (5.9L) ETA Cummins Turbocharged Diesel	1989-1993	4.016in./102mmX4.724in./120mm	45
218 CID (3.6L) T125		3.250in./82.6mmX4.375in./111.1mm	35	359 CID (5.9L) ETB Cummins	1990-1998	4.016in./102mmX4.724in./120mm	45
218 CID (3.6L) T128		3.250in./82.6mmX4.375in./111.1mm	35	Turbocharged/Intercooled Diesel			
225 CID (3.7L) H225	1961-1987	3.400in./86.4mmX4.125in./104.8mm	36	359 CID (5.9L) ETC 24 Valves Cummins	1998-2002	4.016in./102mmX4.724in./120mm	46
225 CID (3.7L) HA225	1961-1987	3.400in./86.4mmX4.125in./104.8mm	36	Turbocharged/Intercooled Diesel			
225 CID (3.7L) HB225	1961-1987	3.400in./86.4mmX4.125in./104.8mm	36	359 CID (5.9L) ETH 24 Valves Cummins	2001-2002	4.016in./102mmX4.724in./120mm	46
225 CID (3.7L) HC225	1961-1987	3.400in./86.4mmX4.125in./104.8mm	36	Turbocharged/Intercooled Diesel			
225 CID (3.7L) OHV	1960-1987	3.400in./86.4mmX4.125in./104.8mm	36	241 CID (3.9L) Hemispherical	1954	3.438in./87.3mmX3.250in./82.6mm	47
226 CID/3701CC (3.7L) EKG SOHC 12 Valve	2002-2005	3.661in./93mmX3.575in./90.8mm	37	241 CID (3.9L) Ind 18		3.438in./87.3mmX3.250in./82.6mm	47
230 CID (3.8L)	1991-2005	3.780in./96mmX3.425in./87mm	30	241 CID (3.9L) Ind 18A		3.438in./87.3mmX3.250in./82.6mm	47
230 CID (3.8L) HT931	1942-1960	3.250in./82.6mmX4.625in./117.5mm	35	259 CID (4.2L) Dodge	1955-1956	3.563in./90.5mmX3.250in./82.6mm	47
				259 CID (4.2L) Ind 52		3.563in./90.5mmX3.250in./82.6mm	47
				270 CID (4.4L) Hemispherical	1955	3.625in./92.1mmX3.250in./82.6mm	47

CHRYSLER (Cont.)

ENGINE DATA (Cont.)

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
8 CYL (Cont.)				8 CYL (Cont.)			
270 CID (4.4L) OHV	1955-1956	3.625in./92.1mmX3.250in./82.6mm	47	354 CID (5.8L) OHV	1956-1958	3.938in./100mmX3.625in./92.1mm	51
270 CID (4.4L) OHV	1955-1956	3.625in./92.1mmX3.250in./82.6mm	47	360 CID (5.9L)	1971-2003	4.000in./101.6mmX3.578in./90.8mm	61
Dodge				360 CID (5.9L) LPG	1971-1993	4.000in./101.6mmX3.578in./90.8mm	61
273 CID (4.5L) OHV	1964-1969	3.625in./92.1mmX3.313in./84.2mm	48	361 CID (5.9L) H361		4.125in./104.8mmX3.375in./85.7mm	60
277 CID (4.5L) OHV	1956-1957	3.750in./95.3mmX3.125in./79.4mm	48	361 CID (5.9L) HB361		4.125in./104.8mmX3.375in./85.7mm	60
287 CID (4.7L) EVD	2004-2005	3.661in./93mmX3.406in./86.5mm	49	361 CID (5.9L) HC361		4.125in./104.8mmX3.375in./85.7mm	60
SOHC Flex				361 CID (5.9L) HT361		4.125in./104.8mmX3.375in./85.7mm	60
287 CID (4.7L) SOHC	2000-2005	3.661in./93mmX3.406in./86.5mm	49	361 CID (5.9L) OHV	1958-1977	4.125in./104.8mmX3.375in./85.7mm	60
287 CID (4.7L) SOHC	2005	3.661in./93mmX3.406in./86.5mm	50	383 CID (6.3L) LPG	1959-1971	4.250in./108mmX3.375in./85.7mm	60
High Output				383 CID (6.3L) H383		4.250in./108mmX3.375in./85.7mm	60
301 CID (4.9L)	1955	3.625in./92.1mmX3.625in./92.1mm	51	383 CID (6.3L) HA383		4.250in./108mmX3.375in./85.7mm	60
301 CID (4.9L)	1956-1957	3.910in./99.3mmX3.125in./79.4mm	48	383 CID (6.3L) HB383		4.250in./108mmX3.375in./85.7mm	60
303 CID (5.0L) OHV	1956	3.813in./96.9mmX3.313in./84.2mm	48	383 CID (6.3L) OHV	1959-1960	4.031in./102.4mmX3.750in./95.3mm	62
313 CID (5.1L) Dodge	1958-1965	3.875in./98.4mmX3.313in./84.2mm	52	383 CID (6.3L) OHV	1959-1971	4.250in./108mmX3.375in./85.7mm	60
315 CID (5.2L)	1956	3.625in./92.1mmX3.800in./96.5mm	53	392 CID (6.4L)	1957-1958	4.000in./101.6mmX3.906in./99.2mm	63
Hemispherical				Hemispherical			
318 CID (5.2L)	1957-2003	3.910in./99.3mmX3.313in./84.2mm	54	400 CID (6.6L) H400		4.342in./110.3mmX3.375in./85.7mm	60
318 CID (5.2L) CNG	1992-2003	3.910in./99.3mmX3.313in./84.2mm	55	400 CID (6.6L) OHV	1972-1980	4.342in./110.3mmX3.375in./85.7mm	60
318 CID (5.2L) H318		3.910in./99.3mmX3.313in./84.2mm	54	413 CID (6.8L) H413		4.188in./106.4mmX3.750in./95.3mm	64
318 CID (5.2L) HA318		3.910in./99.3mmX3.313in./84.2mm	54	413 CID (6.8L) H413 LPG		4.188in./106.4mmX3.750in./95.3mm	64
318 CID (5.2L) HB318		3.910in./99.3mmX3.313in./84.2mm	54	413 CID (6.8L) HB413		4.188in./106.4mmX3.750in./95.3mm	64
318 CID (5.2L) HC318		3.910in./99.3mmX3.313in./84.2mm	54	413 CID (6.8L) HB413		4.188in./106.4mmX3.750in./95.3mm	64
318 CID (5.2L) HT318		3.910in./99.3mmX3.313in./84.2mm	54	413 CID (6.8L) HC413		4.188in./106.4mmX3.750in./95.3mm	64
318 CID (5.2L) LH318		3.910in./99.3mmX3.313in./84.2mm	54	413 CID (6.8L) HT413		4.188in./106.4mmX3.750in./95.3mm	64
318 CID (5.2L) LT318		3.910in./99.3mmX3.313in./84.2mm	54	413 CID (6.8L) OHV	1959-1977	4.188in./106.4mmX3.750in./95.3mm	64
324 CID (5.3L) Ind 12		3.250in./82.6mmX4.875in./123.8mm	56	426 CID (7.0L)	1964-1971	4.250in./108mmX3.750in./95.3mm	65
324 CID (5.3L) Ind 9		3.250in./82.6mmX4.875in./123.8mm	56	Hemispherical			
324 CID (5.3L) L-Head	1939-1950	3.250in./82.6mmX4.875in./123.8mm	57	426 CID (7.0L)	1966-1971	4.250in./108mmX3.750in./95.3mm	65
325 CID (5.3L)	1957-1958	3.688in./93.7mmX3.800in./96.5mm	53	Hemispherical LPG			
Hemispherical				426 CID (7.0L) Wedge	1963-1965	4.250in./108mmX3.750in./95.3mm	62
326 CID (5.3L) OHV	1959	3.953in./100.4mmX3.313in./84.2mm	48	440 CID (7.2L) H440		4.320in./109.7mmX3.750in./95.3mm	64
331 CID (5.4L)	1951-1956	3.813in./96.9mmX3.625in./92.1mm	51	440 CID (7.2L) OHV	1966-1980	4.320in./109.7mmX3.750in./95.3mm	64
Hemispherical				10 CYL			
331 CID (5.4L) Ind 20		3.813in./96.9mmX3.625in./92.1mm	51	488 CID (8.0L) Aluminum	1994-2002	4.000in./101.6mmX3.578in./90.8mm	66
331 CID (5.4L) Ind 24		3.813in./96.9mmX3.625in./92.1mm	51	Block			
331 CID (5.4L) Ind 24A		3.813in./96.9mmX3.625in./92.1mm	51	488 CID (8.0L) Iron Block	1994-2003	4.000in./101.6mmX3.578in./90.8mm	67
331 CID (5.4L) OHV	1956	3.813in./96.9mmX3.625in./92.1mm	51	Dodge			
340 CID (5.6L) OHV	1968-1973	4.040in./102.6mmX3.313in./84.2mm	58				
345 CID (5.7L) EZA Hemi	2003-2005	3.917in./99.5mmX3.578in./90.8mm	59				
345 CID (5.7L) EZB Hemi	2005	3.917in./99.5mmX3.578in./90.8mm	59				
350 CID (5.7L) OHV	1958	4.063in./103.2mmX3.375in./85.7mm	60				
354 CID (5.8L)	1956-1958	3.938in./100mmX3.625in./92.1mm	51				
Hemispherical							

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
1 Ton	218 CID (3.6L) L-Head	1940-1941	33	300B	354 CID (5.8L) Hemispherical	1956	51
1 Ton	230 CID (3.8L) L-Head Dodge	1942-1956	38	300C	345 CID (5.7L) EZB Hemi	2005	59
1 Ton	241 CID (3.9L) Hemispherical	1954	47	300C	392 CID (6.4L) Hemispherical	1957	63
1 Ton	259 CID (4.2L) Dodge	1955-1956	47	300D	392 CID (6.4L) Hemispherical	1958	63
1/2 Ton	218 CID (3.6L) L-Head	1942-1943	33	300E	413 CID (6.8L) OHV	1959	64
1/2 Ton	230 CID (3.8L) L-Head Dodge	1955-1956	38	300F	413 CID (6.8L) OHV	1960	64
1/2 Ton	241 CID (3.9L) Hemispherical	1954	47	300G	413 CID (6.8L) OHV	1961	64
1/2 Ton	259 CID (4.2L) Dodge	1955-1956	47	300H	413 CID (6.8L) OHV	1962	64
3/4 Ton	218 CID (3.6L) L-Head	1940-1954	33	300J	413 CID (6.8L) OHV	1963	64
3/4 Ton	230 CID (3.8L) L-Head Dodge	1948-1956	38	300K	413 CID (6.8L) OHV	1964	64
3/4 Ton	259 CID (4.2L) Dodge	1955-1956	47	300L	413 CID (6.8L) OHV	1965	64
5th Avenue	225 CID (3.7L) OHV	1983	36	300M	215 CID (3.5L) SOHC	1999-2004	31
5th Avenue	318 CID (5.2L)	1983-1989	54	330	225 CID (3.7L) OHV	1963-1964	36
024	105 CID (1.7L) SOHC	1981	6	330	318 CID (5.2L)	1963-1964	54
	Volkswagen			330	383 CID (6.3L) OHV	1963-1964	60
024	135 CID (2.2L) SOHC	1981	14	330	426 CID (7.0L) Wedge	1963-1964	62
300	215 CID (3.5L) SOHC	2005	31	330	426 CID (7.0L) Hemispherical	1964	65
300	331 CID (5.4L) Hemispherical	1955	51	400	135 CID (2.2L) SOHC	1982	14
300	383 CID (6.3L) OHV	1963-1965	60	400	156 CID (2.6L) SOHC "F"	1982	12
300	413 CID (6.8L) OHV	1962-1965	64		Mitsubishi		
300	440 CID (7.2L) OHV	1966-1971	64	440	225 CID (3.7L) OHV	1963-1964	36

CHRYSLER (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
440	318 CID (5.2L)	1963-1964	54		361 CID (5.9L) HB361		60
440	383 CID (6.3L) OHV	1963-1964	60		361 CID (5.9L) HC361		60
440	426 CID (7.0L) Wedge	1963-1964	62		361 CID (5.9L) HT361		60
440	426 CID (7.0L) Hemispherical	1964	65		383 CID (6.3L) H383		60
600	135 CID (2.2L) SOHC	1983-1988	14		383 CID (6.3L) HA383		60
600	135 CID (2.2L) SOHC	1984-1988	14		383 CID (6.3L) HB383		60
600	153 CID (2.5L) SOHC	1986-1988	21		400 CID (6.6L) H400	0	60
600	156 CID (2.6L) SOHC "F"	1983-1985	12		413 CID (6.8L) H413		64
	Mitsubishi				413 CID (6.8L) H413		64
800	426 CID (7.0L) Wedge	1964	62		413 CID (6.8L) HB413		64
800	426 CID (7.0L) Hemispherical	1964	65		413 CID (6.8L) HB413		64
880	361 CID (5.9L) OHV	1962-1964	60		413 CID (6.8L) HC413		64
880	383 CID (6.3L) OHV	1962-1965	60		413 CID (6.8L) HT413		64
880	413 CID (6.8L) OHV	1965	64		440 CID (7.2L) H440		64
880	426 CID (7.0L) Wedge	1964-1965	62		218 CID (3.6L) L-Head	1938-1954	34
880	426 CID (7.0L) Hemispherical	1964	65		(Canadian)		
2000 GTX	122 CID (2.0L) SOHC "A"	1989-1992	11		360 CID (5.9L)	1971-1980	61
	Mitsubishi				383 CID (6.3L)	1959-1971	60
2000 GTX	122 CID (2.0L) 4G63 DOHC	1989-1992	9		426 CID (7.0L) Hemispherical	1966-1971	65
	Mitsubishi				153 CID (2.5L) SOHC	1992-1995	21
	218 CID (3.6L) T112		35		313 CID (5.1L) Dodge	1957-1965	52
	218 CID (3.6L) T125		35		360 CID (5.9L)	1971-1993	61
	218 CID (3.6L) T128		35		383 CID (6.3L)	1967-1971	60
	218 CID (3.6L) 5/5A/6/6A/30/31	1942-1954	32	A100	170 CID (2.8L) OHV	1963-1969	26
	225 CID (3.7L) H225	1961-1987	36	A100	198 CID (3.2L) OHV	1970	26
	225 CID (3.7L) HA225	1961-1987	36	A100	225 CID (3.7L) OHV	1963-1969	36
	225 CID (3.7L) HB225	1961-1987	36	A100	273 CID (4.5L) OHV	1965-1968	48
	225 CID (3.7L) HC225	1961-1987	36	A100	318 CID (5.2L)	1967-1969	54
	230 CID (3.8L) T116		35	Acclaim	153 CID (2.5L) SOHC	1989-1995	21
	230 CID (3.8L) HT931	1942-1960	35	Acclaim	153 CID (2.5L) SOHC	1989-1991	21
	230 CID (3.8L) Ind 30	1942-1960	35	Acclaim	153 CID (2.5L) SOHC	1993-1994	21
	230 CID (3.8L) Ind 31	1942-1960	35	Acclaim	181 CID (3.0L) SOHC Mitsubishi	1989-1995	27
	230 CID (3.8L) Ind 6	1942-1960	35	Adventurer	383 CID (6.3L) OHV	1959	60
	230 CID (3.8L) Ind 6A	1942-1960	35	Aries	135 CID (2.2L) SOHC	1981-1989	14
	230 CID (3.8L) Ind 931	1942-1960	35	Aries	153 CID (2.5L) SOHC	1986-1989	21
	237 CID (3.9L) 236		39	Aries	156 CID (2.6L) SOHC "F"	1981-1985	12
	237 CID (3.9L) Ind 7		39		Mitsubishi		
	237 CID (3.9L) Ind 7A		39	Arrow	98 CID (1.6L) SOHC K & Z	1976-1980	5
	237 CID (3.9L) T118		39		Mitsubishi		
	237 CID (3.9L) T120		39	Arrow	122 CID/1997CC (2.0L) SOHC	1976-1982	12
	241 CID (3.9L) Ind 18		47		"U" Mitsubishi		
	241 CID (3.9L) Ind 18A		47	Arrow	156 CID (2.6L) SOHC "F"	1979-1980	12
	251 CID (4.1L) 251		39		Mitsubishi		
	251 CID (4.1L) 8-213		39	Arrow	156 CID (2.6L) SOHC "W"	1979-1982	22
	251 CID (4.1L) 8-231		39		Mitsubishi		
	251 CID (4.1L) 908A	0	39	Aspen	225 CID (3.7L) OHV	1976-1980	36
	251 CID (4.1L) Ind 8		39	Aspen	318 CID (5.2L)	1976-1978	54
	251 CID (4.1L) Ind 8A		39	Aspen	360 CID (5.9L)	1976-1980	61
	251 CID (4.1L) T42		39	Avenger	122 CID (2.0L) DOHC	1995-1999	10
	259 CID (4.2L) Ind 52		47	Avenger	2497CC (2.5L) EEB Mitsubishi	1995-2000	23
	265 CID (4.3L) 265		39	B1J Series	251 CID (4.1L) L-Head Dodge	1948-1949	42
	265 CID (4.3L) H908A		39	B1K Series	251 CID (4.1L) L-Head Dodge	1948-1949	42
	265 CID (4.3L) Ind 16		39	B2J Series	251 CID (4.1L) L-Head Dodge	1950	42
	265 CID (4.3L) Ind 16A		39	B2K Series	251 CID (4.1L) L-Head Dodge	1950	42
	265 CID (4.3L) Ind 32		39	B3J Series	251 CID (4.1L) L-Head Dodge	1951-1952	42
	265 CID (4.3L) Ind 33		39	B3K Series	251 CID (4.1L) L-Head Dodge	1951-1952	42
	318 CID (5.2L) H318	0	54	B4F Series	251 CID (4.1L) L-Head Dodge	1953	42
	318 CID (5.2L) HA318		54	B4G Series	251 CID (4.1L) L-Head Dodge	1953	42
	318 CID (5.2L) HB318	0	54	B4H Series	251 CID (4.1L) L-Head Dodge	1953	42
	318 CID (5.2L) HC318	0	54	B4H Series	265 CID (4.3L) L-Head Dodge	1953	43
	318 CID (5.2L) HT318	0	54	Barracuda	225 CID (3.7L) OHV	1967-1972	36
	318 CID (5.2L) LH318	0	54	Barracuda	273 CID (4.5L) OHV	1967	48
	318 CID (5.2L) LT318	0	54	Barracuda	318 CID (5.2L)	1968-1974	54
	324 CID (5.3L) Ind 12		56	Barracuda	340 CID (5.6L) OHV	1968-1973	58
	324 CID (5.3L) Ind 9		56	Barracuda	360 CID (5.9L)	1974	61
	331 CID (5.4L) Ind 20		51	Barracuda	383 CID (6.3L) OHV	1967-1971	60
	331 CID (5.4L) Ind 24		51	Barracuda	426 CID (7.0L) Hemispherical	1970-1971	65
	331 CID (5.4L) Ind 24A		51	Barracuda	440 CID (7.2L) OHV	1970-1971	64
	361 CID (5.9L) H361		60	Beauty Winner	218 CID (3.6L) L-Head	1936	33

CHRYSLER (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Belvedere	218 CID (3.6L) L-Head	1954	33	C900	413 CID (6.8L) OHV	1960-1968	64
Belvedere	225 CID (3.7L) OHV	1960-1969	36	C1000	413 CID (6.8L) OHV	1960-1973	64
Belvedere	230 CID (3.8L) L-Head	1954-1958	38	CT700	361 CID (5.9L) OHV	1960-1969	60
Belvedere	270 CID (4.4L) OHV	1956	47	CT700	413 CID (6.8L) OHV	1963-1969	64
Belvedere	273 CID (4.5L) OHV	1967	48	CT800	361 CID (5.9L) OHV	1960-1971	60
Belvedere	277 CID (4.5L) OHV	1956-1957	48	CT800	413 CID (6.8L) OHV	1960-1975	64
Belvedere	301 CID (4.9L)	1956-1957	48	CT900	413 CID (6.8L) OHV	1960-1973	64
Belvedere	303 CID (5.0L) OHV	1956	48	Cambridge	218 CID (3.6L) L-Head	1951-1953	33
Belvedere	318 CID (5.2L)	1957-1969	54	Caravan	135 CID (2.2L) SOHC	1984-1987	14
Belvedere	350 CID (5.7L) OHV	1958	60	Caravan	148 CID/2429CC (2.4L) DOHC	1996-2005	17
Belvedere	361 CID (5.9L) OHV	1959-1964	60	Caravan	153 CID (2.5L) SOHC	1987-1995	21
Belvedere	383 CID (6.3L) OHV	1960-1969	60	Caravan	153 CID (2.5L) SOHC	1989-1990	21
Belvedere	413 CID (6.8L) OHV	1961	64	Caravan	156 CID (2.6L) SOHC "F"	1984-1987	12
Belvedere	426 CID (7.0L) Wedge	1963-1964	62		Mitsubishi		
Belvedere	426 CID (7.0L) Hemispherical	1964	65	Caravan	181 CID (3.0L) SOHC Mitsubishi	1987-2000	27
Belvedere	440 CID (7.2L) OHV	1969	64	Caravan	201 CID (3.3L)	1990-2005	30
Belvedere I	225 CID (3.7L) OHV	1965-1967	36	Caravan	201 CID (3.3L)	1994-1996	30
Belvedere I	273 CID (4.5L) OHV	1965-1967	48	Caravan	201 CID (3.3L) EGM	1998-2003	30
Belvedere I	318 CID (5.2L)	1965	54	Caravan	230 CID (3.8L)	1994-2001	30
Belvedere I	361 CID (5.9L) OHV	1965	60	Caravelle	135 CID (2.2L) SOHC	1985-1988	14
Belvedere I	383 CID (6.3L) OHV	1965-1967	60	Caravelle	135 CID (2.2L) SOHC	1985-1988	14
Belvedere I	426 CID (7.0L) Wedge	1965	62	Caravelle	153 CID (2.5L) SOHC	1986-1988	21
Belvedere I	426 CID (7.0L) Hemispherical	1965	65	Caravelle	156 CID (2.6L) SOHC "F"	1985	12
Belvedere II	225 CID (3.7L) OHV	1965	36		Mitsubishi		
Belvedere II	273 CID (4.5L) OHV	1965	48	Caravelle	360 CID (5.9L)	1978-1979	61
Belvedere II	318 CID (5.2L)	1965	54	Challenger	98 CID (1.6L) SOHC K & Z	1978-1979	5
Belvedere II	361 CID (5.9L) OHV	1965	60		Mitsubishi		
Belvedere II	383 CID (6.3L) OHV	1965	60	Challenger	156 CID (2.6L) SOHC "F"	1978-1983	12
Belvedere II	426 CID (7.0L) Wedge	1965	62		Mitsubishi		
Belvedere II	426 CID (7.0L) Hemispherical	1965	65	Challenger	198 CID (3.2L) OHV	1970-1971	26
Belvedere Satellite	273 CID (4.5L) OHV	1965	48	Challenger	225 CID (3.7L) OHV	1970-1971	36
Belvedere Satellite	318 CID (5.2L)	1965	54	Challenger	318 CID (5.2L)	1970-1971	54
Belvedere Satellite	361 CID (5.9L) OHV	1965	60	Challenger	340 CID (5.6L) OHV	1968-1973	58
Belvedere Satellite	383 CID (6.3L) OHV	1965	60	Challenger	360 CID (5.9L)	1974	61
Belvedere Satellite	426 CID (7.0L) Wedge	1965	62	Challenger	383 CID (6.3L) OHV	1970-1971	60
Belvedere Satellite	426 CID (7.0L) Hemispherical	1966	65	Challenger	426 CID (7.0L) Hemispherical	1970-1971	65
Breeze	122 CID (2.0L) SOHC	1996-2000	10	Challenger	440 CID (7.2L) OHV	1970-1971	64
Breeze	148 CID/2429CC (2.4L) DOHC	1996-2000	17	Champ	86 CID (1.4L) SOHC "J"	1979-1982	1
Brougham	360 CID (5.9L)	1977	61		Mitsubishi		
Brougham	400 CID (6.6L) OHV	1977	60	Champ	98 CID (1.6L) SOHC K & Z	1979-1982	5
C1-R8 Series	331 CID (5.4L) Hemispherical	1954	51		Mitsubishi		
C1-T8 Series	331 CID (5.4L) Hemispherical	1954	51	Charger	97 CID (1.6L) OHV Peugeot	1983-1986	4
C1-V8 Series	331 CID (5.4L) Hemispherical	1954	51	Charger	105 CID (1.7L) SOHC	1983	6
C1G-6 Series	251 CID (4.1L) L-Head Dodge	1954	42		Volkswagen		
C1H-6	251 CID (4.1L) L-Head Dodge	1954	42	Charger	135 CID (2.2L) SOHC	1983-1987	14
C1H-6	265 CID (4.3L) L-Head Dodge	1954	43	Charger	135 CID (2.2L) SOHC	1985-1987	14
C1J-6 Series	265 CID (4.3L) L-Head Dodge	1954	43	Charger	225 CID (3.7L) OHV	1969-1974	36
C1K-6 Series	265 CID (4.3L) L-Head Dodge	1954	43	Charger	273 CID (4.5L) OHV	1966	48
C3-R8 Series	331 CID (5.4L) Hemispherical	1955-1956	51	Charger	318 CID (5.2L)	1966-1974	54
C3-T8 Series	331 CID (5.4L) Hemispherical	1955-1956	51	Charger	340 CID (5.6L) OHV	1972-1973	58
C3-V8 Series	331 CID (5.4L) Hemispherical	1955-1956	51	Charger	360 CID (5.9L)	1974	61
C3G-6 Series	251 CID (4.1L) L-Head Dodge	1955-1956	42	Charger	361 CID (5.9L) OHV	1966	60
C3G-6 Series	265 CID (4.3L) L-Head Dodge	1955-1956	43	Charger	383 CID (6.3L) OHV	1966-1971	60
C3G-8 Series	259 CID (4.2L) Dodge	1955-1956	47	Charger	400 CID (6.6L) OHV	1972-1973	60
C3G-8 Series	270 CID (4.4L) OHV Dodge	1955-1956	47	Charger	426 CID (7.0L) Hemispherical	1966-1971	65
C3H-6 Series	251 CID (4.1L) L-Head Dodge	1955-1956	42	Charger	440 CID (7.2L) OHV	1967-1971	64
C3H-6 Series	265 CID (4.3L) L-Head Dodge	1955-1956	43	Cirrus	148 CID/2429CC (2.4L) DOHC	1995-2000	17
C3H-8 Series	259 CID (4.2L) Dodge	1955-1956	47	Cirrus	2497CC (2.5L) EEB Mitsubishi	1995-2000	23
C3H-8 Series	270 CID (4.4L) OHV Dodge	1955-1956	47	Colt	86 CID (1.4L) SOHC "J"	1979-1983	1
C3J-6 Series	265 CID (4.3L) L-Head Dodge	1955-1956	43		Mitsubishi		
C3J-8 Series	270 CID (4.4L) OHV Dodge	1955-1956	47	Colt	92 CID (1.5L) SOHC Jet Valve	1985-1988	3
C3K-6 Series	265 CID (4.3L) L-Head Dodge	1955-1956	43		"Q" Carbureted Mitsubishi		
C3K-8 Series	270 CID (4.4L) OHV Dodge	1955-1956	47	Colt	92 CID (1.5L) SOHC 8 Valve	1987-1990	3
C500	318 CID (5.2L)	1960-1971	54		"Q" Fuel Injected Mitsubishi		
C500	361 CID (5.9L) OHV	1961-1971	60	Colt	92 CID (1.5L) 12 Valve "Q"	1991-1994	2
C600	361 CID (5.9L) OHV	1961-1973	60		Mitsubishi		
C800	361 CID (5.9L) OHV	1963-1968	60	Colt	98 CID (1.6L) SOHC K & Z	1971-1983	5
C800	413 CID (6.8L) OHV	1960-1968	64		Mitsubishi		

CHRYSLER (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Colt	98 CID (1.6L) SOHC Mitsubishi	1984	5	Crown	413 CID (6.8L) OHV	1959-1965	64
Colt	98 CID (1.6L) SOHC K & Z Mitsubishi	1984-1988	5	Crown	440 CID (7.2L) OHV	1966-1970	64
Colt	98 CID (1.6L) DOHC Mitsubishi	1989	5	Crown Imperial	324 CID (5.3L) L-Head	1939-1942	57
Colt	98 CID (1.6L) DOHC Mitsubishi	1990	5	Crown Imperial	331 CID (5.4L) Hemispherical	1951-1953	51
Colt	107 CID (1.8L) 8 Valve (4G37) Mitsubishi	1989-1990	7	Crown Imperial	354 CID (5.8L) Hemispherical	1956	51
Colt	112 CID (1.8L) 16 Valve (4G93) Mitsubishi	1993-1994	8	Crown Imperial	392 CID (6.4L) Hemispherical	1957	63
Colt	122 CID/1997CC (2.0L) SOHC "U" Mitsubishi	1974-1981	12	Crown Imperial	413 CID (6.8L) OHV	1958-1961	64
Colt	156 CID (2.6L) SOHC "F" Mitsubishi	1978-1980	12	Custom	218 CID (3.6L) L-Head	1941-1942	33
Colt 100	92 CID (1.5L) SOHC Jet Valve "Q" Carbureted Mitsubishi	1989-1991	3	Custom	230 CID (3.8L) L-Head	1946-1948	38
Colt 100	92 CID (1.5L) 12 Valve "Q" Mitsubishi	1992	2	Custom	237 CID (3.9L) L-Head DeSoto	1942-1950	34
Colt 100	98 CID (1.6L) SOHC K & Z Mitsubishi	1989-1990	5	Custom	251 CID (4.1L) L-Head	1951-1952	34
Colt 200	92 CID (1.5L) SOHC 8 Valve "Q" Fuel Injected Mitsubishi	1989-1990	3	Custom	413 CID (6.8L) OHV	1959-1963	64
Colt 200	92 CID (1.5L) 12 Valve "Q" Mitsubishi	1991-1992	2	Custom Imperial	331 CID (5.4L) Hemispherical	1953	51
Colt 200	98 CID (1.6L) DOHC Mitsubishi	1989	5	Custom Royal	270 CID (4.4L) Hemispherical	1955	47
Colt 200	98 CID (1.6L) DOHC Mitsubishi	1989-1990	5	Custom Royal	270 CID (4.4L) OHV	1955	47
Colt Premier	92 CID (1.5L) SOHC Jet Valve "Q" Carbureted Mitsubishi	1985-1988	3	Custom Royal	315 CID (5.2L) Hemispherical	1956	53
Colt Premier	98 CID (1.6L) SOHC K & Z Mitsubishi	1985-1988	5	Custom Royal	325 CID (5.3L) Hemispherical	1957	53
Colt Vista	112 CID (1.8L) 16 Valve (4G93) Mitsubishi	1992	8	Custom Royal	361 CID (5.9L) OHV	1958	60
Colt Vista	122 CID (2.0L) SOHC "A" Mitsubishi	1984-1991	11	D3 Series	218 CID (3.6L) L-Head	1936	33
Colt Vista	144 CID (2.4L) 4G64 SOHC 8 Valve Mitsubishi	1992	9	D4 Series	218 CID (3.6L) L-Head	1936	33
Colt Vista	144 CID (2.4L) 4G64 SOHC 16 Valve Mitsubishi	1993-1994	16	D5 Series	218 CID (3.6L) L-Head	1937	33
Concord	218 CID (3.6L) L-Head	1951-1952	33	D8 Series	218 CID (3.6L) L-Head	1938	33
Concorde	167 CID/2736CC (2.7L) DOHC	1998-2004	24	D400	251 CID (4.1L) L-Head Dodge	1957-1962	42
Concorde	197 CID (3.2L) EGW SOHC	1998-2001	29	D500	251 CID (4.1L) L-Head Dodge	1957-1962	42
Concorde	201 CID (3.3L)	1993-1996	30	D500	265 CID (4.3L) L-Head Dodge	1957-1960	43
Concorde	201 CID (3.3L)	1994-1995	30	D500	318 CID (5.2L)	1969-1971	54
Concorde	215 CID (3.5L) SOHC	1993-2004	31	D500	354 CID (5.8L) Hemispherical	1957	51
Conquest	156 CID (2.6L) SOHC "F" Mitsubishi	1984-1987	22	D500	360 CID (5.9L)	1969-1971	61
Conquest	156 CID (2.6L) SOHC "F" Mitsubishi	1985-1989	22	D600	265 CID (4.3L) L-Head Dodge	1957-1959	43
Cordoba	225 CID (3.7L) OHV	1980-1983	36	D600	318 CID (5.2L)	1960-1971	54
Cordoba	318 CID (5.2L)	1975-1983	54	D600	360 CID (5.9L)	1971-1977	61
Cordoba	360 CID (5.9L)	1976-1979	61	D600	361 CID (5.9L) OHV	1960-1971	60
Cordoba	400 CID (6.6L) OHV	1975-1978	60	D700	361 CID (5.9L) OHV	1961-1971	60
Coronet	225 CID (3.7L) OHV	1965-1973	36	D700	413 CID (6.8L) OHV	1963-1971	64
Coronet	230 CID (3.8L) L-Head	1949-1959	38	D800	361 CID (5.9L) OHV	1963-1971	60
Coronet	270 CID (4.4L) OHV	1955-1956	47	D800	413 CID (6.8L) OHV	1963-1977	64
Coronet	273 CID (4.5L) OHV	1965-1968	48	DU Series	218 CID (3.6L) L-Head	1935	33
Coronet	315 CID (5.2L) Hemispherical	1956	53	Dakota	135 CID (2.2L) SOHC	1987-1988	14
Coronet	318 CID (5.2L)	1965-1976	54	Dakota	150 CID (2.5L) Jeep	1996-2002	19
Coronet	325 CID (5.3L) Hemispherical	1957-1958	53	Dakota	153 CID (2.5L) SOHC	1989-1995	21
Coronet	326 CID (5.3L) OHV	1959	48	Dakota	226 CID/3701CC (3.7L) EKG SOHC 12 Valve	2004-2005	37
Coronet	340 CID (5.6L) OHV	1973	58	Dakota	239 CID (3.9L) Dodge	1987-2003	40
Coronet	360 CID (5.9L)	1974-1976	61	Dakota	287 CID (4.7L) SOHC	2000-2005	49
Coronet	361 CID (5.9L) OHV	1965	60	Dakota	287 CID (4.7L) SOHC High Output	2005	50
Coronet	383 CID (6.3L) OHV	1959-1970	60	Dakota	318 CID (5.2L)	1989-1999	54
Coronet	400 CID (6.6L) OHV	1972-1976	60	Dakota	360 CID (5.9L)	1998-2003	61
Coronet	413 CID (6.8L) OHV	1965	64	Dart	170 CID (2.8L) OHV	1963-1969	26
Coronet	426 CID (7.0L) Wedge	1965	62	Dart	198 CID (3.2L) OHV	1970-1974	26
Coronet	426 CID (7.0L) Hemispherical	1965-1969	65	Dart	225 CID (3.7L) OHV	1960-1976	36
Coronet	440 CID (7.2L) OHV	1967-1976	64	Dart	273 CID (4.5L) OHV	1964-1969	48
Cranbrook	218 CID (3.6L) L-Head	1951-1953	33	Dart	318 CID (5.2L)	1960-1976	54
Crown	392 CID (6.4L) Hemispherical	1957-1958	63	Dart	340 CID (5.6L) OHV	1968-1972	58
				Dart	360 CID (5.9L)	1974	61
				Dart	361 CID (5.9L) OHV	1961	60
				Dart	383 CID (6.3L) OHV	1960-1969	60
				Dart	413 CID (6.8L) OHV	1961	64
				Daytona	135 CID (2.2L) SOHC	1984-1987	14
				Daytona	135 CID (2.2L) SOHC	1984-1990	14
				Daytona	135 CID (2.2L) DOHC	1992-1993	14
				Daytona	153 CID (2.5L) SOHC	1986-1993	21
				Daytona	153 CID (2.5L) SOHC	1989-1992	21
				Daytona	181 CID (3.0L) SOHC Mitsubishi	1990-1993	27
				DeSoto	361 CID (5.9L) OHV	1961	60
				Deluxe	218 CID (3.6L) L-Head	1934-1950	33
				Deluxe	230 CID (3.8L) L-Head	1946-1948	38
				Deluxe	237 CID (3.9L) L-Head DeSoto	1946-1950	34

CHRYSLER (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Deluxe	251 CID (4.1L) L-Head	1951-1952	34	Fury II	225 CID (3.7L) OHV	1965-1971	36
Diplomat	225 CID (3.7L) OHV	1978-1982	36	Fury II	318 CID (5.2L)	1965-1971	54
Diplomat	318 CID (5.2L)	1977-1989	54	Fury II	340 CID (5.6L) OHV	1971	58
Diplomat	360 CID (5.9L)	1978-1979	61	Fury II	360 CID (5.9L)	1971	61
Durango	226 CID/3701CC (3.7L) EKG SOHC 12 Valve	2004-2005	37	Fury II	361 CID (5.9L) OHV	1965	60
Durango	239 CID (3.9L) Dodge	1998-1999	40	Fury II	383 CID (6.3L) OHV	1965-1971	60
Durango	287 CID (4.7L) SOHC	2000-2005	49	Fury II	400 CID (6.6L) OHV	1972	60
Durango	318 CID (5.2L)	1998-2000	54	Fury II	426 CID (7.0L) Wedge	1965	62
Durango	345 CID (5.7L) EZA Hemi	2004-2005	59	Fury II	440 CID (7.2L) OHV	1966-1973	64
Durango	360 CID (5.9L)	1998-2003	61	Fury III	225 CID (3.7L) OHV	1965-1969	36
Duster	198 CID (3.2L) OHV	1970-1973	26	Fury III	318 CID (5.2L)	1965-1973	54
Duster	225 CID (3.7L) OHV	1970-1976	36	Fury III	340 CID (5.6L) OHV	1971	58
Duster	318 CID (5.2L)	1970-1976	54	Fury III	360 CID (5.9L)	1971-1974	61
Duster	340 CID (5.6L) OHV	1970-1973	58	Fury III	361 CID (5.9L) OHV	1965	60
Duster	360 CID (5.9L)	1974-1976	61	Fury III	383 CID (6.3L) OHV	1965-1969	60
Dynasty	153 CID (2.5L) SOHC	1988-1993	21	Fury III	400 CID (6.6L) OHV	1972-1973	60
Dynasty	181 CID (3.0L) SOHC Mitsubishi	1988-1993	27	Fury III	426 CID (7.0L) Wedge	1965	62
Dynasty	201 CID (3.3L)	1990-1993	30	Fury III	440 CID (7.2L) OHV	1966-1974	64
E-Class	135 CID (2.2L) SOHC	1983-1984	14	GTX	426 CID (7.0L) Hemispherical	1968-1971	65
E-Class	135 CID (2.2L) SOHC	1984	14	GTX	440 CID (7.2L) OHV	1967-1971	64
E-Class	156 CID (2.6L) SOHC "F" Mitsubishi	1983-1984	12	Gran Fury	225 CID (3.7L) OHV	1980-1982	36
Executive Limousine	135 CID (2.2L) SOHC	1986	14	Gran Fury	318 CID (5.2L)	1973-1989	54
Executive Limousine	156 CID (2.6L) SOHC "F" Mitsubishi	1983-1985	12	Gran Fury	360 CID (5.9L)	1973-1976	61
Executive Sedan	156 CID (2.6L) SOHC "F" Mitsubishi	1983-1984	12	Gran Fury	400 CID (6.6L) OHV	1973-1978	60
Firedome	361 CID (5.9L) OHV	1958	60	Gran Fury	440 CID (7.2L) OHV	1973-1977	64
Firedome	383 CID (6.3L) OHV	1959	60	Grand Caravan	135 CID (2.2L) SOHC	1987	14
Fireflite	361 CID (5.9L) OHV	1958	60	Grand Caravan	148 CID/2429CC (2.4L) DOHC	1996-1997	17
Fireflite	383 CID (6.3L) OHV	1959	60	Grand Caravan	153 CID (2.5L) SOHC	1987-1989	21
Firesweep	325 CID (5.3L) Hemispherical	1957	53	Grand Caravan	153 CID (2.5L) SOHC	1989-1990	21
Firesweep	350 CID (5.7L) OHV	1958	60	Grand Caravan	156 CID (2.6L) SOHC "F" Mitsubishi	1987	12
Firesweep	361 CID (5.9L) OHV	1959	60	Grand Caravan	181 CID (3.0L) SOHC Mitsubishi	1987-2000	27
Fury	225 CID (3.7L) OHV	1960-1978	36	Grand Caravan	201 CID (3.3L)	1990-2005	30
Fury	318 CID (5.2L)	1959-1978	54	Grand Caravan	201 CID (3.3L)	1994-1996	30
Fury	360 CID (5.9L)	1975-1978	61	Grand Caravan	201 CID (3.3L) EGM	1998-2003	30
Fury	361 CID (5.9L) OHV	1959	60	Grand Caravan	230 CID (3.8L)	1994-2005	30
Fury	383 CID (6.3L) OHV	1960-1961	60	Grand Voyager	135 CID (2.2L) SOHC	1987	14
Fury	400 CID (6.6L) OHV	1975-1978	60	Grand Voyager	148 CID/2429CC (2.4L) DOHC	1996-1997	17
Fury	413 CID (6.8L) OHV	1961	64	Grand Voyager	153 CID (2.5L) SOHC	1987-1989	21
Fury	426 CID (7.0L) Wedge	1963	62	Grand Voyager	153 CID (2.5L) SOHC	1989	21
Fury	426 CID (7.0L) Hemispherical	1964	65	Grand Voyager	181 CID (3.0L) SOHC Mitsubishi	1987-2000	27
Fury	440 CID (7.2L) OHV	1975-1978	64	Grand Voyager	201 CID (3.3L)	1990-2000	30
Fury Custom	225 CID (3.7L) OHV	1971	36	Grand Voyager	201 CID (3.3L)	1994-1996	30
Fury Custom	318 CID (5.2L)	1971	54	Grand Voyager	201 CID (3.3L) EGM	1998-2000	30
Fury Custom	340 CID (5.6L) OHV	1971	58	Grand Voyager	230 CID (3.8L)	1994-1999	30
Fury Custom	360 CID (5.9L)	1971	61	Horizon	97 CID (1.6L) OHV Peugeot	1983-1986	4
Fury Custom	383 CID (6.3L) OHV	1971	60	Horizon	105 CID (1.7L) SOHC Volkswagen	1978-1982	6
Fury Custom	440 CID (7.2L) OHV	1971	64	Horizon	135 CID (2.2L) SOHC	1981-1990	14
Fury Grand Coupe	318 CID (5.2L)	1970	54	Imperial	201 CID (3.3L)	1990-1991	30
Fury Grand Coupe	360 CID (5.9L)	1972	61	Imperial	230 CID (3.8L)	1991-1993	30
Fury Grand Coupe	383 CID (6.3L) OHV	1970	60	Imperial	318 CID (5.2L)	1981-1982	54
Fury Grand Coupe	400 CID (6.6L) OHV	1972	60	Imperial	324 CID (5.3L) L-Head	1939-1942	57
Fury Grand Coupe	440 CID (7.2L) OHV	1970	64	Imperial	331 CID (5.4L) Hemispherical	1951-1952	51
Fury Grand Sedan	318 CID (5.2L)	1972	54	Imperial	354 CID (5.8L) Hemispherical	1956	51
Fury Grand Sedan	360 CID (5.9L)	1972	61	Imperial	392 CID (6.4L) Hemispherical	1957-1958	63
Fury Grand Sedan	400 CID (6.6L) OHV	1972	60	Imperial	440 CID (7.2L) OHV	1967	64
Fury I	225 CID (3.7L) OHV	1965-1971	36	Intrepid	167 CID/2736CC (2.7L) DOHC	1998-2004	24
Fury I	273 CID (4.5L) OHV	1967	48	Intrepid	197 CID (3.2L) EGW SOHC	1998-2001	29
Fury I	318 CID (5.2L)	1965-1973	54	Intrepid	201 CID (3.3L)	1993-1997	30
Fury I	340 CID (5.6L) OHV	1971	58	Intrepid	201 CID (3.3L)	1994-1995	30
Fury I	360 CID (5.9L)	1971-1974	61	Intrepid	215 CID (3.5L) SOHC	1993-2004	31
Fury I	361 CID (5.9L) OHV	1965	60	KINGSWAY	218 CID (3.6L) L-Head	1940-1942	33
Fury I	383 CID (6.3L) OHV	1965-1971	60	L600	225 CID (3.7L) OHV	1966-1970	36
Fury I	400 CID (6.6L) OHV	1972-1973	60	L600	318 CID (5.2L)	1966-1970	54
Fury I	426 CID (7.0L) Wedge	1965	62	L600	354 CID (5.8L) 6-354 Perkins Diesel	1966-1970	44
Fury I	440 CID (7.2L) OHV	1966-1974	64	L600	361 CID (5.9L) OHV	1966-1970	60

CHRYSLER (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
L700	361 CID (5.9L) OHV	1966-1970	60	New Yorker	181 CID (3.0L) SOHC Mitsubishi	1988-1990	27
LHS	215 CID (3.5L) SOHC	1994-2001	31	New Yorker	201 CID (3.3L)	1990-1993	30
Lancer	135 CID (2.2L) SOHC	1985-1989	14	New Yorker	215 CID (3.5L) SOHC	1994-1996	31
Lancer	135 CID (2.2L) SOHC	1985-1988	14	New Yorker	225 CID (3.7L) OHV	1982	36
Lancer	153 CID (2.5L) SOHC	1986-1989	21	New Yorker	230 CID (3.8L)	1991-1993	30
Lancer	153 CID (2.5L) SOHC	1989	21	New Yorker	318 CID (5.2L)	1979-1982	54
Lancer	170 CID (2.8L) OHV	1961-1962	26	New Yorker	324 CID (5.3L) L-Head	1939-1950	57
Lancer	225 CID (3.7L) OHV	1961-1962	36	New Yorker	331 CID (5.4L) Hemispherical	1951-1955	51
Laser	107 CID (1.8L) 8 Valve (4G37)	1989-1994	7	New Yorker	354 CID (5.8L) Hemispherical	1956	51
Laser	Mitsubishi			New Yorker	360 CID (5.9L)	1977-1980	61
Laser	122 CID (2.0L) 4G63 DOHC	1990-1994	9	New Yorker	392 CID (6.4L) Hemispherical	1957-1958	63
Laser	Mitsubishi			New Yorker	400 CID (6.6L) OHV	1975-1978	60
Laser	122 CID (2.0L) 4G63T DOHC	1990-1994	9	New Yorker	413 CID (6.8L) OHV	1959-1965	64
Laser	TURBO Mitsubishi			New Yorker	440 CID (7.2L) OHV	1966-1978	64
Laser	135 CID (2.2L) SOHC	1984-1986	14	Newport	225 CID (3.7L) OHV	1979	36
Laser	135 CID (2.2L) SOHC	1984-1986	14	Newport	318 CID (5.2L)	1979-1980	54
Laser	153 CID (2.5L) SOHC	1986	21	Newport	360 CID (5.9L)	1971-1980	61
Lebaron	135 CID (2.2L) SOHC	1982-1989	14	Newport	361 CID (5.9L) OHV	1961-1964	60
Lebaron	135 CID (2.2L) SOHC	1985-1990	14	Newport	383 CID (6.3L) OHV	1965-1971	60
Lebaron	153 CID (2.5L) SOHC	1986-1995	21	Newport	400 CID (6.6L) OHV	1972-1978	60
Lebaron	153 CID (2.5L) SOHC	1989-1992	21	Newport	440 CID (7.2L) OHV	1966-1978	64
Lebaron	156 CID (2.6L) SOHC "F"	1982-1985	12	Omni	97 CID (1.6L) OHV Peugeot	1983-1986	4
Lebaron	Mitsubishi			Omni	105 CID (1.7L) SOHC	1978-1982	6
Lebaron	181 CID (3.0L) SOHC Mitsubishi	1990-1995	27	Volkswagen			
Lebaron	225 CID (3.7L) OHV	1978-1980	36	Omni	135 CID (2.2L) SOHC	1981-1990	14
Lebaron	318 CID (5.2L)	1977-1981	54	Omni	135 CID (2.2L) SOHC	1985-1986	14
Lebaron	360 CID (5.9L)	1978-1979	61	P100	225 CID (3.7L) OHV	1962-1965	36
Lebaron	392 CID (6.4L) Hemispherical	1957-1958	63	P200	170 CID (2.8L) OHV	1961	26
Lebaron	413 CID (6.8L) OHV	1959-1963	64	P200	225 CID (3.7L) OHV	1961-1974	36
Lebaron	440 CID (7.2L) OHV	1966-1975	64	P300	170 CID (2.8L) OHV	1961	26
M300	318 CID (5.2L)	1963-1972	54	P300	225 CID (3.7L) OHV	1961-1977	36
M300	360 CID (5.9L)	1976-1980	61	P300	230 CID (3.8L) L-Head Dodge	1957-1960	38
M300	440 CID (7.2L) OHV	1975-1980	64	P300	318 CID (5.2L)	1959-1960	54
MBH300	318 CID (5.2L)	1974	54	P400	225 CID (3.7L) OHV	1961-1974	36
MBH300	360 CID (5.9L)	1974	61	P400	230 CID (3.8L) L-Head Dodge	1957-1960	38
MBH300	440 CID (7.2L) OHV	1974	64	P400	251 CID (4.1L) L-Head Dodge	1961-1962	42
MBH400	360 CID (5.9L)	1974-1978	61	P400	318 CID (5.2L)	1959-1960	54
MBH400	440 CID (7.2L) OHV	1974-1978	64	PT Cruiser	148 CID/2429CC (2.4L) DOHC	2001-2005	17
Magnum	318 CID (5.2L)	1978	54	PT Cruiser	148 CID/2429CC (2.4L) DOHC	2003-2005	18
Magnum	345 CID (5.7L) EZB Hemi	2005	59	Pacifica	230 CID (3.8L)	2005	30
Magnum	360 CID (5.9L)	1978	61	Plaza	218 CID (3.6L) L-Head	1954	33
Magnum	400 CID (6.6L) OHV	1978	60	Plaza	230 CID (3.8L) L-Head	1954-1958	38
Matador	361 CID (5.9L) OHV	1960	60	Plaza	270 CID (4.4L) OHV	1956	47
Matador	383 CID (6.3L) OHV	1960	60	Plaza	277 CID (4.5L) OHV	1956-1957	48
Meadowbrook	230 CID (3.8L) L-Head	1949-1954	38	Plaza	301 CID (4.9L)	1957	48
Medallion	132 CID (2.2L) J7T Renault	1988-1989	13	Plaza	318 CID (5.2L)	1958	54
Mini Ram	135 CID (2.2L) SOHC	1984-1987	14	Polara	225 CID (3.7L) OHV	1963-1964	36
Mini Ram	153 CID (2.5L) SOHC	1987-1988	21	Polara	318 CID (5.2L)	1963-1973	54
Mini Ram	156 CID (2.6L) SOHC "F"	1984-1987	12	Polara	360 CID (5.9L)	1971-1973	61
Mini Ram	Mitsubishi			Polara	361 CID (5.9L) OHV	1961	60
Mini Ram	181 CID (3.0L) SOHC Mitsubishi	1987-1988	27	Polara	383 CID (6.3L) OHV	1960-1971	60
Mirada	225 CID (3.7L) OHV	1980-1982	36	Polara	400 CID (6.6L) OHV	1972-1973	60
Mirada	318 CID (5.2L)	1980-1982	54	Polara	413 CID (6.8L) OHV	1962	64
Mirada	360 CID (5.9L)	1980	61	Polara	426 CID (7.0L) Wedge	1963-1964	62
Monaco	225 CID (3.7L) OHV	1977-1978	36	Polara	426 CID (7.0L) Hemispherical	1964	65
Monaco	318 CID (5.2L)	1975-1978	54	Polara	440 CID (7.2L) OHV	1966-1973	64
Monaco	360 CID (5.9L)	1972-1978	61	Power Ram 50	122 CID (2.0L) SOHC "A"	1983	11
Monaco	383 CID (6.3L) OHV	1965-1971	60	Mitsubishi			
Monaco	400 CID (6.6L) OHV	1972-1978	60	Power Ram 50	143 CID (2.3L) SOHC Mitsubishi	1983	15
Monaco	413 CID (6.8L) OHV	1965	64	Diesel			
Monaco	426 CID (7.0L) Wedge	1965	62	Power Ram 50	144 CID (2.4L) 4G64 SOHC 8	1993	9
Monaco	440 CID (7.2L) OHV	1966-1978	64	Valve Mitsubishi			
Neon	122 CID (2.0L) DOHC	1995-1999	10	Power Ram 50	156 CID (2.6L) SOHC "W"	1982-1989	22
Neon	122 CID (2.0L) SOHC	1995-2005	10	Mitsubishi			
New Yorker	135 CID (2.2L) SOHC	1983	14	Power Ram 50	181 CID (3.0L) SOHC Mitsubishi	1990	27
New Yorker	135 CID (2.2L) SOHC	1984-1988	14	Power Ram W250	318 CID (5.2L)	1981-1987	54
New Yorker	153 CID (2.5L) SOHC	1986-1987	21	Power Ram W250	360 CID (5.9L)	1981-1988	61
New Yorker	156 CID (2.6L) SOHC "F"	1983-1985	12	Power Ram W350	318 CID (5.2L)	1982-1983	54
New Yorker	Mitsubishi						

CHRYSLER (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Power Ram W350	360 CID (5.9L)	1981-1988	61	Ram D50	122 CID/1997CC (2.0L) SOHC "U" Mitsubishi	1979-1980	12
Power Ram W450	360 CID (5.9L)	1981	61	Ram D50	156 CID (2.6L) SOHC "W" Mitsubishi	1979-1980	22
Power Wagon	230 CID (3.8L) L-Head Dodge	1947-1957	38	Ram D100	198 CID (3.2L) OHV	1970-1971	26
Powermaster	251 CID (4.1L) L-Head	1953-1954	34	Ram D100	225 CID (3.7L) OHV	1961-1987	36
Premier	150 CID (2.5L) SOHC Renault	1988	20	Ram D100	230 CID (3.8L) L-Head Dodge	1957-1960	38
Prowler	215 CID (3.5L) SOHC	1997-2002	31	Ram D100	239 CID (3.9L) Dodge	1988-1989	40
RM300	318 CID (5.2L)	1973-1974	54	Ram D100	243 CID (4.0L) OHV Mitsubishi Diesel	1974-1978	41
RM300	413 CID (6.8L) OHV	1973-1974	64	Ram D100	318 CID (5.2L)	1959-1989	54
RM300	440 CID (7.2L) OHV	1973-1974	64	Ram D100	360 CID (5.9L)	1972-1988	61
RM350	318 CID (5.2L)	1973-1974	54	Ram D100	383 CID (6.3L) OHV	1967-1971	60
RM350	400 CID (6.6L) OHV	1973-1974	60	Ram D100	400 CID (6.6L) OHV	1972-1980	60
RM350	413 CID (6.8L) OHV	1973-1974	64	Ram D100	440 CID (7.2L) OHV	1974-1978	64
RM400	413 CID (6.8L) OHV	1973-1974	64	Ram D150	225 CID (3.7L) OHV	1974-1987	36
RM400	440 CID (7.2L) OHV	1973-1974	64	Ram D150	239 CID (3.9L) Dodge	1988-1993	40
Raider	156 CID (2.6L) SOHC "W" Mitsubishi	1987-1989	22	Ram D150	243 CID (4.0L) OHV Mitsubishi Diesel	1974-1979	41
Raider	181 CID (3.0L) SOHC Mitsubishi	1989	27	Ram D150	318 CID (5.2L)	1974-1993	54
Ram 50	122 CID (2.0L) SOHC "A" Mitsubishi	1983-1989	11	Ram D150	360 CID (5.9L)	1974-1992	61
Ram 50	122 CID/1997CC (2.0L) SOHC "U" Mitsubishi	1982	12	Ram D150	400 CID (6.6L) OHV	1974-1978	60
Ram 50	143 CID (2.3L) SOHC Mitsubishi Diesel	1983-1985	15	Ram D150	440 CID (7.2L) OHV	1974-1978	64
Ram 50	144 CID (2.4L) 4G64 SOHC 8 Valve Mitsubishi	1990-1992	9	Ram D200	225 CID (3.7L) OHV	1961-1979	36
Ram 50	156 CID (2.6L) SOHC "W" Mitsubishi	1982-1989	22	Ram D200	230 CID (3.8L) L-Head Dodge	1957-1960	38
Ram 50	181 CID (3.0L) SOHC Mitsubishi	1990-1992	27	Ram D200	243 CID (4.0L) OHV Mitsubishi Diesel	1974-1979	41
Ram 1500	226 CID/3701CC (3.7L) EKG SOHC 12 Valve	2002-2005	37	Ram D200	318 CID (5.2L)	1959-1980	54
Ram 1500	239 CID (3.9L) Dodge	1994-2001	40	Ram D200	360 CID (5.9L)	1972-1980	61
Ram 1500	287 CID (4.7L) SOHC	2002-2005	49	Ram D200	383 CID (6.3L) OHV	1967-1971	60
Ram 1500	287 CID (4.7L) EVD SOHC	2004-2005	49	Ram D200	400 CID (6.6L) OHV	1972-1978	60
Ram 1500	318 CID (5.2L)	1994-2001	54	Ram D200	440 CID (7.2L) OHV	1974-1978	64
Ram 1500	318 CID (5.2L)	1994-1996	55	Ram D250	225 CID (3.7L) OHV	1981-1987	36
Ram 1500	345 CID (5.7L) EZA Hemi	2003-2005	59	Ram D250	239 CID (3.9L) Dodge	1988-1993	40
Ram 1500	360 CID (5.9L)	1994-2003	61	Ram D250	318 CID (5.2L)	1981-1993	54
Ram 2500	318 CID (5.2L)	1994-1996	54	Ram D250	359 CID (5.9L) ETA Cummins Diesel	1989-1993	45
Ram 2500	318 CID (5.2L)	1995-1996	55	Ram D250	359 CID (5.9L) ETB Cummins Diesel	1990-1993	45
Ram 2500	360 CID (5.9L)	1994-1996	61	Ram D250	360 CID (5.9L)	1981-1992	61
Ram 2500 Heavy Duty	345 CID (5.7L) EZA Hemi	2003-2005	59	Ram D300	225 CID (3.7L) OHV	1961-1978	36
Ram 2500 Heavy Duty	359 CID (5.9L) ETC 24 Valves Cummins Diesel	2003-2004	46	Ram D300	318 CID (5.2L)	1961-1979	54
Ram 2500 Heavy Duty	488 CID (8.0L) Iron Block Dodge	2003	67	Ram D300	360 CID (5.9L)	1972-1980	61
Ram 2500HD	359 CID (5.9L) ETB Cummins Diesel	1994-1998	45	Ram D300	383 CID (6.3L) OHV	1967-1971	60
Ram 2500HD	359 CID (5.9L) ETC 24 Valves Cummins Diesel	1998-2002	46	Ram D300	400 CID (6.6L) OHV	1972-1978	60
Ram 2500HD	359 CID (5.9L) ETH 24 Valves Cummins Diesel	2001-2002	46	Ram D300	440 CID (7.2L) OHV	1974-1978	64
Ram 2500HD	360 CID (5.9L)	1994-2002	61	Ram D350	239 CID (3.9L) Dodge	1990-1993	40
Ram 2500HD	488 CID (8.0L) Iron Block Dodge	1994-2002	67	Ram D350	318 CID (5.2L)	1981-1993	54
Ram 3500	359 CID (5.9L) ETB Cummins Diesel	1994-1998	45	Ram D350	359 CID (5.9L) ETA Cummins Diesel	1989-1993	45
Ram 3500	359 CID (5.9L) ETC 24 Valves Cummins Diesel	1998-2002	46	Ram D350	359 CID (5.9L) ETB Cummins Diesel	1990-1993	45
Ram 3500	359 CID (5.9L) ETH 24 Valves Cummins Diesel	2001-2002	46	Ram D350	360 CID (5.9L)	1981-1992	61
Ram 3500	360 CID (5.9L)	1994-2002	61	Ram D400	360 CID (5.9L)	1979-1980	61
Ram 3500	488 CID (8.0L) Iron Block Dodge	1994-2002	67	Ram M400	318 CID (5.2L)	1975	54
Ram 3500 Heavy Duty	345 CID (5.7L) EZA Hemi	2003-2005	59	Ram M400	360 CID (5.9L)	1976-1980	61
Ram 3500 Heavy Duty	359 CID (5.9L) ETC 24 Valves Cummins Diesel	2003-2004	46	Ram M400	440 CID (7.2L) OHV	1975-1980	64
Ram 3500 Heavy Duty	488 CID (8.0L) Iron Block Dodge	2003	67	Ram M500	440 CID (7.2L) OHV	1973-1980	64
Ram CB300	225 CID (3.7L) OHV	1972-1978	36	Ram M600	440 CID (7.2L) OHV	1976-1980	64
Ram CB300	318 CID (5.2L)	1972-1978	54	Ram MB300	360 CID (5.9L)	1979-1980	61
Ram CB300	360 CID (5.9L)	1972-1980	61	Ram MB300	440 CID (7.2L) OHV	1979	64
Ram CB350	360 CID (5.9L)	1981	61	Ram MB400	360 CID (5.9L)	1979-1980	61
Ram CB400	360 CID (5.9L)	1979	61	Ram MB400	440 CID (7.2L) OHV	1979	64
Ram CB450	360 CID (5.9L)	1981	61	Ram MBH350	360 CID (5.9L)	1981	61
				Ram MBH450	360 CID (5.9L)	1981	61
				Ram MBL300	318 CID (5.2L)	1974-1978	54
				Ram MBL300	360 CID (5.9L)	1974-1978	61
				Ram MBL300	440 CID (7.2L) OHV	1974-1978	64
				Ram MBL350	360 CID (5.9L)	1981	61

CHRYSLER (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Ram RD200	318 CID (5.2L)	1974-1978	54	Ram W250	318 CID (5.2L)	1983-1993	54
Ram RD200	360 CID (5.9L)	1974-1978	61	Ram W250	359 CID (5.9L) ETA Cummins Diesel	1989-1993	45
Ram Van 1500	239 CID (3.9L) Dodge	1994-2003	40	Ram W250	359 CID (5.9L) ETB Cummins Diesel	1990-1993	45
Ram Van 1500	318 CID (5.2L)	1994-2003	54	Ram W250	360 CID (5.9L)	1984-1992	61
Ram Van 1500	360 CID (5.9L)	1997-2003	61	Ram W300	225 CID (3.7L) OHV	1961-1978	36
Ram Van 2500	239 CID (3.9L) Dodge	1994-1996	40	Ram W300	251 CID (4.1L) L-Head Dodge	1957-1968	42
Ram Van 2500	318 CID (5.2L)	1994-2003	54	Ram W300	318 CID (5.2L)	1959-1978	54
Ram Van 2500	318 CID (5.2L)	1994-2003	55	Ram W300	360 CID (5.9L)	1972-1978	61
Ram Van 2500	360 CID (5.9L)	1994-2003	61	Ram W300	383 CID (6.3L) OHV	1967-1969	60
Ram Van 3500	318 CID (5.2L)	1994-2003	54	Ram W300	400 CID (6.6L) OHV	1972-1978	60
Ram Van 3500	318 CID (5.2L)	1994-2003	55	Ram W300	440 CID (7.2L) OHV	1974-1978	64
Ram Van 3500	360 CID (5.9L)	1994-2003	61	Ram W350	318 CID (5.2L)	1983-1993	54
Ram Van B100	225 CID (3.7L) OHV	1972-1980	36	Ram W350	359 CID (5.9L) ETA Cummins Diesel	1989-1993	45
Ram Van B100	243 CID (4.0L) OHV Mitsubishi Diesel	1979	41	Ram W350	359 CID (5.9L) ETB Cummins Diesel	1990-1993	45
Ram Van B100	318 CID (5.2L)	1972-1980	54	Ram W350	360 CID (5.9L)	1983-1992	61
Ram Van B100	360 CID (5.9L)	1972-1978	61	Ram W400	360 CID (5.9L)	1974-1977	61
Ram Van B150	225 CID (3.7L) OHV	1981-1987	36	Ram W400	400 CID (6.6L) OHV	1974-1977	60
Ram Van B150	239 CID (3.9L) Dodge	1988-1993	40	Ram W400	440 CID (7.2L) OHV	1974-1977	64
Ram Van B150	318 CID (5.2L)	1981-1993	54	Ram Wagon 1500	239 CID (3.9L) Dodge	1994-2002	40
Ram Van B150	360 CID (5.9L)	1988	61	Ram Wagon 1500	318 CID (5.2L)	1994-2002	54
Ram Van B200	198 CID (3.2L) OHV	1971	26	Ram Wagon 2500	239 CID (3.9L) Dodge	1994-1996	40
Ram Van B200	225 CID (3.7L) OHV	1971-1978	36	Ram Wagon 2500	318 CID (5.2L)	1994-2002	54
Ram Van B200	243 CID (4.0L) OHV Mitsubishi Diesel	1979	41	Ram Wagon 2500	318 CID (5.2L)	1994-2002	55
Ram Van B200	318 CID (5.2L)	1971-1980	54	Ram Wagon 2500	360 CID (5.9L)	1994-2002	61
Ram Van B200	360 CID (5.9L)	1971-1979	61	Ram Wagon 3500	318 CID (5.2L)	1994-2002	54
Ram Van B200	400 CID (6.6L) OHV	1974-1980	60	Ram Wagon 3500	318 CID (5.2L)	1994-2002	55
Ram Van B200	440 CID (7.2L) OHV	1974-1978	64	Ram Wagon 3500	360 CID (5.9L)	1994-2002	61
Ram Van B250	225 CID (3.7L) OHV	1981-1987	36	Ram Wagon B100	198 CID (3.2L) OHV	1971	26
Ram Van B250	239 CID (3.9L) Dodge	1988-1993	40	Ram Wagon B100	225 CID (3.7L) OHV	1971-1979	36
Ram Van B250	318 CID (5.2L)	1981-1993	54	Ram Wagon B100	318 CID (5.2L)	1971-1979	54
Ram Van B250	318 CID (5.2L)	1992-1993	55	Ram Wagon B100	360 CID (5.9L)	1971-1978	61
Ram Van B250	360 CID (5.9L)	1984-1992	61	Ram Wagon B150	225 CID (3.7L) OHV	1983-1987	36
Ram Van B300	225 CID (3.7L) OHV	1971-1978	36	Ram Wagon B150	239 CID (3.9L) Dodge	1988-1993	40
Ram Van B300	243 CID (4.0L) OHV Mitsubishi Diesel	1979	41	Ram Wagon B150	318 CID (5.2L)	1983-1993	54
Ram Van B300	318 CID (5.2L)	1971-1978	54	Ram Wagon B200	198 CID (3.2L) OHV	1971	26
Ram Van B300	360 CID (5.9L)	1971-1979	61	Ram Wagon B200	225 CID (3.7L) OHV	1971-1978	36
Ram Van B300	400 CID (6.6L) OHV	1974-1978	60	Ram Wagon B200	318 CID (5.2L)	1971-1980	54
Ram Van B300	440 CID (7.2L) OHV	1974-1978	64	Ram Wagon B200	360 CID (5.9L)	1971-1979	61
Ram Van B350	318 CID (5.2L)	1981-1993	54	Ram Wagon B200	400 CID (6.6L) OHV	1974-1978	60
Ram Van B350	318 CID (5.2L)	1992-1993	55	Ram Wagon B200	440 CID (7.2L) OHV	1974-1978	64
Ram Van B350	360 CID (5.9L)	1983-1992	61	Ram Wagon B250	225 CID (3.7L) OHV	1982-1987	36
Ram W100	225 CID (3.7L) OHV	1961-1987	36	Ram Wagon B250	239 CID (3.9L) Dodge	1988-1993	40
Ram W100	230 CID (3.8L) L-Head Dodge	1957-1960	38	Ram Wagon B250	318 CID (5.2L)	1982-1993	54
Ram W100	239 CID (3.9L) Dodge	1989	40	Ram Wagon B250	318 CID (5.2L)	1992-1993	55
Ram W100	318 CID (5.2L)	1959-1989	54	Ram Wagon B250	360 CID (5.9L)	1984-1992	61
Ram W100	360 CID (5.9L)	1972-1988	61	Ram Wagon B300	225 CID (3.7L) OHV	1971	36
Ram W100	383 CID (6.3L) OHV	1967-1971	60	Ram Wagon B300	318 CID (5.2L)	1971-1980	54
Ram W100	400 CID (6.6L) OHV	1972-1977	60	Ram Wagon B300	360 CID (5.9L)	1971-1979	61
Ram W100	440 CID (7.2L) OHV	1974-1977	64	Ram Wagon B300	400 CID (6.6L) OHV	1974-1978	60
Ram W150	225 CID (3.7L) OHV	1978-1987	36	Ram Wagon B300	440 CID (7.2L) OHV	1974-1978	64
Ram W150	239 CID (3.9L) Dodge	1989-1993	40	Ram Wagon B350	318 CID (5.2L)	1982-1993	54
Ram W150	243 CID (4.0L) OHV Mitsubishi Diesel	1978-1979	41	Ram Wagon B350	318 CID (5.2L)	1992-1993	55
Ram W150	318 CID (5.2L)	1978-1993	54	Ram Wagon B350	360 CID (5.9L)	1982-1992	61
Ram W150	360 CID (5.9L)	1978-1992	61	Ramcharger AD100	225 CID (3.7L) OHV	1974-1979	36
Ram W150	400 CID (6.6L) OHV	1978	60	Ramcharger AD100	318 CID (5.2L)	1974-1980	54
Ram W150	440 CID (7.2L) OHV	1978	64	Ramcharger AD100	360 CID (5.9L)	1974-1979	61
Ram W200	225 CID (3.7L) OHV	1961-1978	36	Ramcharger AD100	400 CID (6.6L) OHV	1974-1978	60
Ram W200	230 CID (3.8L) L-Head Dodge	1957-1960	38	Ramcharger AD100	440 CID (7.2L) OHV	1974-1978	64
Ram W200	243 CID (4.0L) OHV Mitsubishi Diesel	1974-1979	41	Ramcharger AD150	318 CID (5.2L)	1982-1993	54
Ram W200	318 CID (5.2L)	1959-1980	54	Ramcharger AD150	360 CID (5.9L)	1984-1992	61
Ram W200	360 CID (5.9L)	1972-1980	61	Ramcharger AW100	225 CID (3.7L) OHV	1974-1979	36
Ram W200	383 CID (6.3L) OHV	1967-1971	60	Ramcharger AW100	318 CID (5.2L)	1974-1980	54
Ram W200	400 CID (6.6L) OHV	1972-1978	60	Ramcharger AW100	360 CID (5.9L)	1974-1979	61
Ram W200	440 CID (7.2L) OHV	1974-1978	64	Ramcharger AW100	400 CID (6.6L) OHV	1974-1978	60

CHRYSLER (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Ramcharger AW100	440 CID (7.2L) OHV	1974-1978	64	Savoy	426 CID (7.0L) Hemispherical	1964	65
Ramcharger AW150	318 CID (5.2L)	1982-1993	54	Scamp	135 CID (2.2L) SOHC	1983	14
Ramcharger AW150	360 CID (5.9L)	1984-1992	61	Scamp	198 CID (3.2L) OHV	1971-1973	26
Rampage	105 CID (1.7L) SOHC	1982-1983	6	Scamp	225 CID (3.7L) OHV	1971-1973	36
	Volkswagen			Scamp	318 CID (5.2L)	1971-1976	54
Rampage	135 CID (2.2L) SOHC	1982-1984	14	Scamp	360 CID (5.9L)	1975	61
Reliant	135 CID (2.2L) SOHC	1981-1988	14	Sebring	122 CID (2.0L) DOHC	1995-1999	10
Reliant	153 CID (2.5L) SOHC	1986-1988	21	Sebring	148 CID/2429CC (2.4L) DOHC	1996-2005	17
Reliant	156 CID (2.6L) SOHC "F"	1981-1985	12	Sebring	167 CID/2736CC (2.7L) DOHC	2001-2005	24
	Mitsubishi			Sebring	167 CID/2736CC (2.7L) DOHC	2003-2005	25
Road Runner	318 CID (5.2L)	1972-1975	54	Sebring	181 CID/2972CC (3.0L) EF7	2001-2004	28
Road Runner	340 CID (5.6L) OHV	1971-1973	58		SOHC Mitsubishi		
Road Runner	360 CID (5.9L)	1974-1975	61	Sebring	2497CC (2.5L) EEB Mitsubishi	1995-2000	23
Road Runner	383 CID (6.3L) OHV	1968-1971	60	Shadow	135 CID (2.2L) SOHC	1987-1994	14
Road Runner	400 CID (6.6L) OHV	1972-1975	60	Shadow	135 CID (2.2L) SOHC	1987-1988	14
Road Runner	426 CID (7.0L) Hemispherical	1968-1971	65	Shadow	153 CID (2.5L) SOHC	1988-1995	21
Road Runner	440 CID (7.2L) OHV	1970-1974	64	Shadow	153 CID (2.5L) SOHC	1989-1992	21
Royal	251 CID (4.1L) L-Head	1942-1948	34	Shadow	181 CID (3.0L) SOHC Mitsubishi	1992-1994	27
Royal	270 CID (4.4L) Hemispherical	1955	47	Special	218 CID (3.6L) L-Head	1934	33
Royal	270 CID (4.4L) OHV	1955-1956	47	Special Deluxe	218 CID (3.6L) L-Head	1942-1950	33
Royal	315 CID (5.2L) Hemispherical	1956	53	Spirit	135 CID (2.2L) DOHC	1991-1992	14
Royal	325 CID (5.3L) Hemispherical	1957-1958	53	Spirit	153 CID (2.5L) SOHC	1989-1995	21
Royal	350 CID (5.7L) OHV	1958	60	Spirit	153 CID (2.5L) SOHC	1989-1992	21
Royal	361 CID (5.9L) OHV	1958	60	Spirit	181 CID (3.0L) SOHC Mitsubishi	1989-1995	27
Royal	383 CID (6.3L) OHV	1958-1959	60	Sport Fury	225 CID (3.7L) OHV	1976	36
Royal Monaco	318 CID (5.2L)	1975	54	Sport Fury	318 CID (5.2L)	1959-1971	54
Royal Monaco	360 CID (5.9L)	1975-1977	61	Sport Fury	340 CID (5.6L) OHV	1971	58
Royal Monaco	400 CID (6.6L) OHV	1975-1976	60	Sport Fury	360 CID (5.9L)	1971	61
Royal Monaco	440 CID (7.2L) OHV	1975-1978	64	Sport Fury	361 CID (5.9L) OHV	1959-1965	60
S400	251 CID (4.1L) L-Head Dodge	1957-1962	42	Sport Fury	383 CID (6.3L) OHV	1963-1971	60
S500	225 CID (3.7L) OHV	1963-1968	36	Sport Fury	400 CID (6.6L) OHV	1976	60
S500	251 CID (4.1L) L-Head Dodge	1957-1968	42	Sport Fury	426 CID (7.0L) Wedge	1963-1965	62
S500	265 CID (4.3L) L-Head Dodge	1957-1960	43	Sport Fury	426 CID (7.0L) Hemispherical	1964	65
S500	318 CID (5.2L)	1958-1971	54	Sport Fury	440 CID (7.2L) OHV	1966-1971	64
S600	265 CID (4.3L) L-Head Dodge	1957-1959	43	Sport Fury GT	383 CID (6.3L) OHV	1971	60
S600	318 CID (5.2L)	1960-1977	54	Sport Fury GT	440 CID (7.2L) OHV	1970-1971	64
S600	361 CID (5.9L) OHV	1960-1977	60	Sport Satellite	318 CID (5.2L)	1968-1969	54
SRT-4	148 CID/2429CC (2.4L) DOHC	2003-2005	18	Sport Satellite	383 CID (6.3L) OHV	1968-1969	60
SX 2.0	122 CID (2.0L) SOHC	2003-2005	10	Sport Satellite	440 CID (7.2L) OHV	1969	64
Sapporo	98 CID (1.6L) SOHC K & Z	1978-1979	5	Sportsman Wagon B150	225 CID (3.7L) OHV	1981	36
	Mitsubishi			Sportsman Wagon B150	318 CID (5.2L)	1981	54
Sapporo	156 CID (2.6L) SOHC "F"	1978-1983	12	Sportsman Wagon B250	225 CID (3.7L) OHV	1981	36
	Mitsubishi			Sportsman Wagon B250	318 CID (5.2L)	1981	54
Saratoga	324 CID (5.3L) L-Head	1939-1942	57	Sportsman Wagon B350	318 CID (5.2L)	1981	54
Saratoga	331 CID (5.4L) Hemispherical	1951-1952	51	Sportsman Wagon B350	360 CID (5.9L)	1981	61
Saratoga	354 CID (5.8L) Hemispherical	1957-1958	51	St. Regis	225 CID (3.7L) OHV	1979	36
Saratoga	383 CID (6.3L) OHV	1959-1960	62	St. Regis	318 CID (5.2L)	1979	54
Satellite	225 CID (3.7L) OHV	1968-1974	36	St. Regis	360 CID (5.9L)	1979	61
Satellite	273 CID (4.5L) OHV	1967	48	Station Wagon	325 CID (5.3L) Hemispherical	1957	53
Satellite	318 CID (5.2L)	1967-1974	54	Station Wagon	350 CID (5.7L) OHV	1958	60
Satellite	340 CID (5.6L) OHV	1973	58	Station Wagon	361 CID (5.9L) OHV	1958	60
Satellite	360 CID (5.9L)	1974	61	Stealth	181 CID (3.0L) SOHC Mitsubishi	1991-1996	27
Satellite	383 CID (6.3L) OHV	1967-1969	60	Stealth	181 CID (3.0L) DOHC Mitsubishi	1991-1996	27
Satellite	400 CID (6.6L) OHV	1972-1974	60	Stealth	181 CID (3.0L) DOHC Mitsubishi	1991-1996	27
Satellite	426 CID (7.0L) Hemispherical	1967	65	Stratus	122 CID (2.0L) SOHC	1995-1999	10
Satellite	440 CID (7.2L) OHV	1969	64	Stratus	148 CID/2429CC (2.4L) DOHC	1995-2005	17
Satellite Sport Wagon	318 CID (5.2L)	1968	54	Stratus	167 CID/2736CC (2.7L) DOHC	2001-2005	24
Satellite Sport Wagon	383 CID (6.3L) OHV	1968	60	Stratus	167 CID/2736CC (2.7L) DOHC	2003-2004	25
Savoy	218 CID (3.6L) L-Head	1954	33	Stratus	181 CID/2972CC (3.0L) EF7	2001-2005	28
Savoy	225 CID (3.7L) OHV	1960-1964	36		SOHC Mitsubishi		
Savoy	230 CID (3.8L) L-Head	1954-1958	38	Stratus	2497CC (2.5L) EEB Mitsubishi	1995-2000	23
Savoy	270 CID (4.4L) OHV	1956	47	Suburbans	318 CID (5.2L)	1972	54
Savoy	277 CID (4.5L) OHV	1956-1957	48	Suburbans	360 CID (5.9L)	1972-1974	61
Savoy	301 CID (4.9L)	1957	48	Suburbans	400 CID (6.6L) OHV	1972-1973	60
Savoy	318 CID (5.2L)	1958-1964	54	Suburbans	440 CID (7.2L) OHV	1973-1974	64
Savoy	361 CID (5.9L) OHV	1959-1964	60	Summit	92 CID (1.5L) SOHC 8 Valve	1989-1990	3
Savoy	383 CID (6.3L) OHV	1960-1964	60		"Q" Fuel Injected Mitsubishi		
Savoy	413 CID (6.8L) OHV	1961	64	Summit	92 CID (1.5L) 12 Valve "Q"	1991-1996	2
Savoy	426 CID (7.0L) Wedge	1964	62		Mitsubishi		

CHRYSLER (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Summit	98 CID (1.6L) DOHC Mitsubishi	1989-1990	5	Volare	225 CID (3.7L) OHV	1976-1980	36
Summit	112 CID (1.8L) 16 Valve (4G93) Mitsubishi	1992-1996	8	Volare	318 CID (5.2L)	1976-1980	54
Summit	144 CID (2.4L) 4G64 SOHC 8 Valve Mitsubishi	1992	9	Volare	360 CID (5.9L)	1976-1980	61
Summit	144 CID (2.4L) 4G64 SOHC 16 Valve Mitsubishi	1993-1996	16	Voyager	135 CID (2.2L) SOHC	1984-1987	14
Sundance	135 CID (2.2L) SOHC	1987-1994	14	Voyager	148 CID/2429CC (2.4L) DOHC	1996-2002	17
Sundance	135 CID (2.2L) SOHC	1987-1989	14	Voyager	153 CID (2.5L) SOHC	1987-1995	21
Sundance	153 CID (2.5L) SOHC	1988-1995	21	Voyager	153 CID (2.5L) SOHC	1989-1990	21
Sundance	153 CID (2.5L) SOHC	1989-1991	21	Voyager	156 CID (2.6L) SOHC "F" Mitsubishi	1984-1987	12
Sundance	181 CID (3.0L) SOHC Mitsubishi	1992-1994	27	Voyager	181 CID (3.0L) SOHC Mitsubishi	1987-2000	27
TC3	105 CID (1.7L) SOHC Volkswagen	1981-1982	6	Voyager	201 CID (3.3L)	1991-2000	30
TC3	135 CID (2.2L) SOHC	1981	14	Voyager	201 CID (3.3L)	1994-1996	30
TC	135 CID (2.2L) DOHC Maserati	1989-1990	14	Voyager	201 CID (3.3L) EGM	1998-2003	30
TC	181 CID (3.0L) SOHC Mitsubishi	1990-1991	27	Voyager	230 CID (3.8L)	1996-1999	30
TE Series	218 CID (3.6L) L-Head	1939	33	Voyager PB100	225 CID (3.7L) OHV	1974-1980	36
Talon	122 CID (2.0L) 4G63 DOHC Mitsubishi	1990-1994	9	Voyager PB100	318 CID (5.2L)	1974-1980	54
Talon	122 CID (2.0L) 4G63T DOHC TURBO Mitsubishi	1990-1998	9	Voyager PB100	360 CID (5.9L)	1974-1980	61
Talon	122 CID (2.0L) DOHC	1995-1998	10	Voyager PB100	400 CID (6.6L) OHV	1974	60
Town & Country	201 CID (3.3L)	1990-2000	30	Voyager PB150	225 CID (3.7L) OHV	1981-1982	36
Town & Country	201 CID (3.3L) EGM	2000-2003	30	Voyager PB150	318 CID (5.2L)	1981-1982	54
Town & Country	230 CID (3.8L)	1994-2005	30	Voyager PB200	225 CID (3.7L) OHV	1974-1980	36
Trailduster	225 CID (3.7L) OHV	1974-1980	36	Voyager PB200	318 CID (5.2L)	1974-1980	54
Trailduster	318 CID (5.2L)	1974-1980	54	Voyager PB200	360 CID (5.9L)	1974-1980	61
Trailduster	360 CID (5.9L)	1974-1980	61	Voyager PB200	400 CID (6.6L) OHV	1974-1978	60
Trailduster	400 CID (6.6L) OHV	1974-1978	60	Voyager PB200	440 CID (7.2L) OHV	1974-1978	64
Trailduster	440 CID (7.2L) OHV	1974-1978	64	Voyager PB250	225 CID (3.7L) OHV	1981-1982	36
Turismo	97 CID (1.6L) OHV Peugeot	1983-1986	4	Voyager PB250	318 CID (5.2L)	1981-1982	54
Turismo	105 CID (1.7L) SOHC Volkswagen	1983	6	Voyager PB250	360 CID (5.9L)	1981-1982	61
Turismo	135 CID (2.2L) SOHC	1983-1986	14	Voyager PB300	225 CID (3.7L) OHV	1974-1980	36
VIP	318 CID (5.2L)	1966-1969	54	Voyager PB300	318 CID (5.2L)	1974-1980	54
VIP	361 CID (5.9L) OHV	1966	60	Voyager PB300	360 CID (5.9L)	1974-1980	61
VIP	383 CID (6.3L) OHV	1966-1969	60	Voyager PB300	400 CID (6.6L) OHV	1974-1978	60
VIP	440 CID (7.2L) OHV	1966-1969	64	Voyager PB300	440 CID (7.2L) OHV	1974-1978	64
Valiant	170 CID (2.8L) OHV	1960-1969	26	Voyager PB350	318 CID (5.2L)	1981-1982	54
Valiant	198 CID (3.2L) OHV	1970-1973	26	Voyager PB350	360 CID (5.9L)	1981-1982	61
Valiant	225 CID (3.7L) OHV	1961-1973	36	W300M	230 CID (3.8L) L-Head Dodge	1958-1959	38
Valiant	273 CID (4.5L) OHV	1964-1969	48	W500	225 CID (3.7L) OHV	1963-1967	36
Valiant	318 CID (5.2L)	1968-1976	54	W500	251 CID (4.1L) L-Head Dodge	1961-1963	42
Valiant	360 CID (5.9L)	1975	61	W500	265 CID (4.3L) L-Head Dodge	1957-1960	43
Viper	488 CID (8.0L) Aluminum Block	1992-2002	66	W500	318 CID (5.2L)	1958-1971	54
Vision	201 CID (3.3L)	1993-1997	30	WF Series	251 CID (4.1L) L-Head Dodge	1942-1947	42
Vision	215 CID (3.5L) SOHC	1993-1997	31	WG Series	251 CID (4.1L) L-Head Dodge	1942-1947	42
Vista	92 CID (1.5L) SOHC Jet Valve "Q" Carbureted Mitsubishi	1989-1991	3	WH Series	242 CID (4.0L) L-Head Dodge	1938-1941	34
Vista	92 CID (1.5L) 12 Valve "Q" Mitsubishi	1992	2	WH Series	251 CID (4.1L) L-Head Dodge	1942-1947	42
Vista	98 CID (1.6L) DOHC Mitsubishi	1989-1990	5	WM300	230 CID (3.8L) L-Head Dodge	1960	38
Vista	122 CID (2.0L) SOHC "A" Mitsubishi	1989-1991	11	WM300	251 CID (4.1L) L-Head Dodge	1961-1968	42
Vista	122 CID (2.0L) 4G63 DOHC Mitsubishi	1989-1991	9	Wayfarer	230 CID (3.8L) L-Head	1949-1952	38

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
31	3.386in./86mm	5	782	3.313in./84.2mm	52	9414	4.625in./117.5mm	35	617925	4.375in./111.1mm	33
72G	2.992in./76mm	27	9300	4.375in./111.1mm	35	9414	4.625in./117.5mm	38	617925	4.625in./117.5mm	38
72W	2.992in./76mm	27	9300	4.375in./111.1mm	33	15134N	3.125in./79.4mm	26	617925	4.375in./111.1mm	32
218LW	3.622in./92mm	14	9300	4.375in./111.1mm	32	15134N	4.125in./104.8mm	36	665679	4.250in./108mm	39
699	3.313in./84.2mm	54	9410	4.375in./111.1mm	35	15140	3.125in./79.4mm	26	665679	4.500in./114.3mm	39
699	3.313in./84.2mm	48	9410	4.625in./117.5mm	35	15140	4.125in./104.8mm	36	665679	4.750in./120.7mm	39
699	3.313in./84.2mm	52	9410	4.375in./111.1mm	33	59554	5.000in./127mm	44	665679	4.250in./108mm	34
782	3.313in./84.2mm	54	9410	4.625in./117.5mm	38	617925	4.375in./111.1mm	35	665679	4.500in./114.3mm	34
782	3.313in./84.2mm	48	9410	4.375in./111.1mm	32	617925	4.625in./117.5mm	35	665679	4.500in./114.3mm	42

CHRYSLER (Cont.)

CONNECTING ROD FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
665679	4.063in./103.2mm	34	954418	4.250in./108mm	39	1554471	4.375in./111.1mm	33	2406395	3.750in./95.3mm	65
665679	4.750in./120.7mm	34	954418	4.500in./114.3mm	39	1554471	4.625in./117.5mm	38	2406782	3.313in./84.2mm	54
666743	4.625in./117.5mm	35	954418	4.750in./120.7mm	39	1554471	4.375in./111.1mm	32	2406782	3.375in./85.7mm	60
666743	4.625in./117.5mm	38	954418	4.250in./108mm	34	1554530	4.375in./111.1mm	35	2406782	3.313in./84.2mm	48
666746	4.250in./108mm	39	954418	4.500in./114.3mm	34	1554530	4.625in./117.5mm	35	2406782	3.313in./84.2mm	52
666746	4.500in./114.3mm	39	954418	4.500in./114.3mm	42	1554530	4.375in./111.1mm	33	2406782	3.313in./84.2mm	55
666746	4.750in./120.7mm	39	954418	4.063in./103.2mm	34	1554530	4.625in./117.5mm	38	2406886	3.750in./95.3mm	64
666746	4.250in./108mm	34	954418	4.750in./120.7mm	34	1554530	4.375in./111.1mm	32	2406886	3.750in./95.3mm	62
666746	4.500in./114.3mm	34	954428	4.250in./108mm	39	1618699	3.313in./84.2mm	54	2406886	3.750in./95.3mm	65
666746	4.500in./114.3mm	42	954428	4.500in./114.3mm	39	1618699	3.375in./85.7mm	60	2468000	3.750in./95.3mm	65
666746	4.063in./103.2mm	34	954428	4.750in./120.7mm	39	1618699	3.313in./84.2mm	48	2899496	3.313in./84.2mm	58
666746	4.750in./120.7mm	34	954428	4.250in./108mm	34	1618699	3.313in./84.2mm	52	2951260	3.125in./79.4mm	26
868896	4.375in./111.1mm	35	954428	4.500in./114.3mm	34	1618699	3.313in./84.2mm	55	2951260	4.125in./104.8mm	36
868896	4.625in./117.5mm	35	954428	4.500in./114.3mm	42	1630398	3.800in./96.5mm	53	2951908	3.375in./85.7mm	60
868896	4.375in./111.1mm	33	954428	4.063in./103.2mm	34	1673758	3.906in./99.2mm	63	2951908	3.750in./95.3mm	64
868896	4.625in./117.5mm	38	954428	4.750in./120.7mm	34	1737692	3.375in./85.7mm	60	2951908	3.750in./95.3mm	62
868896	4.375in./111.1mm	32	954448	4.250in./108mm	39	1821345	3.625in./92.1mm	51	3418645	3.313in./84.2mm	54
952118	4.375in./111.1mm	35	954448	4.250in./108mm	34	1821345	3.800in./96.5mm	53	3418645	3.313in./84.2mm	58
952118	4.625in./117.5mm	35	954448	4.063in./103.2mm	34	1851535	3.375in./85.7mm	60	3418645	3.313in./84.2mm	55
952118	4.375in./111.1mm	33	1324222	3.625in./92.1mm	51	1851535	3.750in./95.3mm	64	3751142N	4.125in./104.8mm	36
952118	4.625in./117.5mm	38	1328783	3.250in./82.6mm	47	1851535	3.625in./92.1mm	51	3901085	4.724in./120mm	45
952118	4.375in./111.1mm	32	1400244	4.250in./108mm	39	1851535	3.750in./95.3mm	62	3901566	4.724in./120mm	45
954371	4.375in./111.1mm	35	1400244	4.500in./114.3mm	39	1851535	3.750in./95.3mm	65	4448903	3.189in./81mm	30
954371	4.625in./117.5mm	35	1400244	4.750in./120.7mm	39	1947167	3.125in./79.4mm	26	5203385	3.622in./92mm	14
954371	4.625in./117.5mm	38	1400244	4.250in./108mm	34	1947167	4.125in./104.8mm	36	3133718JGSB	5.000in./127mm	44
954371	4.375in./111.1mm	32	1400244	4.500in./114.3mm	34	1947952	3.125in./79.4mm	26	31337310	5.000in./127mm	44
954408	4.375in./111.1mm	35	1400244	4.500in./114.3mm	42	1947952	4.125in./104.8mm	36	D	3.386in./86mm	5
954408	4.625in./117.5mm	35	1400244	4.063in./103.2mm	34	2205554	3.125in./79.4mm	26	F	3.386in./86mm	5
954408	4.375in./111.1mm	33	1400244	4.750in./120.7mm	34	2205554	4.125in./104.8mm	36	S	3.386in./86mm	5
954408	4.625in./117.5mm	38	1554471	4.375in./111.1mm	35	2406395	3.750in./95.3mm	64			
954408	4.375in./111.1mm	32	1554471	4.625in./117.5mm	35	2406395	3.750in./95.3mm	62			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1.9	2.992in./76mm	27	4K	3.268in./83mm	10	63GU	3.622in./92mm	14	665792	4.500in./114.3mm	42
1.9	3.386in./86mm	7	4XC1-U	2.953in./75mm	5	65-RU	3.465in./88mm	9	666739	4.500in./114.3mm	39
2NABC	3.386in./86mm	7	4XC1-U	3.386in./86mm	7	65-RU	3.622in./92mm	14	666739	4.500in./114.3mm	34
2Y68-76	3.386in./86mm	7	4XC1-U	3.268in./83mm	10	69-GU	3.465in./88mm	9	666739	4.500in./114.3mm	42
3A	3.622in./92mm	14	4XCIU	2.953in./75mm	5	69-GU	3.622in./92mm	14	666739	4.063in./103.2mm	34
3AC	3.622in./92mm	14	4XCIU	3.386in./86mm	7	74TM	3.465in./88mm	9	673498	4.500in./114.3mm	39
3AH	3.622in./92mm	14	4XCIU	3.268in./83mm	10	76TM	3.465in./88mm	9	673498	4.500in./114.3mm	34
3B	3.622in./92mm	14	5A	3.622in./92mm	14	77A	3.465in./88mm	9	673498	4.500in./114.3mm	42
3E	3.622in./92mm	14	5AK	3.622in./92mm	14	78TM	3.465in./88mm	9	762706	4.500in./114.3mm	39
3H	3.622in./92mm	14	5G9-37	3.622in./92mm	14	78TM-CA	3.465in./88mm	9	762706	4.500in./114.3mm	34
003K	2.992in./76mm	27	6-H	3.465in./88mm	9	81-K	3.465in./88mm	9	762706	4.500in./114.3mm	42
003K	3.386in./86mm	7	6AM	3.465in./88mm	9	96TM-AA	2.992in./76mm	27	856080	4.375in./111.1mm	35
3KC	3.622in./92mm	14	6AM	3.622in./92mm	14	96TM-AA	3.189in./81mm	31	856080	4.375in./111.1mm	33
003N	2.992in./76mm	27	6M	3.465in./88mm	9	97TM-	2.992in./76mm	27	856080	4.375in./111.1mm	32
003N	3.386in./86mm	7	7HA	3.465in./88mm	9	97TM-	3.189in./81mm	31	863706	4.500in./114.3mm	39
3SF	3.622in./92mm	14	7HA-6303	3.465in./88mm	9	407N	3.937in./100mm	9	863706	4.500in./114.3mm	34
3YA	3.937in./100mm	9	09N	2.992in./76mm	27	1174N	2.992in./76mm	27	863706	4.500in./114.3mm	42
4A	3.937in./100mm	9	09N	3.386in./86mm	7	1174N	3.386in./86mm	7	864718	4.625in./117.5mm	35
4AC	3.937in./100mm	9	10-B	2.992in./76mm	27	3281N	3.386in./86mm	7	864718	4.250in./108mm	39
4AL	3.937in./100mm	9	10-B	3.386in./86mm	7	3294	3.750in./95.3mm	64	864718	4.500in./114.3mm	39
4G1	2.953in./75mm	5	11M	2.992in./76mm	27	3294	3.750in./95.3mm	62	864718	4.250in./108mm	34
4G1	3.386in./86mm	7	11M	3.386in./86mm	7	3654	3.189in./81mm	30	864718	4.500in./114.3mm	34
4G1	3.268in./83mm	10	19N	2.992in./76mm	27	4196N	3.937in./100mm	9	864718	4.500in./114.3mm	42
4G61	2.953in./75mm	5	30R	3.386in./86mm	7	7243N	3.465in./88mm	9	864718	4.625in./117.5mm	38
4G61	3.386in./86mm	7	31-87	3.386in./86mm	7	020201A1	2.992in./76mm	27	864719	4.375in./111.1mm	35
4G61	3.268in./83mm	10	31M	3.386in./86mm	7	020201A1	3.386in./86mm	7	864719	4.375in./111.1mm	33
4G-3	2.953in./75mm	5	40F	3.937in./100mm	9	329880N	3.386in./86mm	7	864719	4.375in./111.1mm	32
4G-3	3.386in./86mm	7	45-T	3.937in./100mm	9	620035	4.375in./111.1mm	35	868929	4.625in./117.5mm	35
4G-3	3.268in./83mm	10	59-PK	3.622in./92mm	14	620035	4.375in./111.1mm	33	868929	4.625in./117.5mm	38
4K05	2.953in./75mm	5	63-GC	3.465in./88mm	9	620035	4.375in./111.1mm	32	870715	4.250in./108mm	39
4K05	3.386in./86mm	7	63-GC	3.622in./92mm	14	665792	4.250in./108mm	39	870715	4.500in./114.3mm	39
4K05	3.268in./83mm	10	63GC	3.465in./88mm	9	665792	4.500in./114.3mm	39	870715	4.250in./108mm	34
4K	2.953in./75mm	5	63GC	3.622in./92mm	14	665792	4.250in./108mm	34	870715	4.500in./114.3mm	34
4K	3.386in./86mm	7	63GU	3.465in./88mm	9	665792	4.500in./114.3mm	34	870715	4.500in./114.3mm	42

CHRYSLER (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
870744	4.500in./114.3mm	39	1732610	3.313in./84.2mm	52	2206158	3.750in./95.3mm	62	3462923	3.375in./85.7mm	60
870744	4.500in./114.3mm	34	1736044	3.800in./96.5mm	53	2206158	3.750in./95.3mm	65	3482387	3.313in./84.2mm	54
870744	4.500in./114.3mm	42	1737641	3.375in./85.7mm	60	2206159	3.375in./85.7mm	60	3482387	3.313in./84.2mm	48
952068	4.375in./111.1mm	35	1737642	3.375in./85.7mm	60	2206160	3.750in./95.3mm	64	3482387	3.313in./84.2mm	52
952068	4.375in./111.1mm	33	1737642	3.750in./95.3mm	64	2206160	3.750in./95.3mm	62	3482387	3.313in./84.2mm	55
952068	4.375in./111.1mm	32	1737642	3.750in./95.3mm	62	2206160	3.750in./95.3mm	65	3698641	3.750in./95.3mm	64
1185539	4.625in./117.5mm	35	1739538	3.800in./96.5mm	53	2258393	3.313in./84.2mm	54	3698641	3.750in./95.3mm	62
1185539	4.625in./117.5mm	38	1739589	4.625in./117.5mm	35	2258393	3.313in./84.2mm	48	3698966	4.125in./104.8mm	36
1316540	4.375in./111.1mm	35	1739589	4.625in./117.5mm	38	2258393	3.313in./84.2mm	52	3751841	3.313in./84.2mm	54
1316540	4.375in./111.1mm	33	1821436	3.750in./95.3mm	64	2258613	4.125in./104.8mm	36	3751841	3.313in./84.2mm	48
1316540	4.375in./111.1mm	32	1821436	3.750in./95.3mm	62	2263611	3.125in./79.4mm	26	3751841	3.313in./84.2mm	52
1335001	3.625in./92.1mm	51	1826123	3.313in./84.2mm	54	2264182	3.313in./84.2mm	54	3751841	3.313in./84.2mm	55
1400188	4.750in./120.7mm	39	1826123	3.313in./84.2mm	48	2264182	3.313in./84.2mm	48	3751877	3.375in./85.7mm	60
1400188	4.750in./120.7mm	34	1826123	3.313in./84.2mm	52	2264182	3.313in./84.2mm	52	3751888	3.750in./95.3mm	64
1400718	4.750in./120.7mm	39	1826129	3.313in./84.2mm	54	2264478	3.125in./79.4mm	26	3751888	3.750in./95.3mm	62
1400718	4.750in./120.7mm	34	1826129	3.313in./84.2mm	48	2264478	4.125in./104.8mm	36	3751888-5	3.750in./95.3mm	64
1402538	3.250in./82.6mm	47	1826129	3.313in./84.2mm	52	2264479	4.125in./104.8mm	36	3751888-5	3.750in./95.3mm	62
1402625	3.250in./82.6mm	47	1830276	3.313in./84.2mm	54	2268613	4.125in./104.8mm	36	3769307	4.125in./104.8mm	36
1409421	3.625in./92.1mm	51	1830276	3.313in./84.2mm	48	2463548	3.750in./95.3mm	65	3907804	4.724in./120mm	45
1419421	3.625in./92.1mm	51	1830276	3.313in./84.2mm	52	2465747	3.313in./84.2mm	54	4027169	3.578in./90.8mm	61
1483338	3.250in./82.6mm	47	1851436	3.750in./95.3mm	64	2465747	3.313in./84.2mm	48	4027172	3.375in./85.7mm	60
1491421	3.625in./92.1mm	51	1851436	3.750in./95.3mm	62	2465747	3.313in./84.2mm	52	4027175	3.750in./95.3mm	64
1523335	3.625in./92.1mm	51	1851527	3.375in./85.7mm	60	2482923	3.375in./85.7mm	60	4027175	3.750in./95.3mm	62
1557708	4.625in./117.5mm	35	1851527	3.750in./95.3mm	64	2532457	3.313in./84.2mm	54	4095246	4.125in./104.8mm	36
1557708	4.625in./117.5mm	38	1851527	3.750in./95.3mm	62	2532457	3.313in./84.2mm	58	5214738	3.622in./92mm	14
1617184	3.625in./92.1mm	51	1851527	3.750in./95.3mm	65	2532457	3.313in./84.2mm	55	7501366	4.125in./104.8mm	36
1619647	3.625in./92.1mm	51	1855127	3.750in./95.3mm	64	2543935	4.125in./104.8mm	36	8698461	3.750in./95.3mm	64
1626123	3.313in./84.2mm	54	1855127	3.750in./95.3mm	62	2558393	3.313in./84.2mm	54	8698461	3.750in./95.3mm	62
1626123	3.313in./84.2mm	48	1855127	3.750in./95.3mm	65	2558393	3.313in./84.2mm	55	8698461	3.750in./95.3mm	65
1626123	3.313in./84.2mm	52	1932610	3.250in./82.6mm	47	2656278	3.313in./84.2mm	54	31322302	5.000in./127mm	44
1630270	3.313in./84.2mm	54	1978698	3.750in./95.3mm	64	2656278	3.313in./84.2mm	55	A1D	2.992in./76mm	27
1630270	3.313in./84.2mm	48	1978698	3.750in./95.3mm	62	2658268	3.313in./84.2mm	54	A1D	3.189in./81mm	31
1630270	3.313in./84.2mm	52	2006157	3.750in./95.3mm	65	2658268	3.313in./84.2mm	48	A301	2.992in./76mm	27
1630276	3.313in./84.2mm	54	2121654	3.125in./79.4mm	26	2658268	3.313in./84.2mm	52	A301	3.189in./81mm	31
1630276	3.313in./84.2mm	48	2128278	3.313in./84.2mm	54	2658278	3.313in./84.2mm	54	A-6303	2.992in./76mm	27
1630276	3.313in./84.2mm	52	2128278	3.313in./84.2mm	48	2658278	3.313in./84.2mm	48	A-6303	3.189in./81mm	31
1630432	3.800in./96.5mm	53	2128278	3.313in./84.2mm	52	2658278	3.313in./84.2mm	52	A-6303-A	2.992in./76mm	27
1630937	3.125in./79.4mm	48	2128492	4.125in./104.8mm	36	2658393	3.313in./84.2mm	54	A-6303-A	3.189in./81mm	31
1632077	3.125in./79.4mm	48	2128869	3.313in./84.2mm	54	2658393	3.313in./84.2mm	55	AD	2.992in./76mm	27
1635690	3.625in./92.1mm	51	2128869	3.313in./84.2mm	48	2658998	4.125in./104.8mm	36	AD	3.189in./81mm	31
1635690	3.800in./96.5mm	53	2128869	3.313in./84.2mm	52	2780513	3.750in./95.3mm	65	AY	2.992in./76mm	27
1650270	3.313in./84.2mm	54	2203155	3.375in./85.7mm	60	2780533	3.750in./95.3mm	65	AY	3.189in./81mm	31
1650270	3.313in./84.2mm	48	2203157	3.375in./85.7mm	60	2843868	3.313in./84.2mm	54	B301	2.992in./76mm	27
1650270	3.313in./84.2mm	52	2205554	4.125in./104.8mm	36	2843868	3.313in./84.2mm	48	B301	3.189in./81mm	31
1671108	3.250in./82.6mm	47	2205700	3.313in./84.2mm	54	2843868	3.313in./84.2mm	52	EW	3.465in./88mm	9
1673755	3.906in./99.2mm	63	2205700	3.313in./84.2mm	48	2843935	4.125in./104.8mm	36	G1	3.228in./82mm	1
1731658	3.250in./82.6mm	47	2205700	3.313in./84.2mm	52	2843939	3.125in./79.4mm	26	G1	3.228in./82mm	3
1732557	3.313in./84.2mm	54	2205700	3.313in./84.2mm	58	2843963	4.125in./104.8mm	36	G37	3.504in./89mm	8
1732557	3.125in./79.4mm	48	2205702	3.313in./84.2mm	54	3132302	5.000in./127mm	44	G52	3.543in./90mm	12
1732557	3.313in./84.2mm	48	2205702	3.313in./84.2mm	48	3239611	3.190in./81.03mm	19	G52	3.858in./98mm	12
1732557	3.313in./84.2mm	52	2205702	3.313in./84.2mm	52	3418640	3.578in./90.8mm	61	G52	3.858in./98mm	22
1732559	3.313in./84.2mm	54	2205702	3.313in./84.2mm	58	3418840-2	3.578in./90.8mm	61	G54	3.543in./90mm	12
1732559	3.313in./84.2mm	48	2206157	3.375in./85.7mm	60	3418995	3.578in./90.8mm	61	G54	3.858in./98mm	12
1732559	3.313in./84.2mm	52	2206157	3.750in./95.3mm	64	3462387	3.313in./84.2mm	54	G54	3.858in./98mm	22
1732610	3.313in./84.2mm	54	2206157	3.750in./95.3mm	62	3462387	3.313in./84.2mm	58	GE	3.465in./88mm	9
1732610	3.313in./84.2mm	48	2206158	3.750in./95.3mm	64	3462387	3.313in./84.2mm	55	T3A	2.992in./76mm	27

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	86 CID (1.4L) SOHC "J" Mitsubishi 4 Cyl (1979-1984)				2.913in./74mm x 3.228in./82mm			1
Rod Bearing(4)	AL-3	CB-1278AL	STD.,25mm.,50mm.,75mm	1.6527/1.6535	0.0011/0.0035	0.0588	1.7717/1.7725	0.6940

CHRYSLER (Cont.)

CHRYSLER (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
1 (Cont.)	86 CID (1.4L) SOHC "J" Mitsubishi 4 Cyl (1979-1984)			2.913in./74mm x 3.228in./82mm					1 (Cont.)
Main Bearing Set 1-2-4-5 3	TM-1	MS-1668P MB-3049P MB-3050P(F)	STD.,.25mm,.50mm,.75mm	1.8890/1.8898 1.8890/1.8898	0.0011/0.0034 0.0011/0.0034	0.0783 0.0793	2.0472/2.0480 2.0472/2.0480	0.7520 0.9430	
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing,Partial Grooved Main Bearings									
Main Bearing Set 1-2-4-5 3	TM-1	MS-2075P-.25mm MB-3049P MB-3571P(F)	.50mm	1.8890/1.8898 1.8890/1.8898	0.0011/0.0034 0.0011/0.0034	0.0783 0.0783	2.0472/2.0480 2.0472/2.0480	0.7520 0.9430	
NOTE: All Sizes Contain Standard Length Flanged Bearing,Partial Grooved Main Bearings									
C/S Forging G1									
Connecting Rod 24 To 25 Lbs.Ft. Main Bearing 37 To 39 Lbs.Ft.									
2	92 CID (1.5L) 12 Valve "Q" Mitsubishi 4 Cyl (1991-1996)			2.972in./75.5mm x 3.228in./82mm					2
Rod Bearing(4)	AL-3	CB-1588AL	STD.,.25mm,.50mm	1.6527/1.6535	0.0011/0.0035	0.0588	1.7717/1.7725	0.6100	
Main Bearing Set 1-2-4-5 3	TM-1	MS-1668P MB-3049P MB-3050P(F)	STD.,.25mm,.50mm,.75mm	1.8890/1.8898 1.8890/1.8898	0.0011/0.0034 0.0011/0.0034	0.0783 0.0793	2.0472/2.0480 2.0472/2.0480	0.7520 0.9430	
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing,Partial Grooved Main Bearings									
Main Bearing Set 1-2-4-5 3	TM-1	MS-2075P-.25mm MB-3049P MB-3571P(F)	.50mm	1.8890/1.8898 1.8890/1.8898	0.0011/0.0034 0.0011/0.0034	0.0783 0.0783	2.0472/2.0480 2.0472/2.0480	0.7520 0.9430	
NOTE: All Sizes Contain Standard Length Flanged Bearing,Partial Grooved Main Bearings									
Connecting Rod 24 To 25 Lbs.Ft. Main Bearing 37 To 39 Lbs.Ft.									
3	92 CID (1.5L) SOHC 8 Valve "Q" Fuel Injected Mitsubishi 4 Cyl (1987-1990) 92 CID (1.5L) SOHC Jet Valve "Q" Carbureted Mitsubishi 4 Cyl (1985-1991)			2.972in./75.5mm x 3.228in./82mm 2.972in./75.5mm x 3.228in./82mm					3
Rod Bearing(4) NOTE: Thru 8/88	AL-3	CB-1278AL	STD.,.25mm,.50mm,.75mm	1.6527/1.6535	0.0011/0.0035	0.0588	1.7717/1.7725	0.6940	
Rod Bearing(4) NOTE: From 8/88	AL-3	CB-1588AL	STD.,.25mm,.50mm	1.6527/1.6535	0.0011/0.0035	0.0588	1.7717/1.7725	0.6100	
Main Bearing Set 1-2-4-5 3	TM-1	MS-1668P MB-3049P MB-3050P(F)	STD.,.25mm,.50mm,.75mm	1.8890/1.8898 1.8890/1.8898	0.0011/0.0034 0.0011/0.0034	0.0783 0.0793	2.0472/2.0480 2.0472/2.0480	0.7520 0.9430	
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing,Partial Grooved Main Bearings									
Main Bearing Set 1-2-4-5 3	TM-1	MS-2075P-.25mm MB-3049P MB-3571P(F)	.50mm	1.8890/1.8898 1.8890/1.8898	0.0011/0.0034 0.0011/0.0034	0.0783 0.0783	2.0472/2.0480 2.0472/2.0480	0.7520 0.9430	
NOTE: All Sizes Contain Standard Length Flanged Bearing,Partial Grooved Main Bearings									
C/S Forging G1									
Connecting Rod 24 To 25 Lbs.Ft. Main Bearing 37 To 39 Lbs.Ft.									
4	97 CID (1.6L) OHV Peugeot 4 Cyl (1983-1986)			3.175in./80.65mm x 3.386in./86mm					4
Thrust Washer Set		TW-206S MB-70W(L) MB-70W(U)	STD	2.2401/2.2500 2.2401/2.2500			2.9134/2.9232 2.9134/2.9232	0.0930 0.0930	
NOTE: Contains 2 Pieces, Position Number 3									
Connecting Rod 28 Lbs.Ft. Main Bearing 48 Lbs.Ft.									

CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
5	98 CID (1.6L) DOHC Mitsubishi 4 Cyl (1989-1990)			3.240in./82.3mm x 2.953in./75mm				5
	98 CID (1.6L) DOHC Mitsubishi Turbocharged 4 Cyl (1989)			3.240in./82.3mm x 2.953in./75mm				
	98 CID (1.6L) SOHC Mitsubishi 4 Cyl (1984)			3.028in./76.9mm x 3.386in./86mm				
	98 CID (1.6L) SOHC K & Z Mitsubishi 4 Cyl (1971-1984)			3.028in./76.9mm x 3.386in./86mm				
	98 CID (1.6L) SOHC K & Z Mitsubishi Turbocharged 4 Cyl (1984-1990)			3.028in./76.9mm x 3.386in./86mm				
Rod Bearing(4)	AL-3	CB-1120AL	STD.,25mm.,50mm.,75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250
Main Bearing Set	TM-1	MS-2076P	STD.,25mm.,50mm					
1-2-4-5		MB-2869P		2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	0.9060
3		MB-3572P(F)		2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	1.1400
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Balance Shaft Bearing Set	AL-3	SH-1465S	STD					
RH; Front		SH-1465		1.5344	0.0008/0.0030	0.0593	1.6545	0.7580
RH; LH Rear		SH-1466		1.4164	0.0017/0.0039	0.0589	1.5364	0.6300
Rod Forging	D, F, S, 31							
C/S Forging	4K, 4G1, 4G-3, 4G61, 4K05, 4XCIU, 4XC1-U							
Connecting Rod	23 To 25 Lbs.Ft.							
Main Bearing	36 To 39 Lbs.Ft.							
6	105 CID (1.7L) SOHC Volkswagen 4 Cyl (1978-1983)			3.130in./79.5mm x 3.386in./86mm				6
Rod Bearing(4)	TM-77	CB-1017P	STD.,25mm.,50mm.,75mm	1.8087/1.8094	0.0016/0.0040	0.0593	1.9291/1.9298	0.7480
Main Bearing Set	AL-3	MS-1659P	STD.,25mm.,50mm.,75mm					
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
3		MB-693AL(F)		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
NOTE: Engines Requiring Full Annular Oil Groove In The Number 4 Position, Undersize Sets Contain .10mm Oversize Length Flanged Bearing								
Main Bearing Set	AL-3	MS-2070P-.25mm	.50mm					
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
3		MB-3567P(F)		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
NOTE: Engines Requiring Full Annular Oil Groove In The Number 4 Position, All Sizes Contain Standard Length Flanged Bearing								
Aux. Shaft Bearing Set	B-1	SH-1209S	STD					
1		SH-1209		1.6913/1.6919	0.0011/0.0039	0.0590	1.8110/1.8120	0.5900
2		SH-1210		1.6519/1.6525	0.0011/0.0033	0.0590	1.7716/1.7726	0.5900
7	107 CID (1.8L) 8 Valve (4G37) Mitsubishi 4 Cyl (1989-1992)			3.173in./80.6mm x 3.386in./86mm				7
Rod Bearing(4)	AL-6	CB-1120AL	STD.,25mm.,50mm.,75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250
Main Bearing Set	TM-1	MS-2076P	STD.,25mm.,50mm					
1-2-4-5		MB-2869P		2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	0.9060
3		MB-3572P(F)		2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	1.1400
NOTE: All Sizes Contain Standard Length Flanged Bearing								
C/S Forging	4K, 09N, 1.9, 11M, 30R, 31M, 4G1, 003K, 003N, 10-B, 4G-3, 4G61, 4K05, 1174N, 2NABC, 31-87, 3281N, 4XCIU, 4XC1-U, 2Y68-76, 329880N, 020201A1							
Connecting Rod	23 To 25 Lbs.Ft.							
Main Bearing	36 To 39 Lbs.Ft.							
8	112 CID (1.8L) 16 Valve (4G93) Mitsubishi 4 Cyl (1992-1996)			3.189in./81mm x 3.504in./89mm				8
Rod Bearing(4)	AL-3	CB-1782AL	STD.,25mm.,50mm	1.7709/1.7717	0.0008/0.0034	0.0588	1.8896/1.8904	0.6614
Main Bearing Set	AL-3	MS-2213AL	STD.,25mm.,50mm					
1-2-3-4-5		MB-3767AL		1.9679/1.9685	0.0008/0.0031	0.0785	2.1260/2.1267	0.7531
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-605S								
Thrust Washer Set		TW-605S	STD					
		MB-3763W		2.2047/2.2146			2.9665/2.9764	0.0778
NOTE: Contains 2 Pieces, Position Number 1,Use With Part Number MS-2213AL								
C/S Forging	G37							
9	122 CID (2.0L) 4G63 DOHC Mitsubishi 4 Cyl (1989-1994)			3.346in./85mm x 3.465in./88mm				9
	122 CID (2.0L) 4G63T DOHC TURBO Mitsubishi Turbocharged 4 Cyl (1990-1998)			3.346in./85mm x 3.465in./88mm				
	144 CID (2.4L) 4G64 SOHC 8 Valve Mitsubishi 4 Cyl (1990-1993)			3.405in./86.5mm x 3.937in./100mm				
Rod Bearing(4)	AL-6	CB-1120AL	STD.,25mm.,50mm.,75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250
NOTE: Thru 3/92								
Rod Bearing(4)	TM-77	CB-1643P	STD.,25mm.,50mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.8010
NOTE: From 4/92								

CHRYSLER (Cont.)

CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
9 (Cont.)	122 CID (2.0L) 4G63 DOHC Mitsubishi 4 Cyl (1989-1994)			3.346in./85mm x 3.465in./88mm				9 (Cont.)
	122 CID (2.0L) 4G63T DOHC TURBO Mitsubishi Turbocharged 4 Cyl (1990-1998)			3.346in./85mm x 3.465in./88mm				
	144 CID (2.4L) 4G64 SOHC 8 Valve Mitsubishi 4 Cyl (1990-1993)			3.405in./86.5mm x 3.937in./100mm				
Main Bearing Set 1-2-4-5 3	TM-1	MS-2039P MB-3504P MB-3505P(F)	STD.,25mm.,50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.8050 1.0040
NOTE: From 4/92, All Sizes Contain Standard Length Flanged Bearing								
Main Bearing Set 1-2-4-5 3	TM-1	MS-2076P MB-2869P MB-3572P(F)	STD.,25mm.,50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.9060 1.1400
NOTE: Thru 3/92, All Sizes Contain Standard Length Flanged Bearing								
Balance Shaft Bearing Set LH; Rear RH; Front RH; Rear	AL-3	SH-1469S SH-1468 SH-1467 SH-1469	STD	1.6129 1.6526 1.6129	0.0010/0.0031 0.0010/0.0031 0.0010/0.0031	0.0589 0.0593 0.0589	1.7333 1.7726 1.7333	0.8268 0.7480 0.8268
C/S Forging 4A, 6M, EW, GE, 3YA, 40F, 4AC, 4AL, 6-H, 6AM, 77A, 7HA, 407N, 45-T, 63GC, 63GU, 74TM, 76TM, 78TM, 81-K, 4196N, 63-GC, 65-RU, 69-GU, 7243N, 78TM-CA, 7HA-6303								
Connecting Rod	23 To 25 Lbs.Ft.							
Main Bearing	36 To 39 Lbs.Ft.							
10	122 CID (2.0L) DOHC 4 Cyl (1995-1999)			3.445in./87.5mm x 3.268in./83mm				10
	122 CID (2.0L) SOHC 4 Cyl (1995-2003)			3.445in./87.5mm x 3.268in./83mm				
Rod Bearing(4)	TM-77	CB-1635P	STD.,25mm.,50mm	1.8894/1.8900	0.0010/0.0023	0.0584	2.0075/2.0081	0.8060
Rod Bearing(4)	TM-77	CB-1788P-.25mm	.50mm	1.8894/1.8900	0.0006/0.0028	0.0594	2.0095/2.0101	0.8060
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	TM-77	MS-2028P MB-4001P MB-4000P(F)	STD.,25mm.,50mm	2.0469/2.0475 2.0469/2.0475	0.0008/0.0024 0.0008/0.0024	0.0782 0.0784	2.2046/2.2050 2.2046/2.2050	0.7860 1.0340
NOTE: 1995 Bearing Caps May Require Notching								
C/S Forging 4K, 4G1, 4G-3, 4G61, 4K05, 4XCIU, 4XC1-U								
Connecting Rod	20 Lbs.Ft. Plus 90 Degrees							
11	122 CID (2.0L) SOHC "A" Mitsubishi 4 Cyl (1983-1992)			3.346in./85mm x 3.465in./88mm				11
	Rod Bearing(4)	AL-6	CB-1120AL	STD.,25mm.,50mm.,75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	
NOTE: Thru 3/92								
Rod Bearing(4)	TM-77	CB-1643P	STD.,25mm.,50mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.8010
NOTE: From 4/92								
Main Bearing Set 1-2-4-5 3	TM-1	MS-2039P MB-3504P MB-3505P(F)	STD.,25mm.,50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.8050 1.0040
NOTE: From 4/92, All Sizes Contain Standard Length Flanged Bearing								
Main Bearing Set 1-2-4-5 3	TM-1	MS-2076P MB-2869P MB-3572P(F)	STD.,25mm.,50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.9060 1.1400
NOTE: Thru 3/92, All Sizes Contain Standard Length Flanged Bearing								
Balance Shaft Bearing Set RH; Front RH; LH Rear	AL-3	SH-1467S SH-1467 SH-1468	STD	1.6526 1.6129	0.0010/0.0031 0.0010/0.0031	0.0593 0.0589	1.7726 1.7333	0.7480 0.8268
NOTE: Thru 7/85								
Balance Shaft Bearing Set LH; Rear RH; Front RH; Rear	AL-3	SH-1469S SH-1468 SH-1467 SH-1469	STD	1.6129 1.6526 1.6129	0.0010/0.0031 0.0010/0.0031 0.0010/0.0031	0.0589 0.0593 0.0589	1.7333 1.7726 1.7333	0.8268 0.7480 0.8268
NOTE: From 8/85								
Connecting Rod	23 To 25 Lbs.Ft.							
Main Bearing	36 To 39 Lbs.Ft.							
12	122 CID/1997CC (2.0L) SOHC "U" Mitsubishi 4 Cyl (1974-1982)			3.307in./84mm x 3.543in./90mm				12
	156 CID (2.6L) SOHC "F" Mitsubishi 4 Cyl (1978-1987)			3.587in./91.1mm x 3.858in./98mm				
Rod Bearing(4)	AL-3	CB-1220P	STD.,25mm.,50mm.,75mm,1.00mm	2.0858/2.0866	0.0005/0.0028	0.0590	2.2047/2.2055	0.9840

CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
12 (Cont.)	122 CID/1997CC (2.0L) SOHC "U" Mitsubishi 4 Cyl (1974-1982)			3.307in./84mm x 3.543in./90mm				12 (Cont.)
	156 CID (2.6L) SOHC "F" Mitsubishi 4 Cyl (1978-1987)			3.587in./91.1mm x 3.858in./98mm				
Main Bearing Set 1-2-4-5 3	TM-1	MS-1430P MB-2751P MB-2752P(F)	STD.,.25mm,.50mm,.75mm	2.5976/2.5984 2.5976/2.5984	0.0010/0.0037 0.0010/0.0037	0.0782 0.0782	2.7559/2.7567 2.7559/2.7567	0.9840 1.2190
NOTE: Thru 7/78, .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing								
Main Bearing Set 1-2-4-5 3	AL-3	MS-1945AL MB-3053AL MB-3339AL(F)	STD.,.25mm,.50mm,.75mm	2.3614/2.3622 2.3614/2.3622	0.0011/0.0037 0.0011/0.0037	0.0783 0.0783	2.5197/2.5205 2.5197/2.5205	0.9890 1.2190
NOTE: From 8/78, All Sizes Contain Standard Length Flanged Bearing								
Main Bearing Set 1-2-4-5 3	TM-1	MS-2069P-.25mm MB-2751P MB-3566P(F)	.50mm	2.5976/2.5984 2.5976/2.5984	0.0010/0.0037 0.0010/0.0037	0.0782 0.0782	2.7559/2.7567 2.7559/2.7567	0.9840 1.2190
NOTE: Thru 7/78, All Sizes Contain Standard Length Flanged Bearing								
Aux. Shaft Bearing Set Left Front Left/Right Rear	AL-3	SH-1429S SH-1760 SH-1429	STD.,.25mm	0.9039/0.9047 1.6933/1.6939	0.0008/0.0034 0.0013/0.0037	0.0593 0.0585	1.0236/1.0244 1.8122/1.8130	0.7090 0.7950
NOTE: Left Front Bushing Only Available In Std Size Even In Undersize Set Due To Small Shaft Diameter,Requires Boring The Left Front Balance Shaft Housing To 1.0236"/1.0244" Outside Diameter								
C/S Forging G52, G54								
Connecting Rod 33 To 34 Lbs.Ft. Main Bearing 55 To 61 Lbs.Ft.								
13	132 CID (2.2L) J7T Renault 4 Cyl (1988-1989)			3.465in./88mm x 3.504in./89mm				13
Rod Bearing(4)	AL-3	CB-1311AL	STD.,.25mm	2.2152/2.2160	0.0017/0.0043	0.0725	2.3622/2.3630	0.8170
Main Bearing Set 1-2-3-4-5	AL-3	MS-1604AL MB-2948AL	STD.,.25mm	2.4753/2.4761	0.0005/0.0031	0.0742	2.6247/2.6255	0.9250
Thrust Washer Set		TW-343S MB-2779W	STD	2.8031/2.8130			3.4583/3.4681	0.1120
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1604AL								
Connecting Rod 46 Lbs.Ft. Main Bearing 69 Lbs.Ft.								
14	135 CID (2.2L) DOHC Turbocharged 4 Cyl (1991-1993) 135 CID (2.2L) DOHC Maserati Turbocharged 4 Cyl (1989-1990) 135 CID (2.2L) SOHC 4 Cyl (1981-1994) 135 CID (2.2L) SOHC Turbocharged 4 Cyl (1984-1990)			3.445in./87.5mm x 3.622in./92mm 3.445in./87.5mm x 3.622in./92mm 3.445in./87.5mm x 3.622in./92mm 3.445in./87.5mm x 3.622in./92mm				14
Rod Bearing(4)	TM-77	CB-1269P	STD.,.026mm,.25mm,.50mm,.75mm,1.00mm	1.9677/1.9687	0.0008/0.0034	0.0584	2.0863/2.0869	0.7930
Main Bearing Set 1-2-4-5 3	TM-77	MS-1533P MB-2863P MB-2864P(F)	STD.,.026mm,.25mm,.50mm,.75mm	2.3617/2.3627 2.3617/2.3627	0.0008/0.0033 0.0008/0.0033	0.0781 0.0781	2.5194/2.5202 2.5194/2.5202	0.8510 1.0970
Aux. Shaft Bearing Set Front Rear	AL-3	SH-1326S SH-1326 SH-1256	STD	1.6799/1.6809 0.7744/0.7753	0.0013/0.0031 0.0013/0.0031	0.0640 0.0640	1.8098/1.8122 0.9045/0.9065	0.7680 0.8740
Rod Forging 218LW, 5203385 C/S Forging 3A, 3B, 3E, 3H, 5A, 3AC, 3AH, 3KC, 3SF, 5AK, 6AM, 63GC, 63GU, 59-PK, 63-GC, 65-RU, 69-GU, 5G9-37, 5214738								
Connecting Rod 40 Lbs.Ft. Plus 90 Degrees Main Bearing 30 Lbs.Ft. Plus 90 Degrees								
15	143 CID (2.3L) SOHC Mitsubishi Turbocharged Diesel 4 Cyl (1983-1985)			3.587in./91.1mm x 3.543in./90mm				15
Rod Bearing(4)	AL-3	CB-1220P	STD.,.25mm,.50mm,.75mm,1.00mm	2.0858/2.0866	0.0005/0.0028	0.0590	2.2047/2.2055	0.9840
Main Bearing Set 1-2-4-5 3	TM-1	MS-1430P MB-2751P MB-2752P(F)	STD.,.25mm,.50mm,.75mm	2.5976/2.5984 2.5976/2.5984	0.0010/0.0037 0.0010/0.0037	0.0782 0.0782	2.7559/2.7567 2.7559/2.7567	0.9840 1.2190
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing								

CHRYSLER (Cont.)

COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)									
15 (Cont.)	143 CID (2.3L) SOHC Mitsubishi Turbocharged Diesel 4 Cyl (1983-1985)				3.587in./91.1mm x 3.543in./90mm				15 (Cont.)
Main Bearing Set 1-2-4-5 3	TM-1	MS-2069P-.25mm MB-2751P MB-3566P(F)	.50mm		2.5976/2.5984 2.5976/2.5984	0.0010/0.0037 0.0010/0.0037	0.0782 0.0782	2.7559/2.7567 2.7559/2.7567	0.9840 1.2190
NOTE: All Sizes Contain Standard Length Flanged Bearing									
Connecting Rod Main Bearing	33 To 34 Lbs.Ft. 55 To 61 Lbs.Ft.								
16	144 CID (2.4L) 4G64 SOHC 16 Valve Mitsubishi 4 Cyl (1993-1996)				3.405in./86.5mm x 3.937in./100mm				16
Rod Bearing(4)	TM-77	CB-1643P	STD,.25mm,.50mm		1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.8010
Main Bearing Set 1-2-4-5 3	TM-1	MS-2039P MB-3504P MB-3505P(F)	STD,.25mm,.50mm		2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.8050 1.0040
Balance Shaft Bearing Set LH; Rear RH; Front RH; Rear	AL-3	SH-1469S SH-1468 SH-1467 SH-1469	STD		 1.6129 1.6526 1.6129	 0.0010/0.0031 0.0010/0.0031 0.0010/0.0031	 0.0589 0.0593 0.0589	 1.7333 1.7726 1.7333	 0.8268 0.7480 0.8268
Connecting Rod Main Bearing	23 To 25 Lbs.Ft. 36 To 39 Lbs.Ft.								
17	148 CID/2429CC (2.4L) DOHC 4 Cyl (1995-2004)				3.445in./87.5mm x 3.976in./101mm				17
Rod Bearing(4) To Be Replaced By CB-1813P	TM-77	CB-1668P	STD,.25mm,.50mm		1.9677/1.9687	0.0008/0.0034	0.0584	2.0863/2.0869	0.7930
Rod Bearing(4) NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1817P-.25mm	.50mm		1.9677/1.9687	0.0008/0.0034	0.0594	2.0883/2.0889	0.7930
Main Bearing Set 1-2-4-5 3	TM-77	MS-2201P MB-3594P MB-3595P(F)	STD,.25mm,.50mm		2.3617/2.3627 2.3617/2.3627	0.0005/0.0029 0.0005/0.0029	0.0781 0.0781	2.5194/2.5202 2.5194/2.5202	0.8510 1.0970
18	148 CID/2429CC (2.4L) DOHC Turbocharged/Intercooled 4 Cyl (2003-2004)				3.445in./87.5mm x 3.976in./101mm				18
Rod Bearing(4)	TM-77	CB-1813P	STD,.25mm,.50mm		1.9677/1.9687	0.0008/0.0034	0.0584	2.0863/2.0869	0.7930
Rod Bearing(4) NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1817P-.25mm	.50mm		1.9677/1.9687	0.0008/0.0034	0.0594	2.0883/2.0889	0.7930
19	150 CID (2.5L) Jeep 4 Cyl (1996-2002)				3.875in./98.4mm x 3.190in./81.03mm				19
Rod Bearing(4)	TM-77	CB-960P	STD,1,2,10,20,30,40		2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set 1-3-4-5 2	TM-77	MS-1948P MB-3337P MB-3338P(F)	STD,10,20,30		2.4996/2.5001 2.4996/2.5001	0.0006/0.0031 0.0003/0.0028	0.0953 0.0953	2.6910/2.6920 2.6910/2.6920	0.9860 1.2700
Cam Bearing Set 1 2 3 4	B-1	SH-1980S SH-1980 SH-550 SH-551 SH-552	STD		2.0295/2.0305 2.0195/2.0205 2.0095/2.0105 1.9995/2.0005	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0620 0.0620 0.0620 0.0620	2.1555/2.1565 2.1455/2.1465 2.1355/2.1365 2.1255/2.1265	0.6950 0.7050 0.7050 0.7050
C/S Forging	3239611								
Connecting Rod Main Bearing	33 Lbs.Ft. 80 Lbs.Ft.								
20	150 CID (2.5L) SOHC Renault 4 Cyl (1988-1989)				3.875in./98.4mm x 3.190in./81.03mm				20
Rod Bearing(4)	TM-77	CB-960P	STD,1,2,10,20,30,40		2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set 1-3-4-5 2	TM-77	MS-1568P MB-2263P MB-2264P(F)	STD,10,20,30,40		2.4996/2.5001 2.4996/2.5001	0.0006/0.0031 0.0006/0.0031	0.0953 0.0953	2.6910/2.6920 2.6910/2.6920	0.9860 1.2700
Cam Bearing Set 1 2 3 4	B-1	SH-1980S SH-1980 SH-550 SH-551 SH-552	STD		2.0295/2.0305 2.0195/2.0205 2.0095/2.0105 1.9995/2.0005	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0620 0.0620 0.0620 0.0620	2.1555/2.1565 2.1455/2.1465 2.1355/2.1365 2.1255/2.1265	0.6950 0.7050 0.7050 0.7050

CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
21	153 CID (2.5L) SOHC 4 Cyl (1986-1995)			3.445in./87.5mm x 4.094in./104mm				21
	153 CID (2.5L) SOHC Turbocharged 4 Cyl (1989-1992)			3.445in./87.5mm x 4.094in./104mm				
	153 CID (2.5L) SOHC Flex 4 Cyl (1993-1994)			3.445in./87.5mm x 4.094in./104mm				
Rod Bearing(4)	TM-77	CB-1269P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	1.9677/1.9687	0.0008/0.0034	0.0584	2.0863/2.0869	0.7930
Main Bearing Set 1-2-4-5	TM-77	MS-1533P	STD,.026mm,.25mm,.50mm,.75mm	2.3617/2.3627	0.0008/0.0033	0.0781	2.5194/2.5202	0.8510
3		MB-2863P MB-2864P(F)		2.3617/2.3627	0.0008/0.0033	0.0781	2.5194/2.5202	1.0970
Aux. Shaft Bearing Set	AL-3	SH-1326S	STD					
Front		SH-1326		1.6799/1.6809	0.0013/0.0031	0.0640	1.8098/1.8122	0.7680
Rear		SH-1256		0.7744/0.7753	0.0013/0.0031	0.0640	0.9045/0.9065	0.8740
Balance Shaft Bearing(2)	AL-3	SH-1403-SEMI						
		SH-1403		1.6560/1.6570	0.0018/0.0025	0.0790	1.7860/1.7870	0.8860
Connecting Rod	40 Lbs.Ft. Plus 90 Degrees							
Main Bearing	30 Lbs.Ft. Plus 90 Degrees							
22	156 CID (2.6L) SOHC "F" Mitsubishi Turbocharged 4 Cyl (1984-1987)			3.587in./91.1mm x 3.858in./98mm				22
	156 CID (2.6L) SOHC "F" Mitsubishi Turbocharged/Intercooled 4 Cyl (1985-1989)			3.587in./91.1mm x 3.858in./98mm				
	156 CID (2.6L) SOHC "W" Mitsubishi 4 Cyl (1979-1989)			3.590in./91.2mm x 3.858in./98mm				
Rod Bearing(4)	AL-3	CB-1220P	STD,.25mm,.50mm,.75mm,1.00mm	2.0858/2.0866	0.0005/0.0028	0.0590	2.2047/2.2055	0.9840
Main Bearing Set 1-2-4-5	AL-3	MS-1945AL	STD,.25mm,.50mm,.75mm	2.3614/2.3622	0.0011/0.0037	0.0783	2.5197/2.5205	0.9890
3		MB-3053AL MB-3339AL(F)		2.3614/2.3622	0.0011/0.0037	0.0783	2.5197/2.5205	1.2190
Aux. Shaft Bearing Set	AL-3	SH-1429S	STD,.25mm					
Left Front		SH-1760		0.9039/0.9047	0.0008/0.0034	0.0593	1.0236/1.0244	0.7090
Left/Right Rear		SH-1429		1.6933/1.6939	0.0013/0.0037	0.0585	1.8122/1.8130	0.7950
NOTE: Left Front Bushing Only Available In Std Size Even In Undersize Set Due To Small Shaft Diameter,Requires Boring The Left Front Balance Shaft Housing To 1.0236"/1.0244" Outside Diameter								
C/S Forging	G52, G54							
Connecting Rod	33 To 34 Lbs.Ft.							
Main Bearing	55 To 61 Lbs.Ft.							
6 CYL								
23	2497CC (2.5L) EEB Mitsubishi V6 Cyl (1995-2000)			3.290in./83.5mm x 2.992in./76mm				23
Rod Bearing(6)	TM-77	CB-1411P	STD,.25mm,.50mm,.75mm	1.9677/1.9685	0.0009/0.0027	0.0587	2.0866/2.0868	0.6120
Main Bearing Set 1-2-3-4	TM-1	MS-2239P	STD,.25mm,.50mm	2.3614/2.3622	0.0008/0.0034	0.0783	2.5197/2.5205	0.7140
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-458S								
Thrust Washer Set		TW-458S	STD					
		MB-3108W(L)		2.5984/2.6083			3.0492/3.0594	0.0778
		MB-3108W(U)		2.5984/2.6083			3.0492/3.0594	0.0778
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2239P								
Connecting Rod	37 Lbs.Ft.							
Main Bearing	69 Lbs.Ft.							
24	167 CID/2736CC (2.7L) DOHC V6 Cyl (1998-2005)			3.386in./86mm x 3.091in./78.5mm				24
Rod Bearing(6)	TM-77	CB-1670P	STD,.25mm,.50mm,.75mm	2.1059/2.1067	0.0006/0.0030	0.0584	2.2241/2.2247	0.6870
Rod Bearing(6)	TM-77	CB-1787P-.25mm	.50mm	2.1059/2.1067	0.0006/0.0030	0.0594	2.2261/2.2267	0.6870
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4	TM-77	MS-2209P	STD,.25mm,.50mm,.75mm	2.4997/2.5004	0.0004/0.0029	0.1078	2.7161/2.7169	0.7370
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-606S								
Thrust Washer Set		TW-606S	STD					
		MB-3768W		0.2816			3.5700	0.0806
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-2209P								
Piston Pin Bushing(6)	C-1	223-3654	STD			0.0533	0.9432/0.9451	0.8750
NOTE: 1998-2002, Requires Light Reaming								

CHRYSLER (Cont.)

CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
24 (Cont.)	167 CID/2736CC (2.7L) DOHC V6 Cyl (1998-2005)			3.386in./86mm x 3.091in./78.5mm				24 (Cont.)
Connecting Rod	20 Lbs.Ft. Plus 90 Degrees							
Main Bearing	15 Lbs.Ft. Plus 90 Degrees (Inner Bolts)							
Main Bearing	20 Lbs.Ft. Plus 90 Degrees (Outer Bolts)							
25	167 CID/2736CC (2.7L) DOHC Flex V6 Cyl (2003)			3.386in./86mm x 3.091in./78.5mm				25
Rod Bearing(6)	TM-77	CB-1670P	STD,.25mm,.50mm,.75mm	2.1059/2.1067	0.0006/0.0030	0.0584	2.2241/2.2247	0.6870
Rod Bearing(6)	TM-77	CB-1787P-.25mm	.50mm	2.1059/2.1067	0.0006/0.0030	0.0594	2.2261/2.2267	0.6870
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4	TM-77	MS-2209P MB-3596P	STD,.25mm,.50mm,.75mm	2.4997/2.5004	0.0004/0.0029	0.1078	2.7161/2.7169	0.7370
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-606S								
Thrust Washer Set		TW-606S MB-3768W	STD	0.2816			3.5700	0.0806
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-2209P								
Piston Pin Bushing(6)	C-1	223-3654	STD			0.0533	0.9432/0.9451	0.8750
NOTE: Requires Light Reaming								
Connecting Rod	20 Lbs.Ft. Plus 90 Degrees							
Main Bearing	15 Lbs.Ft. Plus 90 Degrees (Inner Bolts)							
Main Bearing	20 Lbs.Ft. Plus 90 Degrees (Outer Bolts)							
26	170 CID (2.8L) OHV 6 Cyl (1960-1969) 198 CID (3.2L) OHV 6 Cyl (1970-1974)			3.400in./86.4mm x 3.125in./79.4mm 3.400in./86.4mm x 3.641in./92.5mm				26
Rod Bearing(6)	TM-77	CB-606G	STD,1,10,20,30,40,60	2.1865/2.1875	0.0007/0.0028	0.0624	2.3125/2.3130	0.9900
NOTE: Forged Crankshaft								
Main Bearing Set 1	TM-77	MS-517P MB-1999P	STD,10,20,30,40	2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.0390
2-4		MB-2001P		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.0390
3		MB-2000P(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.2550
NOTE: Forged Crankshaft								
Cam Bearing Set 1	B-1	SH-874S SH-874	STD	1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.9300
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-424		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.7600
4		SH-425		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
Piston Pin Bushing(6)	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400
NOTE: Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400
NOTE: Requires Boring								
Rod Forging	15140, 15134N, 1947167, 1947952, 2205554, 2951260							
C/S Forging	2121654, 2263611, 2264478, 2843939							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
27	181 CID (3.0L) DOHC Mitsubishi V6 Cyl (1991-1996) 181 CID (3.0L) DOHC Mitsubishi Turbocharged V6 Cyl (1991-1996) 181 CID (3.0L) SOHC Mitsubishi V6 Cyl (1987-2000)			3.587in./91.1mm x 2.992in./76mm 3.587in./91.1mm x 2.992in./76mm 3.587in./91.1mm x 2.992in./76mm				27
Rod Bearing(6)	TM-77	CB-1411P	STD,.25mm,.50mm,.75mm	1.9677/1.9685	0.0009/0.0027	0.0587	2.0866/2.0868	0.6120
Main Bearing Set 1-2-3-4	TM-77	MS-1720P MB-3108P	STD,.25mm,.50mm,.75mm	2.3614/2.3622	0.0007/0.0034	0.0784	2.5197/2.5204	0.7120
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-458S To Be Replaced By MS-2226P								
Main Bearing Set 1-2-3-4	TM-77	MS-2226P MB-3791P	STD,.25mm,.50mm,.75mm	2.3614/2.3622	0.0007/0.0034	0.0784	2.5197/2.5204	0.7120
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-458S								
Thrust Washer Set		TW-458S MB-3108W(L) MB-3108W(U)	STD	2.5984/2.6083 2.5984/2.6083			3.0492/3.0594 3.0492/3.0594	0.0778 0.0778
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1720P, MS-2226P								

CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
27 (Cont.)	181 CID (3.0L) DOHC Mitsubishi V6 Cyl (1991-1996)				3.587in./91.1mm x 2.992in./76mm			27 (Cont.)
	181 CID (3.0L) DOHC Mitsubishi Turbocharged V6 Cyl (1991-1996)				3.587in./91.1mm x 2.992in./76mm			
	181 CID (3.0L) SOHC Mitsubishi V6 Cyl (1987-2000)				3.587in./91.1mm x 2.992in./76mm			
Rod Forging	72G, 72W							
C/S Forging	AD, AY, 09N, 1.9, 11M, 19N, A1D, T3A, 003K, 003N, 10-B, A301, B301, 1174N, 97TM-, A-6303, 96TM-AA, 020201A1, A-6303-A							
Connecting Rod	38 Lbs.Ft.							
Main Bearing	60 Lbs.Ft.							
28	181 CID/2972CC (3.0L) EF7 SOHC Mitsubishi V6 Cyl (2001-2003)				3.587in./91.1mm x 2.992in./76mm			28
Rod Bearing(6)	TM-77	CB-1411P	STD.,25mm.,50mm.,75mm	1.9677/1.9685	0.0009/0.0027	0.0587	2.0866/2.0868	0.6120
29	197 CID (3.2L) EGW SOHC V6 Cyl (1998-2001)				3.622in./92mm x 3.307in./84mm			29
Rod Bearing(6)	TM-77	CB-1669P	STD.,25mm.,50mm	2.2826/2.2837	0.0008/0.0034	0.0584	2.4013/2.4018	0.6840
Main Bearing Set	TM-77	MS-2210P	STD.,25mm.,50mm	2.5190/2.5200	0.0003/0.0033	0.1078	2.7160/2.7170	0.6900
1-2-3-4		MB-3597P						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-606S								
Thrust Washer Set		TW-606S	STD	0.2816			3.5700	0.0806
		MB-3768W						
NOTE: Contains 2 Pieces, Position Number 2, Use With Part Number MS-2210P								
30	201 CID (3.3L) V6 Cyl (1990-2002)				3.661in./93mm x 3.189in./81mm			30
	201 CID (3.3L) CNG V6 Cyl (1994-1996)				3.661in./93mm x 3.189in./81mm			
	201 CID (3.3L) Flex V6 Cyl (1994-1995)				3.661in./93mm x 3.189in./81mm			
	201 CID (3.3L) EGM Flex V6 Cyl (1998-2002)				3.661in./93mm x 3.189in./81mm			
	230 CID (3.8L) V6 Cyl (1991-2005)				3.780in./96mm x 3.425in./87mm			
Rod Bearing(6)	TM-77	CB-1410P	STD.,25mm.,50mm.,75mm	2.2830/2.2840	0.0005/0.0022	0.0584	2.4013/2.4018	0.6510
Main Bearing Set	TM-77	MS-1946P	STD.,25mm.,50mm.,75mm	2.5192/2.5202	0.0005/0.0020	0.0781	2.6769/2.6777	0.6940
1-3-4		MB-3340P						
2		MB-3107P(F)		2.5192/2.5202	0.0005/0.0020	0.0781	2.6769/2.6777	0.9400
Cam Bearing Set	AL-3	SH-1405S	STD	1.9970/1.9990 1.9800/1.9820 1.9650/1.9670 1.9500/1.9520	0.0010/0.0040	0.0645 0.0648 0.0658 0.0648	2.1295/2.1305 2.1135/2.1145 2.0985/2.0995 2.0825/2.0835	0.9400 0.6200 0.6200 0.6200
1		SH-1405						
2		SH-1406						
3		SH-1407						
4		SH-1408						
NOTE: 1990-2002								
Rod Forging	4448903							
C/S Forging	3654							
Connecting Rod	40 Lbs.Ft. Plus 90 Degrees							
Main Bearing	30 Lbs.Ft. Plus 90 Degrees							
31	215 CID (3.5L) SOHC V6 Cyl (1993-2005)				3.780in./96mm x 3.189in./81mm			31
Rod Bearing(6)	TM-77	CB-1410P	STD.,25mm.,50mm.,75mm	2.2830/2.2840	0.0005/0.0022	0.0584	2.4013/2.4018	0.6510
NOTE: 1993-1997								
Rod Bearing(6)	TM-77	CB-1669P	STD.,25mm.,50mm	2.2826/2.2837	0.0008/0.0034	0.0584	2.4013/2.4018	0.6840
NOTE: 1999-2005								
Main Bearing Set	TM-77	MS-2010P	STD.,25mm.,50mm.,75mm	2.5192/2.5202 2.5192/2.5202	0.0005/0.0020 0.0005/0.0020	0.0781 0.0781	2.6769/2.6777 2.6769/2.6777	0.6940 0.9410
1-3-4		MB-3340P						
2		MB-3471P(F)						
NOTE: 1993-1997								
Main Bearing Set	TM-77	MS-2210P	STD.,25mm.,50mm	2.5190/2.5200	0.0003/0.0033	0.1078	2.7160/2.7170	0.6900
1-2-3-4		MB-3597P						
NOTE: 1999-2003, Requires Thrust Washer Set, Not Included, Use With Part Number TW-606S								
Thrust Washer Set		TW-606S	STD	0.2816			3.5700	0.0806
		MB-3768W						
NOTE: 1999-2003, Contains 2 Pieces, Position Number 2, Use With Part Number MS-2210P								
Piston Pin Bushing(6)	C-1	223-3618	STD			0.0490	1.0140/1.0150	0.8500
NOTE: 1993-1997, Requires Boring								
C/S Forging	AD, AY, A1D, A301, B301, 97TM-, A-6303, 96TM-AA, A-6303-A							
Connecting Rod	40 Lbs.Ft. Plus 90 Degrees							
Main Bearing	30 Lbs.Ft. Plus 90 Degrees							

CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
32	218 CID (3.6L) 5/5A/6/6A/30/31 6 Cyl (1942-1954)			3.250in./82.6mm x 4.375in./111.1mm				32
Rod Bearing(6)	TM-77	CB-60G	STD,10,20,30,40,50,60	2.0615/2.0625	0.0006/0.0027	0.0525	2.1675/2.1680	1.0050
Main Bearing Set	TM-77	MS-523P-10	20,30					
1		MB-2011P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.2400
2-3		MB-2012P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.0360
4		MB-122P(F)		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-23S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-24		1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820
3		SH-25		1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Boring, 1.066" Outside Diameter								
Piston Pin Bushing(6)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	9300, 9410, 617925, 868896, 952118, 954371, 954408, 1554471, 1554530							
C/S Forging	620035, 856080, 864719, 952068, 1316540							
Connecting Rod	45 To 50 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	50 To 75 Lbs.Ft. (7/16" Bolts)							
Main Bearing	80 To 85 Lbs.Ft.							
33	218 CID (3.6L) L-Head 6 Cyl (1934-1954)			3.250in./82.6mm x 4.375in./111.1mm				33
Rod Bearing(6)	TM-77	CB-60G	STD,10,20,30,40,50,60	2.0615/2.0625	0.0006/0.0027	0.0525	2.1675/2.1680	1.0050
Main Bearing Set	TM-77	MS-523P-10	20,30					
1		MB-2011P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.2400
2-3		MB-2012P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.0360
4		MB-122P(F)		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-23S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-24		1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820
3		SH-25		1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, .919" Outside Diameter								
Piston Pin Bushing(6)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	9300, 9410, 617925, 868896, 952118, 954408, 1554471, 1554530							
C/S Forging	620035, 856080, 864719, 952068, 1316540							
Connecting Rod	45 To 50 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	50 To 75 Lbs.Ft. (7/16" Bolts)							
Main Bearing	80 To 85 Lbs.Ft.							
34	218 CID (3.6L) L-Head (Canadian) 6 Cyl (1938-1954) 237 CID (3.9L) L-Head DeSoto 6 Cyl (1942-1950) 242 CID (4.0L) L-Head Dodge 6 Cyl (1938-1941) 251 CID (4.1L) L-Head 6 Cyl (1942-1954) 265 CID (4.3L) L-Head 6 Cyl (1951-1954)			3.375in./85.7mm x 4.063in./103.2mm 3.438in./87.3mm x 4.250in./108mm 3.375in./85.7mm x 4.500in./114.3mm 3.438in./87.33mm x 4.500in./114.3mm 3.438in./87.33mm x 4.750in./120.7mm				34
Rod Bearing(6)	TM-77	CB-90P	STD,1,10,20,30,40,C60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	1.0850
Main Bearing Set	TM-77	MS-107P	STD,10,20					
1-2-3		MB-327P		2.4995/2.5005	0.0011/0.0036	0.0776	2.6565/2.6570	1.1810
4		MB-328P(F)		2.4995/2.5005	0.0017/0.0042	0.0774	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-37S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-37		1.9665/1.9675	0.0005/0.0045	0.0652	2.0985/2.0995	1.0700
3		SH-38		1.9350/1.9360	0.0005/0.0044	0.0653	2.0670/2.0680	1.0690
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming								

CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
34 (Cont.)	218 CID (3.6L) L-Head (Canadian) 6 Cyl (1938-1954)			3.375in./85.7mm x 4.063in./103.2mm				34 (Cont.)
	237 CID (3.9L) L-Head DeSoto 6 Cyl (1942-1950)			3.438in./87.3mm x 4.250in./108mm				
	242 CID (4.0L) L-Head Dodge 6 Cyl (1938-1941)			3.375in./85.7mm x 4.500in./114.3mm				
	251 CID (4.1L) L-Head 6 Cyl (1942-1954)			3.438in./87.33mm x 4.500in./114.3mm				
	265 CID (4.3L) L-Head 6 Cyl (1951-1954)			3.438in./87.33mm x 4.750in./120.7mm				
Piston Pin Bushing(6)	B	223-3605	STD	0.0425 0.9130/0.9140 1.1250				
NOTE: Requires Boring								
Rod Forging	665679, 666746, 954418, 954428, 954448, 1400244							
C/S Forging	665792, 666739, 673498, 762706, 863706, 864718, 870715, 870744, 1400188, 1400718							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
35	218 CID (3.6L) T112,T125,T128 6 Cyl			3.250in./82.6mm x 4.375in./111.1mm				35
	230 CID (3.8L) HT931,Ind 30,Ind 31,Ind 6,Ind 6A,Ind 931 6 Cyl (1942-1960)			3.250in./82.6mm x 4.625in./117.5mm				
	230 CID (3.8L) T116 6 Cyl			3.250in./82.6mm x 4.625in./117.5mm				
Rod Bearing(6)	TM-77	CB-60G	STD,10,20,30,40,50,60	2.0615/2.0625	0.0006/0.0027	0.0525	2.1675/2.1680	1.0050
Main Bearing Set	TM-77	MS-523P-10	20,30					
1		MB-2011P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.2400
2-3		MB-2012P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.0360
4		MB-122P(F)		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-23S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-24		1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820
3		SH-25		1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820
Piston Pin Bushing(6)	B	223-3349	STD	0.0325 0.9130/0.9140 1.1250				
NOTE: Requires Light Reaming, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD	0.2230 1.0625/1.0635 1.1250				
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	9300, 9410, 9414, 617925, 666743, 868896, 952118, 954371, 954408, 1554471, 1554530							
C/S Forging	620035, 856080, 864718, 864719, 868929, 952068, 1185539, 1316540, 1557708, 1739589							
Connecting Rod	45 To 50 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	50 To 75 Lbs.Ft. (7/16" Bolts)							
Main Bearing	80 To 85 Lbs.Ft.							
36	225 CID (3.7L) H225,HA225,HB225,HC225 6 Cyl (1961-1987)			3.400in./86.4mm x 4.125in./104.8mm				36
	225 CID (3.7L) OHV 6 Cyl (1960-1987)			3.400in./86.4mm x 4.125in./104.8mm				
Rod Bearing(6)	TM-77	CB-606G	STD,1,10,20,30,40,60	2.1865/2.1875	0.0007/0.0028	0.0624	2.3125/2.3130	0.9900
NOTE: 1960-1976, Forged Crankshaft								
Rod Bearing(6)	TM-77	CB-1214AL	STD,2,10,20,30,40	2.1865/2.1875	0.0004/0.0029	0.0623	2.3125/2.3130	0.7200
NOTE: 1976-1987, Cast Iron Crankshaft								
Main Bearing Set	TM-77	MS-517P	STD,10,20,30,40					
1		MB-1999P		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.0390
2-4		MB-2001P		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.0390
3		MB-2000P(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.2550
NOTE: 1960-1976, Forged Crankshaft								
Main Bearing Set	TM-77	MS-1419AL	STD,10,20,30					
1-2-4		MB-2731AL		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	0.8820
3		MB-2732AL(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.1080
NOTE: 1976-1987, Cast Iron Crankshaft								
Cam Bearing Set	B-1	SH-874S	STD					
1		SH-874		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.9300
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-424		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.7600
4		SH-425		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
NOTE: 1960-1978								
Cam Bearing Set	B-1	SH-1115S	STD					
1		SH-1115		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7900
2		SH-1116		1.9820/1.9830	0.0025/0.0065	0.0640	2.1135/2.1145	0.6300
3		SH-1117		1.9670/1.9680	0.0025/0.0065	0.0640	2.0985/2.0995	0.6300
4		SH-425		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
NOTE: 1979-1987								

CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
36 (Cont.)	225 CID (3.7L) H225,HA225,HB225,HC225 6 Cyl (1961-1987)			3.400in./86.4mm x 4.125in./104.8mm				36 (Cont.)
	225 CID (3.7L) OHV 6 Cyl (1960-1987)			3.400in./86.4mm x 4.125in./104.8mm				
Piston Pin Bushing(6)	B	223-3484	STD		0.0320	1.0370/1.0390	1.1400	
NOTE: Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3607	STD		0.0430	1.0370/1.0390	1.1400	
NOTE: Requires Boring								
Rod Forging	15140, 15134N, 1947167, 1947952, 2205554, 2951260, 3751142N							
C/S Forging	2128492, 2205554, 2258613, 2264478, 2264479, 2268613, 2543935, 2658998, 2843935, 2843963, 3698966, 3769307, 4095246, 7501366							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
37	226 CID/3701CC (3.7L) EKG SOHC 12 Valve V6 Cyl (2002-2005)			3.661in./93mm x 3.575in./90.8mm				37
Rod Bearing(6)	TM-77	CB-1818P	STD,.25mm,.50mm	2.2794/2.2797	0.0010/0.0027	0.0645	2.4092/2.4096	0.6547
Rod Bearing(6)	TM-77	CB-1819P-.25mm	.50mm	2.2794/2.2797	0.0010/0.0027	0.0655	2.4112/2.4116	0.6547
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4	TM-77	MS-2244P MB-3790P	STD,.25mm,.50mm	2.4998/2.5002	0.0002/0.0013	0.0962	2.6927/2.6931	0.8120
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-608S								
Thrust Washer Set		TW-608S MB-3771W	STD					0.0980
NOTE: Contains 2 Piece Thrust Washer Set, Use In Number 3 Position, Use With Part Number MS-2244P								
Aux. Shaft Bearing Set	AL-3	SH-1997S	STD					
Front		SH-1997		2.2042/2.2052	0.0026/0.0067	0.0725	2.3528/2.3539	0.7150
Rear		SH-1998		1.1412/1.1422	0.0016/0.0057	0.0730	1.2898/1.2909	0.7100
38	230 CID (3.8L) L-Head 6 Cyl (1946-1959)			3.250in./82.6mm x 4.625in./117.5mm				38
	230 CID (3.8L) L-Head Dodge 6 Cyl (1942-1960)			3.250in./82.6mm x 4.625in./117.5mm				
Rod Bearing(6)	TM-77	CB-60G	STD,10,20,30,40,50,60	2.0615/2.0625	0.0006/0.0027	0.0525	2.1675/2.1680	1.0050
Main Bearing Set 1	TM-77	MS-523P-10 MB-2011P	20,30	2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.2400
2-3		MB-2012P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.0360
4		MB-122P(F)		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.8710
NOTE: Car 1946-1959, Truck 1942-1958, Truck 1959-1960 With Manual Transmission								
Cam Bearing Set 1	B-1	SH-23S SH-23	STD	1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-24		1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820
3		SH-25		1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820
Piston Pin Bushing(6)	B	223-3349	STD		0.0325	0.9130/0.9140	1.1250	
NOTE: 1942-1957, Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3474	STD		0.0320	0.9065/0.9105	1.1250	
NOTE: 1958-1960, Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3605	STD		0.0425	0.9130/0.9140	1.1250	
NOTE: 1942-1957, Requires Boring								
Rod Forging	9410, 9414, 617925, 666743, 868896, 952118, 954371, 954408, 1554471, 1554530							
C/S Forging	864718, 868929, 1185539, 1557708, 1739589							
Connecting Rod	45 To 50 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	50 To 75 Lbs.Ft. (7/16" Bolts)							
Main Bearing	80 To 85 Lbs.Ft.							
39	237 CID (3.9L) 236 6 Cyl			3.438in./87.3mm x 4.250in./108mm				39
	237 CID (3.9L) Ind 7,Ind 7A,T118,T120 6 Cyl			3.438in./87.3mm x 4.250in./108mm				
	251 CID (4.1L) 251,T42 6 Cyl			3.438in./87.3mm x 4.500in./114.3mm				
	251 CID (4.1L) 8-213,8-231,908A,Ind 8,Ind 8A 6 Cyl			3.438in./87.3mm x 4.500in./114.3mm				
	265 CID (4.3L) 265 6 Cyl			3.438in./87.3mm x 4.750in./120.7mm				
	265 CID (4.3L) H908A,Ind 16,Ind 16A,Ind 32,Ind 33 6 Cyl			3.438in./87.3mm x 4.750in./120.7mm				
Rod Bearing(6)	TM-77	CB-90P	STD,1,10,20,30,40,C60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	1.0850

CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
39 (Cont.)	237 CID (3.9L) 236 6 Cyl			3.438in./87.3mm x 4.250in./108mm				39 (Cont.)
	237 CID (3.9L) Ind 7,Ind 7A,T118,T120 6 Cyl			3.438in./87.33mm x 4.250in./108mm				
	251 CID (4.1L) 251,T42 6 Cyl			3.438in./87.3mm x 4.500in./114.3mm				
	251 CID (4.1L) 8-213,8-231,908A,Ind 8,Ind 8A 6 Cyl			3.438in./87.33mm x 4.500in./114.3mm				
	265 CID (4.3L) 265 6 Cyl			3.438in./87.3mm x 4.750in./120.7mm				
	265 CID (4.3L) H908A,Ind 16,Ind 16A,Ind 32,Ind 33 6 Cyl			3.438in./87.33mm x 4.750in./120.7mm				
Main Bearing Set 1-2-3	TM-77	MS-107P MB-327P	STD,10,20	2.4995/2.5005	0.0011/0.0036	0.0776	2.6565/2.6570	1.1810
4		MB-328P(F)		2.4995/2.5005	0.0017/0.0042	0.0774	2.6565/2.6570	1.8710
Cam Bearing Set 1	B-1	SH-37S SH-23	STD	1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-37		1.9665/1.9675	0.0005/0.0045	0.0652	2.0985/2.0995	1.0700
3		SH-38		1.9350/1.9360	0.0005/0.0044	0.0653	2.0670/2.0680	1.0690
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	665679, 666746, 954418, 954428, 954448, 1400244							
C/S Forging	665792, 666739, 673498, 762706, 863706, 864718, 870715, 870744, 1400188, 1400718							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
40	239 CID (3.9L) Dodge V6 Cyl (1987-2002)				3.910in./99.3mm x 3.313in./84.2mm			40
Rod Bearing(6)	TM-77	CB-1387P	STD,10,20,30	2.1240/2.1250	0.0005/0.0022	0.0624	2.2500/2.2507	0.7350
Main Bearing Set 1-3	TM-77	MS-1701P MB-2283P	STD,10,20,30	2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
2		MB-2620P(F)		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.1520
4		MB-2559P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
Cam Bearing Set 1	B-1	SH-1114S SH-875	STD	1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-1112		1.9820/1.9830	0.0015/0.0055	0.0645	2.1135/2.1145	0.6300
3		SH-1114		1.9510/1.9520	0.0015/0.0055	0.0645	2.0825/2.0835	0.6300
4		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
41	243 CID (4.0L) OHV Mitsubishi Diesel 6 Cyl (1978-1979)				3.622in./92mm x 3.937in./100mm			41
Rod Bearing(6)	TM-1	CB-1261P	STD,.25mm,.50mm	2.2813/2.2821	0.0014/0.0032	0.0787	2.4409/2.4417	1.1020
Thrust Washer Set		TW-281S MB-3115W	STD	3.0315			3.7402	0.0960
NOTE: Contains 3 Pieces, Position Number 7								
Cam Bearing Set 1	B-1	SH-1155S SH-936	STD	2.1433/2.1441	0.0016/0.0047	0.0490	2.2440/2.2448	1.4170
2		SH-937		2.1433/2.1441	0.0016/0.0047	0.0490	2.2440/2.2448	1.0240
3		SH-938		2.1236/2.1244	0.0016/0.0047	0.0589	2.2440/2.2448	1.0240
4		SH-1155		2.0842/2.0850	0.0016/0.0047	0.0785	2.2448	1.0240
42	251 CID (4.1L) L-Head Dodge 6 Cyl (1942-1968)				3.438in./87.33mm x 4.500in./114.3mm			42
Rod Bearing(6)	TM-77	CB-90P	STD,1,10,20,30,40,C60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	1.0850
Main Bearing Set 1-2-3	TM-77	MS-107P MB-327P	STD,10,20	2.4995/2.5005	0.0011/0.0036	0.0776	2.6565/2.6570	1.1810
4		MB-328P(F)		2.4995/2.5005	0.0017/0.0042	0.0774	2.6565/2.6570	1.8710
Cam Bearing Set 1	B-1	SH-37S SH-23	STD	1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-37		1.9665/1.9675	0.0005/0.0045	0.0652	2.0985/2.0995	1.0700
3		SH-38		1.9350/1.9360	0.0005/0.0044	0.0653	2.0670/2.0680	1.0690
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, .919" Outside Diameter								

CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
42 (Cont.)	251 CID (4.1L) L-Head Dodge 6 Cyl (1942-1968)			3.438in./87.33mm x 4.500in./114.3mm				42 (Cont.)
Piston Pin Bushing(6)	B	223-3474	STD			0.0320	0.9065/0.9105	1.1250
NOTE: 1958-1968, Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	665679, 666746, 954418, 954428, 1400244							
C/S Forging	665792, 666739, 673498, 762706, 863706, 864718, 870715, 870744							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
43	265 CID (4.3L) L-Head Dodge 6 Cyl (1953-1960)			3.438in./87.33mm x 4.750in./120.7mm				43
Rod Bearing(6)	TM-77	CB-90P	STD,1,10,20,30,40,C60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	1.0850
Main Bearing Set 1-2-3	TM-77	MS-107P	STD,10,20	2.4995/2.5005	0.0011/0.0036	0.0776	2.6565/2.6570	1.1810
4		MB-327P		2.4995/2.5005	0.0017/0.0042	0.0774	2.6565/2.6570	1.8710
		MB-328P(F)						
Cam Bearing Set 1	B-1	SH-37S	STD	1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-23		1.9665/1.9675	0.0005/0.0045	0.0652	2.0985/2.0995	1.0700
3		SH-37		1.9350/1.9360	0.0005/0.0044	0.0653	2.0670/2.0680	1.0690
		SH-38						
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: 1953-1959, Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3474	STD			0.0320	0.9065/0.9105	1.1250
NOTE: 1960, Requires Light Reaming								
44	354 CID (5.8L) 6-354 Perkins Diesel 6 Cyl (1966-1970)			3.877in./98.5mm x 5.000in./127mm				44
Rod Bearing(6)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set 1-2-3-5-6-7	AL-3	MS-757AL	STD,10,20,30	2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2550
4		MB-2221AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4450
		MB-2222AL						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-121S	STD					
		MB-2222W(L)		3.4200/3.4300			4.0880/4.0980	0.0910
		MB-2222W(U)		3.4200/3.4300			4.0880/4.0980	0.0910
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4, Use With Part Number MS-757AL								
Thrust Washer Set		TW-316S	STD					
		MB-2636W(L)		3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(U)		3.4200/3.4300			4.0880/4.0980	0.0900
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4, Use With Part Number MS-757AL								
Rod Forging	59554, 31337310, 31337180JGSB							
C/S Forging	3132302, 31322302							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	145 To 150 Lbs.Ft.							
45	359 CID (5.9L) ETA Cummins Turbocharged Diesel 6 Cyl (1989-1993)			4.016in./102mm x 4.724in./120mm				45
	359 CID (5.9L) ETB Cummins Turbocharged/Intercooled Diesel 6 Cyl (1990-1998)			4.016in./102mm x 4.724in./120mm				
Rod Bearing(6)	TM-112	CB-1413P	STD,.25mm,.50mm,.75mm	2.7160/2.7170	0.0015/0.0045	0.0775	2.8735/2.8745	1.2250
Main Bearing Set 1-2-3-4-5-7	TM-112	MS-1717P	STD,.25mm,.50mm,.75mm	3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.1430
6		MB-3110P		3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.4700
		MB-3109P(F)						
Cam Bearing	AL-3	SH-1404	STD	2.1245/2.1265			2.2528/2.2542	1.0100
NOTE: 1989-1997, Position Number 1								
Piston Pin Bushing(6)	C-1	223-3644	STD			0.0690	1.6924/1.6934	1.5100
NOTE: Requires Boring								

CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
45 (Cont.)	359 CID (5.9L) ETA Cummins Turbocharged Diesel 6 Cyl (1989-1993)				4.016in./102mm x 4.724in./120mm			45 (Cont.)
	359 CID (5.9L) ETB Cummins Turbocharged/Intercooled Diesel 6 Cyl (1990-1998)				4.016in./102mm x 4.724in./120mm			
Rod Forging	3901085, 3901566							
C/S Forging	3907804							
Connecting Rod	Step A 26 Lbs.Ft.; Step B 51 Lbs.Ft.; Step C 73 Lbs.Ft.							
Main Bearing	Step A 44 Lbs.Ft.; Step B 88 Lbs.Ft.; Step C 129 Lbs.Ft.							
46	359 CID (5.9L) ETC 24 Valves Cummins Turbocharged/Intercooled Diesel 6 Cyl (1998-2002)				4.016in./102mm x 4.724in./120mm			46
	359 CID (5.9L) ETH 24 Valves Cummins Turbocharged/Intercooled Diesel 6 Cyl (2001-2002)				4.016in./102mm x 4.724in./120mm			
Rod Bearing(6)	TM-112	CB-1413P	STD,.25mm,.50mm,.75mm	2.7160/2.7170	0.0015/0.0045	0.0775	2.8735/2.8745	1.2250
Main Bearing Set 1-2-3-4-5-7	TM-112	MS-1717P	STD,.25mm,.50mm,.75mm	3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.1430
6		MB-3110P MB-3109P(F)		3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.4700
8 CYL								
47	241 CID (3.9L) Hemispherical V8 Cyl (1954)				3.438in./87.3mm x 3.250in./82.6mm			47
	241 CID (3.9L) Ind 18,Ind 18A V8 Cyl				3.438in./87.3mm x 3.250in./82.6mm			
	259 CID (4.2L) Dodge V8 Cyl (1955-1956)				3.563in./90.5mm x 3.250in./82.6mm			
	259 CID (4.2L) Ind 52 V8 Cyl				3.563in./90.5mm x 3.250in./82.6mm			
	270 CID (4.4L) Hemispherical V8 Cyl (1955)				3.625in./92.1mm x 3.250in./82.6mm			
	270 CID (4.4L) OHV V8 Cyl (1955-1956)				3.625in./92.1mm x 3.250in./82.6mm			
	270 CID (4.4L) OHV Dodge V8 Cyl (1955-1956)				3.625in./92.1mm x 3.250in./82.6mm			
Piston Pin Bushing(8)	B	223-3474	STD		0.0320	0.9065/0.9105	1.1250	
NOTE: Requires Light Reaming								
Rod Forging	1328783							
C/S Forging	1402538, 1402625, 1483338, 1671108, 1731658, 1932610							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
48	273 CID (4.5L) OHV V8 Cyl (1964-1969)				3.625in./92.1mm x 3.313in./84.2mm			48
	277 CID (4.5L) OHV V8 Cyl (1956-1957)				3.750in./95.3mm x 3.125in./79.4mm			
	301 CID (4.9L) V8 Cyl (1956-1957)				3.910in./99.3mm x 3.125in./79.4mm			
	303 CID (5.0L) OHV V8 Cyl (1956)				3.813in./96.9mm x 3.313in./84.2mm			
	326 CID (5.3L) OHV V8 Cyl (1959)				3.953in./100.4mm x 3.313in./84.2mm			
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0002/0.0027	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4	TM-77	MS-540P	STD,10,20,30,40					
3		MB-2035P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
5		MB-2036P(F) MB-2559P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.1520 1.3270
Cam Bearing Set 1	B-1	SH-875S	STD					
2		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
3		SH-326		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
4		SH-327		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
5		SH-328		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
Piston Pin Bushing(8)	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400
NOTE: Requires Light Reaming								
Piston Pin Bushing(8)	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400
NOTE: Requires Boring								
Rod Forging	699, 782, 1618699, 2406782							
C/S Forging	1626123, 1630270, 1630276, 1630937, 1632077, 1650270, 1732557, 1732559, 1732610, 1826123, 1826129, 1830276, 2128278, 2128869, 2205700, 2205702, 2258393, 2264182, 2465747, 2658268, 2658278, 2843868, 3482387, 3751841							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							

CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
49	287 CID (4.7L) EVD SOHC Flex V8 Cyl (2004-2005)			3.661in./93mm x 3.406in./86.5mm				49
	287 CID (4.7L) SOHC V8 Cyl (2000-2005)			3.661in./93mm x 3.406in./86.5mm				
Rod Bearing(8)	TM-77	CB-1784P	STD,.25mm,.50mm	2.0075/2.0082	0.0008/0.0025	0.0586	2.1257/2.1262	0.6547
Rod Bearing(8)	TM-77	CB-1804P-.25mm	.50mm	2.0075/2.0082	0.0004/0.0018	0.0596	2.1277/2.1282	0.6547
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4-5	TM-77	MS-2216P MB-3771P	STD,.25mm,.50mm	2.4998/2.5002	0.0002/0.0013	0.0962	2.6927/2.6931	0.8120
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-608S								
Thrust Washer Set		TW-608S MB-3771W	STD					0.0980
NOTE: Contains 2 Piece Thrust Washer Set, Use In Number 3 Position, Use With Part Number MS-2216P								
50	287 CID (4.7L) SOHC High Output V8 Cyl (2005)			3.661in./93mm x 3.406in./86.5mm				50
Rod Bearing(8)	TM-77	CB-1784P	STD,.25mm,.50mm	2.0075/2.0082	0.0008/0.0025	0.0586	2.1257/2.1262	0.6547
Rod Bearing(8)	TM-77	CB-1804P-.25mm	.50mm	2.0075/2.0082	0.0004/0.0018	0.0596	2.1277/2.1282	0.6547
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4-5	TM-77	MS-2242P MB-3790P	STD,.25mm,.50mm	2.4998/2.5002	0.0002/0.0013	0.0962	2.6927/2.6931	0.8120
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-608S								
Thrust Washer Set		TW-608S MB-3771W	STD					0.0980
NOTE: Contains 2 Piece Thrust Washer Set, Use In Number 3 Position, Use With Part Number MS-2242P								
51	301 CID (4.9L) V8 Cyl (1955)			3.625in./92.1mm x 3.625in./92.1mm				51
	331 CID (5.4L) Hemispherical V8 Cyl (1951-1956)			3.813in./96.9mm x 3.625in./92.1mm				
	331 CID (5.4L) Ind 20,Ind 24,Ind 24A V8 Cyl			3.813in./96.9mm x 3.625in./92.1mm				
	331 CID (5.4L) OHV V8 Cyl (1956)			3.813in./96.9mm x 3.625in./92.1mm				
	354 CID (5.8L) Hemispherical,OHV V8 Cyl (1956-1958)			3.938in./100mm x 3.625in./92.1mm				
Cam Bearing Set 1	B-1	SH-313S	STD	1.9980/1.9990	0.0005/0.0045	0.0650	2.1295/2.1305	0.9440
2-3-4		SH-313		1.9980/1.9990	0.0005/0.0045	0.0650	2.1295/2.1305	0.8190
5		SH-314		1.4355/1.4365	0.0005/0.0045	0.0650	1.5670/1.5680	0.8820
		SH-315						
Rod Forging	1324222, 1821345, 1851535							
C/S Forging	1335001, 1409421, 1419421, 1491421, 1523335, 1617184, 1619647, 1635690							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
52	313 CID (5.1L) Dodge V8 Cyl (1958-1965)			3.875in./98.4mm x 3.313in./84.2mm				52
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0002/0.0027	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4	TM-77	MS-540P	STD,10,20,30,40	2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
3		MB-2035P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.1520
5		MB-2036P(F) MB-2559P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
Cam Bearing Set 1	B-1	SH-875S	STD	1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-875		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
3		SH-326		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
4		SH-327		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
5		SH-328		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
		SH-329						
Rod Forging	699, 782, 1618699, 2406782							
C/S Forging	1626123, 1630270, 1630276, 1650270, 1732557, 1732559, 1732610, 1826123, 1826129, 1830276, 2128278, 2128869, 2205700, 2205702, 2258393, 2264182, 2465747, 2658268, 2658278, 2843868, 3482387, 3751841							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
53	315 CID (5.2L) Hemispherical V8 Cyl (1956)			3.625in./92.1mm x 3.800in./96.5mm				53
	325 CID (5.3L) Hemispherical V8 Cyl (1957-1958)			3.688in./93.7mm x 3.800in./96.5mm				
Rod Bearing(8)	TM-77	CB-482P	STD,10	2.2490/2.2500	0.0007/0.0032	0.0624	2.3750/2.3755	0.8160
Rod Forging	1630398, 1821345							
C/S Forging	1630432, 1635690, 1736044, 1739538							

CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
53 (Cont.)	315 CID (5.2L) Hemispherical V8 Cyl (1956)				3.625in./92.1mm x 3.800in./96.5mm			53 (Cont.)
	325 CID (5.3L) Hemispherical V8 Cyl (1957-1958)				3.688in./93.7mm x 3.800in./96.5mm			
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
54	318 CID (5.2L) V8 Cyl (1957-2003)				3.910in./99.3mm x 3.313in./84.2mm			54
	318 CID (5.2L) H318,HA318,HB318,HC318,HT318,LH318,LT318 V8 Cyl				3.910in./99.3mm x 3.313in./84.2mm			
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0002/0.0027	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-540P	STD,10,20,30,40					
1-2-4		MB-2035P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
3		MB-2036P(F)		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.1520
5		MB-2559P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
NOTE: Thru 1973								
Main Bearing Set	TM-77	MS-1344P	STD,10,20,30					
1-2-4		MB-2283P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
3		MB-2620P(F)		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.1520
5		MB-2559P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
NOTE: From 1974								
Cam Bearing Set	B-1	SH-875S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-326		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
3		SH-327		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
4		SH-328		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
NOTE: Thru 1978								
Cam Bearing Set	B-1	SH-1112S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-1112		1.9820/1.9830	0.0015/0.0055	0.0645	2.1135/2.1145	0.6300
3		SH-1113		1.9670/1.9680	0.0015/0.0055	0.0645	2.0985/2.0995	0.6300
4		SH-1114		1.9510/1.9520	0.0015/0.0055	0.0645	2.0825/2.0835	0.6300
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
NOTE: From 1979								
Piston Pin Bushing(8)	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400
NOTE: Requires Light Reaming								
Piston Pin Bushing(8)	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400
NOTE: Requires Boring								
Rod Forging	699, 782, 1618699, 2406782, 3418645							
C/S Forging	1626123, 1630270, 1630276, 1650270, 1732557, 1732559, 1732610, 1826123, 1826129, 1830276, 2128278, 2128869, 2205700, 2205702, 2258393, 2264182, 2465747, 2532457, 2558393, 2656278, 2658268, 2658278, 2658393, 2843868, 3462387, 3482387, 3751841							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
55	318 CID (5.2L) CNG V8 Cyl (1992-2003)				3.910in./99.3mm x 3.313in./84.2mm			55
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0002/0.0027	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-1344P	STD,10,20,30					
1-2-4		MB-2283P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
3		MB-2620P(F)		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.1520
5		MB-2559P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
Cam Bearing Set	B-1	SH-1112S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-1112		1.9820/1.9830	0.0015/0.0055	0.0645	2.1135/2.1145	0.6300
3		SH-1113		1.9670/1.9680	0.0015/0.0055	0.0645	2.0985/2.0995	0.6300
4		SH-1114		1.9510/1.9520	0.0015/0.0055	0.0645	2.0825/2.0835	0.6300
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
Piston Pin Bushing(8)	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400
NOTE: Requires Light Reaming								

CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
55 (Cont.)	318 CID (5.2L) CNG V8 Cyl (1992-2003)			3.910in./99.3mm x 3.313in./84.2mm				55 (Cont.)
Piston Pin Bushing(8)	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400
NOTE: Requires Boring								
Rod Forging	1618699, 2406782, 3418645							
C/S Forging	2532457, 2558393, 2656278, 2658393, 3462387, 3482387, 3751841							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
56	324 CID (5.3L) Ind 12,Ind 9 8 Cyl			3.250in./82.6mm x 4.875in./123.8mm				56
Piston Pin Bushing(8)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(8)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
57	324 CID (5.3L) L-Head 8 Cyl (1939-1950)			3.250in./82.6mm x 4.875in./123.8mm				57
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: 1946-1950;1939-1942, Requires Light Reaming, .919" Outside Diameter								
58	340 CID (5.6L) OHV V8 Cyl (1968-1973)			4.040in./102.6mm x 3.313in./84.2mm				58
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0002/0.0027	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4	TM-77	MS-963P	STD,10,20,30	2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
3		MB-2283P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.1520
5		MB-2036P(F)		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
		MB-2559P						
Cam Bearing Set 1	B-1	SH-875S	STD	1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-875		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
3		SH-326		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
4		SH-327		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
5		SH-328		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
Piston Pin Bushing(8)	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400
NOTE: Requires Light Reaming								
Piston Pin Bushing(8)	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400
NOTE: Requires Boring								
Rod Forging	2899496, 3418645							
C/S Forging	2205700, 2205702, 2532457, 3462387							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
59	345 CID (5.7L) EZA Hemi V8 Cyl (2003-2005)			3.917in./99.5mm x 3.578in./90.8mm				59
	345 CID (5.7L) EZB Hemi V8 Cyl (2005)			3.917in./99.5mm x 3.578in./90.8mm				
Rod Bearing(8)	TM-77	CB-1808P	STD,.25mm,.50mm	2.1257/2.1263	0.0008/0.0029	0.0626	2.2522/2.2527	0.7910
Rod Bearing(8)	TM-77	CB-1809P-.25mm	.50mm	2.1257/2.1263	0.0008/0.0029	0.0636	2.2542/2.2547	0.7910
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4-5	TM-77	MS-2220P	STD,.25mm,.50mm	2.4998/2.5002	0.0002/0.0013	0.0962	2.6927/2.6931	0.8120
		MB-3780P						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-611S								
Thrust Washer Set		TW-611S	STD	2.8600/2.8800			3.6760	0.1018
		MB-3780W						
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-2220P								

CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
59 (Cont.)	345 CID (5.7L) EZA Hemi V8 Cyl (2003-2005)				3.917in./99.5mm x 3.578in./90.8mm			59 (Cont.)
	345 CID (5.7L) EZB Hemi V8 Cyl (2005)				3.917in./99.5mm x 3.578in./90.8mm			
Cam Bearing Set		SH-1990S	STD					
1		SH-1990		2.2906/2.2913	0.0013/0.0050	0.0650	2.4226/2.4236	0.6830
2		SH-1991		2.2748/2.2756	0.0012/0.0050	0.0650	2.4068/2.4078	0.6040
3		SH-1992		2.2591/2.2598	0.0013/0.0050	0.0650	2.3911/2.3921	0.6040
4		SH-1993		2.2433/2.2441	0.0012/0.0050	0.0650	2.3753/2.3763	0.6040
5		SH-1994		1.7170/1.7178	0.0016/0.0054	0.0650	1.8494/1.8504	0.6040
60	350 CID (5.7L) OHV V8 Cyl (1958)				4.063in./103.2mm x 3.375in./85.7mm			60
	361 CID (5.9L) H361,HB361,HC361,HT361 V8 Cyl				4.125in./104.8mm x 3.375in./85.7mm			
	361 CID (5.9L) OHV V8 Cyl (1958-1977)				4.125in./104.8mm x 3.375in./85.7mm			
	383 CID (6.3L) LPG V8 Cyl (1959-1971)				4.250in./108mm x 3.375in./85.7mm			
	383 CID (6.3L) H383,HA383,HB383 V8 Cyl				4.250in./108mm x 3.375in./85.7mm			
	383 CID (6.3L) OHV V8 Cyl (1959-1971)				4.250in./108mm x 3.375in./85.7mm			
	400 CID (6.6L) H400 V8 Cyl				4.342in./110.3mm x 3.375in./85.7mm			
	400 CID (6.6L) OHV V8 Cyl (1972-1980)				4.342in./110.3mm x 3.375in./85.7mm			
Rod Bearing(8)	TM-77	CB-527P	STD,1,10,20,30,40,C50,C60	2.3740/2.3750	0.0009/0.0034	0.0623	2.5000/2.5005	0.9120
Main Bearing Set	TM-77	MS-876P	STD,10,20,30,40,C60					
1-2-4-5		MB-2065P		2.6245/2.6255	0.0011/0.0036	0.0956	2.8175/2.8180	0.9490
3		MB-2456P(F)		2.6245/2.6255	0.0011/0.0036	0.0956	2.8175/2.8180	1.2240
NOTE: Engines With 3.430"/3.500" Main Bearing Flange Outside Diameter, .060" Undersize Set Contains .010" Oversize Length Flanged Bearing,Contains Full Annular Grooved Bearings								
Cam Bearing Set	B-1	SH-876S	STD					
1		SH-876		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7600
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-404		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.6800
4		SH-405		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
5		SH-406		1.7480/1.7490	0.0005/0.0045	0.0645	1.8795/1.8805	0.7600
Rod Forging	1618699, 1737692, 1851535, 2406782, 2951908							
C/S Forging	1737641, 1737642, 1851527, 2203155, 2203157, 2206157, 2206159, 2482923, 3462923, 3751877, 4027172							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
61	360 CID (5.9L) V8 Cyl (1971-2003)				4.000in./101.6mm x 3.578in./90.8mm			61
	360 CID (5.9L) LPG V8 Cyl (1971-1993)				4.000in./101.6mm x 3.578in./90.8mm			
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0002/0.0027	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-1051P	STD,10,20,30					
1-2-4		MB-2590P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	0.8770
3		MB-2591P(F)		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.1520
5		MB-2592P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.2590
NOTE: 1971-1973								
Main Bearing Set	TM-77	MS-1266P	STD,10,20,30					
1-2-4		MB-2622P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	0.8770
3		MB-2623P(F)		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.1520
5		MB-2624P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.2590
NOTE: 1974-2003								
Cam Bearing Set	B-1	SH-875S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-326		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
3		SH-327		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
4		SH-328		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
NOTE: 1971-1978								
Cam Bearing Set	B-1	SH-1112S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-1112		1.9820/1.9830	0.0015/0.0055	0.0645	2.1135/2.1145	0.6300
3		SH-1113		1.9670/1.9680	0.0015/0.0055	0.0645	2.0985/2.0995	0.6300
4		SH-1114		1.9510/1.9520	0.0015/0.0055	0.0645	2.0825/2.0835	0.6300
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
NOTE: 1979-2003								

CHRYSLER (Cont.)

CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
61 (Cont.)	360 CID (5.9L) V8 Cyl (1971-2003)			4.000in./101.6mm x 3.578in./90.8mm				61 (Cont.)
	360 CID (5.9L) LPG V8 Cyl (1971-1993)			4.000in./101.6mm x 3.578in./90.8mm				
C/S Forging 3418640, 3418995, 4027169, 3418840-2								
Connecting Rod 45 Lbs.Ft. Main Bearing 85 Lbs.Ft.								
62	383 CID (6.3L) OHV V8 Cyl (1959-1960)			4.031in./102.4mm x 3.750in./95.3mm				62
	426 CID (7.0L) Wedge V8 Cyl (1963-1965)			4.250in./108mm x 3.750in./95.3mm				
Rod Bearing(8)	TM-77	CB-527P	STD,1,10,20,30,40,C50,C60	2.3740/2.3750	0.0009/0.0034	0.0623	2.5000/2.5005	0.9120
Main Bearing Set	B-2	MS-481M	STD,10,20,30					
1-2-4-5		MB-1883M		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	0.9490
3		MB-1884M(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.2240
NOTE: Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-877P	STD,10,20,30					
1-2-4-5		MB-2067P		2.7495/2.7505	0.0008/0.0033	0.0956	2.9425/2.9430	0.9490
3		MB-2457P(F)		2.7495/2.7505	0.0011/0.0036	0.0956	2.9425/2.9430	1.2240
NOTE: Full Grooved Main Bearings								
Cam Bearing Set	B-1	SH-876S	STD					
1		SH-876		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7600
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-404		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.6800
4		SH-405		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
5		SH-406		1.7480/1.7490	0.0005/0.0045	0.0645	1.8795/1.8805	0.7600
Rod Forging 1851535, 2406395, 2406886, 2951908								
C/S Forging 3294, 1737642, 1821436, 1851436, 1851527, 1855127, 1978698, 2206157, 2206158, 2206160, 3698641, 3751888, 4027175, 8698461, 3751888-5								
Connecting Rod 45 Lbs.Ft. Main Bearing 85 Lbs.Ft.								
63	392 CID (6.4L) Hemispherical V8 Cyl (1957-1958)			4.000in./101.6mm x 3.906in./99.2mm				63
Rod Bearing(8)	B-2	CB-1213M	STD,10	2.3740/2.3750	0.0007/0.0028	0.0624	2.5000/2.5005	0.8570
Main Bearing Set	B-2	MS-426M	STD					
1-2-4		MB-1802M		2.6870/2.6880	0.0005/0.0026	0.0959	2.8800/2.8805	0.9100
3		MB-1803M(F)		2.6870/2.6880	0.0005/0.0026	0.0959	2.8800/2.8805	1.2020
5		MB-1804M		2.6870/2.6880	0.0005/0.0026	0.0959	2.8800/2.8805	1.6300
Cam Bearing Set	B-1	SH-313S	STD					
1		SH-313		1.9980/1.9990	0.0005/0.0045	0.0650	2.1295/2.1305	0.9440
2-3-4		SH-314		1.9980/1.9990	0.0005/0.0045	0.0650	2.1295/2.1305	0.8190
5		SH-315		1.4355/1.4365	0.0005/0.0045	0.0650	1.5670/1.5680	0.8820
Rod Forging 1673758								
C/S Forging 1673755								
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 85 To 90 Lbs.Ft.								
64	413 CID (6.8L) H413,HB413,HC413,HT413 V8 Cyl			4.188in./106.4mm x 3.750in./95.3mm				64
	413 CID (6.8L) H413,HB413 LPG V8 Cyl			4.188in./106.4mm x 3.750in./95.3mm				
	413 CID (6.8L) OHV V8 Cyl (1959-1977)			4.188in./106.4mm x 3.750in./95.3mm				
	440 CID (7.2L) H440 V8 Cyl			4.320in./109.7mm x 3.750in./95.3mm				
	440 CID (7.2L) OHV V8 Cyl (1966-1980)			4.320in./109.7mm x 3.750in./95.3mm				
Rod Bearing(8)	TM-77	CB-527P	STD,1,10,20,30,40,C50,C60	2.3740/2.3750	0.0009/0.0034	0.0623	2.5000/2.5005	0.9120
Main Bearing Set	B-2	MS-481M	STD,10,20,30					
1-2-4-5		MB-1883M		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	0.9490
3		MB-1884M(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.2240
NOTE: Thru 1973, Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter, Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-877P	STD,10,20,30					
1-2-4-5		MB-2067P		2.7495/2.7505	0.0008/0.0033	0.0956	2.9425/2.9430	0.9490
3		MB-2457P(F)		2.7495/2.7505	0.0011/0.0036	0.0956	2.9425/2.9430	1.2240
NOTE: Thru 1973, Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter, Full Grooved Main Bearings								
Main Bearing Set	TM-77	MS-1277P	STD,10,20,30					
1-2-4-5		MB-2067P		2.7495/2.7505	0.0008/0.0033	0.0956	2.9425/2.9430	0.9490
3		MB-2625P(F)		2.7495/2.7505	0.0011/0.0036	0.0959	2.9425/2.9430	1.2240
NOTE: From 1974, Except Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter								

CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
64 (Cont.)	413 CID (6.8L) H413,HB413,HC413,HT413 V8 Cyl			4.188in./106.4mm x 3.750in./95.3mm				64 (Cont.)
	413 CID (6.8L) H413,HB413 LPG V8 Cyl			4.188in./106.4mm x 3.750in./95.3mm				
	413 CID (6.8L) OHV V8 Cyl (1959-1977)			4.188in./106.4mm x 3.750in./95.3mm				
	440 CID (7.2L) H440 V8 Cyl			4.320in./109.7mm x 3.750in./95.3mm				
	440 CID (7.2L) OHV V8 Cyl (1966-1980)			4.320in./109.7mm x 3.750in./95.3mm				
Cam Bearing Set	B-1	SH-876S	STD					
1		SH-876		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7600
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-404		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.6800
4		SH-405		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
5		SH-406		1.7480/1.7490	0.0005/0.0045	0.0645	1.8795/1.8805	0.7600
Rod Forging	1851535, 2406395, 2406886, 2951908							
C/S Forging	3294, 1737642, 1821436, 1851436, 1851527, 1855127, 1978698, 2206157, 2206158, 2206160, 3698641, 3751888, 4027175, 8698461, 3751888-5							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
65	426 CID (7.0L) Hemispherical V8 Cyl (1964-1971)			4.250in./108mm x 3.750in./95.3mm				65
	426 CID (7.0L) Hemispherical LPG V8 Cyl (1966-1971)			4.250in./108mm x 3.750in./95.3mm				
Rod Bearing(8)	TM-77	CB-527P	STD,1,10,20,30,40,C50,C60	2.3740/2.3750	0.0009/0.0034	0.0623	2.5000/2.5005	0.9120
Main Bearing Set	TM-77	MS-896P	STD,10					
1-2-4-5		MB-2219P		2.7495/2.7505	0.0011/0.0036	0.0956	2.9425/2.9430	0.9490
3		MB-2495P(F)		2.7495/2.7505	0.0011/0.0036	0.0956	2.9425/2.9430	1.2240
Cam Bearing Set	B-1	SH-876S	STD					
1		SH-876		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7600
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-404		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.6800
4		SH-405		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
5		SH-406		1.7480/1.7490	0.0005/0.0045	0.0645	1.8795/1.8805	0.7600
Rod Forging	1851535, 2406395, 2406886, 2468000							
C/S Forging	1851527, 1855127, 2006157, 2206158, 2206160, 2463548, 2780513, 2780533, 8698461							
Connecting Rod	75 Lbs.Ft.							
Main Bearing	100 Lbs.Ft.							
10 CYL								
66	488 CID (8.0L) Aluminum Block V10 Cyl (1994-2002)			4.000in./101.6mm x 3.578in./90.8mm				66
Rod Bearing(10)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(10)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0002/0.0027	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
67	488 CID (8.0L) Iron Block Dodge V10 Cyl (1994-2003)			4.000in./101.6mm x 3.578in./90.8mm				67
Rod Bearing(10)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(10)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0002/0.0027	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-2200P	STD,10,20,30					
1-6		MB-3506P		2.9995/3.0005	0.0002/0.0023	0.0959	3.1925/3.1930	1.0000
2-4-5		MB-3507P		2.9995/3.0005	0.0002/0.0023	0.0959	3.1925/3.1930	0.0960
3		MB-3508P(F)		2.9995/3.0005	0.0002/0.0023	0.0959	3.1925/3.1930	1.0860
Cam Bearing Set	C-1	SH-1818S	STD					
1		SH-1822		2.0910/2.0920	0.0010/0.0045	0.0650	2.2220/2.2235	0.8900
2		SH-1818		2.0740/2.0750	0.0010/0.0045	0.0650	2.2060/2.2075	0.6300
3		SH-1823		2.0590/2.0600	0.0010/0.0045	0.0650	2.1900/2.1915	0.6300
4		SH-1821		2.0430/2.0440	0.0010/0.0045	0.0650	2.1740/2.1755	0.6300
5		SH-1819		2.0270/2.0280	0.0010/0.0045	0.0650	2.1580/2.1595	0.6300
6		SH-1820		1.9170/1.9180	0.0010/0.0045	0.0650	2.0480/2.0495	0.8900
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
3 CYL			6 CYL (Cont.)		
3-53 Detroit Diesel 159 CID (2.6L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	1	F209 Continental 209 CID (3.4L)	3.188in./80.98mmX4.375in./111.1mm	6
4 CYL			F226 Continental 226 CID (3.7L) Flex	3.313in./84.1mmX4.375in./111.1mm	8
4-53 Detroit Diesel 212 CID (3.5L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	5	JXD Hercules 320 CID (5.2L)	4.000in./101.6mmX4.250in./108mm	10
F4162 Continental 162 CID (2.7L)	3.438in./87.33mmX4.375in./111.1mm	4	JXLD Hercules 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	10
Y69 Continental 69 CID (1.1L)	2.500in./63.5mmX3.500in./88.9mm	2	QXLD3 Hercules 237 CID (3.9L)	3.438in./87.33mmX4.250in./108mm	9
Y91 Continental 91 CID (1.5L)	2.875in./73mmX3.500in./88.9mm	2	8 CYL		
Y112 Continental 112 CID (1.8L)	3.187in./80.95mmX3.500in./88.9mm	3	8V-71 Detroit Diesel 568 CID (9.3L) Diesel	4.250in./108mmX5.000in./127mm	11
6 CYL					
5/5A/6/6A/30/31 Chrysler 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	7			

MODEL DATA

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
24 Rosscarrier Base Model	Fork Lift	237 CID (3.9L) QXLD3 Hercules	9	CE2024 Base Model	Fork Lift	91 CID (1.5L) Y91 Continental	2
Base Model	Fork Lift	69 CID (1.1L) Y69 Continental	2	CT21 Base Model	Fork Lift	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler	7
Base Model	Fork Lift	159 CID (2.6L) 3-53 Detroit Diesel Diesel	1	CT30 Base Model	Fork Lift	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler	7
Base Model	Fork Lift	162 CID (2.7L) F4162 Continental	4	CT40 Base Model	Fork Lift	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler	7
Base Model	Fork Lift	209 CID (3.4L) F209 Continental	6	CT46 Base Model	Fork Lift	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler	7
Base Model	Fork Lift	212 CID (3.5L) 4-53 Detroit Diesel Diesel	5	Clarkat CK26	Fork Lift	112 CID (1.8L) Y112 Continental	3
Base Model	Fork Lift	226 CID (3.7L) F226 Continental	8	Clipper and C Base Model	Fork Lift	112 CID (1.8L) Y112 Continental	3
Base Model	Fork Lift	320 CID (5.2L) JXD Hercules	10	Trucktractor Dump-Tip 40	Fork Lift	112 CID (1.8L) Y112 Continental	3
Base Model	Fork Lift	339 CID (5.6L) JXLD Hercules	10	Y150 Base Model	Fork Lift	237 CID (3.9L) QXLD3 Hercules	9
Base Model	Fork Lift	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	11	Yardlift Y20	Fork Lift	91 CID (1.5L) Y91 Continental	2

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
9300	4.375in./111.1mm	7	868896	4.375in./111.1mm	7	D600D-500	4.375in./111.1mm	6	F600D-500	4.375in./111.1mm	6
9410	4.375in./111.1mm	7	952118	4.375in./111.1mm	7	F218D-3020	4.375in./111.1mm	4	F600D-502	4.375in./111.1mm	6
40090C	4.250in./108mm	10	954371	4.375in./111.1mm	7	F218D-3022	4.375in./111.1mm	6	Y400D-400	3.500in./88.9mm	3
40090C	4.500in./114.3mm	10	954408	4.375in./111.1mm	7	F218D-3032	4.375in./111.1mm	6	Y400D-400	3.500in./88.9mm	2
40390C	4.250in./108mm	10	1554471	4.375in./111.1mm	7	F400D-500	4.375in./111.1mm	4	Y400D-401	3.500in./88.9mm	3
40390C	4.500in./114.3mm	10	1554530	4.375in./111.1mm	7	F400D-502	4.375in./111.1mm	4	Y400D-402	3.500in./88.9mm	3
43102C	4.250in./108mm	10	5121248	4.500in./114.3mm	1	F400D-502	4.375in./111.1mm	6	Y400D-403	3.500in./88.9mm	3
43102C	4.500in./114.3mm	10	5121248	4.500in./114.3mm	5	F600D-310	4.375in./111.1mm	8			
44119C	4.500in./114.3mm	10	5135051	5.000in./127mm	11	F600D-402	4.375in./111.1mm	8			
617925	4.375in./111.1mm	7	5144384	5.000in./127mm	11	F600D-405	4.375in./111.1mm	8			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
400C-209	4.375in./111.1mm	4	43528B	4.500in./114.3mm	10	50024E	4.250in./108mm	10	856080	4.375in./111.1mm	7
400C-213	3.500in./88.9mm	3	43528E	4.500in./114.3mm	10	140025D	4.250in./108mm	10	864719	4.375in./111.1mm	7
400C-226	3.500in./88.9mm	3	43531E	4.250in./108mm	10	140025D	4.500in./114.3mm	10	928928	4.375in./111.1mm	6
400C-500	4.375in./111.1mm	4	43532	4.250in./108mm	10	140026D	4.250in./108mm	10	952068	4.375in./111.1mm	7
40091E	4.250in./108mm	10	44025E	4.250in./108mm	10	155025E	4.250in./108mm	10	1316540	4.375in./111.1mm	7
40094D	4.250in./108mm	10	45853D	4.250in./108mm	10	209229	4.375in./111.1mm	6	5103281	5.000in./127mm	11
40094E	4.250in./108mm	10	45853E	4.250in./108mm	10	220426C	4.500in./114.3mm	10	5103318	4.500in./114.3mm	5
40950E	4.250in./108mm	10	45855E	4.250in./108mm	10	511706	5.000in./127mm	11	5116022	4.500in./114.3mm	1
40991E	4.250in./108mm	10	45857E	4.250in./108mm	10	620035	4.375in./111.1mm	7	5116022	4.500in./114.3mm	5
42947E	4.500in./114.3mm	10	45859B	4.250in./108mm	10	732596	4.375in./111.1mm	6	5116029	4.500in./114.3mm	1
42974E	4.500in./114.3mm	10	45859D	4.250in./108mm	10	733536	4.375in./111.1mm	6	5116029	4.500in./114.3mm	5
42979E	4.250in./108mm	10	45859E	4.250in./108mm	10	733863	4.375in./111.1mm	6	5144867	5.000in./127mm	11
43526D	4.500in./114.3mm	10	45868G	4.250in./108mm	10	734452	4.375in./111.1mm	6	5181377	4.500in./114.3mm	5
43526E	4.250in./108mm	10	46024E	4.250in./108mm	10	734542	4.375in./111.1mm	6	6116028	4.500in./114.3mm	1

CLARK (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
7325596	4.375in./111.1mm	6	F400C-209	4.375in./111.1mm	6	F600C-368	4.375in./111.1mm	8	Y400C-225	3.500in./88.9mm	3
B600C-601	4.375in./111.1mm	6	F400C-222	4.375in./111.1mm	4	F600C-500A	4.375in./111.1mm	8	Y400C-225	3.500in./88.9mm	2
C-5145	4.250in./108mm	10	F400C-228	4.375in./111.1mm	4	F600C-502	4.375in./111.1mm	8	Y400C-226	3.500in./88.9mm	3
D186C-300	4.375in./111.1mm	6	F400C-314	4.375in./111.1mm	4	F600C-502A	4.375in./111.1mm	8	Y400C-334	3.500in./88.9mm	2
D600C-218	4.375in./111.1mm	6	F400C-321	4.375in./111.1mm	4	F600C-504	4.375in./111.1mm	8	Y400C-335	3.500in./88.9mm	2
D600C-368	4.375in./111.1mm	6	F400C-324	4.375in./111.1mm	4	F600C-506A	4.375in./111.1mm	8	Y400C-338	3.500in./88.9mm	2
D600C-601	4.375in./111.1mm	6	F400C-359	4.375in./111.1mm	4	F600C-536	4.375in./111.1mm	8	Y400C-508	3.500in./88.9mm	3
D600C-602	4.375in./111.1mm	6	F400C-368	4.375in./111.1mm	4	F600C-601	4.375in./111.1mm	8	Y400C-508	3.500in./88.9mm	2
D600C-603	4.375in./111.1mm	6	F400C-500	4.375in./111.1mm	4	F600C-606A	4.375in./111.1mm	8	Y400C-511	3.500in./88.9mm	3
F140C-303	4.375in./111.1mm	4	F400C-501	4.375in./111.1mm	4	F600C-606C	4.375in./111.1mm	8	Y400C-511D	3.500in./88.9mm	2
F162C-319	4.375in./111.1mm	4	F400C-503	4.375in./111.1mm	4	Y112C-300	3.500in./88.9mm	3			
F186C-300	4.375in./111.1mm	6	F600C-217	4.375in./111.1mm	8	Y400C-213	3.500in./88.9mm	3			
F400C-209	4.375in./111.1mm	4	F600C-344	4.375in./111.1mm	8	Y400C-216	3.500in./88.9mm	3			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

3 CYL

1	159 CID (2.6L) 3-53 Detroit Diesel Supercharged Diesel 3 Cyl					3.875in./98.4mm x 4.500in./114.3mm			1
Rod Bearing(3)	TM-112	CB-1265P	STD,10,20,30,40		2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200
Main Bearing(4)	TM-112	MB-1897P	STD,10,20,30		2.9990/3.0000	0.0013/0.0043	0.1250	3.2510/3.2520	1.1850
Thrust Washer Set		TW-412S MB-2522W	STD		3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MB-1897P									
Cam Bearing Set	C-1	SH-699S	STD						
1-3		SH-686			2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100
2		SH-687			2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings									
Piston Pin Bushing(3)	C-1	223-3622	STD				0.1225	1.6005/1.6010	0.7550
NOTE: Requires Boring									
Rod Forging	5121248								
C/S Forging	5116022, 5116029, 6116028								
Connecting Rod	40 To 45 Lbs.Ft.								
Main Bearing	120 To 130 Lbs.Ft.								

4 CYL

2	69 CID (1.1L) Y69 Continental 4 Cyl					2.500in./63.5mm x 3.500in./88.9mm			2
	91 CID (1.5L) Y91 Continental 4 Cyl					2.875in./73mm x 3.500in./88.9mm			
Rod Bearing(2)	TM-112	CB-278P	STD,10,20,30		1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050
NOTE: Positions 1 And 3									
Rod Bearing(2)	TM-112	CB-279P	STD,10,20,30		1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050
NOTE: Positions 2 And 4									
Main Bearing Set	TM-77	MS-806P	STD,10,30						
1		MB-2366P			1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.2230
2		MB-1651P			1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470
3		MB-1652P			1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains Straight Shell Bearings, Use With Part Number TW-143S									
Main Bearing Set	TM-77	MS-1627P	STD,10,30						
1		MB-2982P(F)			1.7475/1.7485	0.0005/0.0023	0.0623	1.8740/1.8747	1.3930
2		MB-1651P			1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470
3		MB-1652P			1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470
NOTE: Contains Half Flanged Bearing									
Thrust Washer Set		TW-143S MB-1653W	STD		1.7812			2.6250	0.0950
NOTE: Contains 2 Pieces, Position Number 1, Use With Part Number MS-806P									
Cam Bearing Set	AL-3	SH-191S	STD						
1		SH-191			1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2		SH-56			1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57			1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3503	STD				0.0320	0.7622/0.7632	1.0630
NOTE: Requires Light Reaming									

CLARK (Cont.)

CLARK (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
2 (Cont.)	69 CID (1.1L) Y69 Continental 4 Cyl 91 CID (1.5L) Y91 Continental 4 Cyl				2.500in./63.5mm x 3.500in./88.9mm 2.875in./73mm x 3.500in./88.9mm			2 (Cont.)
Rod Forging	Y400D-400							
C/S Forging	Y400C-225, Y400C-334, Y400C-335, Y400C-338, Y400C-508, Y400C-511D							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
3	112 CID (1.8L) Y112 Continental 4 Cyl				3.187in./80.95mm x 3.500in./88.9mm			3
Rod Bearing(2)	TM-112	CB-278P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050
NOTE: Positions 1 And 3								
Rod Bearing(2)	TM-112	CB-279P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050
NOTE: Positions 2 And 4								
Main Bearing Set	TM-77	MS-806P	STD,10,30					
1		MB-2366P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.2230
2		MB-1651P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470
3		MB-1652P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains Straight Shell Bearings, Use With Part Number TW-143S								
Thrust Washer Set		TW-143S	STD	1.7812			2.6250	0.0950
		MB-1653W						
NOTE: Contains 1 Piece, Position Number 1, Use With Part Number MS-806P								
Cam Bearing Set	AL-3	SH-191S	STD					
1		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3503	STD			0.0320	0.7622/0.7632	1.0630
NOTE: Requires Light Reaming								
Rod Forging	Y400D-400, Y400D-401, Y400D-402, Y400D-403							
C/S Forging	400C-213, 400C-226, Y112C-300, Y400C-213, Y400C-216, Y400C-225, Y400C-226, Y400C-508, Y400C-511							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
4	162 CID (2.7L) F4162 Continental 4 Cyl				3.438in./87.33mm x 4.375in./111.1mm			4
Rod Bearing(2)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 2 And 4								
Rod Bearing(2)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 1 And 3								
Main Bearing Set	TM-77	MS-176P-10	20					
1		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
2		MB-1406P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.6300
3		MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set(2)		TW-424S	STD	2.2812			3.0625	0.0960
		MB-1403W						
NOTE: Contains 1 Piece, Position Number 1, Use With Part Number MS-176P-10								
Cam Bearing Set	AL-3	SH-56S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	F400D-500, F400D-502, F218D-3020							
C/S Forging	400C-209, 400C-500, F140C-303, F162C-319, F400C-209, F400C-222, F400C-228, F400C-314, F400C-321, F400C-324, F400C-359, F400C-368, F400C-500, F400C-501, F400C-503							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							

CLARK (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
5	212 CID (3.5L) 4-53 Detroit Diesel Supercharged Diesel 4 Cyl				3.875in./98.4mm x 4.500in./114.3mm			5
Rod Bearing(4)	TM-112	CB-1265P	STD,10,20,30,40	2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200
Main Bearing Set 1-2-3-4-5	TM-112	MS-502P MB-1897P MB-2522W	STD,10,20,30	2.9990/3.0000 3.3380/3.3480	0.0013/0.0043	0.1250	3.2510/3.2520 4.2700/4.2800	1.1850 0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-412S MB-2522W	STD	3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-502P								
Cam Bearing Set 1-5 2-4 3	C-1	SH-700S SH-686 SH-687 SH-688	STD	2.1820/2.1825 2.1820/2.1825 2.1820/2.1825	0.0039/0.0065 0.0040/0.0065 0.0039/0.0065	0.0943 0.0893 0.0843	2.3750/2.3760 2.3650/2.3660 2.3550/2.3560	1.5100 1.5100 1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings								
Piston Pin Bushing(4)	C-1	223-3622	STD			0.1225	1.6005/1.6010	0.7550
NOTE: Requires Boring								
Rod Forging	5121248							
C/S Forging	5103318, 5116022, 5116029, 5181377							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	120 To 130 Lbs.Ft.							
6 CYL								
6	209 CID (3.4L) F209 Continental 6 Cyl				3.188in./80.98mm x 4.375in./111.1mm			6
Rod Bearing(3)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 2,4, And 6								
Rod Bearing(3)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 1,3, And 5								
Main Bearing Set 1 2-3 4	TM-77	MS-194P-10 MB-1403P MB-1404P MB-1405P	20,30	2.2490/2.2500 2.2490/2.2500 2.2490/2.2500	0.0005/0.0027 0.0005/0.0027 0.0001/0.0028	0.0932 0.0932 0.0932	2.4365/2.4372 2.4365/2.4372 2.4365/2.4372	1.1300 1.3170 1.6300
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains Straight Shell Bearings,Contains 1 Piece Thrust Washer Set, Use In Number 1 Position								
Thrust Washer Set(2)		TW-424S MB-1403W	STD	2.2812			3.0625	0.0960
NOTE: Contains 1 Piece, Position Number 1								
Cam Bearing Set 1 2 3 4	AL-3	SH-190S SH-1211 SH-191 SH-56 SH-57	STD	1.8715/1.8725 1.8085/1.8095 1.7457/1.7465 1.2465/1.2475	0.0020/0.0050 0.0020/0.0050 0.0024/0.0057 0.0010/0.0050	0.0628 0.0630 0.0628 0.0628	1.9995/2.0000 1.9370/1.9380 1.8745/1.8750 1.3745/1.3750	0.8850 0.9480 1.6350 1.1660
Rod Forging	D600D-500, F400D-502, F600D-500, F600D-502, F218D-3022, F218D-3032							
C/S Forging	209229, 732596, 733536, 733863, 734452, 734542, 928928, 7325596, B600C-601, D186C-300, D600C-218, D600C-368, D600C-601, D600C-602, D600C-603, F186C-300, F400C-209							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	100 To 110 Lbs.Ft.							
7	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler 6 Cyl (1942-1954)				3.250in./82.6mm x 4.375in./111.1mm			7
Rod Bearing(6)	TM-77	CB-60G	STD,10,20,30,40,50,60	2.0615/2.0625	0.0006/0.0027	0.0525	2.1675/2.1680	1.0050
Main Bearing Set 1 2-3 4	TM-77	MS-523P-10 MB-2011P MB-2012P MB-122P(F)	20,30,C60	2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0005/0.0025 0.0005/0.0025 0.0005/0.0025	0.0779 0.0779 0.0779	2.6565/2.6570 2.6565/2.6570 2.6565/2.6570	1.2400 1.0360 1.8710
Cam Bearing Set 1 2 3	B-1	SH-23S SH-23 SH-24 SH-25	STD	1.9980/1.9990 1.9665/1.9675 1.9350/1.9360	0.0005/0.0040 0.0010/0.0050 0.0010/0.0050	0.0650 0.0650 0.0650	2.1290/2.1300 2.0985/2.0995 2.0670/2.0680	1.1010 0.8820 0.8820
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, .919" Outside Diameter								

CLARK (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
7 (Cont.)	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler 6 Cyl (1942-1954)			3.250in./82.6mm x 4.375in./111.1mm				7 (Cont.)
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	9300, 9410, 617925, 868896, 952118, 954371, 954408, 1554471, 1554530							
C/S Forging	620035, 856080, 864719, 952068, 1316540							
Connecting Rod	45 To 50 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	50 To 75 Lbs.Ft. (7/16" Bolts)							
Main Bearing	80 To 85 Lbs.Ft.							
8	226 CID (3.7L) F226 Continental Flex 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				8
Rod Bearing(6)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402, Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Main Bearing Set 1	TM-77	MS-440P-20		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2-3		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5615/2.5622	1.3170
4		MB-1225P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.4890
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1, Contains Straight Shell Bearings								
Thrust Washer Set		TW-417S	STD	2.4062			3.3125	0.1260
NOTE: Contains 1 Piece, Front, Position Number 1								
Thrust Washer Set		TW-418S	STD	2.4030			3.3750	0.0950
NOTE: Contains 1 Piece, Position Number 1, Rear								
Cam Bearing Set 1	AL-3	SH-190S	STD	1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-1211		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-191		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-56		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	F600D-310, F600D-402, F600D-405							
C/S Forging	F600C-217, F600C-344, F600C-368, F600C-502, F600C-504, F600C-536, F600C-601, F600C-500A, F600C-502A, F600C-506A, F600C-606A, F600C-606C							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
9	237 CID (3.9L) QXLD3 Hercules 6 Cyl			3.438in./87.33mm x 4.250in./108mm				9
Rod Bearing(6)	TM-112	CB-341P	STD,10,20	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.0280
Cam Bearing Set 1-4	B-1	SH-322S	STD	1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	1.0340
2-3		SH-322		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	0.5650
		SH-323						
10	320 CID (5.2L) JXD Hercules 6 Cyl			4.000in./101.6mm x 4.250in./108mm				10
	339 CID (5.6L) JXLD Hercules 6 Cyl			4.000in./101.6mm x 4.500in./114.3mm				
Rod Bearing(6)	TM-112	CB-340P	STD,10,20,30,40	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640
NOTE: Contains 2 Shims								
Cam Bearing Set 1-4	B-1	SH-198S	STD	2.0530/2.0540	0.0005/0.0040	0.0668	2.1870/2.1880	1.1350
2-3		SH-197		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230
NOTE: From Engine Serial Number 501088								
Rod Forging	40090C, 40390C, 43102C, 44119C							
C/S Forging	43532, 40091E, 40094D, 40094E, 40950E, 40991E, 42947E, 42974E, 42979E, 43526D, 43526E, 43528B, 43528E, 43531E, 44025E, 45853D, 45853E, 45855E, 45857E, 45859B, 45859D, 45859E, 45868G, 46024E, 50024E, C-5145, 140025D, 140026D, 155025E, 220426C							

CLARK (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
10 (Cont.)	320 CID (5.2L) JXD Hercules 6 Cyl				4.000in./101.6mm x 4.250in./108mm			10 (Cont.)
	339 CID (5.6L) JXLD Hercules 6 Cyl				4.000in./101.6mm x 4.500in./114.3mm			
Connecting Rod	53 To 56 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
8 CYL								
11	568 CID (9.3L) 8V-71 Detroit Diesel Diesel V8 Cyl				4.250in./108mm x 5.000in./127mm			11
Rod Bearing(8)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing Set 1-2-3-4-5	TM-112	MS-1386P	STD,10,20,30	4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450
5		MB-2687P		4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-402S	STD					
		MB-2523W		4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 5								
Cam Bearing Set	C-1	SH-476RS	STD,20					
		SH-476R		1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(12)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(12)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS	STD					
		SH-477W		1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(16)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Rod Forging	5135051, 5144384							
C/S Forging	511706, 5103281, 5144867							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	155 To 185 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							

COCKSHUTT

ENGINE DATA							
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block		
4 CYL			6 CYL (Cont.)				
4-53 Detroit Diesel 212 CID (3.5L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	5	185GA Waukesha 194 CID (3.2L)	3.313in./84.2mmX3.750in./95.3mm	6		
DD198 Hercules 198 CID (3.2L)	3.750in./95.3mmX4.500in./114.3mm	4	190DKB Waukesha 265 CID (4.3L) Diesel	3.750in./95.3mmX4.000in./101.6mm	12		
F140 Continental 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	3	190DLB Waukesha 265 CID (4.3L) Diesel	3.750in./95.3mmX4.000in./101.6mm	12		
VF4 Wisconsin 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	1	190GLB Waukesha 265 CID (4.3L) Flex	3.750in./95.3mmX4.000in./101.6mm	12		
VH4D Wisconsin 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	2	F226 Continental 226 CID (3.7L) Flex	3.313in./84.1mmX4.375in./111.1mm	8		
6 CYL			FA226 Continental 226 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	8		
5/5A/6/6A/30/31 Chrysler 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	7	Ind 7 Chrysler 237 CID (3.9L)	3.438in./87.33mmX4.250in./108mm	11		
6B230 Buda 230 CID (3.8L)	3.438in./87.33mmX4.125in./104.8mm	9	Ind 7A Chrysler 237 CID (3.9L)	3.438in./87.33mmX4.250in./108mm	11		
6B230 Buda 230 CID (3.8L) LPG	3.438in./87.33mmX4.125in./104.8mm	10	Ind 8 Chrysler 251 CID (4.1L)	3.438in./87.33mmX4.500in./114.3mm	11		
185DAC Waukesha 194 CID (3.2L) Diesel	3.313in./84.2mmX3.750in./95.3mm	6	Ind 8A Chrysler 251 CID (4.1L)	3.438in./87.33mmX4.500in./114.3mm	11		
MODEL DATA							
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
18 Base Model	Combine	108 CID (1.8L) VH4D Wisconsin	2	25 Base Model	Combine	226 CID (3.7L) FA226 Continental	8
20 Base Model	Wheel Tractor	140 CID (2.3L) F140 Continental	3	40 Gas	Wheel Tractor	230 CID (3.8L) 6B230 Buda	10

COCKSHUTT (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
62 W	Baler	108 CID (1.8L) VH4D Wisconsin	2	SP110 Base Model	Combine	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler	7
325 Base Model	Combine	108 CID (1.8L) VF4 Wisconsin	1	SP110 Base Model	Combine	237 CID (3.9L) Ind 7A Chrysler	11
422 Base Model	Combine	108 CID (1.8L) VF4 Wisconsin	1	SP112 Base Model	Combine	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler	7
422 Base Model	Combine	140 CID (2.3L) F140 Continental	3	SP112 Base Model	Combine	237 CID (3.9L) Ind 7A Chrysler	11
525 Base Model	Combine	251 CID (4.1L) Ind 8A Chrysler	11	SP115 Base Model	Combine	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler	7
550 Diesel	Wheel Tractor	198 CID (3.2L) DD198 Hercules	4	SP115 Base Model	Combine	237 CID (3.9L) Ind 7A Chrysler	11
620 Base Model	Baler	108 CID (1.8L) VH4D Wisconsin	2	SP115 Base Model	Combine	251 CID (4.1L) Ind 8A Chrysler	11
770 Gas	Wheel Tractor	194 CID (3.2L) 185GA Waukesha	6	SP132 Base Model	Combine	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler	7
880 Gas	Wheel Tractor	265 CID (4.3L) 190GLB Waukesha	12	SP137 Base Model	Combine	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler	7
1600 Diesel	Wheel Tractor	265 CID (4.3L) 190DLB Waukesha Diesel	12	SP137 Base Model	Combine	237 CID (3.9L) Ind 7A Chrysler	11
1650 Diesel	Wheel Tractor	265 CID (4.3L) 190DKB Waukesha Diesel	12	SP137 Base Model	Combine	251 CID (4.1L) Ind 8A Chrysler	11
1900 Diesel	Wheel Tractor	212 CID (3.5L) 4-53 Detroit Diesel Diesel	5	SP428 Base Model	Combine	251 CID (4.1L) Ind 8A Chrysler	11
1950 Diesel	Wheel Tractor	212 CID (3.5L) 4-53 Detroit Diesel Diesel	5	SP429 Base Model	Combine	251 CID (4.1L) Ind 8A Chrysler	11

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
9300	4.375in./111.1mm	7	666746	4.250in./108mm	11	954428	4.250in./108mm	11	4500141	4.125in./104.8mm	10
9410	4.375in./111.1mm	7	666746	4.500in./114.3mm	11	954428	4.500in./114.3mm	11	5121248	4.500in./114.3mm	5
180000-C	3.750in./95.3mm	6	868896	4.375in./111.1mm	7	954448	4.250in./108mm	11	F218D-3020	4.375in./111.1mm	3
180007-B	3.750in./95.3mm	6	952118	4.375in./111.1mm	7	1400244	4.250in./108mm	11	F400D-500	4.375in./111.1mm	3
288090D	4.500in./114.3mm	4	954371	4.375in./111.1mm	7	1400244	4.500in./114.3mm	11	F400D-502	4.375in./111.1mm	3
617925	4.375in./111.1mm	7	954408	4.375in./111.1mm	7	1554471	4.375in./111.1mm	7	F600D-310	4.375in./111.1mm	8
665679	4.250in./108mm	11	954418	4.250in./108mm	11	1554530	4.375in./111.1mm	7	F600D-402	4.375in./111.1mm	8
665679	4.500in./114.3mm	11	954418	4.500in./114.3mm	11	4500141	4.125in./104.8mm	9	F600D-405	4.375in./111.1mm	8

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
400C-209	4.375in./111.1mm	3	863706	4.500in./114.3mm	11	4514467	4.125in./104.8mm	9	F400C-359	4.375in./111.1mm	3
400C-500	4.375in./111.1mm	3	864718	4.250in./108mm	11	4514467	4.125in./104.8mm	10	F400C-368	4.375in./111.1mm	3
185111	3.750in./95.3mm	6	864718	4.500in./114.3mm	11	5103318	4.500in./114.3mm	5	F400C-500	4.375in./111.1mm	3
186211	3.750in./95.3mm	6	864719	4.375in./111.1mm	7	5116022	4.500in./114.3mm	5	F400C-501	4.375in./111.1mm	3
186211-A	3.750in./95.3mm	6	870715	4.250in./108mm	11	5116029	4.500in./114.3mm	5	F400C-503	4.375in./111.1mm	3
186311	3.750in./95.3mm	6	870715	4.500in./114.3mm	11	5181377	4.500in./114.3mm	5	F600C-217	4.375in./111.1mm	8
192211B	4.000in./101.6mm	12	870744	4.500in./114.3mm	11	B-2106	4.125in./104.8mm	9	F600C-344	4.375in./111.1mm	8
195311	4.000in./101.6mm	12	952068	4.375in./111.1mm	7	B-2106	4.125in./104.8mm	10	F600C-368	4.375in./111.1mm	8
250026F	4.500in./114.3mm	4	1316540	4.375in./111.1mm	7	B-2107	4.125in./104.8mm	9	F600C-500A	4.375in./111.1mm	8
256025E	4.500in./114.3mm	4	4502106	4.125in./104.8mm	9	B-2107	4.125in./104.8mm	10	F600C-502	4.375in./111.1mm	8
256026E	4.500in./114.3mm	4	4502106	4.125in./104.8mm	10	CA-55	3.250in./82.6mm	1	F600C-502A	4.375in./111.1mm	8
285360F	4.500in./114.3mm	4	4502107	4.125in./104.8mm	9	F140C-303	4.375in./111.1mm	3	F600C-504	4.375in./111.1mm	8
620035	4.375in./111.1mm	7	4502107	4.125in./104.8mm	10	F162C-319	4.375in./111.1mm	3	F600C-506A	4.375in./111.1mm	8
665792	4.250in./108mm	11	4505959	4.125in./104.8mm	9	F400C-209	4.375in./111.1mm	3	F600C-536	4.375in./111.1mm	8
665792	4.500in./114.3mm	11	4505959	4.125in./104.8mm	10	F400C-222	4.375in./111.1mm	3	F600C-601	4.375in./111.1mm	8
666739	4.500in./114.3mm	11	4507700	4.125in./104.8mm	9	F400C-228	4.375in./111.1mm	3	F600C-606A	4.375in./111.1mm	8
673498	4.500in./114.3mm	11	4507700	4.125in./104.8mm	10	F400C-314	4.375in./111.1mm	3	F600C-606C	4.375in./111.1mm	8
762706	4.500in./114.3mm	11	4514465	4.125in./104.8mm	9	F400C-321	4.375in./111.1mm	3			
856080	4.375in./111.1mm	7	4514465	4.125in./104.8mm	10	F400C-324	4.375in./111.1mm	3			

COUNTER DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	108 CID (1.8L) VF4 Wisconsin V4 Cyl			3.250in./82.6mm x 3.250in./82.6mm				1
Rod Bearing(4)	B-2	CB-983M	STD,10	1.7500/1.7510	0.0014/0.0035	0.0613	1.8745/1.8750	0.8640

COCKSHUTT (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
1 (Cont.)	108 CID (1.8L) VF4 Wisconsin V4 Cyl			3.250in./82.6mm x 3.250in./82.6mm				1 (Cont.)
Piston Pin Bushing(4)	C-1	223-3471	STD		0.0710	0.8700/0.8735	1.0100	
NOTE: Requires Light Reaming								
C/S Forging CA-55								
Connecting Rod 24 Lbs.Ft. Main Bearing 30 Lbs.Ft.								
2	108 CID (1.8L) VH4D Wisconsin V4 Cyl			3.250in./82.6mm x 3.250in./82.6mm				2
Rod Bearing(4)	B-2	CB-979M	STD,10,20	1.8750/1.8760	0.0014/0.0035	0.0613	1.9995/2.0000	0.8640
Piston Pin Bushing(4)	C-1	223-3471	STD		0.0710	0.8700/0.8735	1.0100	
NOTE: Requires Light Reaming								
Connecting Rod 24 Lbs.Ft. Main Bearing 30 Lbs.Ft.								
3	140 CID (2.3L) F140 Continental 4 Cyl			3.188in./80.98mm x 4.375in./111.1mm				3
Rod Bearing(2)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 2 And 4								
Rod Bearing(2)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 1 And 3								
Main Bearing Set 1	TM-77	MS-176P-10	20,30	2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
2		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.6300
3		MB-1406P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1, Contains Straight Shell Bearings								
Thrust Washer Set(2)		TW-424S	STD	2.2812			3.0625	0.0960
NOTE: Contains 1 Piece, Position Number 1, Use With Part Number MS-176P-10								
Cam Bearing Set 1	AL-3	SH-56S	STD	1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-1211		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-56		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3349	STD		0.0325	0.9130/0.9140	1.1250	
NOTE: Requires Light Reaming, Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD		0.2230	1.0625/1.0635	1.1250	
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging F400D-500, F400D-502, F218D-3020 C/S Forging 400C-209, 400C-500, F140C-303, F162C-319, F400C-209, F400C-222, F400C-228, F400C-314, F400C-321, F400C-324, F400C-359, F400C-368, F400C-500, F400C-501, F400C-503								
Connecting Rod 20 To 25 Lbs.Ft. Main Bearing 35 To 40 Lbs.Ft.								
4	198 CID (3.2L) DD198 Hercules 4 Cyl			3.750in./95.3mm x 4.500in./114.3mm				4
Rod Bearing(4)	TM-112	CB-340P	STD,10,20,30,40	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640
NOTE: Engines with 2.00" Crankpins and 2.500" Main Journals, Contains 2 Shims								
Rod Bearing(4)	TM-112	CB-704P	STD,10,20,30	2.3730/2.3740	0.0013/0.0043	0.0756	2.5260/2.5270	1.1640
NOTE: Engines with 2.375" Crankpins and 2.875" Main Journals								
Main Bearing Set 1-2-4-5	TM-112	MS-1681P	STD,10	2.8734/2.8744	0.0012/0.0037	0.0956	3.0665/3.0670	1.0360
3		MB-2185P		2.8734/2.8744	0.0018/0.0043	0.0953	3.0665/3.0670	2.1190
NOTE: Engines with 2.875" Main Journals, Upper And Lower Bearing Halves Have Locating Lug In The Same Position								
Cam Bearing Set 1-4	B-1	SH-562S	STD	2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	1.0720
2-3		SH-561		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230
Rod Forging 288090D C/S Forging 250026F, 256025E, 256026E, 285360F								

COCKSHUTT (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
4 (Cont.)	198 CID (3.2L) DD198 Hercules 4 Cyl			3.750in./95.3mm x 4.500in./114.3mm				4 (Cont.)
Connecting Rod	56 Lbs.Ft.							
Main Bearing	70 To 80 Lbs.Ft.							
5	212 CID (3.5L) 4-53 Detroit Diesel Supercharged Diesel 4 Cyl			3.875in./98.4mm x 4.500in./114.3mm				5
Rod Bearing(4)	TM-112	CB-1265P	STD,10,20,30,40	2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200
Main Bearing Set	TM-112	MS-502P	STD,10,20,30					
1-2-3-4-5		MB-1897P		2.9990/3.0000	0.0013/0.0043	0.1250	3.2510/3.2520	1.1850
5		MB-2522W		3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-412S	STD					
		MB-2522W		3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Pieces, Position Number 5								
Cam Bearing Set	C-1	SH-700S	STD					
1-5		SH-686		2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100
2-4		SH-687		2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100
3		SH-688		2.1820/2.1825	0.0039/0.0065	0.0843	2.3550/2.3560	1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings								
Piston Pin	C-1	223-3622	STD					
Bushing(4)								
NOTE: Requires Boring								
Rod Forging	5121248							
C/S Forging	5103318, 5116022, 5116029, 5181377							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	120 To 130 Lbs.Ft.							
6 CYL								
6	194 CID (3.2L) 185DAC Waukesha Diesel 6 Cyl			3.313in./84.2mm x 3.750in./95.3mm				6
	194 CID (3.2L) 185GA Waukesha 6 Cyl			3.313in./84.2mm x 3.750in./95.3mm				
Rod Bearing(6)	TM-112	CB-446P	STD,10,20	1.9990/2.0000	0.0005/0.0030	0.0617	2.1235/2.1240	1.1190
NOTE: Engines With 2.000" Crankpins								
Main Bearing Set	TM-112	MS-406P	STD,10,20,30					
1-2-4		MB-1629P		2.2490/2.2500	0.0002/0.0032	0.0854	2.4210/2.4220	1.3800
3		MB-1786P(F)		2.2290/2.2300	0.0002/0.0032	0.0854	2.4210/2.4220	1.6230
Cam Bearing Set	B-1	SH-330S	STD					
1		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
Piston Pin	C-1	223-3514	STD					
Bushing(12)								
NOTE: 2 Per Rod,Requires Boring								
Rod Forging	180000-C, 180007-B							
C/S Forging	185111, 186211, 186311, 186211-A							
Connecting Rod	44 To 45 Lbs.Ft. (Lubricated Bolts)							
Connecting Rod	46 To 50 Lbs.Ft. (Dry Bolts)							
Main Bearing	87 To 92 Lbs.Ft.							
7	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler 6 Cyl (1942-1954)			3.250in./82.6mm x 4.375in./111.1mm				7
Rod Bearing(6)	TM-77	CB-60G	STD,10,20,30,40,50,60	2.0615/2.0625	0.0006/0.0027	0.0525	2.1675/2.1680	1.0050
Main Bearing Set	TM-77	MS-523P-10	20,30					
1		MB-2011P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.2400
2-3		MB-2012P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.0360
4		MB-122P(F)		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-23S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-24		1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820
3		SH-25		1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820
Piston Pin	B	223-3349	STD					
Bushing(6)								
NOTE: Requires Light Reaming, .919" Outside Diameter								
Piston Pin	C-1	223-3429	STD					
Bushing(6)								
NOTE: Requires Light Reaming, 1.066" Outside Diameter								

COCKSHUTT (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
7 (Cont.)	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler 6 Cyl (1942-1954)				3.250in./82.6mm x 4.375in./111.1mm			7 (Cont.)
Rod Forging	9300, 9410, 617925, 868896, 952118, 954371, 954408, 1554471, 1554530							
C/S Forging	620035, 856080, 864719, 952068, 1316540							
Connecting Rod	45 To 50 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	50 To 75 Lbs.Ft. (7/16" Bolts)							
Main Bearing	80 To 85 Lbs.Ft.							
8	226 CID (3.7L) F226 Continental Flex 6 Cyl				3.313in./84.1mm x 4.375in./111.1mm			8
	226 CID (3.7L) FA226 Continental 6 Cyl				3.313in./84.1mm x 4.375in./111.1mm			
Rod Bearing(6)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Main Bearing Set	TM-77	MS-440P-20						
1		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2-3		MB-1225P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5615/2.5622	1.3170
4		MB-1226P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.4890
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set		TW-417S	STD					
		MB-1224FW		2.4062			3.3125	0.1260
NOTE: Contains 1 Piece, Front,Position Number 1								
Thrust Washer Set		TW-418S	STD					
		MB-1224RW		2.4030			3.3750	0.0950
NOTE: Contains 1 Piece, Position Number 1,Rear								
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	F600D-310, F600D-402, F600D-405							
C/S Forging	F600C-217, F600C-344, F600C-368, F600C-502, F600C-504, F600C-536, F600C-601, F600C-500A, F600C-502A, F600C-506A, F600C-606A, F600C-606C							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
9	230 CID (3.8L) 6B230 Buda 6 Cyl				3.438in./87.33mm x 4.125in./104.8mm			9
Rod Bearing(6)	TM-112	CB-458P	STD,2,10,20,30,40	1.9975/1.9985	0.0016/0.0041	0.0802	2.1600/2.1605	1.2500
Main Bearing Set	TM-112	MS-227P	STD,10,20,30					
1		MB-1669P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.2550
2-3-5-6		MB-1670P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.1300
4		MB-1671P(F)		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.8720
7		MB-1681P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.7550
Cam Bearing Set	B-1	SH-386S	STD					
1		SH-386		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	1.1300
2-3		SH-387		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	0.8800
4		SH-388		1.2480/1.2490	0.0020/0.0050	0.0615	1.3740/1.3750	1.0100
Piston Pin Bushing(6)	C-1	223-3507	STD			0.0730	1.1270/1.1275	1.2560
NOTE: Requires Boring								
Rod Forging	4500141							
C/S Forging	B-2106, B-2107, 4502106, 4502107, 4505959, 4507700, 4514465, 4514467							
Connecting Rod	50 To 60 Lbs.Ft.							
Main Bearing	125 To 135 Lbs.Ft.							

COCKSHUTT (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
10	230 CID (3.8L) 6B230 Buda LPG 6 Cyl			3.438in./87.33mm x 4.125in./104.8mm				10
Rod Bearing(6)	TM-112	CB-458P	STD,2,10,20,30,40	1.9975/1.9985	0.0016/0.0041	0.0802	2.1600/2.1605	1.2500
Main Bearing Set	TM-112	MS-227P	STD,10,20,30					
1		MB-1669P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.2550
2-3-5-6		MB-1670P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.1300
4		MB-1671P(F)		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.8720
7		MB-1681P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.7550
Cam Bearing Set	B-1	SH-386S	STD					
1		SH-386		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	1.1300
2-3		SH-387		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	0.8800
4		SH-388		1.2480/1.2490	0.0020/0.0050	0.0615	1.3740/1.3750	1.0100
Piston Pin Bushing(6)	C-1	223-3507	STD			0.0730	1.1270/1.1275	1.2560
NOTE: Requires Boring								
Rod Forging	4500141							
C/S Forging	B-2106, B-2107, 4502106, 4502107, 4505959, 4507700, 4514465, 4514467							
Connecting Rod	50 To 60 Lbs.Ft.							
Main Bearing	125 To 135 Lbs.Ft.							
11	237 CID (3.9L) Ind 7,Ind 7A Chrysler 6 Cyl			3.438in./87.33mm x 4.250in./108mm				11
	251 CID (4.1L) Ind 8,Ind 8A Chrysler 6 Cyl			3.438in./87.33mm x 4.500in./114.3mm				
Rod Bearing(6)	TM-77	CB-90P	STD,1,10,20,30,40,C60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	1.0850
Main Bearing Set	TM-77	MS-107P	STD,10,20					
1-2-3		MB-327P		2.4995/2.5005	0.0011/0.0036	0.0776	2.6565/2.6570	1.1810
4		MB-328P(F)		2.4995/2.5005	0.0017/0.0042	0.0774	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-37S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-37		1.9665/1.9675	0.0005/0.0045	0.0652	2.0985/2.0995	1.0700
3		SH-38		1.9350/1.9360	0.0005/0.0044	0.0653	2.0670/2.0680	1.0690
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	665679, 666746, 954418, 954428, 954448, 1400244							
C/S Forging	665792, 666739, 673498, 762706, 863706, 864718, 870715, 870744							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
12	265 CID (4.3L) 190DKB,190DLB Waukesha Diesel 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm				12
	265 CID (4.3L) 190GLB Waukesha Flex 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm				
Piston Pin Bushing(12)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570
NOTE: 2 Per Rod,Requires Boring								
C/S Forging	195311, 192211B							
Connecting Rod	87 To 92 Lbs.Ft.							
Main Bearing	109 To 112 Lbs.Ft.							

CONTINENTAL					
ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
2 CYL			4 CYL (Cont.)		
TM13 1342CC (1.3L)	3.583in./91mmX4.063in./103.2mm	1	P410 91 CID (1.5L)	2.875in./73mmX3.500in./88.9mm	6
TMD13 1342CC (1.3L) Diesel	3.583in./91mmX4.063in./103.2mm	1	PF124 124 CID (2.0L)	3.000in./76.2mmX4.375in./111.1mm	9
TMDT13 1342CC (1.3L) Diesel Turbocharged	3.583in./91mmX4.063in./103.2mm	2	PF140 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	9
3 CYL			PF162 162 CID (2.7L)	3.438in./87.33mmX4.375in./111.1mm	9
TM20 123 CID/2014CC (2.0L)	3.583in./91mmX4.063in./103.2mm	3	PF163 163 CID (2.7L)	3.438in./87.33mmX4.375in./111.1mm	15
TM20 123 CID/2014CC (2.0L) CNG	3.583in./91mmX4.063in./103.2mm	3	PY69 69 CID (1.1L)	2.500in./63.5mmX3.500in./88.9mm	6
TM20 123 CID/2014CC (2.0L) LPG	3.583in./91mmX4.063in./103.2mm	3	PY91 91 CID (1.5L)	2.875in./73mmX3.500in./88.9mm	6
TMD20 123 CID/2014CC (2.0L) Diesel	3.583in./91mmX4.063in./103.2mm	3	PY112 112 CID (1.8L)	3.188in./80.98mmX3.500in./88.9mm	7
TMDT20 123 CID/2014CC (2.0L) Diesel Turbocharged	3.583in./91mmX4.063in./103.2mm	4	PY4112 112 CID (1.8L)	3.188in./80.98mmX3.500in./88.9mm	7
4 CYL			TM27 164 CID/2685CC (2.7L)	3.583in./91mmX4.063in./103.2mm	16
A4124 124 CID (2.0L)	3.000in./76.2mmX4.375in./111.1mm	9	TM27 164 CID/2685CC (2.7L) CNG	3.583in./91mmX4.063in./103.2mm	16
BY112 112 CID (1.8L)	3.188in./80.98mmX3.500in./88.9mm	7	TM27 164 CID/2685CC (2.7L) LPG	3.583in./91mmX4.063in./103.2mm	16
BY4112 112 CID (1.8L)	3.187in./80.95mmX3.500in./88.9mm	7	TMD27 164 CID/2685CC (2.7L) Diesel	3.583in./91mmX4.063in./103.2mm	16
E201 201 CID (3.3L)	3.625in./92.1mmX4.875in./123.8mm	20	TMDT27 164 CID/2685CC (2.7L) Diesel Turbocharged	3.583in./91mmX4.063in./103.2mm	17
E208 208 CID (3.4L) Flex	3.687in./93.7mmX4.875in./123.8mm	20	Y69 69 CID (1.1L)	2.500in./63.5mmX3.500in./88.9mm	6
E223 223 CID (3.7L)	3.813in./96.9mmX4.875in./123.8mm	20	Y91 91 CID (1.5L)	2.875in./73mmX3.500in./88.9mm	6
E223 223 CID (3.7L) LPG	3.813in./96.9mmX4.875in./123.8mm	20	Y112 112 CID (1.8L)	3.187in./80.95mmX3.500in./88.9mm	6
E242 242 CID (4.0L) Flex	3.813in./96.9mmX5.125in./130.2mm	20	Y4069 69 CID (1.1L)	2.500in./63.5mmX3.500in./88.9mm	6
E243 243 CID (4.0L)	3.813in./96.9mmX4.875in./123.8mm	20	Y4091 91 CID (1.5L)	2.875in./73mmX3.500in./88.9mm	6
E400 208 CID (3.4L)	3.687in./93.7mmX4.875in./123.8mm	20	Y4112 112 CID (1.8L)	3.187in./80.95mmX3.500in./88.9mm	7
EB223 223 CID (3.7L)	3.875in./98.4mmX4.875in./123.8mm	20	Z120 120 CID (2.0L)	3.188in./80.98mmX3.750in./95.3mm	8
EB223 223 CID (3.7L) LPG	3.875in./98.4mmX4.875in./123.8mm	20	Z129 129 CID (2.1L)	3.250in./82.6mmX3.875in./98.4mm	8
EB242 242 CID (4.0L)	3.813in./96.9mmX5.125in./130.2mm	20	Z134 134 CID (2.2L)	3.313in./84.1mmX3.875in./98.4mm	10
EB242 242 CID (4.0L) LPG	3.813in./96.9mmX5.125in./130.2mm	20	Z145 145 CID (2.4L)	3.375in./85.7mmX4.063in./103.2mm	12
ED201 201 CID (3.3L)	3.625in./92.1mmX4.875in./123.8mm	20	6 CYL		
ED208 208 CID (3.4L) Diesel	3.687in./93.7mmX4.875in./123.8mm	20	24B 209 CID (3.4L)	3.188in./80.98mmX4.375in./111.1mm	25
ED242 242 CID (4.0L) Diesel	3.875in./98.4mmX5.125in./130.2mm	20	38B 290 CID (4.8L)	3.750in./95.3mmX3.750in./95.3mm	33
ED243 243 CID (4.0L)	3.813in./96.9mmX4.875in./123.8mm	20	38B 290 CID (4.8L)	3.750in./95.3mmX3.750in./95.3mm	33
F124 124 CID (2.0L)	3.000in./76.2mmX4.375in./111.1mm	9	40B 330 CID (5.4L)	4.000in./101.6mmX3.750in./95.3mm	33
F135 135 CID (2.2L)	3.125in./79.4mmX4.375in./111.1mm	11	40B 330 CID (5.4L)	4.000in./101.6mmX3.750in./95.3mm	33
F140 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	9	6226 226 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	25
F162 162 CID (2.7L)	3.438in./87.33mmX4.375in./111.1mm	9	A244 244 CID (4.0L)	3.438in./87.33mmX4.375in./111.1mm	30
F163 163 CID (2.7L)	3.438in./87.33mmX4.375in./111.1mm	11	A6244 244 CID (4.0L)	3.438in./87.33mmX4.375in./111.1mm	30
F198 198 CID (3.2L)	3.437in./87.3mmX4.375in./111.1mm	15	CF6226 226 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	27
F4124 124 CID (2.0L)	3.000in./76.2mmX4.375in./111.1mm	9	D202 202 CID (3.3L)	3.125in./79.4mmX4.375in./111.1mm	23

CONTINENTAL (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
F6242 242 CID (4.0L)	3.425in./87mmX4.375in./111.1mm	29	M6271 271 CID (4.4L)	3.625in./92.1mmX4.375in./111.1mm	33
F6244 244 CID (4.0L)	3.438in./87.33mmX4.375in./111.1mm	30	M6290 290 CID (4.8L)	3.750in./95.3mmX4.375in./111.1mm	33
F6245 245 CID (4.0L)	3.438in./87.3mmX4.375in./111.1mm	29	M6300 330 CID (5.4L)	4.000in./101.6mmX4.375in./111.1mm	33
FO6226 226 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	28	M6330 330 CID (5.4L)	4.000in./101.6mmX4.375in./111.1mm	33
K6271 271 CID (4.4L)	3.625in./92.1mmX4.375in./111.1mm	33	M6338 338 CID (5.6L)	4.000in./101.6mmX4.375in./111.1mm	33
K6290 290 CID (4.8L)	3.750in./95.3mmX4.375in./111.1mm	33	M6363 363 CID (5.9L)	4.000in./101.6mmX4.813in./122.3mm	33
K6330 330 CID (5.4L)	4.000in./101.6mmX4.375in./111.1mm	33	PD170 170 CID (2.8L)	3.000in./76.2mmX4.375in./111.1mm	23
K6363 363 CID (5.9L)	4.000in./101.6mmX4.813in./122.3mm	33	PD199 199 CID (3.3L)	3.250in./82.6mmX4.375in./111.1mm	23
K6427 427 CID (7.0L)	4.313in./109.6mmX4.875in./123.8mm	33	PD202 202 CID (3.3L)	3.125in./79.4mmX4.375in./111.1mm	23
L478 478 CID (7.8L)	3.563in./90.5mmX4.875in./123.8mm	34	PD218 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	23
L6478 478 CID (7.8L)	3.563in./90.5mmX4.875in./123.8mm	34	PF170 170 CID (2.8L)	3.000in./76.2mmX4.375in./111.1mm	23
LD465 465 CID Diesel	4.500in./114.3mmX4.875in./123.8mm	34	PF186 186 CID (3.0L)	3.000in./76.2mmX4.375in./111.1mm	23
LD478 478 CID (7.8L) Diesel	4.500in./114.3mmX4.875in./123.8mm	34	PF199 199 CID (3.3L)	3.250in./82.6mmX4.000in./101.6mm	23
LDS427 427 CID (7.0L) Diesel	4.313in./109.6mmX4.875in./123.8mm	34	PF209 209 CID (3.4L)	3.188in./80.98mmX4.375in./111.1mm	23
LDS465 465 CID Diesel	4.500in./114.3mmX4.875in./123.8mm	34	PF218 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	23
LDS478 478 CID (7.8L) Diesel	4.563in./115.9mmX4.875in./123.8mm	34	PF226 226 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	25
M271 271 CID (4.4L)	3.625in./92.1mmX4.375in./111.1mm	33	TM40 4019CC (4.0L)	3.583in./91mmX4.055in./103mm	32
M290 290 CID (4.8L)	3.750in./95.3mmX4.625in./117.5mm	33	TMD40 4019CC (4.0L) Diesel	3.583in./91mmX4.055in./103mm	32
M330 330 CID (5.4L)	4.000in./101.6mmX4.375in./111.1mm	33	TMD40 4019CC (4.0L) Diesel	3.583in./91mmX4.055in./103mm	32
M363 363 CID (5.9L)	4.000in./101.6mmX4.813in./122.3mm	33	Turbocharged		
M6253 253 CID (4.2L)	3.500in./88.9mmX4.375in./111.1mm	33			

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
731057	4.375in./111.1mm	11	F218D-3032	4.375in./111.1mm	24	F600D-310	4.375in./111.1mm	30	L478C-400	4.875in./123.8mm	34
731057	4.375in./111.1mm	15	F218D-3032	4.375in./111.1mm	26	F600D-402	4.375in./111.1mm	25	N56D-400	3.500in./88.9mm	5
731057	4.375in./111.1mm	29	F226-400	4.375in./111.1mm	11	F600D-402	4.375in./111.1mm	27	N62D-400	3.500in./88.9mm	5
731057	4.375in./111.1mm	31	F226-400	4.375in./111.1mm	15	F600D-402	4.375in./111.1mm	30	N560-400-0	3.500in./88.9mm	5
D600D-500	3.980in./101.1mm	23	F226-400	4.375in./111.1mm	28	F600D-405	4.375in./111.1mm	25	Y400D-400	3.500in./88.9mm	7
D600D-500	4.375in./111.1mm	23	F226D-500	4.375in./111.1mm	28	F600D-405	4.375in./111.1mm	27	Y400D-400	3.500in./88.9mm	6
D600D-500	4.375in./111.1mm	24	F400D-500	4.375in./111.1mm	9	F600D-405	4.375in./111.1mm	30	Y400D-401	3.500in./88.9mm	7
D600D-500	4.000in./101.6mm	23	F400D-500	4.375in./111.1mm	14	F600D-500	3.980in./101.1mm	23	Y400D-401	3.500in./88.9mm	6
D600D-500	4.375in./111.1mm	26	F400D-502	4.375in./111.1mm	9	F600D-500	4.375in./111.1mm	23	Y400D-402	3.500in./88.9mm	7
F218D-3020	4.375in./111.1mm	9	F400D-502	3.980in./101.1mm	23	F600D-500	4.375in./111.1mm	24	Y400D-402	3.500in./88.9mm	6
F218D-3020	4.375in./111.1mm	14	F400D-502	4.375in./111.1mm	23	F600D-500	4.000in./101.6mm	23	Y400D-403	3.500in./88.9mm	7
F218D-3022	3.980in./101.1mm	23	F400D-502	4.375in./111.1mm	24	F600D-500	4.375in./111.1mm	26	Y400D-403	3.500in./88.9mm	6
F218D-3022	4.375in./111.1mm	23	F400D-502	4.000in./101.6mm	23	F600D-502	3.980in./101.1mm	23	Z120D-500	3.750in./95.3mm	8
F218D-3022	4.375in./111.1mm	24	F400D-502	4.375in./111.1mm	14	F600D-502	4.375in./111.1mm	23	Z120D-500	3.875in./98.4mm	10
F218D-3022	4.375in./111.1mm	26	F400D-502	4.375in./111.1mm	26	F600D-502	4.375in./111.1mm	24			
F218D-3032	3.980in./101.1mm	23	F600D-310	4.375in./111.1mm	25	F600D-502	4.375in./111.1mm	26			
F218D-3032	4.375in./111.1mm	23	F600D-310	4.375in./111.1mm	27	G181-501M	4.375in./111.1mm	19			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
162C-500	3.500in./88.9mm	5	733536	4.375in./111.1mm	23	734542	4.375in./111.1mm	26	D600C-218	4.375in./111.1mm	23
400C-209	4.375in./111.1mm	9	733536	4.375in./111.1mm	24	928928	3.980in./101.1mm	23	D600C-218	4.375in./111.1mm	24
400C-209	4.375in./111.1mm	14	733536	4.375in./111.1mm	29	928928	4.375in./111.1mm	23	D600C-218	4.375in./111.1mm	26
400C-213	3.500in./88.9mm	7	733536	4.375in./111.1mm	31	928928	4.375in./111.1mm	24	D600C-368	3.980in./101.1mm	23
400C-213	3.500in./88.9mm	6	733536	4.375in./111.1mm	26	928928	4.375in./111.1mm	29	D600C-368	4.375in./111.1mm	23
400C-226	3.500in./88.9mm	7	733863	3.980in./101.1mm	23	928928	4.375in./111.1mm	31	D600C-368	4.375in./111.1mm	24
400C-226	3.500in./88.9mm	6	733863	4.375in./111.1mm	23	928928	4.375in./111.1mm	26	D600C-368	4.375in./111.1mm	26
400C-500	4.375in./111.1mm	9	733863	4.375in./111.1mm	24	7325596	3.980in./101.1mm	23	D600C-601	3.980in./101.1mm	23
400C-500	4.375in./111.1mm	14	733863	4.375in./111.1mm	29	7325596	4.375in./111.1mm	23	D600C-601	4.375in./111.1mm	24
209229	3.980in./101.1mm	23	733863	4.375in./111.1mm	31	7325596	4.375in./111.1mm	24	D600C-601	4.375in./111.1mm	24
209229	4.375in./111.1mm	23	733863	4.375in./111.1mm	26	7325596	4.375in./111.1mm	29	D600C-601	4.375in./111.1mm	26
209229	4.375in./111.1mm	24	734452	3.980in./101.1mm	23	7325596	4.375in./111.1mm	31	D600C-602	3.980in./101.1mm	23
209229	4.375in./111.1mm	29	734452	4.375in./111.1mm	23	7325596	4.375in./111.1mm	26	D600C-602	4.375in./111.1mm	23
209229	4.375in./111.1mm	31	734452	4.375in./111.1mm	24	B600C-601	3.980in./101.1mm	23	D600C-602	4.375in./111.1mm	24
209229	4.375in./111.1mm	26	734452	4.375in./111.1mm	29	B600C-601	4.375in./111.1mm	23	D600C-602	4.375in./111.1mm	26
732596	3.980in./101.1mm	23	734452	4.375in./111.1mm	31	B600C-601	4.375in./111.1mm	24	D600C-603	3.980in./101.1mm	23
732596	4.375in./111.1mm	23	734452	4.375in./111.1mm	26	B600C-601	4.375in./111.1mm	26	D600C-603	4.375in./111.1mm	23
732596	4.375in./111.1mm	24	734542	3.980in./101.1mm	23	D186C-300	3.980in./101.1mm	23	D600C-603	4.375in./111.1mm	24
732596	4.375in./111.1mm	29	734542	4.375in./111.1mm	23	D186C-300	4.375in./111.1mm	23	D600C-603	4.375in./111.1mm	26
732596	4.375in./111.1mm	31	734542	4.375in./111.1mm	24	D186C-300	4.375in./111.1mm	24	F140C-303	4.375in./111.1mm	9
732596	4.375in./111.1mm	26	734542	4.375in./111.1mm	29	D186C-300	4.375in./111.1mm	26	F140C-303	4.375in./111.1mm	14
733536	3.980in./101.1mm	23	734542	4.375in./111.1mm	31	D600C-218	3.980in./101.1mm	23	F162C-319	4.375in./111.1mm	9

CONTINENTAL (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
F162C-319	4.375in./111.1mm	14	F401C-302	4.375in./111.1mm	11	F600C-600	4.375in./111.1mm	28	M600C-335	4.813in./122.3mm	33
F186C-300	3.980in./101.1mm	23	F401C-302	4.375in./111.1mm	15	F600C-601	4.375in./111.1mm	25	M600C-501	3.750in./95.3mm	33
F186C-300	4.375in./111.1mm	23	F401C-403	4.375in./111.1mm	11	F600C-601	4.375in./111.1mm	27	M600C-501	4.375in./111.1mm	33
F186C-300	4.375in./111.1mm	24	F401C-403	4.375in./111.1mm	15	F600C-601	4.375in./111.1mm	30	M600C-501	4.625in./117.5mm	33
F186C-300	4.375in./111.1mm	26	F600C-217	4.375in./111.1mm	25	F600C-606A	4.375in./111.1mm	25	M600C-503	3.750in./95.3mm	33
F400C-209	4.375in./111.1mm	9	F600C-217	4.375in./111.1mm	27	F600C-606A	4.375in./111.1mm	27	M600C-503	4.375in./111.1mm	33
F400C-209	3.980in./101.1mm	23	F600C-217	4.375in./111.1mm	30	F600C-606A	4.375in./111.1mm	30	M600C-503	4.625in./117.5mm	33
F400C-209	4.375in./111.1mm	23	F600C-243	4.375in./111.1mm	29	F600C-606C	4.375in./111.1mm	25	N62C-500	3.500in./88.9mm	5
F400C-209	4.375in./111.1mm	24	F600C-243	4.375in./111.1mm	31	F600C-606C	4.375in./111.1mm	27	Y112C-300	3.500in./88.9mm	7
F400C-209	4.375in./111.1mm	14	F600C-344	4.375in./111.1mm	25	F600C-606C	4.375in./111.1mm	30	Y112C-300	3.500in./88.9mm	6
F400C-209	4.375in./111.1mm	26	F600C-344	4.375in./111.1mm	27	G157C-600	4.375in./111.1mm	13	Y400C-213	3.500in./88.9mm	7
F400C-222	4.375in./111.1mm	9	F600C-344	4.375in./111.1mm	30	G176C-300	4.375in./111.1mm	18	Y400C-213	3.500in./88.9mm	6
F400C-222	4.375in./111.1mm	14	F600C-368	4.375in./111.1mm	25	G193C-202	4.375in./111.1mm	19	Y400C-216	3.500in./88.9mm	7
F400C-228	4.375in./111.1mm	9	F600C-368	4.375in./111.1mm	27	H260C-602	5.500in./139.7mm	21	Y400C-216	3.500in./88.9mm	6
F400C-228	4.375in./111.1mm	14	F600C-368	4.375in./111.1mm	30	H260C-603	5.500in./139.7mm	21	Y400C-225	3.500in./88.9mm	7
F400C-314	4.375in./111.1mm	9	F600C-500A	4.375in./111.1mm	25	HD260C-204	4.875in./123.8mm	22	Y400C-225	3.500in./88.9mm	6
F400C-314	4.375in./111.1mm	14	F600C-500A	4.375in./111.1mm	27	HD260C-204	5.500in./139.7mm	22	Y400C-226	3.500in./88.9mm	7
F400C-321	4.375in./111.1mm	9	F600C-500A	4.375in./111.1mm	30	HD260C-424	4.875in./123.8mm	22	Y400C-226	3.500in./88.9mm	6
F400C-321	4.375in./111.1mm	14	F600C-502	4.375in./111.1mm	25	HD260C-424	5.500in./139.7mm	22	Y400C-334	3.500in./88.9mm	6
F400C-324	4.375in./111.1mm	9	F600C-502	4.375in./111.1mm	27	K600C-303	3.750in./95.3mm	33	Y400C-335	3.500in./88.9mm	6
F400C-324	4.375in./111.1mm	14	F600C-502	4.375in./111.1mm	30	K600C-303	4.375in./111.1mm	33	Y400C-338	3.500in./88.9mm	6
F400C-359	4.375in./111.1mm	9	F600C-502A	4.375in./111.1mm	25	K600C-303	4.625in./117.5mm	33	Y400C-508	3.500in./88.9mm	7
F400C-359	4.375in./111.1mm	14	F600C-502A	4.375in./111.1mm	27	K600C-600	4.813in./122.3mm	33	Y400C-508	3.500in./88.9mm	6
F400C-368	4.375in./111.1mm	9	F600C-502A	4.375in./111.1mm	30	LD427C-501	4.875in./123.8mm	34	Y400C-511	3.500in./88.9mm	7
F400C-368	4.375in./111.1mm	14	F600C-504	4.375in./111.1mm	25	M600C-203	3.750in./95.3mm	33	Y400C-511	3.500in./88.9mm	6
F400C-500	4.375in./111.1mm	9	F600C-504	4.375in./111.1mm	27	M600C-203	4.375in./111.1mm	33	Y400C-511D	3.500in./88.9mm	6
F400C-500	4.375in./111.1mm	14	F600C-504	4.375in./111.1mm	30	M600C-203	4.625in./117.5mm	33	Z120-500	3.750in./95.3mm	8
F400C-501	4.375in./111.1mm	9	F600C-506A	4.375in./111.1mm	25	M600C-302	3.750in./95.3mm	33	Z120C-500	3.750in./95.3mm	8
F400C-501	4.375in./111.1mm	14	F600C-506A	4.375in./111.1mm	27	M600C-302	4.375in./111.1mm	33	Z129C-205	3.875in./98.4mm	8
F400C-503	4.375in./111.1mm	9	F600C-506A	4.375in./111.1mm	30	M600C-302	4.625in./117.5mm	33	Z129C-205	3.875in./98.4mm	10
F400C-503	4.375in./111.1mm	14	F600C-536	4.375in./111.1mm	25	M600C-303	3.750in./95.3mm	33	Z129C-500	3.875in./98.4mm	8
F400C-509	4.375in./111.1mm	11	F600C-536	4.375in./111.1mm	27	M600C-303	4.375in./111.1mm	33	Z134C-500	3.875in./98.4mm	10
F400C-509	4.375in./111.1mm	15	F600C-536	4.375in./111.1mm	30	M600C-303	4.625in./117.5mm	33			

COUNTER DATA

SHOP DATA

Clevite 77				Clevite 77				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
2 CYL								
1	1342CC (1.3L) TM13 2 Cyl				3.583in./91mm x 4.063in./103.2mm			1
	1342CC (1.3L) TMD13 Diesel 2 Cyl				3.583in./91mm x 4.063in./103.2mm			
Rod Bearing(2)	TM-77	CB-1378P	STD.,25mm	1.9365/1.9375	0.0006/0.0031	0.0617	2.0615/2.0620	0.9700
Main Bearing(2)	TM-77	MB-3065P	STD.,25mm	2.8718/2.8730	0.0023/0.0052	0.0978	3.0708/3.0716	0.9420
NOTE: Only Sold Separately, Position Number 1,Position Number 3								
Main Bearing	TM-77	MB-3066P	STD.,25mm	2.8718/2.8730	0.0023/0.0052	0.0978	3.0708/3.0716	1.2520
		MB-3066P(F)						
NOTE: Only Sold Separately, Position Number 2								
2	1342CC (1.3L) TMDT13 Turbocharged Diesel 2 Cyl				3.583in./91mm x 4.063in./103.2mm			2
Rod Bearing(2)	TM-77	CB-1378P	STD.,25mm	1.9365/1.9375	0.0006/0.0031	0.0617	2.0615/2.0620	0.9700
3 CYL								
3	123 CID/2014CC (2.0L) TM20 3 Cyl				3.583in./91mm x 4.063in./103.2mm			3
	123 CID/2014CC (2.0L) TM20 CNG 3 Cyl				3.583in./91mm x 4.063in./103.2mm			
	123 CID/2014CC (2.0L) TM20 LPG 3 Cyl				3.583in./91mm x 4.063in./103.2mm			
	123 CID/2014CC (2.0L) TMD20 Diesel 3 Cyl				3.583in./91mm x 4.063in./103.2mm			
Rod Bearing(3)	TM-77	CB-1378P	STD.,25mm	1.9365/1.9375	0.0006/0.0031	0.0617	2.0615/2.0620	0.9700
Main Bearing(3)	TM-77	MB-3065P	STD.,25mm	2.8718/2.8730	0.0023/0.0052	0.0978	3.0708/3.0716	0.9420
NOTE: Only Sold Separately, Position Number 1,Position Number 2,Position Number 4								
Main Bearing	TM-77	MB-3066P	STD.,25mm	2.8718/2.8730	0.0023/0.0052	0.0978	3.0708/3.0716	1.2520
		MB-3066P(F)						
NOTE: Only Sold Separately, Position Number 3								
4	123 CID/2014CC (2.0L) TMDT20 Turbocharged Diesel 3 Cyl				3.583in./91mm x 4.063in./103.2mm			4
Rod Bearing(3)	TM-77	CB-1378P	STD.,25mm	1.9365/1.9375	0.0006/0.0031	0.0617	2.0615/2.0620	0.9700

CONTINENTAL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
5	50 CID (0.8L) N50 4 Cyl			2.125in./54mm x 3.500in./88.9mm				5
	56 CID (0.9L) N56 4 Cyl			2.250in./57.2mm x 3.500in./88.9mm				
	62 CID (1.0L) N4062,N62 4 Cyl			2.375in./60.3mm x 3.500in./88.9mm				
Rod Bearing(4) TM-77 CB-345P STD,10,20,30 NOTE: Thru Engine Serial Number 42049				1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	0.7600
Rod Bearing(4) TM-77 CB-524P STD,10,20,30 NOTE: From Engine Serial Number 42049				1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	0.7550
Main Bearing Set TM-77 MS-256C-10 1 MB-1309W 1-2 MB-1309C NOTE: Contains 2 Piece Thrust Washer Set, Use In Position Number 1				2.0156 1.9990/2.0000	0.0008/0.0035	0.0849	2.8705 2.1703/2.1710	0.0960 1.2230
Piston Pin Bushing(4) B 223-3505 STD NOTE: Requires Boring						0.0365	0.6019/0.6039	0.8230
Rod Forging N56D-400, N62D-400, N560-400-0 C/S Forging 162C-500, N62C-500								
Connecting Rod 20 To 25 Lbs.Ft. Main Bearing 35 To 40 Lbs.Ft.								
6	69 CID (1.1L) LY69,PY69,Y4069,Y69 4 Cyl			2.500in./63.5mm x 3.500in./88.9mm				6
	91 CID (1.5L) LY91,P410,PY91,Y4091,Y91 4 Cyl			2.875in./73mm x 3.500in./88.9mm				
	112 CID (1.8L) Y112 4 Cyl			3.187in./80.95mm x 3.500in./88.9mm				
Rod Bearing(2) TM-112 CB-278P STD,10,20,30 NOTE: Positions 1 And 3				1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050
Rod Bearing(2) TM-112 CB-279P STD,10,20,30 NOTE: Positions 2 And 4				1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050
Main Bearing Set TM-77 MS-806P STD,10,30 1 MB-2366P 2 MB-1651P 3 MB-1652P NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains Straight Shell Bearings, Use With Part Number TW-143S				1.7475/1.7485 1.7475/1.7485 1.7475/1.7485	0.0008/0.0031 0.0008/0.0031 0.0008/0.0031	0.0625	1.8740/1.8747 1.8740/1.8747 1.8740/1.8747	1.2230 1.4470 1.4470
Main Bearing Set TM-77 MS-1627P STD,10,30 1 MB-2982P(F) 2 MB-1651P 3 MB-1652P NOTE: Contains Flanged Bearing				1.7475/1.7485 1.7475/1.7485 1.7475/1.7485	0.0005/0.0023 0.0008/0.0031 0.0008/0.0031	0.0623 0.0625 0.0625	1.8740/1.8747 1.8740/1.8747 1.8740/1.8747	1.3930 1.4470 1.4470
Thrust Washer Set TW-143S STD MB-1653W NOTE: Contains 2 Pieces, Position Number 1, Use With Part Number MS-806P				1.7812			2.6250	0.0950
Cam Bearing Set AL-3 SH-191S STD 1 SH-191 2 SH-56 3 SH-57				1.8085/1.8095 1.7457/1.7465 1.2465/1.2475	0.0020/0.0050 0.0024/0.0057 0.0010/0.0050	0.0630 0.0628 0.0628	1.9370/1.9380 1.8745/1.8750 1.3745/1.3750	0.9480 1.6350 1.1660
Piston Pin Bushing(4) B 223-3503 STD NOTE: Requires Light Reaming						0.0320	0.7622/0.7632	1.0630
Rod Forging Y400D-400, Y400D-401, Y400D-402, Y400D-403 C/S Forging 400C-213, 400C-226, Y112C-300, Y400C-213, Y400C-216, Y400C-225, Y400C-226, Y400C-508, Y400C-511								
Connecting Rod 20 To 25 Lbs.Ft. Main Bearing 35 To 40 Lbs.Ft.								
7	112 CID (1.8L) BY112,PY112,PY4112 4 Cyl			3.188in./80.98mm x 3.500in./88.9mm				7
	112 CID (1.8L) BY4112,Y4112 4 Cyl			3.187in./80.95mm x 3.500in./88.9mm				
Rod Bearing(2) TM-112 CB-278P STD,10,20,30 NOTE: Positions 1 And 3				1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050
Rod Bearing(2) TM-112 CB-279P STD,10,20,30 NOTE: Positions 2 And 4				1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050

CONTINENTAL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
7 (Cont.)	112 CID (1.8L) BY112,PY112,PY4112 4 Cyl			3.188in./80.98mm x 3.500in./88.9mm				7 (Cont.)
	112 CID (1.8L) BY4112,Y4112 4 Cyl			3.187in./80.95mm x 3.500in./88.9mm				
Main Bearing Set	TM-77	MS-806P	STD,10,30					
1		MB-2366P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.2230
2		MB-1651P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470
3		MB-1652P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains Straight Shell Bearings, Use With Part Number TW-143S								
Thrust Washer Set		TW-143S	STD					
		MB-1653W		1.7812			2.6250	0.0950
NOTE: Contains 2 Pieces, Position Number 1, Use With Part Number MS-806P								
Cam Bearing Set	AL-3	SH-191S	STD					
1		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3503	STD			0.0320	0.7622/0.7632	1.0630
Rod Forging	Y400D-400, Y400D-401, Y400D-402, Y400D-403							
C/S Forging	400C-213, 400C-226, Y112C-300, Y400C-213, Y400C-216, Y400C-225, Y400C-226, Y400C-508, Y400C-511							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
8	120 CID (2.0L) Z120 4 Cyl			3.188in./80.98mm x 3.750in./95.3mm				8
	129 CID (2.1L) Z129 4 Cyl			3.250in./82.6mm x 3.875in./98.4mm				
Rod Bearing(4)	TM-77	CB-362P	STD,2,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0028	0.0619	2.0615/2.0625	1.0720
Main Bearing Set	TM-77	MS-260P	STD,10,20,30					
1		MB-1403W		2.2812			3.0625	0.0960
1		MB-1636P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.2700
2		MB-1637P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.2910
3		MB-1370P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.5560
NOTE: Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set(2)		TW-424S	STD					
		MB-1403W		2.2812			3.0625	0.0960
NOTE: Contains 1 Piece, Position Number 1								
Cam Bearing Set	B-1	SH-683S	STD					
1		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2		SH-362-10		1.7455/1.7465	0.0010/0.0060	0.0693	1.8855/1.8875	0.7600
3		SH-317		1.6830/1.6840	0.0005/0.0055	0.0645	1.8155/1.8175	0.7600
NOTE: Engines Not Originally Equipped With Cam Bearings Must Be Line Bored To The Proper Housing Bore Dimension								
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3621	STD			0.0365	0.9134/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	Z120D-500							
C/S Forging	Z120-500, Z120C-500, Z129C-205, Z129C-500							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	70 To 75 Lbs.Ft.							
9	124 CID (2.0L) A4124,F124,F4124,LF124,PF124 4 Cyl			3.000in./76.2mm x 4.375in./111.1mm				9
	140 CID (2.3L) F140,F4140,LF140,PF140 4 Cyl			3.188in./80.98mm x 4.375in./111.1mm				
	162 CID (2.7L) F162,F4162A,LF162,PF162 4 Cyl			3.438in./87.33mm x 4.375in./111.1mm				
Rod Bearing(2)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 2 And 4								
Rod Bearing(2)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 1 And 3								

CONTINENTAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
9 (Cont.)	124 CID (2.0L) A4124,F124,F4124,LF124,PF124 4 Cyl 140 CID (2.3L) F140,F4140,LF140,PF140 4 Cyl 162 CID (2.7L) F162,F4162A,LF162,PF162 4 Cyl				3.000in./76.2mm x 4.375in./111.1mm 3.188in./80.98mm x 4.375in./111.1mm 3.438in./87.33mm x 4.375in./111.1mm			9 (Cont.)
Main Bearing Set	TM-77	MS-176P-10	20,30					
1		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
1		MB-1403W		2.2812			3.0625	0.0960
2		MB-1406P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.6300
3		MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set(2)		TW-424S	STD	2.2812			3.0625	0.0960
		MB-1403W						
NOTE: Contains 1 Piece, Position Number 1								
Cam Bearing Set	AL-3	SH-56S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Piston Pin Bushing(4)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	F400D-500, F400D-502, F218D-3020							
C/S Forging	400C-209, 400C-500, F140C-303, F162C-319, F400C-209, F400C-222, F400C-228, F400C-314, F400C-321, F400C-324, F400C-359, F400C-368, F400C-500, F400C-501, F400C-503							
Connecting Rod Main Bearing	20 To 25 Lbs.Ft. 35 To 40 Lbs.Ft.							
10	134 CID (2.2L) Z134 4 Cyl				3.313in./84.1mm x 3.875in./98.4mm			10
Rod Bearing(4)	TM-77	CB-362P	STD,2,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0028	0.0619	2.0615/2.0625	1.0720
Main Bearing Set	TM-77	MS-202P	STD,10,20,30					
1		MB-1636P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.2700
2		MB-1768P(F)		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.4970
3		MB-1370P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.5560
Cam Bearing Set	B-1	SH-683S	STD					
1		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2		SH-362-10		1.7455/1.7465	0.0010/0.0060	0.0693	1.8855/1.8875	0.7600
3		SH-317		1.6830/1.6840	0.0005/0.0055	0.0645	1.8155/1.8175	0.7600
NOTE: Engines Not Originally Equipped With Cam Bearings Must Be Line Bored To The Proper Housing Bore Dimension								
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3621	STD			0.0365	0.9134/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	Z120D-500							
C/S Forging	Z129C-205, Z134C-500							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 70 To 75 Lbs.Ft.							
11	135 CID (2.2L) F135 4 Cyl 163 CID (2.7L) F163 4 Cyl				3.125in./79.4mm x 4.375in./111.1mm 3.438in./87.33mm x 4.375in./111.1mm			11
Rod Bearing(2)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1 And 3 Except Connecting Rod Forging Number Ending In 402								

CONTINENTAL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
11 (Cont.)	135 CID (2.2L) F135 4 Cyl			3.125in./79.4mm x 4.375in./111.1mm				11 (Cont.)
	163 CID (2.7L) F163 4 Cyl			3.438in./87.33mm x 4.375in./111.1mm				
Rod Bearing(2)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2 And 4 Except Connecting Rod Forging Number Ending In 402								
Main Bearing Set	TM-77	MS-886P	STD,10,20,30					
1		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2		MB-1686P(F)		2.3744/2.3752	0.0005/0.0023	0.0932	2.5616/2.5622	1.6320
3		MB-2475P		2.3744/2.3752	0.0008/0.0029	0.0929	2.5615/2.5622	1.4890
Cam Bearing Set	AL-3	SH-56S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	731057, F226-400							
C/S Forging	F400C-509, F401C-302, F401C-403							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	70 To 75 Lbs.Ft.							
12	145 CID (2.4L) Z145 4 Cyl			3.375in./85.7mm x 4.063in./103.2mm				12
Rod Bearing(4)	TM-77	CB-362P	STD,2,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0028	0.0619	2.0615/2.0625	1.0720
Main Bearing Set	TM-77	MS-202P	STD,10,20,30					
1		MB-1636P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.2700
2		MB-1768P(F)		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.4970
3		MB-1370P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.5560
Cam Bearing Set	B-1	SH-683S	STD					
1		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2		SH-362-10		1.7455/1.7465	0.0010/0.0060	0.0693	1.8855/1.8875	0.7600
3		SH-317		1.6830/1.6840	0.0005/0.0055	0.0645	1.8155/1.8175	0.7600
NOTE: Engines Not Originally Equipped With Cam Bearings Must Be Line Bored To The Proper Housing Bore Dimension								
Piston Pin Bushing(4)	C-1	223-3621	STD			0.0365	0.9134/0.9140	1.1250
NOTE: Requires Boring								
13	157 CID (2.6L) G157 4 Cyl			3.375in./85.7mm x 4.375in./111.1mm				13
Main Bearing Set	TM-77	MS-566P-10	30					
1		MB-2083P		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.4430
2		MB-2087P(F)		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.7470
3		MB-2085P		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.5990
C/S Forging	G157C-600							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
14	162 CID (2.7L) F4162 4 Cyl			3.438in./87.33mm x 4.375in./111.1mm				14
Rod Bearing(2)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Engines With 1.937" Diameter Connecting Rod Journals, Positions 2 And 4								
Rod Bearing(2)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Engines With 1.937" Diameter Connecting Rod Journals, Positions 1 And 3								
Rod Bearing(2)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Engines With 2.062" Diameter Connecting Rod Journals,Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1 And 3 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(2)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Engines With 2.062" Diameter Connecting Rod Journals,Use In Positions 2 And 4 Except Connecting Rod Forging Number Ending In 402								

CONTINENTAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
14 (Cont.)	162 CID (2.7L) F4162 4 Cyl			3.438in./87.33mm x 4.375in./111.1mm				14 (Cont.)
Main Bearing Set	TM-77	MS-176P-10	20,30					
1		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
1		MB-1403W		2.2812			3.0625	0.0960
2		MB-1406P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.6300
3		MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Engines With 2.250" Diameter Main Bearing Journals, Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1, Contains Straight Shell Bearings								
Main Bearing Set	TM-77	MS-381P-20						
1		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2		MB-1686P(F)		2.3744/2.3752	0.0005/0.0023	0.0932	2.5616/2.5622	1.6320
3		MB-1226P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.4890
NOTE: Engines With 2.375" Diameter Main Bearing Journals								
Thrust Washer Set(2)		TW-424S	STD					
		MB-1403W		2.2812			3.0625	0.0960
NOTE: Engines With 2.250" Diameter Main Bearing Journals, Contains 1 Piece, Position Number 1								
Cam Bearing Set	AL-3	SH-56S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Piston Pin Bushing(4)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	F400D-500, F400D-502, F218D-3020							
C/S Forging	400C-209, 400C-500, F140C-303, F162C-319, F400C-209, F400C-222, F400C-228, F400C-314, F400C-321, F400C-324, F400C-359, F400C-368, F400C-500, F400C-501, F400C-503							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
15	163 CID (2.7L) F4163 4 Cyl			3.438in./87.3mm x 4.375in./111.1mm				15
	163 CID (2.7L) PF163 4 Cyl			3.438in./87.33mm x 4.375in./111.1mm				
	198 CID (3.2L) F198 4 Cyl			3.437in./87.3mm x 4.375in./111.1mm				
Rod Bearing(2)	TM-112	CB-465P	STD, 10, 20, 30, C40, C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402, Use In Positions 1 And 3 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(2)	TM-112	CB-466P	STD, 10, 20, 30, C40, C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2 And 4 Except Connecting Rod Forging Number Ending In 402								
Main Bearing Set	TM-77	MS-886P	STD, 10, 20, 30					
1		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2		MB-1686P(F)		2.3744/2.3752	0.0005/0.0023	0.0932	2.5616/2.5622	1.6320
3		MB-2475P		2.3744/2.3752	0.0008/0.0029	0.0929	2.5615/2.5622	1.4890
Cam Bearing Set	AL-3	SH-56S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming								
Piston Pin Bushing(4)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	731057, F226-400							
C/S Forging	F400C-509, F401C-302, F401C-403							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	70 To 75 Lbs.Ft.							

CONTINENTAL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
16	164 CID/2685CC (2.7L) TM27 4 Cyl			3.583in./91mm x 4.063in./103.2mm				16
	164 CID/2685CC (2.7L) TM27 CNG 4 Cyl			3.583in./91mm x 4.063in./103.2mm				
	164 CID/2685CC (2.7L) TM27 LPG 4 Cyl			3.583in./91mm x 4.063in./103.2mm				
	164 CID/2685CC (2.7L) TMD27 Diesel 4 Cyl			3.583in./91mm x 4.063in./103.2mm				
Rod Bearing(4)	TM-77	CB-1378P	STD,.25mm	1.9365/1.9375	0.0006/0.0031	0.0617	2.0615/2.0620	0.9700
Main Bearing(4)	TM-77	MB-3065P	STD,.25mm	2.8718/2.8730	0.0023/0.0052	0.0978	3.0708/3.0716	0.9420
NOTE: Only Sold Separately, Position Number 1,Position Number 2,Position Number 3,Position Number 5								
Main Bearing	TM-77	MB-3066P MB-3066P(F)	STD,.25mm	2.8718/2.8730	0.0023/0.0052	0.0978	3.0708/3.0716	1.2520
NOTE: Only Sold Separately, Position Number 4								
17	164 CID/2685CC (2.7L) TMDT27 Turbocharged Diesel 4 Cyl			3.583in./91mm x 4.063in./103.2mm				17
Rod Bearing(4)	TM-77	CB-1378P	STD,.25mm	1.9365/1.9375	0.0006/0.0031	0.0617	2.0615/2.0620	0.9700
18	176 CID (2.9L) G176 4 Cyl			3.578in./90.8mm x 4.375in./111.1mm				18
Rod Bearing(4)	TM-112	CB-616P	STD,10,20,30	2.0615/2.0625	0.0011/0.0036	0.0617	2.1865/2.1870	1.1300
Main Bearing Set	TM-112	MS-566P-10	30					
1		MB-2083P		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.4430
2		MB-2087P(F)		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.7470
3		MB-2085P		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.5990
C/S Forging G176C-300								
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
19	193 CID (3.2L) G193,G4193,GF193 4 Cyl			3.750in./95.3mm x 4.375in./111.1mm				19
	206 CID (3.4L) G206 4 Cyl			3.813in./96.9mm x 4.375in./111.1mm				
Rod Bearing(4)	TM-112	CB-618P	STD,10,20,30	2.2490/2.2500	0.0011/0.0036	0.0617	2.3740/2.3745	1.0800
Main Bearing Set	TM-112	MS-566P-10	30					
1		MB-2083P		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.4430
2		MB-2087P(F)		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.7470
3		MB-2085P		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.5990
Rod Forging	G181-501M							
C/S Forging	G193C-202							
Connecting Rod	75 Lbs.Ft.							
Main Bearing	100 Lbs.Ft.							
20	201 CID (3.3L) E201,ED201 4 Cyl			3.625in./92.1mm x 4.875in./123.8mm				20
	208 CID (3.4L) E208 Flex 4 Cyl			3.687in./93.7mm x 4.875in./123.8mm				
	208 CID (3.4L) E400 4 Cyl			3.687in./93.7mm x 4.875in./123.8mm				
	208 CID (3.4L) ED208 Diesel 4 Cyl			3.687in./93.7mm x 4.875in./123.8mm				
	223 CID (3.7L) E223 4 Cyl			3.813in./96.9mm x 4.875in./123.8mm				
	223 CID (3.7L) E223 LPG 4 Cyl			3.813in./96.9mm x 4.875in./123.8mm				
	223 CID (3.7L) EB223 4 Cyl			3.875in./98.4mm x 4.875in./123.8mm				
	223 CID (3.7L) EB223 LPG 4 Cyl			3.875in./98.4mm x 4.875in./123.8mm				
	242 CID (4.0L) E242 Flex 4 Cyl			3.813in./96.9mm x 5.125in./130.2mm				
	242 CID (4.0L) EB242 4 Cyl			3.813in./96.9mm x 5.125in./130.2mm				
	242 CID (4.0L) EB242 LPG 4 Cyl			3.813in./96.9mm x 5.125in./130.2mm				
	242 CID (4.0L) ED242 Diesel 4 Cyl			3.875in./98.4mm x 5.125in./130.2mm				
	243 CID (4.0L) E243,ED243 4 Cyl			3.813in./96.9mm x 4.875in./123.8mm				
Rod Bearing(4)	TM-77	CB-596P	STD,10	2.2480/2.2490	0.0013/0.0034	0.0621	2.3740/2.3745	1.3220
Piston Pin Bushing(4)	C-1	223-3516	STD			0.0450	1.1810/1.1845	1.2500
NOTE: Requires Light Reaming								
Connecting Rod	70 To 75 Lbs.Ft.							
Main Bearing	85 To 95 Lbs.Ft.							
21	227 CID (3.7L) H227 4 Cyl			3.625in./92.1mm x 5.500in./139.7mm				21
	243 CID (4.0L) H243 4 Cyl			3.750in./95.3mm x 5.500in./139.7mm				
	260 CID (4.3L) H260,H260A 4 Cyl			3.875in./98.4mm x 5.500in./139.7mm				
	277 CID (4.5L) H277 4 Cyl			4.000in./101.6mm x 5.500in./139.7mm				
Rod Bearing(4)	TM-77	CB-405P	STD,10,20,30	2.4980/2.4990	0.0009/0.0030	0.0623	2.6240/2.6245	1.4780

CONTINENTAL (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
21 (Cont.)	227 CID (3.7L) H227 4 Cyl				3.625in./92.1mm x 5.500in./139.7mm			21 (Cont.)	
	243 CID (4.0L) H243 4 Cyl				3.750in./95.3mm x 5.500in./139.7mm				
	260 CID (4.3L) H260,H260A 4 Cyl				3.875in./98.4mm x 5.500in./139.7mm				
	277 CID (4.5L) H277 4 Cyl				4.000in./101.6mm x 5.500in./139.7mm				
Piston Pin Bushing(4)		C-1	223-3517	STD		0.0680	1.3698/1.3723	1.2600	
NOTE: Requires Light Reaming									
C/S Forging H260C-602, H260C-603									
Connecting Rod		40 To 45 Lbs.Ft. (260 CID (4.3L) H260,277 CID (4.5L) H277)							
Connecting Rod		70 To 75 Lbs.Ft. (227 CID (3.7L) H227,243 CID (4.0L) H243)							
Main Bearing		70 To 75 Lbs.Ft. (260 CID (4.3L) H260,277 CID (4.5L) H277)							
Main Bearing		85 To 95 Lbs.Ft. (227 CID (3.7L) H227,243 CID (4.0L) H243)							
22	243 CID (4.0L) HD243 Diesel 4 Cyl				3.875in./98.4mm x 4.875in./123.8mm			22	
	260 CID (4.3L) HD260 Diesel 4 Cyl				3.875in./98.4mm x 5.500in./139.7mm				
	277 CID (4.5L) HD277 Diesel 4 Cyl				4.000in./101.6mm x 5.500in./139.7mm				
Rod Bearing(4)		TM-112	CB-459P	STD	2.4980/2.4990	0.0017/0.0042	0.0619	2.6240/2.6245	1.4780
Piston Pin Bushing(4)		C-1	223-3517	STD		0.0680	1.3698/1.3723	1.2600	
NOTE: Requires Light Reaming									
C/S Forging HD260C-204, HD260C-424									
Connecting Rod		40 To 45 Lbs.Ft.							
Main Bearing		70 To 75 Lbs.Ft.							
6 CYL									
23	170 CID (2.8L) D6170,DS6170,F170,F6170,PD170,PF170 6 Cyl				3.000in./76.2mm x 4.375in./111.1mm			23	
	184 CID (3.0L) D6184 6 Cyl				3.125in./79.4mm x 3.980in./101.1mm				
	184 CID (3.0L) DS6184 6 Cyl				3.125in./79.4mm x 4.000in./101.6mm				
	186 CID (3.0L) F186,F6186,PF186 6 Cyl				3.000in./76.2mm x 4.375in./111.1mm				
	199 CID (3.3L) D6199,PD199 6 Cyl				3.250in./82.6mm x 4.375in./111.1mm				
	199 CID (3.3L) F199,F6199,PF199 6 Cyl				3.250in./82.6mm x 4.000in./101.6mm				
	202 CID (3.3L) D202,DS202,DS6202,PD202 6 Cyl				3.125in./79.4mm x 4.375in./111.1mm				
	206 CID (3.4L) F206 6 Cyl				3.250in./82.6mm x 4.000in./101.6mm				
	209 CID (3.4L) F209,PF209 6 Cyl				3.188in./80.98mm x 4.375in./111.1mm				
	214 CID (3.5L) F214 6 Cyl				3.250in./82.6mm x 4.375in./111.1mm				
	218 CID (3.6L) D6218,F218,F6218,PD218,PF218 6 Cyl				3.250in./82.6mm x 4.375in./111.1mm				
Rod Bearing(3)		TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 2,4, And 6									
Rod Bearing(3)		TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 1,3, And 5									
Main Bearing Set		TM-77	MS-194P-10	20,30					
1			MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
1			MB-1403W		2.2812			3.0625	0.0960
2-3			MB-1404P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.3170
4			MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings									
Thrust Washer Set(2)			TW-424S	STD					
			MB-1403W		2.2812			3.0625	0.0960
NOTE: Contains 1 Piece, Position Number 1									
Cam Bearing Set		AL-3	SH-190S	STD					
1			SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2			SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3			SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4			SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)		B	223-3349	STD		0.0325	0.9130/0.9140	1.1250	
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter									
Piston Pin Bushing(6)		C-1	223-3429	STD		0.2230	1.0625/1.0635	1.1250	
NOTE: Requires Light Reaming, 1.066" Outside Diameter									

CONTINENTAL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
23 (Cont.)	170 CID (2.8L) D6170,DS6170,F170,F6170,PD170,PF170 6 Cyl				3.000in./76.2mm x 4.375in./111.1mm			23 (Cont.)
	184 CID (3.0L) D6184 6 Cyl				3.125in./79.4mm x 3.980in./101.1mm			
	184 CID (3.0L) DS6184 6 Cyl				3.125in./79.4mm x 4.000in./101.6mm			
	186 CID (3.0L) F186,F6186,PF186 6 Cyl				3.000in./76.2mm x 4.375in./111.1mm			
	199 CID (3.3L) D6199,PD199 6 Cyl				3.250in./82.6mm x 4.375in./111.1mm			
	199 CID (3.3L) F199,F6199,PF199 6 Cyl				3.250in./82.6mm x 4.000in./101.6mm			
	202 CID (3.3L) D202,DS202,DS6202,PD202 6 Cyl				3.125in./79.4mm x 4.375in./111.1mm			
	206 CID (3.4L) F206 6 Cyl				3.250in./82.6mm x 4.000in./101.6mm			
	209 CID (3.4L) F209,PF209 6 Cyl				3.188in./80.98mm x 4.375in./111.1mm			
	214 CID (3.5L) F214 6 Cyl				3.250in./82.6mm x 4.375in./111.1mm			
	218 CID (3.6L) D6218,F218,F6218,PD218,PF218 6 Cyl				3.250in./82.6mm x 4.375in./111.1mm			
Piston Pin Bushing(6)	B	223-3605	STD		0.0425	0.9130/0.9140	1.1250	
NOTE: Requires Boring								
Rod Forging C/S Forging	D600D-500, F400D-502, F600D-500, F600D-502, F218D-3022, F218D-3032 209229, 732596, 733536, 733863, 734452, 734542, 928928, 7325596, B600C-601, D186C-300, D600C-218, D600C-368, D600C-601, D600C-602, D600C-603, F186C-300, F400C-209							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 100 To 110 Lbs.Ft.							
24	202 CID (3.3L) D6202 6 Cyl				3.125in./79.4mm x 4.375in./111.1mm			24
	218 CID (3.6L) DS6218 6 Cyl				3.250in./82.6mm x 4.375in./111.1mm			
Rod Bearing(3)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 2,4, And 6								
Rod Bearing(3)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 1,3, And 5								
Main Bearing Set	TM-77	MS-194P-10	20,30					
1		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
1		MB-1403W		2.2812			3.0625	0.0960
2-3		MB-1404P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.3170
4		MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set(2)		TW-424S	STD					
		MB-1403W		2.2812			3.0625	0.0960
NOTE: Contains 1 Piece, Position Number 1								
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Rod Forging C/S Forging	D600D-500, F400D-502, F600D-500, F600D-502, F218D-3022, F218D-3032 209229, 732596, 733536, 733863, 734452, 734542, 928928, 7325596, B600C-601, D186C-300, D600C-218, D600C-368, D600C-601, D600C-602, D600C-603, F186C-300, F400C-209							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 100 To 110 Lbs.Ft.							
25	209 CID (3.4L) 24B 6 Cyl				3.188in./80.98mm x 4.375in./111.1mm			25
	226 CID (3.7L) 6226,PF226 6 Cyl				3.313in./84.1mm x 4.375in./111.1mm			
Rod Bearing(3)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Main Bearing Set	TM-77	MS-440P-20						
1		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2-3		MB-1225P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5615/2.5622	1.3170
4		MB-1226P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.4890
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								

CONTINENTAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
25 (Cont.)	209 CID (3.4L) 24B 6 Cyl			3.188in./80.98mm x 4.375in./111.1mm				25 (Cont.)
	226 CID (3.7L) 6226,PF226 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				
Thrust Washer Set TW-417S STD MB-1224FW				2.4062			3.3125	0.1260
NOTE: Contains 1 Piece, Front,Position Number 1								
Thrust Washer Set TW-418S STD MB-1224RW				2.4030			3.3750	0.0950
NOTE: Contains 1 Piece, Position Number 1,Rear								
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Rod Forging C/S Forging	F600D-310, F600D-402, F600D-405 F600C-217, F600C-344, F600C-368, F600C-502, F600C-504, F600C-536, F600C-601, F600C-500A, F600C-502A, F600C-506A, F600C-606A, F600C-606C							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 75 To 85 Lbs.Ft.							
26	209 CID (3.4L) F6209 6 Cyl			3.188in./80.98mm x 4.375in./111.1mm				26
Rod Bearing(3)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Engines With 1.937" Diameter Connecting Rod Journals, Positions 2,4, And 6								
Rod Bearing(3)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Engines With 1.937" Diameter Connecting Rod Journals, Positions 1,3, And 5								
Rod Bearing(3)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Engines With 2.062" Diameter Connecting Rod Journals,Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Engines With 2.062" Diameter Connecting Rod Journals,Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Main Bearing Set	TM-77	MS-194P-10	20,30					
1		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
1		MB-1403W		2.2812			3.0625	0.0960
2-3		MB-1404P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.3170
4		MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Engines With 2.250" Diameter Main Bearing Journals,Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set TW-424S STD MB-1403W				2.2812			3.0625	0.0960
NOTE: Engines With 2.250" Diameter Main Bearing Journals, Contains 1 Piece, Position Number 1								
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Engines With 1.937" Diameter Connecting Rod Journals, Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Engines With 1.937" Diameter Connecting Rod Journals, Requires Boring								
Rod Forging C/S Forging	D600D-500, F400D-502, F600D-500, F600D-502, F218D-3022, F218D-3032 209229, 732596, 733536, 733863, 734452, 734542, 928928, 7325596, B600C-601, D186C-300, D600C-218, D600C-368, D600C-601, D600C-602, D600C-603, F186C-300, F400C-209							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 100 To 110 Lbs.Ft.							
27	226 CID (3.7L) CF6226,F6226 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				27
	226 CID (3.7L) F226 Flex 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				
Rod Bearing(3)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								

CONTINENTAL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
27 (Cont.)	226 CID (3.7L) CF6226,F6226 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				27 (Cont.)
	226 CID (3.7L) F226 Flex 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Main Bearing Set	TM-77	MS-440P-20						
1		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2-3		MB-1225P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5615/2.5622	1.3170
4		MB-1226P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.4890
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set		TW-417S	STD					
		MB-1224FW		2.4062			3.3125	0.1260
NOTE: Contains 1 Piece, Front,Position Number 1								
Thrust Washer Set		TW-418S	STD					
		MB-1224RW		2.4030			3.3750	0.0950
NOTE: Contains 1 Piece, Position Number 1,Rear								
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Piston Pin Bushing(6)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	F600D-310, F600D-402, F600D-405							
C/S Forging	F600C-217, F600C-344, F600C-368, F600C-502, F600C-504, F600C-536, F600C-601, F600C-500A, F600C-502A, F600C-506A, F600C-606A, F600C-606C							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
28	226 CID (3.7L) FO6226 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				28
Rod Bearing(3)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	F226-400, F226D-500							
C/S Forging	F0600C-600							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
29	227 CID (3.7L) F227,F6227 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				29
	242 CID (4.0L) F242,F6242 6 Cyl			3.425in./87mm x 4.375in./111.1mm				
	245 CID (4.0L) F6245 6 Cyl			3.438in./87.3mm x 4.375in./111.1mm				
Rod Bearing(3)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								

CONTINENTAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
29 (Cont.)	227 CID (3.7L) F227,F6227 6 Cyl 242 CID (4.0L) F242,F6242 6 Cyl 245 CID (4.0L) F6245 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm 3.425in./87mm x 4.375in./111.1mm 3.438in./87.3mm x 4.375in./111.1mm				29 (Cont.)
Main Bearing Set	TM-77	MS-889P	STD,10,20,30					
1		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2-3		MB-1225P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5615/2.5622	1.3170
4		MB-1686P(F)		2.3744/2.3752	0.0005/0.0023	0.0932	2.5616/2.5622	1.6320
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Piston Pin Bushing(6)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	731057							
C/S Forging	209229, 732596, 733536, 733863, 734452, 734542, 928928, 7325596, F600C-243							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
30	244 CID (4.0L) A244 6 Cyl 244 CID (4.0L) A6244,F244,F6244 6 Cyl			3.438in./87.3mm x 4.375in./111.1mm 3.438in./87.33mm x 4.375in./111.1mm				30
Rod Bearing(3)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Main Bearing Set	TM-77	MS-440P-20						
1		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2-3		MB-1225P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5615/2.5622	1.3170
4		MB-1226P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.4890
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set		TW-417S	STD					
		MB-1224FW		2.4062			3.3125	0.1260
NOTE: Contains 1 Piece, Front,Position Number 1								
Thrust Washer Set		TW-418S	STD					
		MB-1224RW		2.4030			3.3750	0.0950
NOTE: Contains 1 Piece, Position Number 1,Rear								
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
31	245 CID (4.0L) F245 6 Cyl			3.438in./87.33mm x 4.375in./111.1mm				31
Rod Bearing(3)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								

CONTINENTAL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
31 (Cont.)	245 CID (4.0L) F245 6 Cyl			3.438in./87.33mm x 4.375in./111.1mm				31 (Cont.)
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Main Bearing Set 1	TM-77	MS-889P	STD,10,20,30	2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2-3		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5615/2.5622	1.3170
4		MB-1225P		2.3744/2.3752	0.0005/0.0023	0.0932	2.5616/2.5622	1.6320
		MB-1686P(F)						
Cam Bearing Set 1	AL-3	SH-190S	STD	1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-1211		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-191		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-56		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	731057							
C/S Forging	209229, 732596, 733536, 733863, 734452, 734542, 928928, 7325596, F600C-243							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
32	4019CC (4.0L) TM40 6 Cyl			3.583in./91mm x 4.055in./103mm				32
	4019CC (4.0L) TMD40 Turbocharged Diesel 6 Cyl			3.583in./91mm x 4.055in./103mm				
Rod Bearing(6)	TM-77	CB-1378P	STD,.25mm	1.9365/1.9375	0.0006/0.0031	0.0617	2.0615/2.0620	0.9700
33	253 CID (4.2L) M6253 6 Cyl			3.500in./88.9mm x 4.375in./111.1mm				33
	271 CID (4.4L) K6271,M271,M6271 6 Cyl			3.625in./92.1mm x 4.375in./111.1mm				
	290 CID (4.8L) 38B 6 Cyl			3.750in./95.3mm x 3.750in./95.3mm				
	290 CID (4.8L) K6290,M6290 6 Cyl			3.750in./95.3mm x 4.375in./111.1mm				
	290 CID (4.8L) M290 6 Cyl			3.750in./95.3mm x 4.625in./117.5mm				
	330 CID (5.4L) 40B 6 Cyl			4.000in./101.6mm x 3.750in./95.3mm				
	330 CID (5.4L) K6330,M330,M6300,M6330 6 Cyl			4.000in./101.6mm x 4.375in./111.1mm				
	338 CID (5.6L) M6338 6 Cyl			4.000in./101.6mm x 4.375in./111.1mm				
	363 CID (5.9L) K6363,M363,M6363 6 Cyl			4.000in./101.6mm x 4.813in./122.3mm				
	427 CID (7.0L) K6427 6 Cyl			4.313in./109.6mm x 4.875in./123.8mm				
Rod Bearing(6)	TM-112	CB-510P	STD,10,30	2.2480/2.2490	0.0013/0.0038	0.0621	2.3740/2.3745	1.3850
C/S Forging	K600C-303, K600C-600, M600C-203, M600C-302, M600C-303, M600C-335, M600C-501, M600C-503							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
34	427 CID (7.0L) LDS427 Diesel 6 Cyl			4.313in./109.6mm x 4.875in./123.8mm				34
	465 CID LD465,LDS465 Diesel 6 Cyl			4.500in./114.3mm x 4.875in./123.8mm				
	478 CID (7.8L) L478,L6478 6 Cyl			3.563in./90.5mm x 4.875in./123.8mm				
	478 CID (7.8L) LD478 Diesel 6 Cyl			4.500in./114.3mm x 4.875in./123.8mm				
	478 CID (7.8L) LDS478 Diesel 6 Cyl			4.563in./115.9mm x 4.875in./123.8mm				
Rod Bearing(6)	TM-112	CB-954P	STD,10,20	2.9970/2.9980	0.0027/0.0057	0.1254	3.2510/3.2520	1.4530
Rod Forging	L478C-400							
C/S Forging	LD427C-501							
Connecting Rod	100 Lbs.Ft. (1/2" Bolts)							
Connecting Rod	120 Lbs.Ft. (9/16" Bolts)							
Connecting Rod	25 Lbs.Ft. (5/16" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	60 Lbs.Ft. (7/16" Bolts)							
Main Bearing	(5/8" Bolts)							
Main Bearing	120 Lbs.Ft. (9/16" Bolts)							
Main Bearing	40 Lbs.Ft. (3/8" Bolts)							
Main Bearing	70 Lbs.Ft. (Aluminum Engine)							
Main Bearing	75 Lbs.Ft. (7/16" Bolts)							
Main Bearing	95 Lbs.Ft. (1/2" Bolts)							

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
3 CYL			6 CYL (Cont.)		
3B 180 CID (3.0L) Diesel	4.016in./102mmX4.724in./120mm	1	C240 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10
3BT 180 CID (3.0L) Diesel	4.016in./102mmX4.724in./120mm	1	C464 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10
Turbocharged			C464B160 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10
4 CYL			C464C160 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10
4-390 239 CID (3.9L) Diesel	4.016in./102mmX4.724in./120mm	2	C464P160 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10
4B 239 CID (3.9L) Diesel	4.016in./102mmX4.724in./120mm	2	C Series 505 CID (8.3L) Diesel	4.490in./114mmX5.320in./135.1mm	12
4BT 239 CID (3.9L) Diesel	4.016in./102mmX4.724in./120mm	2	CF160 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10
Turbocharged			CR160 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10
4BTA 239 CID (3.9L) Diesel	4.016in./102mmX4.724in./120mm	2	Supercharged		
4T-390 239 CID (3.9L) Diesel	4.016in./102mmX4.724in./120mm	2	CS195 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10
Turbocharged			Supercharged		
C90 309 CID (5.1L) Diesel	4.438in./112.7mmX5.000in./127mm	4	CS464 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10
C105 309 CID (5.1L) Diesel	4.438in./112.7mmX5.000in./127mm	4	Supercharged		
C140 309 CID (5.1L) Diesel	4.438in./112.7mmX5.000in./127mm	4	CS464B180 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10
Turbocharged			Supercharged		
C309 309 CID (5.1L) Diesel	4.437in./112.7mmX5.000in./127mm	4	CS464C180 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10
H4 448 CID (7.3L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	Supercharged		
H135 448 CID (7.3L) Diesel	4.875in./123.8mmX6.000in./152.4mm	5	CS464C195 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10
HA4 448 CID (7.3L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	Supercharged		
HB4 448 CID (7.3L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	CS464P180 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10
HR4 495 CID (8.1L) Diesel	5.125in./130.2mmX6.000in./152.4mm	5	Supercharged		
HR160 495 CID (8.1L) Diesel	5.125in./130.2mmX6.000in./152.4mm	5	CT160 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10
HRC4 495 CID (8.1L) Diesel	5.125in./130.2mmX6.000in./152.4mm	5	Turbocharged		
J4 267 CID (4.4L) Diesel	4.125in./104.8mmX5.000in./127mm	3	CT464 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10
J70 267 CID (4.4L) Diesel	4.125in./104.8mmX5.000in./127mm	3	Turbocharged		
J80 267 CID (4.4L) Diesel	4.125in./104.8mmX5.000in./127mm	3	Fleet 270 Big Cam II 855 CID (14.0L)	5.500in./139.7mmX6.000in./152.4mm	18
J120 267 CID (4.4L) Diesel	4.125in./104.8mmX5.000in./127mm	3	Diesel Turbocharged		
N495 495 CID (8.1L) Diesel	5.125in./130.2mmX6.000in./152.4mm	7	Fleet 300 Big Cam III 855 CID (14.0L)	5.500in./139.7mmX6.000in./152.4mm	18
NH4 495 CID (8.1L) Diesel	5.125in./130.2mmX6.000in./152.4mm	7	Diesel Turbocharged		
NHC4 495 CID (8.1L) Diesel	5.125in./130.2mmX6.000in./152.4mm	7	Fleet 300 Big Cam IV 855 CID (14.0L)	5.500in./139.7mmX6.000in./152.4mm	18
NT4 495 CID (8.1L) Diesel	5.125in./130.2mmX6.000in./152.4mm	7	Diesel Turbocharged		
Turbocharged			Formula 230 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
NT165 495 CID (8.1L) Diesel	5.125in./130.2mmX3.441in./87.4mm	7	Formula 240 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
Turbocharged			Turbocharged		
NT180 495 CID (8.1L) Diesel	5.125in./130.2mmX6.000in./152.4mm	7	Formula 240 Big Cam III 855 CID	5.500in./139.7mmX6.000in./152.4mm	18
Turbocharged			(14.0L) Diesel Turbocharged		
NT200 495 CID (8.1L) Diesel	5.125in./130.2mmX6.000in./152.4mm	7	Formula 250 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
Turbocharged			Turbocharged		
6 CYL			Formula 270 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
6-590 359 CID (5.9L) Diesel	4.016in./102mmX4.724in./120mm	9	Turbocharged		
6B 359 CID (5.9L) Diesel	4.016in./102mmX4.724in./120mm	9	Formula 270 Big Cam III 855 CID	5.500in./139.7mmX6.000in./152.4mm	18
6BT 359 CID (5.9L) Diesel	4.016in./102mmX4.724in./120mm	9	(14.0L) Diesel Turbocharged		
Turbocharged			Formula 290 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
6BTA 359 CID (5.9L) Diesel	4.016in./102mmX4.724in./120mm	9	Turbocharged		
Turbocharged/Aftercooled			Formula 300 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
6CTA 505 CID (8.3L) Diesel	4.488in./114mmX5.320in./135.1mm	12	Turbocharged		
Turbocharged			Formula 300 Big Cam III 855 CID	5.500in./139.7mmX6.000in./152.4mm	18
6T-590 359 CID (5.9L) Diesel	4.016in./102mmX4.724in./120mm	9	(14.0L) Diesel Turbocharged		
Turbocharged			Formula 300 Big Cam IV 855 CID	5.500in./139.7mmX6.000in./152.4mm	18
88NT Big Cam IV 855 CID (14.0L)	5.500in./139.7mmX6.000in./152.4mm	18	(14.0L) Diesel Turbocharged		
Diesel Turbocharged			Formula 315 Big Cam IV 855 CID	5.500in./139.7mmX6.000in./152.4mm	18
C160 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10	(14.0L) Diesel Turbocharged		
C160M 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10	Formula 350 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
C175 (Late) 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10	Turbocharged		
Turbocharged			Formula 350 Big Cam III 855 CID	5.500in./139.7mmX6.000in./152.4mm	18
C180 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10	(14.0L) Diesel Turbocharged		
Supercharged			Formula 350 Big Cam IV 855 CID	5.500in./139.7mmX6.000in./152.4mm	18
C180M 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10	(14.0L) Diesel Turbocharged		
Supercharged			Formula 365 Big Cam IV 855 CID	5.500in./139.7mmX6.000in./152.4mm	18
C190 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10	(14.0L) Diesel Turbocharged		
Turbocharged			Formula 400 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
C195 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10	Turbocharged		
Turbocharged			Formula 400 Big Cam III 855 CID	5.500in./139.7mmX6.000in./152.4mm	18
C200 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm	10	(14.0L) Diesel Turbocharged		
			Formula 400 Big Cam IV 855 CID	5.500in./139.7mmX6.000in./152.4mm	18
			(14.0L) Diesel Turbocharged		
			Formula 525 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18

CUMMINS (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
Formula C290 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	KT6 1150 CID (18.8L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	21
Formula C300 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	KT450 1150 CID (18.8L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	21
Formula C300 Big Cam III 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	KT1150C 1150 CID (18.8L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	21
Formula C350 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	KT1150C450 1150 CID (18.8L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	21
Formula C350 Big Cam III 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	KT1150C 1150 CID (18.8L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	21
Formula C400 Big Cam III 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	KTA600 1150 CID (18.8L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	21
GNH180 464 CID (7.6L) Diesel	4.438in./112.7mmX5.000in./127mm	11	L10 611 CID (10.0L) Diesel	4.921in./125mmX5.354in./136mm	14
GNH220 743 CID (12.2L)	5.125in./130.2mmX6.000in./152.4mm	16	LT-10 611 CID (10.0L) Diesel Turbocharged	4.921in./125mmX5.354in./136mm	14
GNH220GC 743 CID (12.2L)	5.125in./130.2mmX6.000in./152.4mm	16	LTA-10 611 CID (10.0L) Diesel Turbocharged	4.921in./125mmX5.354in./136mm	14
GNH220P 743 CID (12.2L)	5.125in./130.2mmX6.000in./152.4mm	16	LV8 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
GNH250GC 855 CID (14.0L)	5.500in./139.7mmX6.000in./152.4mm	18	M11 661 CID (10.8L) Diesel Turbocharged	4.921in./125mmX5.787in./147mm	14
GNH250P 855 CID (14.0L)	5.500in./139.7mmX6.000in./152.4mm	18	M11 Plus 661 CID (10.8L) Diesel Turbocharged	4.921in./125mmX5.787in./147mm	14
H6 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15	M11CELECT 661 CID (10.8L) Diesel Turbocharged	4.921in./125mmX5.787in./147mm	14
H672 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15	M11E 661 CID (10.8L) Diesel Turbocharged	4.921in./125mmX5.787in./147mm	14
H743 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	M11E CELECT 661 CID (10.8L) Diesel Turbocharged	4.921in./125mmX5.787in./147mm	14
HA6 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15	M11E Plus 661 CID (10.8L) Diesel Turbocharged	4.921in./125mmX5.787in./147mm	14
HB6 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15	MVT Big Cam IV 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
HBS6 672 CID (11.0L) Diesel Supercharged	4.875in./123.8mmX6.000in./152.4mm	15	N14 Plus 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	19
HHC4 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15	N14-330E 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19
HMR6 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15	N14-330ESP 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19
HR6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	N14-350E 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19
HR6B1 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	N14-370E 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19
HR6B 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	N14-370ESP 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19
HR16 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	N14-410E 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19
HR672 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15	N14-435E 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19
HR743 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	N14-435ESP 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19
HRB16 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	N14-460E 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19
HRBB6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	N14-485E 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19
HRBB 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	N14-525E 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19
HRF6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	N14CELECT 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	19
HRF 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	N14E 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	19
HRM6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	N14E CELECT 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	19
HRP6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	N14E Plus 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	19
HRS6 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16	N14STC 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	19
HRS6B 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16	N672 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15
HRS 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16	N743 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
HS6 672 CID (11.0L) Diesel Supercharged	4.875in./123.8mmX6.000in./152.4mm	15	N855 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
HS672 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15	N855-250 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
HS743 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	N855C220 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
HS 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15	N855C235 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
J6 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10	N855C 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
J40 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10	N855L3 (235) 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
J401 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10	N855L235 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
J 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10	N855L 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
JBS6 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10			
JF6 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10			
JN6 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10			
JNF6 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10			
JNS6 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10			
JS6 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10			
JS401 401 CID (6.6L) Diesel Supercharged	4.125in./104.8mmX5.000in./127mm	10			
JT6 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10			
JT401 401 CID (6.6L) Diesel Turbocharged	4.125in./104.8mmX5.000in./127mm	10			

CUMMINS (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
N855M 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHHE Series 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
N855P190 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHHR Series 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
N855P220 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHHR56 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
N855P235 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	Supercharged		
N855P250 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHHRS 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
N855R2 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	Supercharged		
N855R 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHHRT6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
N927 927 CID (15.2L) Diesel	5.500in./139.7mmX6.500in./165.1mm	20	Turbocharged		
NFT295 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHHRT 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Turbocharged			Turbocharged		
NFT365 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHHS 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Turbocharged			Supercharged		
NFT 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	17	NHHT6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Turbocharged			Turbocharged		
NH6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	NHHT Series 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Supercharged			Turbocharged		
NH180 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15	NHHTC290 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
NH195 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15	Turbocharged		
NH200 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	NHHTC290 Big Cam I 855 CID (14.0L)	5.500in./139.7mmX6.000in./152.4mm	18
NH220 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	Diesel Turbocharged		
NH220GC 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	NHHTC290 Formula 855 CID (14.0L)	5.500in./139.7mmX6.000in./152.4mm	18
NH220GS 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	Diesel Turbocharged		
Supercharged			NHHTC290 Formula Big Cam I 855 CID	5.500in./139.7mmX6.000in./152.4mm	18
NH220IF 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	(14.0L) Diesel Turbocharged		
NH230 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHHTC335 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
NH230B 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	Turbocharged		
NH230T 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHHTC-B300 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Turbocharged			Turbocharged		
NH240 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHHTCC290 Formula 855 CID (14.0L)	5.500in./139.7mmX6.000in./152.4mm	18
NH250 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	Diesel Turbocharged		
NH250B 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHHTCC335 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
NH250C 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	Turbocharged		
NH250M 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHHTCC350 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
NH250P 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	Turbocharged/Intercooled		
NH270 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHHTCC350 Big Cam II 855 CID	5.500in./139.7mmX6.000in./152.4mm	18
NH672 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15	(14.0L) Diesel Turbocharged		
NH743 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	NHHTO 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
NH855 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	Turbocharged		
NHB6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	NHR Series 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
NHC5 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	NHRS6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
NHC250 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	Supercharged		
NHC270 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHRS300 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
NHC400 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	Supercharged		
NHCT270 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHRS 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Turbocharged			Supercharged		
NHCT290 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHRT6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Turbocharged			Turbocharged		
NHCT Series 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHS6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Turbocharged			Supercharged		
NHD180 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15	NHS275 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
NHD230 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	Supercharged		
NHE180 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	NHS Series 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
NHE195 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	Supercharged		
NHE220 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHT Series 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
NHE225 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	Turbocharged		
NHE225B 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHTF295 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
NHF240 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	Turbocharged		
NHF265 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NRT6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
NHH6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	Turbocharged		
NHH180 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15	NRT20 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
NHH195 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15	Turbocharged		
NHH220 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15	NRT 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
NHH250 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	Turbocharged		
NHH260 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NRT06 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
NHHCT335 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	Turbocharged		
Turbocharged/Intercooled			NRT0 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
			Turbocharged		

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CUMMINS (Cont.)

ENGINE DATA (Cont.)					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
NT855P310 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855GC Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855P335 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855GS 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855P335 Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855GS Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855P380 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855L4 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855P 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855L3 (400) 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855R1 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855L4 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855R2 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855L400 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855R4 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855L 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855R 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855M 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	16	NTA855M Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA370-370 hp. 855 CID (14.0L) Diesel Turbocharged/Aftercooled	5.500in./139.7mmX6.000in./152.4mm	18	NTA855P360 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA370B 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855P360 Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA380 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855P400 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA400 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855P400 Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA420 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855P 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA420 F.F.C. 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855R 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA420C 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTAG 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA855 Big Cam III 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTAGC 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA855 Series 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTAGS 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA855-400 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTC230 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA855-420 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTC230F 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA855-450 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTC230S 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA855C360 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTC240 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA855C360 Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTC250 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA855C380 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTC250 Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA855C400 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTC250 Formula 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA855C420 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTC250 Formula Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA855C 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTC250F 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA855F3 Big Cam II 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTC250S 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA855F4 Big Cam II 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTC250S Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA855F 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTC270 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA855F Big Cam II 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTC270 Big Cam II 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA855G 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTC270CT 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTA855GC 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTC280 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18

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CUMMINS (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
NTCC400 Big Cam III 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	Power Torque 270 Formula Big Cam II 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTCC400 Big Cam IV 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	Power Torque 270C BC III 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTCC Series 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	Power Torque 300 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTCE240 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	Power Torque 300D 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTCE250 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	Power Torque 315 BC IV 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTCE290 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	Power Torque 330 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTCE Series 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	Power Torque 330D 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTE235 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	17	Power Torque C240 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTE250 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	STC Big Cam IV 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NTE290 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	Super 250 927 CID (15.2L) Diesel Super 270 927 CID (15.2L) Diesel	5.500in./139.7mmX6.500in./165.1mm	20
NTE290 Big Cam II 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	Super 300 927 CID (15.2L) Diesel Super 330 927 CID (15.2L) Diesel	5.500in./139.7mmX6.500in./165.1mm	20
NTE350 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	V6-140 352 CID (5.8L) Diesel V6-140B 352 CID (5.8L) Diesel	4.625in./117.5mmX3.500in./88.9mm	8
NTE350 Big Cam II 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	V6-155 378 CID (6.2L) Diesel V6-200 588 CID (9.6L) Diesel	4.625in./117.5mmX3.500in./88.9mm	8
NTE370 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	V6-215 588 CID (9.6L) Diesel V6E-195 588 CID (9.6L) Diesel	5.500in./139.7mmX4.125in./104.8mm	13
NTE370 Big Cam II 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	V6R-180 588 CID (9.6L) Diesel V352 352 CID (5.8L) Diesel	5.500in./139.7mmX4.125in./104.8mm	13
NTE400 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	V378 378 CID (6.2L) Diesel V378C Big Cam I 378 CID (6.2L) Diesel	4.625in./117.5mmX3.500in./88.9mm	8
NTF250 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	V588 588 CID (9.6L) Diesel VT6-200 588 CID (9.6L) Diesel	4.625in./117.5mmX3.500in./88.9mm	8
NTF255-255 hp 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	VT6-280 588 CID (9.6L) Diesel VT588 588 CID (9.6L) Diesel	5.500in./139.7mmX4.125in./104.8mm	13
NTF295 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTO6 743 CID (12.2L) Diesel Turbocharged	5.500in./139.7mmX4.125in./104.8mm	13
NTF365 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	8 CYL		
NTO6 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	16	Formula 903 903 CID (14.8L) Diesel V8-185 470 CID (7.7L) Diesel	5.500in./139.7mmX4.750in./120.7mm	28
NTO262 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	16	V8-210 504 CID (8.3L) Diesel V8-265 785 CID (12.9L) Diesel	4.625in./117.5mmX3.500in./88.9mm	22
NTO280 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	16	V8-300 785 CID (12.9L) Diesel V8E-235 785 CID (12.9L) Diesel	4.625in./117.5mmX3.750in./95.3mm	22
NTO335 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	V8R-240 785 CID (12.9L) Diesel V470 470 CID (7.7L) Diesel	5.500in./139.7mmX4.125in./104.8mm	27
NTO 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	16	V504 504 CID (8.3L) Diesel V504C Big Cam I 504 CID (8.3L) Diesel	5.500in./139.7mmX4.125in./104.8mm	27
NTTA855GC 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	V555 555 CID (9.1L) Diesel V555C 555 CID (9.1L) Diesel	4.625in./117.5mmX3.500in./88.9mm	22
NTTA855GS 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	V785 785 CID (12.9L) Diesel V903 903 CID (14.8L) Diesel	4.625in./117.5mmX4.125in./104.8mm	24
Power Torque 240 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	V903C 903 CID (14.8L) Diesel VT8-370 785 CID (12.9L) Diesel	5.500in./139.7mmX4.125in./104.8mm	27
Power Torque 240 BC III 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	VT8-380 785 CID (12.9L) Diesel VT225 Big Cam I 555 CID (9.1L) Diesel	5.500in./139.7mmX4.750in./120.7mm	28
Power Torque 240C BC III 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	VT225 Small Cam 555 CID (9.1L) Diesel Turbocharged	5.500in./139.7mmX4.125in./104.8mm	27
Power Torque 270 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	VT240 555 CID (9.1L) Diesel	4.625in./117.5mmX4.125in./104.8mm	26
Power Torque 270 BC III 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18			
Power Torque 270 Big Cam II 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18			
Power Torque 270 Formula 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18			

CUMMINS (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
8 CYL (Cont.)			12 CYL (Cont.)		
VT240 Big Cam I 555 CID (9.1L) Diesel Turbocharged	4.625in./117.5mmX4.125in./104.8mm	25	NVH 1485 CID (24.4L) Diesel	5.125in./130.2mmX6.000in./152.4mm	29
VT555 555 CID (9.1L) Diesel Turbocharged	4.625in./117.5mmX4.125in./104.8mm	26	NVHS 1485 CID (24.4L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	29
VT555 Small Cam 555 CID (9.1L) Diesel Turbocharged	4.625in./117.5mmX4.125in./104.8mm	24	V12-500 1710 CID (28.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	30
VT555C 555 CID (9.1L) Diesel Turbocharged	4.625in./117.5mmX4.125in./104.8mm	24	V12-800 1710 CID (28.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	30
VT555C Big Cam I 555 CID (9.1L) Diesel Turbocharged	4.625in./117.5mmX4.125in./104.8mm	25	V1710 1710 CID (28.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	31
VT555M Big Cam I 555 CID (9.1L) Diesel Turbocharged	4.625in./117.5mmX4.125in./104.8mm	25	V1710C500 1710 CID (28.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	31
VT785 785 CID (12.9L) Diesel Turbocharged	5.500in./139.7mmX4.125in./104.8mm	27	VT12 1485 CID (24.4L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	29
VT903 903 CID (14.8L) Diesel Turbocharged	5.500in./139.7mmX4.750in./120.7mm	28	VT700 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	30
VT903C320 903 CID (14.8L) Diesel Turbocharged	5.500in./139.7mmX4.750in./120.7mm	28	VT900 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	30
VT903C350 903 CID (14.8L) Diesel Turbocharged	5.500in./139.7mmX4.750in./120.7mm	28	VT1710 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
VT903C375 903 CID (14.8L) Diesel Turbocharged	5.500in./139.7mmX4.750in./120.7mm	28	VT1710C525 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
12 CYL			16 CYL		
K38 2301 CID (37.7L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	32	K50 3068 CID (50.3L) Diesel	6.250in./158.8mmX6.250in./158.8mm	33
KT38 2301 CID (37.7L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	32	KT50 3068 CID (50.3L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	33
KTA38 2301 CID (37.7L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	32	KTA50 3068 CID (50.3L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	33
KTTA38 2301 CID (37.7L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	32	KTTA50 3068 CID (50.3L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	33
NVH12 1485 CID (24.4L) Diesel	5.125in./130.2mmX6.000in./152.4mm	29			

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
2457-1	6.000in./152.4mm	15	127725	5.000in./127mm	10	177378	4.125in./104.8mm	13	3901566	4.724in./120mm	2
2457-2	6.000in./152.4mm	16	127726	5.000in./127mm	4	177378	4.125in./104.8mm	27	3901566	4.724in./120mm	9
20840	5.000in./127mm	4	127726	5.000in./127mm	3	180097	6.000in./152.4mm	30	390124715	5.320in./135.1mm	12
20840	5.000in./127mm	3	127726	5.000in./127mm	10	180097	6.000in./152.4mm	31	A-2551	5.000in./127mm	4
20840	5.000in./127mm	10	143523	5.000in./127mm	10	190128	6.000in./152.4mm	30	A-2551	5.000in./127mm	3
101158	6.000in./152.4mm	7	147036	4.125in./104.8mm	13	190128	6.000in./152.4mm	31	A-2551	5.000in./127mm	10
101158	3.441in./87.4mm	7	147036	4.125in./104.8mm	27	218808	6.000in./152.4mm	18	B-390124710	5.320in./135.1mm	12
121430	5.000in./127mm	11	156101	4.125in./104.8mm	13	218808	6.000in./152.4mm	17	H-2354	6.000in./152.4mm	15
121430	6.000in./152.4mm	16	156101	4.125in./104.8mm	27	3027104	5.354in./136mm	14	H-2457	6.000in./152.4mm	15
121430	6.000in./152.4mm	15	160043	4.125in./104.8mm	13	3078328	6.000in./152.4mm	19	H-90146	6.000in./152.4mm	7
121430	6.000in./152.4mm	18	160043	4.125in./104.8mm	27	3820301	5.354in./136mm	14	H-90146	6.000in./152.4mm	16
121579	6.000in./152.4mm	18	166452	3.500in./88.9mm	8	3820301R	5.354in./136mm	14	H-90146	6.000in./152.4mm	5
121579	6.000in./152.4mm	17	175635	4.125in./104.8mm	13	3901085	4.724in./120mm	1	U-2354	6.000in./152.4mm	15
122620	5.000in./127mm	10	175635	4.125in./104.8mm	27	3901085	4.724in./120mm	2			
127725	5.000in./127mm	4	175637	4.125in./104.8mm	13	3901085	4.724in./120mm	9			
127725	5.000in./127mm	3	175637	4.125in./104.8mm	27	3901566	4.724in./120mm	1			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
0-123-1	6.000in./152.4mm	16	5672	6.000in./152.4mm	5	13111-03010-D	6.000in./152.4mm	18	111786	6.000in./152.4mm	15
11M	6.000in./152.4mm	18	5672-1	6.000in./152.4mm	7	14401G	6.000in./152.4mm	16	111786	6.000in./152.4mm	18
11M-14	6.000in./152.4mm	18	5672-1	6.000in./152.4mm	5	101109	5.000in./127mm	11	111787	6.000in./152.4mm	7
17M	6.000in./152.4mm	18	5672-2	6.000in./152.4mm	7	101109	6.000in./152.4mm	16	111787	3.441in./87.4mm	7
140N	6.000in./152.4mm	18	5672-2	6.000in./152.4mm	5	101109	6.000in./152.4mm	15	112330	5.000in./127mm	4
176H	6.000in./152.4mm	18	10846	6.000in./152.4mm	16	101109	6.000in./152.4mm	18	112330	5.000in./127mm	3
1054-1B	5.000in./127mm	10	10974	5.000in./127mm	10	106071	5.000in./127mm	10	121610	6.000in./152.4mm	18
1282-1	6.000in./152.4mm	16	11054	5.000in./127mm	10	110760	5.000in./127mm	11	121610	6.000in./152.4mm	17
1285-1	6.000in./152.4mm	7	11054-1	5.000in./127mm	4	110760	6.000in./152.4mm	16	123380	6.000in./152.4mm	7
1285-1	6.000in./152.4mm	5	11054-1	5.000in./127mm	3	110760	6.000in./152.4mm	15	123380	6.000in./152.4mm	5
5671-1	6.000in./152.4mm	16	11054-1	5.000in./127mm	10	110760	6.000in./152.4mm	18	123400	6.000in./152.4mm	7
5671-2	6.000in./152.4mm	16	11054-1B	5.000in./127mm	10	111786	5.000in./127mm	11	123400	6.000in./152.4mm	5
5672	6.000in./152.4mm	7	11054-B	5.000in./127mm	10	111786	6.000in./152.4mm	16	123410	5.000in./127mm	11

CUMMINS (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
123410	6.000in./152.4mm	16	142770	6.000in./152.4mm	17	162168	6.000in./152.4mm	18	3903827	4.724in./120mm	2
123410	6.000in./152.4mm	15	142960	6.000in./152.4mm	18	162168	6.000in./152.4mm	17	3903830	4.724in./120mm	2
123410	6.000in./152.4mm	18	142960	6.000in./152.4mm	17	162186	6.000in./152.4mm	18	3907803	4.724in./120mm	2
123420	6.000in./152.4mm	16	143140	6.000in./152.4mm	30	162186	6.000in./152.4mm	17	3907804	4.724in./120mm	9
130186	5.000in./127mm	11	143140	6.000in./152.4mm	31	162187	6.000in./152.4mm	7	E5734-JN	5.000in./127mm	10
130186	6.000in./152.4mm	16	145480	4.125in./104.8mm	13	162187	6.000in./152.4mm	5	H1285	6.000in./152.4mm	7
130186	6.000in./152.4mm	15	145830	4.125in./104.8mm	27	179440	4.125in./104.8mm	27	H1285	6.000in./152.4mm	5
130186	6.000in./152.4mm	18	145840	4.125in./104.8mm	13	179450	4.125in./104.8mm	13	H1285-1	6.000in./152.4mm	7
135030	6.000in./152.4mm	18	146450	5.000in./127mm	10	182240	4.125in./104.8mm	27	H1285-1	6.000in./152.4mm	5
135030	6.000in./152.4mm	17	146460	6.000in./152.4mm	30	182250	4.125in./104.8mm	13	H2907	6.000in./152.4mm	7
135580	5.000in./127mm	4	146460	6.000in./152.4mm	31	390562	5.320in./135.1mm	12	H2907	6.000in./152.4mm	5
135580	5.000in./127mm	3	148350	4.125in./104.8mm	13	1802224C92	6.000in./152.4mm	18	H5671	6.000in./152.4mm	7
135581	5.000in./127mm	4	156290	5.000in./127mm	10	1802224C93	6.000in./152.4mm	18	H5671	6.000in./152.4mm	5
135581	5.000in./127mm	3	156920	4.125in./104.8mm	13	1803420C1	6.000in./152.4mm	18	H5671-1	6.000in./152.4mm	16
136530	6.000in./152.4mm	18	158370	4.125in./104.8mm	27	1805420C1	6.000in./152.4mm	18	NH0123	6.000in./152.4mm	16
136530	6.000in./152.4mm	17	159620	4.125in./104.8mm	13	3027931	5.354in./136mm	14			
142690	4.125in./104.8mm	27	161360	4.125in./104.8mm	13	3064291	6.000in./152.4mm	19			
142770	6.000in./152.4mm	18	161960	4.125in./104.8mm	27	3819989	5.354in./136mm	14			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

3 CYL

1	180 CID (3.0L) 3B Diesel 3 Cyl			4.016in./102mm x 4.724in./120mm				1
	180 CID (3.0L) 3BT Turbocharged Diesel 3 Cyl			4.016in./102mm x 4.724in./120mm				
Rod Bearing(3)	TM-112	CB-1413P	STD,.25mm,.50mm,.75mm	2.7160/2.7170	0.0015/0.0045	0.0775	2.8735/2.8745	1.2250
Main Bearing Set	TM-112	MS-1719P	STD,.25mm,.50mm,.75mm					
1-3		MB-3110P		3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.1430
2		MB-3109P(F)		3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.4700
Cam Bearing	AL-3	SH-1404	STD	2.1245/2.1265			2.2528/2.2542	1.0100
NOTE: Only Sold Separately, Position Number 1								
Rod Forging	3901085, 3901566							
Connecting Rod	Step A 26 Lbs.Ft.; Step B 51 Lbs.Ft.; Step C 73 Lbs.Ft.							
Main Bearing	Step A 44 Lbs.Ft.; Step B 88 Lbs.Ft.; Step C 129 Lbs.Ft.							

4 CYL

2	239 CID (3.9L) 4-390,4B Diesel 4 Cyl			4.016in./102mm x 4.724in./120mm				2
	239 CID (3.9L) 4BTA,4BT,4T-390 Turbocharged Diesel 4 Cyl			4.016in./102mm x 4.724in./120mm				
Rod Bearing(4)	TM-112	CB-1413P	STD,.25mm,.50mm,.75mm	2.7160/2.7170	0.0015/0.0045	0.0775	2.8735/2.8745	1.2250
Main Bearing Set	TM-112	MS-1718P	STD,.25mm,.50mm,.75mm					
1-2-3-5		MB-3110P		3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.1430
4		MB-3109P(F)		3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.4700
Cam Bearing	AL-3	SH-1404	STD	2.1245/2.1265			2.2528/2.2542	1.0100
NOTE: Only Sold Separately, Position Number 1								
Rod Forging	3901085, 3901566							
C/S Forging	3903827, 3903830, 3907803							
Connecting Rod	Step A 26 Lbs.Ft.; Step B 51 Lbs.Ft.; Step C 73 Lbs.Ft.							
Main Bearing	Step A 44 Lbs.Ft.; Step B 88 Lbs.Ft.; Step C 129 Lbs.Ft.							

3	267 CID (4.4L) J120,J4,J70,J80 Diesel 4 Cyl				4.125in./104.8mm x 5.000in./127mm				3	
	Rod Bearing(4)	TM-112	CB-470P	STD,10,20,30	2.6240/2.6250	0.0025/0.0050	0.0728	2.7725/2.7730		1.6700
	Main Bearing Set	TM-112	MS-530P	STD,10,20						
	1-2-3-4-5		MB-1589P		3.8740/3.8750	0.0021/0.0051	0.1236	4.1240/4.1250		1.1200
	5		MB-2513W		4.4950/4.5000			4.9100/4.9200		0.1520
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position										
Rod Forging	20840, 127725, 127726, A-2551									
C/S Forging	112330, 135580, 135581, 11054-1									

4	309 CID (5.1L) C105,C90 Diesel 4 Cyl			4.438in./112.7mm x 5.000in./127mm				4
	309 CID (5.1L) C140 Turbocharged Diesel 4 Cyl			4.438in./112.7mm x 5.000in./127mm				
	309 CID (5.1L) C309 Diesel 4 Cyl			4.437in./112.7mm x 5.000in./127mm				
Rod Bearing(4)	TM-112	CB-470P	STD,10,20,30	2.6240/2.6250	0.0025/0.0050	0.0728	2.7725/2.7730	1.6700
Main Bearing Set	TM-112	MS-530P	STD,10,20					
1-2-3-4-5		MB-1589P		3.8740/3.8750	0.0021/0.0051	0.1236	4.1240/4.1250	1.1200
5		MB-2513W		4.4950/4.5000			4.9100/4.9200	0.1520
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								

CUMMINS (Cont.)

COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
4 (Cont.)	309 CID (5.1L) C105,C90 Diesel 4 Cyl				4.438in./112.7mm x 5.000in./127mm			4 (Cont.)	
	309 CID (5.1L) C140 Turbocharged Diesel 4 Cyl				4.438in./112.7mm x 5.000in./127mm				
	309 CID (5.1L) C309 Diesel 4 Cyl				4.437in./112.7mm x 5.000in./127mm				
Cam Bearing(7)	AL-3	SH-1402	STD	2.3650/2.3660		0.0773	2.5192/2.5202	0.9940	
Rod Forging	20840, 127725, 127726, A-2551								
C/S Forging	112330, 135580, 135581, 11054-1								
5	448 CID (7.3L) H135 Diesel 4 Cyl				4.875in./123.8mm x 6.000in./152.4mm			5	
	495 CID (8.1L) HR160,HR4,HRC4 Diesel 4 Cyl				5.125in./130.2mm x 6.000in./152.4mm				
Rod Bearing(4)	TM-112	CB-296P	STD,10,20,30,40	3.1240/3.1250		0.0022/0.0047	0.0729	3.2725/3.2730	1.9800
NOTE: From Engine Serial Number 120911,Top Oiler									
Main Bearing Set	TM-112	MS-1531P	STD,10,20						
1-3		MB-2860P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.0500	
2-4		MB-2861P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	1.5500	
5		MB-2862P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.2500	
NOTE: Except Engines Oiling Thru Caps,From Engine Serial Number 120911,Top Oiler, Contains Lockplates,Grooves And Oil Holes In Upper Bearing Halves, Plain Lower Bearing Halves,Ridges In Excess Of .001" Must Be Removed From Crankshaft Journals									
Thrust Washer Set		TW-369S	STD						
		MB-2862W		4.5300/4.5600			5.4220/5.4680	0.2470	
NOTE: From Engine Serial Number 120911,Top Oiler, Contains 4 Pieces, Position Number 5, Use With Part Number MS-1531P									
Rod Forging	H-90146								
C/S Forging	5672, H1285, H2907, H5671, 123380, 123400, 1285-1, 162187, 5672-1, 5672-2, H1285-1								
Connecting Rod	50 To 55 Lbs.Ft. Plus 60 Degrees								
Main Bearing	140 Lbs.Ft. Plus 30 Degrees								
6	448 CID (7.3L) H4,HA4,HB4 Diesel 4 Cyl				4.875in./123.8mm x 6.000in./152.4mm			6	
Rod Bearing(4)	TM-112	CB-296P	STD,10,20,30,40	3.1240/3.1250		0.0022/0.0047	0.0729	3.2725/3.2730	1.9800
NOTE: Bottom Oiler,Thru Eng. Serial No. 120911									
7	495 CID (8.1L) N495,NH4,NHC4 Diesel 4 Cyl				5.125in./130.2mm x 6.000in./152.4mm			7	
	495 CID (8.1L) NT165 Turbocharged Diesel 4 Cyl				5.125in./130.2mm x 3.441in./87.4mm				
	495 CID (8.1L) NT180,NT200,NT4 Turbocharged Diesel 4 Cyl				5.125in./130.2mm x 6.000in./152.4mm				
Rod Bearing(4)	TM-112	CB-296P	STD,10,20,30,40	3.1240/3.1250		0.0022/0.0047	0.0729	3.2725/3.2730	1.9800
Main Bearing Set	TM-112	MS-1531P	STD,10,20						
1-3		MB-2860P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.0500	
2-4		MB-2861P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	1.5500	
5		MB-2862P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.2500	
NOTE: Except Engines Oiling Thru Caps, Contains Lockplates									
Thrust Washer Set		TW-369S	STD						
		MB-2862W		4.5300/4.5600			5.4220/5.4680	0.2470	
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1531P									
Piston Pin Bushing(8)	C-1	223-3496	STD						
NOTE: Late Design, Requires 2 Per Rod,Requires Boring									
Rod Forging	101158								
C/S Forging	111787								
Connecting Rod	50 To 55 Lbs.Ft. Plus 60 Degrees								
Main Bearing	140 Lbs.Ft. Plus 30 Degrees								
6 CYL									
8	352 CID (5.8L) V352,V6-140B,V6-140 Diesel V6 Cyl				4.625in./117.5mm x 3.500in./88.9mm			8	
	378 CID (6.2L) V378C Big Cam I,V378,V6-155 Diesel V6 Cyl				4.625in./117.5mm x 3.500in./88.9mm				
Rod Bearing(6)	TM-112	CB-1631P	STD,10,20,30	2.4990/2.5000		0.0020/0.0050	0.0948	2.6910/2.6920	1.1750
NOTE: Phase 5 Engine									
Main Bearing Set	TM-112	MS-1060P	STD,10,20,30						
1-4		MB-2598P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.0520	
2-3		MB-2599P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.1410	
4		MB-2598W		3.8050/3.8150			4.4850/4.4950	0.1510	
NOTE: Phase 5 Engine, Contains 4 Piece Thrust Washer Set, Use In Number 4 Position,Contains Dowel Pins									

CUMMINS (Cont.)

CUMMINS (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
8 (Cont.)	352 CID (5.8L) V352,V6-140B,V6-140 Diesel V6 Cyl				4.625in./117.5mm x 3.500in./88.9mm				8 (Cont.)
	378 CID (6.2L) V378C Big Cam I,V378,V6-155 Diesel V6 Cyl				4.625in./117.5mm x 3.500in./88.9mm				
Thrust Washer Set		TW-448S	STD	3.8050/3.8150			4.4850/4.4950	0.1510	
		MB-2598W							
NOTE: Phase 5 Engine, Contains 4 Pieces, Position Number 4, Use With Part Number MS-1060P									
Cam Bearing Set		B-1	SH-1395S	STD	1.9975/1.9985		0.0010/0.0045	0.0963	2.1865/2.1875
1-4			SH-1394		1.9975/1.9985		0.0010/0.0045	0.0963	2.1865/2.1875
2-3			SH-1395						0.9000
NOTE: Phase 5 Engine									
Piston Pin Bushing(6)		C-1	223-3564	STD			0.1400	1.6250/1.6255	1.5280
NOTE: Requires Boring									
9	359 CID (5.9L) 6-590,6B Diesel 6 Cyl				4.016in./102mm x 4.724in./120mm				9
	359 CID (5.9L) 6BTA Turbocharged/Aftercooled Diesel 6 Cyl				4.016in./102mm x 4.724in./120mm				
	359 CID (5.9L) 6BT,6T-590 Turbocharged Diesel 6 Cyl				4.016in./102mm x 4.724in./120mm				
Rod Bearing(6)		TM-112	CB-1413P	STD,.25mm,.50mm,.75mm	2.7160/2.7170	0.0015/0.0045	0.0775	2.8735/2.8745	1.2250
Main Bearing Set		TM-112	MS-1717P	STD,.25mm,.50mm,.75mm	3.2672/3.2682		0.0017/0.0047	0.0970	3.4638/3.4652
1-2-3-4-5-7			MB-3110P		3.2672/3.2682		0.0017/0.0047	0.0970	3.4638/3.4652
6			MB-3109P(F)						1.4700
Cam Bearing		AL-3	SH-1404	STD	2.1245/2.1265			2.2528/2.2542	1.0100
NOTE: Only Sold Separately, Position Number 1									
Piston Pin Bushing(6)		C-1	223-3644	STD			0.0690	1.6924/1.6934	1.5100
NOTE: Requires Boring									
Rod Forging		3901085, 3901566							
C/S Forging		3907804							
Connecting Rod		Step A 26 Lbs.Ft.; Step B 51 Lbs.Ft.; Step C 73 Lbs.Ft.							
Main Bearing		Step A 44 Lbs.Ft.; Step B 88 Lbs.Ft.; Step C 129 Lbs.Ft.							
10	401 CID (6.6L) J401,J40,J6,JBS6,J,JF6,JN6,JNF6,JNS6,JS6,JT6 Diesel 6 Cyl				4.125in./104.8mm x 5.000in./127mm				10
	401 CID (6.6L) JS401 Supercharged Diesel 6 Cyl				4.125in./104.8mm x 5.000in./127mm				
	401 CID (6.6L) JT401 Turbocharged Diesel 6 Cyl				4.125in./104.8mm x 5.000in./127mm				
	464 CID (7.6L) C160,C160M,C200,C240,C464B160,C464C160,C464,C464P160,CF160 Diesel 6 Cyl				4.437in./112.7mm x 5.000in./127mm				
	464 CID (7.6L) C175 (Late),C190,C195,CT160,CT464 Turbocharged Diesel 6 Cyl				4.437in./112.7mm x 5.000in./127mm				
	464 CID (7.6L) C180,C180M,CR160,CS195,CS464B180,CS464C180,CS464C195,CS464,C464P180 Supercharged Diesel 6 Cyl				4.437in./112.7mm x 5.000in./127mm				
Rod Bearing(6)		TM-112	CB-470P	STD,10,20,30	2.6240/2.6250	0.0025/0.0050	0.0728	2.7725/2.7730	1.6700
NOTE: Late Design, Oil Hole In Bearing									
Rod Forging		20840, 122620, 127725, 127726, 143523, A-2551							
C/S Forging		10974, 11054, 106071, 146450, 156290, 1054-1B, 11054-1, 11054-B, 11054-1B, E5734-JN							
11	464 CID (7.6L) GNH180 Diesel 6 Cyl				4.438in./112.7mm x 5.000in./127mm				11
Rod Bearing(6)		TM-112	CB-296P	STD,10,20,30,40	3.1240/3.1250	0.0022/0.0047	0.0729	3.2725/3.2730	1.9800
Main Bearing Set		TM-112	MS-1687P	STD,10,20,30,40	4.4990/4.5000		0.0019/0.0053	0.1237	4.7490/4.7500
1-3-5			MB-2860P		4.4990/4.5000		0.0019/0.0053	0.1237	4.7490/4.7500
2-4-6			MB-2861P		4.4990/4.5000		0.0019/0.0053	0.1237	4.7490/4.7500
7			MB-2862P		4.4990/4.5000		0.0019/0.0053	0.1237	4.7490/4.7500
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position,Contains Lockplates									
Thrust Washer Set		TW-369S	STD	4.5300/4.5600			5.4220/5.4680	0.2470	
		MB-2862W							
NOTE: Contains 4 Pieces, Position Number 7, Use With Part Number MS-1687P									
Cam Bearing Set		C-1	SH-568S	STD	1.9970/1.9980		0.0010/0.0050	0.0648	2.1285/2.1295
1			SH-318		1.9970/1.9980		0.0010/0.0050	0.0648	2.1285/2.1295
2-3-4-5-6-7			SH-568						1.6950
NOTE: Bearings For Positions 2,3,4,5,6, And 7 Have 4 Oil Holes .15625" Diameter									
Rod Forging		121430							
C/S Forging		101109, 110760, 111786, 123410, 130186							
Connecting Rod		50 To 55 Lbs.Ft. Plus 60 Degrees							
Main Bearing		140 To 145 Lbs.Ft. Plus 30 Degrees							

CUMMINS (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
12	505 CID (8.3L) 6CTA Turbocharged Diesel 6 Cyl				4.488in./114mm x 5.320in./135.1mm			12
	505 CID (8.3L) C Series Diesel 6 Cyl				4.490in./114mm x 5.320in./135.1mm			
Rod Bearing(6)	TM-112	CB-1409P	STD,.25mm,.50mm,.75mm,1.00mm	2.9906/2.9926	0.0013/0.0046	0.0972	3.1885/3.1895	1.5010
Main Bearing Set 1-2-3-5-6-7 4	TM-112	MS-1740P MB-3104P MB-3105P(F)	STD,.25mm,.50mm	3.8568/3.8588 3.8568/3.8588	0.0024/0.0055 0.0024/0.0055	0.1360 0.1360	4.1333/4.1344 4.1333/4.1344	1.3430 1.6860
Cam Bearing(7) NOTE: Only Sold Separately	AL-3	SH-1402	STD	2.3650/2.3660		0.0773	2.5192/2.5202	0.9940
Piston Pin Bushing(6) NOTE: Requires Boring	C-1	223-3642	STD			0.0890	1.9287/1.9296	1.7820
Rod Forging C/S Forging	390124715, B-390124710 390562							
Connecting Rod Main Bearing	Step A 30 Lbs.Ft.; Step B 60 Lbs.Ft.; Step C 88 Lbs.Ft. Step A 37 Lbs.Ft.; Step B 88 Lbs.Ft.; Step C 129 Lbs.Ft.							
13	588 CID (9.6L) V588,V6-200,V6-215,V6E-195,V6R-180 Diesel V6 Cyl				5.500in./139.7mm x 4.125in./104.8mm			13
	588 CID (9.6L) VT588,VT6-200,VT6-280 Turbocharged Diesel V6 Cyl				5.500in./139.7mm x 4.125in./104.8mm			
Rod Bearing(6) NOTE: Engines With 3.125" Crank Pins	TM-112	CB-754P	STD	3.1240/3.1250	0.0020/0.0045	0.0948	3.3160/3.3165	1.3120
Piston Pin Bushing(6) NOTE: Requires Boring,Tapered Bushing	C-1	223-3545	STD			0.1400	2.2500/2.2500	2.2100
Rod Forging C/S Forging	147036, 156101, 160043, 175635, 175637, 177378 145480, 145840, 148350, 156920, 159620, 161360, 179450, 182250							
Connecting Rod Main Bearing	Step A 55 To 60 Lbs.Ft.; Step B 105 To 115 Lbs.Ft.; Step C Loosen All Nuts; Step D 30 To 32 Lbs.Ft.; Step E 60 To 65 Lbs.Ft.; Step F Rotate 30 Degrees; Step G Rotate 30 Degrees; Step H Bend Tangs Of Lockplates To Lock Nut (Lubricated Bolts) Step A 150 To 160 Lbs.Ft.; Step B 340 To 350 Lbs.Ft.; Step C Loosen Bolts; Step D 85 To 90 Lbs.Ft.; Step E 170 To 180 Lbs.Ft.; Step F Rotate 30 Degrees; Step G Rotate 30 Degrees; Step H Tighten Side Bolts 35 To 40 Lbs.Ft.; Step I Tighten Side Bolts 70 To 75 Lbs.Ft. (Lubricated Bolts)							
14	611 CID (10.0L) L10 Diesel 6 Cyl				4.921in./125mm x 5.354in./136mm			14
	611 CID (10.0L) LT-10,LTA-10 Turbocharged Diesel 6 Cyl				4.921in./125mm x 5.354in./136mm			
	661 CID (10.8L) M11 Plus,M11CELECT,M11,M11E CELECT,M11E Plus,M11E Turbocharged Diesel 6 Cyl				4.921in./125mm x 5.787in./147mm			
Rod Bearing(6) NOTE: Thru Eng. Serial No. 3485336	TM-112	CB-1382P	STD,.25mm,.50mm,.75mm	3.1097/3.1107	0.0011/0.0041	0.0974	3.3066/3.3076	1.6620
Main Bearing Set 1-2-3-4-5-6-7 4 NOTE: Thru Eng. Serial No. 3485336, Contains 4 Piece Thrust Washer Set, Use In Number 4 Position,Contains Thrust Washers	TM-112	MS-1716P MB-3077P MB-3078W	STD,.25mm,.50mm,.75mm	4.4888/4.4903 4.9314/4.9419	0.0018/0.0051	0.1553	4.8027/4.8035 5.5613/5.5719	1.4420 0.1925
Thrust Washer Set NOTE: Thru Eng. Serial No. 3485336, Contains 4 Pieces, Position Number 4, Use With Part Number MS-1716P		TW-457S MB-3078W	STD	4.9314/4.9419			5.5613/5.5719	0.1925
Cam Bearing Set 1-2-3-4-5-6-7 NOTE: Thru Eng. Serial No. 3485336	C-1	SH-1773S SH-1773	STD	2.8341/2.8352	0.0029/0.0054	0.0965	3.0310/3.0320	1.1910
Rod Forging C/S Forging	3027104, 3820301, 3820301R 3027931, 3819989							
Connecting Rod Main Bearing	Step A 50 Lbs.Ft.; Step B 105 Lbs.Ft.; Step C 155 Lbs.Ft. Step D Loosen And Repeat Steps A,B And C Step A 50 Lbs.Ft.; Step B 105 Lbs.Ft.; Step C 155 Lbs.Ft. Step D Loosen And Repeat Steps A,B And C							
15	672 CID (11.0L) H672,H6,HA6,HB6,HHC4,HMR6,HR672,HS672,HS,N672,NH180,NH195,NH672,NHD180,NHH180,NHH195,NHH220 Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm			15
	672 CID (11.0L) HBS6,HS6 Supercharged Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm			
Rod Bearing(6)	TM-112	CB-296P	STD,10,20,30,40	3.1240/3.1250	0.0022/0.0047	0.0729	3.2725/3.2730	1.9800
Main Bearing Set 1-3-5 2-4-6 7 NOTE: From Engine Serial Number 120911,Top Oilier, Contains 4 Piece Thrust Washer Set, Use In Number 7 Position,Contains Lockplates	TM-112	MS-1687P MB-2860P MB-2861P MB-2862P	STD,10,20,30,40	4.4990/4.5000 4.4990/4.5000 4.4990/4.5000	0.0019/0.0053 0.0019/0.0053 0.0019/0.0053	0.1237 0.1237 0.1237	4.7490/4.7500 4.7490/4.7500 4.7490/4.7500	2.0500 1.5500 2.2500

CUMMINS (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
15 (Cont.)	672 CID (11.0L) H672,H6,HA6,HB6,HHC4,HMR6,HR672,HS672,HS,N672,NH180,NH195,NH672,NHD180,NHH180,NHH195,NHH220 Diesel 6 Cyl			4.875in./123.8mm x 6.000in./152.4mm				15 (Cont.)
	672 CID (11.0L) HBS6,HS6 Supercharged Diesel 6 Cyl			4.875in./123.8mm x 6.000in./152.4mm				
Thrust Washer Set TW-369S STD MB-2862W				4.5300/4.5600			5.4220/5.4680	0.2470
NOTE: From Engine Serial Number 120911,Top Oiler, Contains 4 Pieces, Position Number 7, Use With Part Number MS-1687P								
Cam Bearing Set C-1 SH-568S STD 1 SH-318 2-3-4-5-6-7 SH-568				1.9970/1.9980 1.9970/1.9980	0.0010/0.0050 0.0010/0.0050	0.0648 0.0648	2.1285/2.1295 2.1285/2.1295	2.2570 1.6950
NOTE: Bearings For Positions 2,3,4,5,6, And 7 Have 4 Oil Holes .15625" Diameter								
Piston Pin Bushing(6) C-1 223-3496 STD						0.1400	2.2500/2.2505	1.1040
NOTE: Requires Boring								
Rod Forging 121430, 2457-1, H-2354, H-2457, U-2354 C/S Forging 101109, 110760, 111786, 123410, 130186								
Connecting Rod 50 To 55 Lbs.Ft. Plus 60 Degrees Main Bearing 140 To 145 Lbs.Ft. Plus 30 Degrees								
16	743 CID (12.2L) GNH220,GNH220GC,GNH220P 6 Cyl			5.125in./130.2mm x 6.000in./152.4mm				16
	743 CID (12.2L) H743,HR16,HR6B1,HR6B,HR6,HR743,HRB16,HRBB6,HRBB,HRF6,HRF,HRM6,HRP6,HS743,N743,NH200,NH220,NH220GC,NH220IF,NH743,NHB6,NHC5,NHE180,NHE195,NHH6,NHHR Series,NHR Series Diesel 6 Cyl			5.125in./130.2mm x 6.000in./152.4mm				
	743 CID (12.2L) HRS6B,HRS6,HRS,NH220GS,NH6,NHHR6,NHHR6,NHHS,NHRS300,NHRS6,NHRS,NHS Series,NHS275,NHS6,NS743B290,NS743B320,NS743C290,NS743C320,NS743,NS743P290,NS743P320 Supercharged Diesel 6 Cyl			5.125in./130.2mm x 6.000in./152.4mm				
	743 CID (12.2L) NHHRT6,NHHRT,NHHT Series,NHHT6,NHHTC-B300,NHHTO,NHRT6,NRT20,NRT6,NRT,NRTO6,NRTO,NT6,NT743,NT,NTO262,NTO280,NTO6,NTO Turbocharged Diesel 6 Cyl			5.125in./130.2mm x 6.000in./152.4mm				
Rod Bearing(6) TM-112 CB-296P STD,10,20,30,40				3.1240/3.1250	0.0022/0.0047	0.0729	3.2725/3.2730	1.9800
Main Bearing Set TM-112 MS-1687P STD,10,20,30,40 1-3-5 MB-2860P 2-4-6 MB-2861P 7 MB-2862P				4.4990/4.5000 4.4990/4.5000 4.4990/4.5000	0.0019/0.0053 0.0019/0.0053 0.0019/0.0053	0.1237 0.1237 0.1237	4.7490/4.7500 4.7490/4.7500 4.7490/4.7500	2.0500 1.5500 2.2500
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position,Contains Lockplates								
Thrust Washer Set TW-369S STD MB-2862W				4.5300/4.5600			5.4220/5.4680	0.2470
NOTE: Contains 4 Pieces, Position Number 7, Use With Part Number MS-1687P								
Cam Bearing Set C-1 SH-568S STD 1 SH-318 2-3-4-5-6-7 SH-568				1.9970/1.9980 1.9970/1.9980	0.0010/0.0050 0.0010/0.0050	0.0648 0.0648	2.1285/2.1295 2.1285/2.1295	2.2570 1.6950
NOTE: Bearings For Positions 2,3,4,5,6, And 7 Have 4 Oil Holes .15625" Diameter								
Piston Pin Bushing(6) C-1 223-3496 STD						0.1400	2.2500/2.2505	1.1040
NOTE: Late Design, Requires Boring								
Piston Pin Bushing(6) C-1 223-3545 STD						0.1400	2.2500/2.2500	2.2100
NOTE: Requires Boring								
Rod Forging 121430 C/S Forging 101109, 110760, 111786, 123410, 130186								
Connecting Rod 50 To 55 Lbs.Ft. Plus 60 Degrees Main Bearing 140 To 145 Lbs.Ft. Plus 30 Degrees								
17	743 CID (12.2L) NFT,NTE235 Turbocharged Diesel 6 Cyl			5.125in./130.2mm x 6.000in./152.4mm				17
Rod Bearing(6) TM-112 CB-625P STD,10,20,30,40 NOTE: 3.2725"/3.2730" Connecting Rod Housing Bore				3.1240/3.1250	0.0022/0.0047	0.0729	3.2725/3.2730	1.7300
Rod Bearing(6) TM-112 CB-1226P STD,10,20,30,40 NOTE: 3.3160"/3.3165" Connecting Rod Housing Bore				3.1240/3.1250	0.0020/0.0045	0.0947	3.3160/3.3165	1.7410

CUMMINS (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
17 (Cont.)	743 CID (12.2L) NFT,NTE235 Turbocharged Diesel 6 Cyl				5.125in./130.2mm x 6.000in./152.4mm			17 (Cont.)
Main Bearing Set	TM-112	MS-1687P	STD,10,20,30,40					
1-3-5		MB-2860P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.0500
2-4-6		MB-2861P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	1.5500
7		MB-2862P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.2500
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position,Contains Lockplates								
Thrust Washer Set		TW-369S	STD					
		MB-2862W		4.5300/4.5600			5.4220/5.4680	0.2470
NOTE: Contains 4 Pieces, Position Number 7, Use With Part Number MS-1687P								
Cam Bearing Set	C-1	SH-568S	STD					
1		SH-318		1.9970/1.9980	0.0010/0.0050	0.0648	2.1285/2.1295	2.2570
2-3-4-5-6-7		SH-568		1.9970/1.9980	0.0010/0.0050	0.0648	2.1285/2.1295	1.6950
NOTE: 2.000" Camshaft Bearing Journal Diameter,Small Cam, Bearings For Positions 2,3,4,5,6, And 7 Have 4 Oil Holes .15625" Diameter								
Cam Bearing Set	C-1	SH-1529S	STD					
1-2-4-6		SH-1529		2.4960/2.4970	0.0013/0.0055	0.0941	2.6865/2.6880	1.7050
3-5		SH-1378		2.4960/2.4970	0.0013/0.0048	0.0941	2.6865/2.6875	2.2050
7		SH-1377		2.4960/2.4970	0.0013/0.0048	0.0941	2.6865/2.6875	1.7050
NOTE: 2.500" Camshaft Bearing Journal Diameter,Big Cam, 2.205" Long Bearings For Positions 3 And 5								
Piston Pin Bushing(12)	C-1	223-3496	STD			0.1400	2.2500/2.2505	1.1040
NOTE: Late Design, Requires 2 Per Rod,Requires Boring								
Piston Pin Bushing(6)	C-1	223-3545	STD			0.1400	2.2500/2.2500	2.2100
NOTE: Requires Boring								
Rod Forging	121579, 218808							
C/S Forging	121610, 135030, 136530, 142770, 142960, 162168, 162186							
Connecting Rod	140 To 150 Lbs.Ft. (3.3160"/3.3165" Connecting Rod Housing Bore)							
Connecting Rod	50 To 55 Lbs.Ft. Plus 60 Degrees (3.2725"/3.2730" Connecting Rod Housing Bore)							
Main Bearing	140 To 145 Lbs.Ft. Plus 30 Degrees							
18	855 CID (14.0L) For Specific Engine Descriptions See Index Diesel 6 Cyl				5.500in./139.7mm x 6.000in./152.4mm			18
Rod Bearing(6)	TM-112	CB-625P	STD,10,20,30,40	3.1240/3.1250	0.0022/0.0047	0.0729	3.2725/3.2730	1.7300
NOTE: 3.2725"/3.2730" Connecting Rod Housing Bore								
Rod Bearing(6)	TM-112	CB-1226P	STD,10,20,30,40	3.1240/3.1250	0.0020/0.0045	0.0947	3.3160/3.3165	1.7410
NOTE: 3.3160"/3.3165" Connecting Rod Housing Bore								
Main Bearing Set	TM-112	MS-1687P	STD,10,20,30,40					
1-3-5		MB-2860P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.0500
2-4-6		MB-2861P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	1.5500
7		MB-2862P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.2500
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position,Contains Lockplates								
Thrust Washer Set		TW-369S	STD					
		MB-2862W		4.5300/4.5600			5.4220/5.4680	0.2470
NOTE: Contains 4 Pieces, Position Number 7								
Cam Bearing Set	C-1	SH-568S	STD					
1		SH-318		1.9970/1.9980	0.0010/0.0050	0.0648	2.1285/2.1295	2.2570
2-3-4-5-6-7		SH-568		1.9970/1.9980	0.0010/0.0050	0.0648	2.1285/2.1295	1.6950
NOTE: 2.000" Camshaft Bearing Journal Diameter,Small Cam, Bearings For Positions 2,3,4,5,6, And 7 Have 4 Oil Holes .15625" Diameter								
Cam Bearing Set	C-1	SH-1529S	STD					
1-2-4-6		SH-1529		2.4960/2.4970	0.0013/0.0055	0.0941	2.6865/2.6880	1.7050
3-5		SH-1378		2.4960/2.4970	0.0013/0.0048	0.0941	2.6865/2.6875	2.2050
7		SH-1377		2.4960/2.4970	0.0013/0.0048	0.0941	2.6865/2.6875	1.7050
NOTE: 2.500" Camshaft Bearing Journal Diameter,Big Cam, 2.205" Long Bearings For Positions 3 And 5								
Piston Pin Bushing(6)	C-1	223-3545	STD			0.1400	2.2500/2.2500	2.2100
NOTE: Requires Boring								
Rod Forging	121579, 218808							
C/S Forging	121610, 135030, 136530, 142770, 142960, 162168, 162186							

CUMMINS (Cont.)

CUMMINS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
18 (Cont.)	855 CID (14.0L) For Specific Engine Descriptions See Index Diesel 6 Cyl				5.500in./139.7mm x 6.000in./152.4mm			18 (Cont.)
Connecting Rod	120 Lbs.Ft. (3.2725"/3.2730" Connecting Rod Housing Bore)							
Connecting Rod	140 To 150 Lbs.Ft. (3.3160"/3.3165" Connecting Rod Housing Bore)							
Main Bearing	140 To 145 Lbs.Ft. Plus 30 Degrees							
19	855 CID (14.0L) N14 Plus,N14CELECT,N14E CELECT,N14E Plus,N14E,N14STC Turbocharged Diesel 6 Cyl				5.500in./139.7mm x 6.000in./152.4mm			19
	855 CID (14.0L) N14-330E,N14-330ESP,N14-350E,N14-370E,N14-370ESP,N14-410E,N14-435E,N14-435ESP,N14-460E,N14-485E,N14-525E Diesel 6 Cyl				5.500in./139.7mm x 6.000in./152.4mm			
Rod Bearing(6)	TM-112	CB-1616P	STD,10,20	3.4985/3.5000	0.0022/0.0047	0.0947	3.6910/3.6915	1.9110
Main Bearing Set	TM-112	MS-1687P	STD,10,20,30,40					
1-3-5		MB-2860P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.0500
2-4-6		MB-2861P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	1.5500
7		MB-2862P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.2500
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position,Contains Lockplates								
Thrust Washer Set		TW-369S	STD					
		MB-2862W		4.5300/4.5600			5.4220/5.4680	0.2470
NOTE: Contains 4 Pieces, Position Number 7								
Cam Bearing Set	C-1	SH-1529S	STD					
1-2-4-6		SH-1529		2.4960/2.4970	0.0013/0.0055	0.0941	2.6865/2.6880	1.7050
3-5		SH-1378		2.4960/2.4970	0.0013/0.0048	0.0941	2.6865/2.6875	2.2050
7		SH-1377		2.4960/2.4970	0.0013/0.0048	0.0941	2.6865/2.6875	1.7050
NOTE: 2.500" Camshaft Bearing Journal Diameter,Big Cam, 2.205" Long Bearings For Positions 3 And 5								
Rod Forging	3078328							
C/S Forging	3064291							
Connecting Rod	Step A 75 Lbs.Ft.; Step B 195 Lbs.Ft.							
Main Bearing	Step A 90 Lbs.Ft; Step B 170 Lbs.Ft.; Step C 255 Lbs.Ft.; Step D Loosen All Main Bearings; Step E Repeat Steps A, B And C (855 CID (14.0L) N14 Plus,855 CID (14.0L) N14-330E)							
20	927 CID (15.2L) N927,Super 250,Super 270,Super 300,Super 330 Diesel 6 Cyl				5.500in./139.7mm x 6.500in./165.1mm			20
Rod Bearing(6)	TM-112	CB-986P	STD,10,20	3.1240/3.1250	0.0020/0.0043	0.0947	3.3160/3.3165	1.7410
Main Bearing Set	TM-112	MS-1687P	STD,10,20,30,40					
1-3-5		MB-2860P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.0500
2-4-6		MB-2861P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	1.5500
7		MB-2862P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.2500
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position,Contains Lockplates								
Thrust Washer Set		TW-369S	STD					
		MB-2862W		4.5300/4.5600			5.4220/5.4680	0.2470
NOTE: Contains 4 Pieces, Position Number 7, Use With Part Number MS-1687P								
Cam Bearing Set	C-1	SH-568S	STD					
1		SH-318		1.9970/1.9980	0.0010/0.0050	0.0648	2.1285/2.1295	2.2570
2-3-4-5-6-7		SH-568		1.9970/1.9980	0.0010/0.0050	0.0648	2.1285/2.1295	1.6950
NOTE: Late Style With 4 Oil Holes, Bearings For Positions 2,3,4,5,6, And 7 Have 4 Oil Holes .15625" Diameter								
Connecting Rod	Step A 10 To 15 Lbs.Ft.; Step B 30 To 35 Lbs.Ft.; Step C Loosen All Nuts; Step D Repeat Steps A And B; Step E 55 To 65 Lbs.Ft. (4 Bolt Rod; Lubricate Bolts And Nuts)							
Main Bearing	Step A 140 To 150 Lbs.Ft.; Step B 300 To 310 Lbs.Ft.; Step C Loosen Cap Screws; Step D 140 To 150; Step E 300 To 310 Lbs.Ft. (Lubricated Bolts)							
21	1150 CID (18.8L) KT1150C450,KT1150C,KT1150,KT450,KT6,KTA600 Turbocharged Diesel 6 Cyl				6.250in./158.8mm x 6.250in./158.8mm			21
Rod Bearing(6)	TM-112	CB-1357P	STD,10,20,30,40	3.9985/4.0000	0.0023/0.0052	0.1250	4.2518/4.2522	2.2100
Main Bearing Set	TM-112	MS-1625P	STD,10,20					
1-7		MB-2976P		5.4985/5.5000	0.0029/0.0068	0.0712	5.8450/5.8460	1.5640
2-3-4-5-6		MB-2977P		5.4985/5.5000	0.0029/0.0068	0.0712	5.8450/5.8460	1.8140
6		MB-2977W		5.9800/6.0000			6.8500/6.8700	0.1540
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 6 Position								
Cam Bearing Set	C-1	SH-1250S	STD					
1-2-3-4-5-6-7		SH-1250		2.9950/2.9970	0.0030/0.0080	0.1268	3.2535/3.2545	1.5200
NOTE: From Engine Serial Number 31103629								

CUMMINS (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL								
22	470 CID (7.7L) V470,V8-185 Diesel V8 Cyl			4.625in./117.5mm x 3.500in./88.9mm				22
	504 CID (8.3L) V504,V8-210 Diesel V8 Cyl			4.625in./117.5mm x 3.750in./95.3mm				
Rod Bearing(8) NOTE: Phase 5 Engine	TM-112	CB-1631P	STD,10,20,30	2.4990/2.5000	0.0020/0.0050	0.0948	2.6910/2.6920	1.1750
Main Bearing Set 1-5 2-3-4 5 NOTE: Phase 5 Engine, Contains 4 Piece Thrust Washer Set, Use In Number 5 Position,Contains Dowel Pins	TM-112	MS-1061P MB-2598P MB-2599P MB-2598W	STD,10,20,30	3.4990/3.5000 3.4990/3.5000 3.8050/3.8150	0.0018/0.0048 0.0018/0.0048	0.1253 0.1253	3.7520/3.7530 3.7520/3.7530 4.4850/4.4950	1.0520 1.1410 0.1510
Thrust Washer Set NOTE: Phase 5 Engine, Contains 4 Pieces, Position Number 5, Use With Part Number MS-1061P		TW-448S MB-2598W	STD	3.8050/3.8150			4.4850/4.4950	0.1510
Cam Bearing Set 1-5 2-3-4 NOTE: Phase 5 Engine	B-1	SH-1394S SH-1394 SH-1395	STD	1.9975/1.9985 1.9975/1.9985	0.0010/0.0045 0.0010/0.0045	0.0963 0.0963	2.1865/2.1875 2.1865/2.1875	1.9000 0.9000
Piston Pin Bushing(8) NOTE: Requires Boring	C-1	223-3564	STD			0.1400	1.6250/1.6255	1.5280
Connecting Rod Main Bearing	20 To 25 Lbs.Ft. Plus 60 Degrees 175 To 185 Lbs.Ft.							
23	504 CID (8.3L) V504C Big Cam I Diesel V8 Cyl			4.625in./117.5mm x 3.750in./95.3mm				23
Rod Bearing(8) NOTE: Phase 5 Engine	TM-112	CB-1631P	STD,10,20,30	2.4990/2.5000	0.0020/0.0050	0.0948	2.6910/2.6920	1.1750
Main Bearing Set 1-5 2-3-4 5 NOTE: Phase 5 Engine, Contains 4 Piece Thrust Washer Set, Use In Number 5 Position,Contains Dowel Pins	TM-112	MS-1061P MB-2598P MB-2599P MB-2598W	STD,10,20,30	3.4990/3.5000 3.4990/3.5000 3.8050/3.8150	0.0018/0.0048 0.0018/0.0048	0.1253 0.1253	3.7520/3.7530 3.7520/3.7530 4.4850/4.4950	1.0520 1.1410 0.1510
Thrust Washer Set NOTE: Phase 5 Engine, Contains 4 Pieces, Position Number 5, Use With Part Number MS-1061P		TW-448S MB-2598W	STD	3.8050/3.8150			4.4850/4.4950	0.1510
24	555 CID (9.1L) V555C,V555 Diesel V8 Cyl			4.625in./117.5mm x 4.125in./104.8mm				24
	555 CID (9.1L) VT225 Small Cam,VT555 Small Cam,VT555C Turbocharged Diesel V8 Cyl			4.625in./117.5mm x 4.125in./104.8mm				
Rod Bearing(8)	TM-112	CB-994P	STD,10,20,30	2.7490/2.7500	0.0020/0.0050	0.0948	2.9410/2.9420	1.1750
Main Bearing Set 1-5 2-3-4 5 NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position,Contains Dowel Pins	TM-112	MS-1061P MB-2598P MB-2599P MB-2598W	STD,10,20,30	3.4990/3.5000 3.4990/3.5000 3.8050/3.8150	0.0018/0.0048 0.0018/0.0048	0.1253 0.1253	3.7520/3.7530 3.7520/3.7530 4.4850/4.4950	1.0520 1.1410 0.1510
Thrust Washer Set NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1061P		TW-448S MB-2598W	STD	3.8050/3.8150			4.4850/4.4950	0.1510
Cam Bearing Set 1-5 2-3-4 NOTE: Small Cam	B-1	SH-1394S SH-1394 SH-1395	STD	1.9975/1.9985 1.9975/1.9985	0.0010/0.0045 0.0010/0.0045	0.0963 0.0963	2.1865/2.1875 2.1865/2.1875	1.9000 0.9000
Piston Pin Bushing(8) NOTE: Requires Boring	C-1	223-3565	STD			0.1450	1.7500/1.7505	1.5700
Connecting Rod Main Bearing	Step A 45 Lbs.Ft.; Step B 90 Lbs.Ft.; Step C Loosen All Connecting Rods; Step D 45 Lbs.Ft.; Step E Turn 60 Degrees (555 CID (9.1L) VT225 Small Cam) Step A 65 Lbs.Ft.; Step B 125 Lbs.Ft.; Step C 175 Lbs.Ft.; Step D Loosen All Main Bearings; Step E Repeat Steps A, B And C (555 CID (9.1L) VT225 Small Cam)							

CUMMINS (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
25	555 CID (9.1L) VT225 Big Cam I,VT240 Big Cam I,VT555C Big Cam I,VT555M Big Cam I Turbocharged Diesel V8 Cyl				4.625in./117.5mm x 4.125in./104.8mm			25
Rod Bearing(8)	TM-112	CB-994P	STD,10,20,30	2.7490/2.7500	0.0020/0.0050	0.0948	2.9410/2.9420	1.1750
Main Bearing Set	TM-112	MS-1061P	STD,10,20,30					
1-5		MB-2598P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.0520
2-3-4		MB-2599P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.1410
5		MB-2598W		3.8050/3.8150			4.4850/4.4950	0.1510
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position,Contains Dowel Pins								
Thrust Washer Set		TW-448S	STD					
		MB-2598W		3.8050/3.8150			4.4850/4.4950	0.1510
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1061P								
Piston Pin Bushing(8)	C-1	223-3565	STD			0.1450	1.7500/1.7505	1.5700
NOTE: Requires Boring								
26	555 CID (9.1L) VT240,VT555 Turbocharged Diesel V8 Cyl				4.625in./117.5mm x 4.125in./104.8mm			26
Rod Bearing(8)	TM-112	CB-994P	STD,10,20,30	2.7490/2.7500	0.0020/0.0050	0.0948	2.9410/2.9420	1.1750
Main Bearing Set	TM-112	MS-1061P	STD,10,20,30					
1-5		MB-2598P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.0520
2-3-4		MB-2599P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.1410
5		MB-2598W		3.8050/3.8150			4.4850/4.4950	0.1510
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position,Contains Dowel Pins								
Thrust Washer Set		TW-448S	STD					
		MB-2598W		3.8050/3.8150			4.4850/4.4950	0.1510
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1061P								
Cam Bearing Set	B-1	SH-1394S	STD					
1-5		SH-1394		1.9975/1.9985	0.0010/0.0045	0.0963	2.1865/2.1875	1.9000
2-3-4		SH-1395		1.9975/1.9985	0.0010/0.0045	0.0963	2.1865/2.1875	0.9000
NOTE: Small Cam								
Connecting Rod	Step A 45 Lbs.Ft.; Step B 90 Lbs.Ft.; Step C Loosen All Connecting Rods; Step D 45 Lbs.Ft.; Step E Turn 60 Degrees							
Main Bearing	Step A 65 Lbs.Ft.; Step B 125 Lbs.Ft.; Step C 175 Lbs.Ft.; Step D Loosen All Main Bearings; Step E Repeat Steps A, B And C							
27	785 CID (12.9L) V785,V8-265,V8-300,V8E-235,V8R-240 Diesel V8 Cyl				5.500in./139.7mm x 4.125in./104.8mm			27
785 CID (12.9L) VT785,VT8-370,VT8-380 Turbocharged Diesel V8 Cyl				5.500in./139.7mm x 4.125in./104.8mm				
Rod Bearing(8)	TM-112	CB-754P	STD	3.1240/3.1250	0.0020/0.0045	0.0948	3.3160/3.3165	1.3120
NOTE: Engines With 3.125" Crank Pins								
Piston Pin Bushing(8)	C-1	223-3545	STD			0.1400	2.2500/2.2500	2.2100
NOTE: Requires Boring,Tapered Bushing								
Rod Forging	147036, 156101, 160043, 175635, 175637, 177378							
C/S Forging	142690, 145830, 158370, 161960, 179440, 182240							
Connecting Rod	Step A 55 To 60 Lbs.Ft.; Step B 105 To 115 Lbs.Ft.; Step C Loosen All Nuts; Step D 30 To 32 Lbs.Ft.; Step E 60 To 65 Lbs.Ft.; Step F Rotate 30 Degrees; Step G Rotate 30 Degrees; Step H Bend Tangs Of Lockplates To Lock Nut (Lubricated Bolts)							
Main Bearing	Step A 150 To 160 Lbs.Ft.; Step B 340 To 350 Lbs.Ft.; Step C Loosen Bolts; Step D 85 To 90 Lbs.Ft.; Step E 170 To 180 Lbs.Ft.; Step F Rotate 30 Degrees; Step G Rotate 30 Degrees; Step H Tighten Side Bolts 35 To 40 Lbs.Ft.; Step I Tighten Side Bolts 70 To 75 Lbs.Ft. (Lubricated Bolts)							
28	903 CID (14.8L) Formula 903,V903C,V903 Diesel V8 Cyl				5.500in./139.7mm x 4.750in./120.7mm			28
903 CID (14.8L) VT903C320,VT903C350,VT903C375,VT903 Turbocharged Diesel V8 Cyl				5.500in./139.7mm x 4.750in./120.7mm				
Rod Bearing(8)	TM-112	CB-1073P	STD,10,20	3.1240/3.1250	0.0020/0.0045	0.0948	3.3160/3.3165	1.3660
Main Bearing Set	TM-112	MS-1265P	STD,10,20,30					
1-2-3-4-5		MB-2621P		3.7490/3.7500	0.0019/0.0053	0.1552	4.0620/4.0630	1.3130
5		MB-2621W		4.1200/4.1400			5.2300/5.2400	0.1510
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position,Contains Dowel Pins								
Thrust Washer Set		TW-449S	STD					
		MB-2621W		4.1200/4.1400			5.2300/5.2400	0.1510
NOTE: Contains 4 Pieces, Position Number 5								
Cam Bearing Set	C-1	SH-1382S	STD					
1-5		SH-1382		2.4960/2.4970	0.0020/0.0060	0.0937	2.6865/2.6875	1.8100
2-3-4		SH-1383		2.4960/2.4970	0.0020/0.0060	0.0937	2.6865/2.6875	1.0700

CUMMINS (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
28 (Cont.)	903 CID (14.8L) Formula 903,V903C,V903 Diesel V8 Cyl				5.500in./139.7mm x 4.750in./120.7mm			28 (Cont.)
	903 CID (14.8L) VT903C320,VT903C350,VT903C375,VT903 Turbocharged Diesel V8 Cyl				5.500in./139.7mm x 4.750in./120.7mm			
Piston Pin Bushing(8)	C-1	223-3563	STD			0.1420	2.0015/2.0021	1.7600
NOTE: Requires Boring								
12 CYL								
29	1485 CID (24.4L) NVH12,NVH Diesel V12 Cyl				5.125in./130.2mm x 6.000in./152.4mm			29
	1485 CID (24.4L) NVHS Supercharged Diesel V12 Cyl				5.125in./130.2mm x 6.000in./152.4mm			
	1485 CID (24.4L) VT12 Turbocharged Diesel V12 Cyl				5.125in./130.2mm x 6.000in./152.4mm			
Rod Bearing(12)	TM-112	CB-621P	STD	3.7490/3.7500	0.0025/0.0050	0.1250	4.0020/4.0025	1.6350
NOTE: Late Style Bearings With Oil Hole In Upper And Lower Bearing Halves								
Cam Bearing Set All (28)	C-1	SH-1379S SH-1379	STD	2.1220/2.1230	0.0010/0.0060	0.0645	2.2535/2.2545	0.7600
Piston Pin Bushing(24)	C-1	223-3496	STD			0.1400	2.2500/2.2505	1.1040
NOTE: Late Design, Requires 2 Per Rod,Requires Boring								
Connecting Rod Main Bearing	Step A 47 Lbs.Ft.; Step B 94 Lbs.Ft.; Step C 140 Lbs.Ft.; Step D Loosen All Nuts; Step E Repeat Steps A, B, And C (Lubricated Nuts) Step A 200 To 210 Lbs.Ft.; Step B 410 To 420 Lbs.Ft.; Step C Loosen Nuts Or Capscrews Completely; Step D 60 To 62 Lbs.Ft.; Step E 120 To 125 Lbs.Ft.; Step F Turn 30 Degrees; Step G Turn 30 Degrees (Lubricated Bolts)							
30	1710 CID (28.0L) V12-500,V12-800 Diesel V12 Cyl				5.500in./139.7mm x 6.000in./152.4mm			30
	1710 CID (28.0L) VT700,VT900 Turbocharged Diesel V12 Cyl				5.500in./139.7mm x 6.000in./152.4mm			
Rod Bearing(12)	TM-112	CB-621P	STD	3.7490/3.7500	0.0025/0.0050	0.1250	4.0020/4.0025	1.6350
NOTE: Phase 1 And Phase 2 Engines								
Main Bearing Set 1	TM-112	MS-1052P MB-2593P	STD,10,20	5.7485/5.7500	0.0029/0.0068	0.1712	6.0950/6.0960	2.0240
2-3-5-6		MB-2594P		5.7485/5.7500	0.0029/0.0068	0.1712	6.0950/6.0960	1.6400
4		MB-2595P		5.7485/5.7500	0.0029/0.0068	0.1712	6.0950/6.0960	2.1400
7		MB-2596P		5.7485/5.7500	0.0029/0.0068	0.1712	6.0950/6.0960	2.0240
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position,Contains Dowel Pins								
Cam Bearing Set All (28)	C-1	SH-1379S SH-1379	STD	2.1220/2.1230	0.0010/0.0060	0.0645	2.2535/2.2545	0.7600
Rod Forging	180097, 190128							
C/S Forging	143140, 146460							
Connecting Rod Main Bearing	Step A 60 Lbs.Ft.; Step B 100 Lbs.Ft.; Step C 140 Lbs.Ft.; Step D Loosen All; Step E 60 Lbs.Ft.; Step F 100 Lbs.Ft.							
Main Bearing	135 To 145 Lbs.Ft. (Side Bolts)							
Main Bearing	420 To 460 Lbs.Ft. (Except Side Bolts)							
31	1710 CID (28.0L) V1710C500,V1710 Diesel V12 Cyl				5.500in./139.7mm x 6.000in./152.4mm			31
	1710 CID (28.0L) VT1710C525,VT1710C635,VT1710,VTA1710 Turbocharged Diesel V12 Cyl				5.500in./139.7mm x 6.000in./152.4mm			
Rod Bearing(12)	TM-112	CB-621P	STD	3.7490/3.7500	0.0025/0.0050	0.1250	4.0020/4.0025	1.6350
NOTE: Phase 1 And Phase 2 Engines								
Rod Bearing(12)	TM-112	CB-965P	STD,10,20	3.7485/3.7490	0.0035/0.0055	0.1250	4.0020/4.0025	1.8150
NOTE: Phase 3 Engines								
Main Bearing Set 1	TM-112	MS-1052P MB-2593P	STD,10,20	5.7485/5.7500	0.0029/0.0068	0.1712	6.0950/6.0960	2.0240
2-3-5-6		MB-2594P		5.7485/5.7500	0.0029/0.0068	0.1712	6.0950/6.0960	1.6400
4		MB-2595P		5.7485/5.7500	0.0029/0.0068	0.1712	6.0950/6.0960	2.1400
7		MB-2596P		5.7485/5.7500	0.0029/0.0068	0.1712	6.0950/6.0960	2.0240
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position,Contains Dowel Pins								
Cam Bearing Set All (28)	C-1	SH-1379S SH-1379	STD	2.1220/2.1230	0.0010/0.0060	0.0645	2.2535/2.2545	0.7600
Rod Forging	180097, 190128							
C/S Forging	143140, 146460							
Connecting Rod Main Bearing	Step A 60 Lbs.Ft.; Step B 100 Lbs.Ft.; Step C 140 Lbs.Ft.; Step D Loosen All; Step E 60 Lbs.Ft.; Step F 100 Lbs.Ft.							
Main Bearing	135 To 145 Lbs.Ft. (Side Bolts)							
Main Bearing	420 To 460 Lbs.Ft. (Except Side Bolts)							

CUMMINS (Cont.)

CUMMINS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
12 CYL (Cont.)								
32	2301 CID (37.7L) K38 Diesel V12 Cyl			6.250in./158.8mm x 6.250in./158.8mm				32
	2301 CID (37.7L) KT38,KTA38,KTTA38 Turbocharged Diesel V12 Cyl			6.250in./158.8mm x 6.250in./158.8mm				
Rod Bearing(12)	TM-112	CB-1619P	STD,10,20	4.2485/4.2500	0.0035/0.0065	0.1243	4.5020/4.5025	2.0750
Main Bearing Set	TM-112	MS-2018P	STD,10,20					
1-7		MB-3453P		6.4985/6.5000	0.0036/0.0075	0.1707	6.8450/6.8460	2.0750
2-3-4-5-6		MB-3452P		6.4985/6.5000	0.0036/0.0075	0.1707	6.8450/6.8460	2.2000
7		MB-3453W						0.1950
NOTE: Contains 2 Piece Thrust Washer Set, Use In Number 7 Position								
Thrust Washer(2)		MB-3453W	STD					0.1950
NOTE: Only Sold Separately, Position Number 7, Use With Part Number MS-2018P								
Connecting Rod	Step A 70 To 80 Lbs.Ft.; Step B 140 To 150 Lbs.Ft.; Step C 210 To 220 Lbs.Ft.; Step D Loosen All Bolts; Step E Repeat Steps A, B, And C (Lubricated Bolts)							
Main Bearing	Step A 190 To 200 Lbs.Ft.; Step B 440 To 450 Lbs.Ft.; Step C Loosen all Capscrews; Step D Repeat Steps A And B; Step E Right Bank Side Bolts 150 To 160 Lbs.Ft.; Step F Left Bank Side Bolt 150 To 160 Lbs.Ft.; Step G Right Bank Side Bolts 325 To 335 Lbs.Ft.; Step H Left Bank Side Bolts 325 To 335 Lbs.Ft. (Lubricated Bolts)							
16 CYL								
33	3068 CID (50.3L) K50 Diesel V16 Cyl			6.250in./158.8mm x 6.250in./158.8mm				33
	3068 CID (50.3L) KT50,KTA50,KTTA50 Turbocharged Diesel V16 Cyl			6.250in./158.8mm x 6.250in./158.8mm				
Rod Bearing(16)	TM-112	CB-1619P	STD,10,20	4.2485/4.2500	0.0035/0.0065	0.1243	4.5020/4.5025	2.0750
Main Bearing Set	TM-112	MS-2019P	STD,10,20					
1-9		MB-3453P		6.4985/6.5000	0.0036/0.0075	0.1707	6.8450/6.8460	2.0750
2-3-4-5-6-7-8		MB-3452P		6.4985/6.5000	0.0036/0.0075	0.1707	6.8450/6.8460	2.2000
9		MB-3453W						0.1950
NOTE: Contains 2 Piece Thrust Washer Set, Use In Number 9 Position								
Thrust Washer(2)		MB-3453W	STD					0.1950
NOTE: Only Sold Separately, Position Number 9, Use With Part Number MS-2019P								
DAIHATSU								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
2 CYL				4 CYL				
547CC (0.5L) AB	1976-1986	2.819in./71.6mmX2.677in./68mm	1	1295CC (1.3L) HC	1989-1992	2.992in./76mmX2.795in./71mm	5	
617CC (0.6L) AD	1982-1985	2.992in./76mmX2.677in./68mm	2	1296CC (1.3L) HCE	1989-1993	2.992in./76mmX2.795in./71mm	5	
3 CYL				1589CC (1.6L) HD	1990-1992	2.992in./76mmX3.465in./88mm	5	
843CC (0.8L) CD	1982-1990	2.756in./70mmX2.874in./73mm	3	1589CC (1.6L) HDE	1989-1995	2.992in./76mmX3.465in./88mm	5	
993CC (1.0L) CB	1988-1992	2.992in./76mmX2.874in./73mm	4	2765CC (2.8L) DL	1989-1993	3.622in./92mmX4.095in./104mm	6	
993CC (1.0L) CL	1977-1990	2.992in./76mmX2.874in./73mm	3					
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
	547CC (0.5L) AB	1976-1986	1	Charade	993CC (1.0L) CB	1988-1992	4	
	617CC (0.6L) AD	1982-1985	2	Charade	1295CC (1.3L) HC	1989-1992	5	
	843CC (0.8L) CD	1982-1990	3	Charade	1296CC (1.3L) HCE	1989-1993	5	
	993CC (1.0L) CL	1977-1990	3	Rocky	1589CC (1.6L) HD	1990-1992	5	
	2765CC (2.8L) DL	1989-1993	6	Rocky	1589CC (1.6L) HDE	1989-1995	5	
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
2 CYL								
1	547CC (0.5L) AB 2 Cyl (1976-1986)			2.819in./71.6mm x 2.677in./68mm				1
Rod Bearing(2)	AL-3	CB-1405AL	STD,.25mm,.50mm,.75mm	1.5740/1.5748	0.0008/0.0021	0.0587	1.6931/1.6939	0.7090
Main Bearing Set	AL-3	MS-1784AL	STD					
1-2-3		MB-3145AL		1.6529/1.6535	0.0012/0.0025	0.0783	1.8110/1.8120	0.7680
NOTE: From 8/84, Partial Grooved Main Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-460S								

DAIHATSU (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
2 CYL (Cont.)								
1 (Cont.)	547CC (0.5L) AB 2 Cyl (1976-1986)			2.819in./71.6mm x 2.677in./68mm				1 (Cont.)
Thrust Washer Set		TW-460S MB-3144W	STD	1.8898			2.4409	0.0780
NOTE: Contains 2 Pieces, Position Number 2, Use With Part Number MS-1784AL, MS-1783AL-.25mm								
Connecting Rod		15 To 21 Lbs.Ft.						
Main Bearing		39 To 48 Lbs.Ft.						
2	617CC (0.6L) AD 2 Cyl (1982-1985)			2.992in./76mm x 2.677in./68mm				2
Rod Bearing(2)	AL-3	CB-1405AL	STD,.25mm,.50mm,.75mm	1.5740/1.5748	0.0008/0.0021	0.0587	1.6931/1.6939	0.7090
Thrust Washer Set		TW-460S MB-3144W	STD	1.8898			2.4409	0.0780
NOTE: Contains 2 Pieces, Position Number 2, Use With Part Number MS-1783AL-.25mm								
Connecting Rod		15 To 21 Lbs.Ft.						
Main Bearing		39 To 48 Lbs.Ft.						
3 CYL								
3	843CC (0.8L) CD 3 Cyl (1982-1990) 993CC (1.0L) CL 3 Cyl (1977-1990)			2.756in./70mm x 2.874in./73mm 2.992in./76mm x 2.874in./73mm				3
Rod Bearing(3)	AL-3	CB-1405AL	STD,.25mm,.50mm,.75mm	1.5740/1.5748	0.0008/0.0021	0.0587	1.6931/1.6939	0.7090
Main Bearing Set 1-2-3-4		AL-3 MS-1739AL MB-3144AL	STD	1.6529/1.6535	0.0012/0.0025	0.0783	1.8110/1.8120	0.7680
NOTE: Thru 7/84, Full Grooved Main Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-460S								
Main Bearing Set 1-2-3-4		AL-3 MS-1785AL MB-3146AL	STD,.25mm	1.6529/1.6535	0.0012/0.0025	0.0783	1.8110/1.8120	0.7680
NOTE: From 8/84, Partial Grooved Main Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-460S								
Thrust Washer Set		TW-460S MB-3144W	STD	1.8898			2.4409	0.0780
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1739AL, MS-1785AL								
Balance Shaft Bearing Set 1 2		AL-3 SH-1453S SH-1452 SH-1453	STD	1.7700/1.7707 1.3369/1.3376	0.0012/0.0034 0.0012/0.0034	0.0594 0.0594	1.8900/1.8907 1.4570/1.4577	0.6690 0.7870
Connecting Rod		15 To 21 Lbs.Ft.						
Main Bearing		39 To 48 Lbs.Ft.						
4	993CC (1.0L) CB 3 Cyl (1988-1992)			2.992in./76mm x 2.874in./73mm				4
Rod Bearing(3)	AL-3	CB-1405AL	STD,.25mm,.50mm,.75mm	1.5740/1.5748	0.0008/0.0021	0.0587	1.6931/1.6939	0.7090
Main Bearing Set 1-2-3-4		AL-3 MS-1785AL MB-3146AL	STD,.25mm	1.6529/1.6535	0.0012/0.0025	0.0783	1.8110/1.8120	0.7680
NOTE: Partial Grooved Main Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-460S								
Thrust Washer Set		TW-460S MB-3144W	STD	1.8898			2.4409	0.0780
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1785AL								
Balance Shaft Bearing Set 1 2		AL-3 SH-1453S SH-1452 SH-1453	STD	1.7700/1.7707 1.3369/1.3376	0.0012/0.0034 0.0012/0.0034	0.0594 0.0594	1.8900/1.8907 1.4570/1.4577	0.6690 0.7870
Connecting Rod		15 To 21 Lbs.Ft.						
Main Bearing		39 To 48 Lbs.Ft.						
4 CYL								
5	1295CC (1.3L) HC 4 Cyl (1989-1992) 1296CC (1.3L) HCE 4 Cyl (1989-1993) 1589CC (1.6L) HD 4 Cyl (1990-1992) 1589CC (1.6L) HDE 4 Cyl (1989-1995)			2.992in./76mm x 2.795in./71mm 2.992in./76mm x 2.795in./71mm 2.992in./76mm x 3.465in./88mm 2.992in./76mm x 3.465in./88mm				5
Rod Bearing(4)	AL-3	CB-1658AL	STD,.25mm	1.7709/1.7717	0.0008/0.0034	0.0587	1.8898/1.8905	0.7090

DAIHATSU (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
5 (Cont.)	1295CC (1.3L) HC 4 Cyl (1989-1992)			2.992in./76mm x 2.795in./71mm				5 (Cont.)	
	1296CC (1.3L) HCE 4 Cyl (1989-1993)			2.992in./76mm x 2.795in./71mm					
	1589CC (1.6L) HD 4 Cyl (1990-1992)			2.992in./76mm x 3.465in./88mm					
	1589CC (1.6L) HDE 4 Cyl (1989-1995)			2.992in./76mm x 3.465in./88mm					
Main Bearing Set 1-2-3-4-5		AL-3	MS-2063AL MB-3554AL	STD,.25mm	1.9677/1.9685	0.0003/0.0029	0.0786	2.1260/2.1268	0.7130
NOTE: Requires Thrust Washer Set, Not Included									
Thrust Washer Set			TW-599S MB-3554W	STD	2.2441/2.2539		2.9823/2.9921	0.0980	
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-2063AL									
Connecting Rod		25 To 32 Lbs.Ft.							
Main Bearing		33 To 40 Lbs.Ft.							
6	2765CC (2.8L) DL 4 Cyl (1989-1993)			3.622in./92mm x 4.095in./104mm				6	
Rod Bearing(4)	TM-1	CB-1078P	STD,.25mm,.75mm	2.1642/2.1646	0.0016/0.0033	0.0587	2.2834/2.2843	1.0830	
Cam Bearing Set 1		AL-3	SH-1455S SH-1454	STD	1.8093/1.8100	0.0009/0.0040	1.9695		
2			SH-1455		1.7975/1.7982	0.0009/0.0040	1.9695		
3			SH-1456		1.7857/1.7864	0.0009/0.0040	1.9695		
DAVID BROWN TRACTOR									
ENGINE DATA									
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block		
	3 CYL				4 CYL				
AD3/55 164 CID (2.7L)	3.938in./100mmX4.500in./114.3mm		1	AD4/55 219 CID (3.6L)	3.938in./100mmX4.500in./114.3mm		2		
MODEL DATA									
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block		
770 Base Model	Wheel Tractor	164 CID (2.7L) AD3/55	1	996 Base Model	Wheel Tractor	219 CID (3.6L) AD4/55	2		
780 Base Model	Wheel Tractor	164 CID (2.7L) AD3/55	1	1200 Base Model	Wheel Tractor	219 CID (3.6L) AD4/55	2		
880 Base Model	Wheel Tractor	164 CID (2.7L) AD3/55	1	1210 Base Model	Wheel Tractor	219 CID (3.6L) AD4/55	2		
885 Base Model	Wheel Tractor	164 CID (2.7L) AD3/55	1	1212 Base Model	Wheel Tractor	219 CID (3.6L) AD4/55	2		
990 Base Model	Wheel Tractor	219 CID (3.6L) AD4/55	2	1410 Base Model	Wheel Tractor	219 CID (3.6L) AD4/55	2		
995 Base Model	Wheel Tractor	219 CID (3.6L) AD4/55	2	1412 Base Model	Wheel Tractor	219 CID (3.6L) AD4/55	2		
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
3 CYL									
1	164 CID (2.7L) AD3/55 3 Cyl			3.938in./100mm x 4.500in./114.3mm				1	
Rod Bearing(3)	AL-3	CB-1445AL	STD,10,20	2.3730/2.3735	0.0020	0.0720	2.5195/2.5205	1.1500	
Connecting Rod		50 Lbs.Ft.							
Main Bearing		120 Lbs.Ft.							
4 CYL									
2	219 CID (3.6L) AD4/55 4 Cyl			3.938in./100mm x 4.500in./114.3mm				2	
Rod Bearing(4)	AL-3	CB-1445AL	STD,10,20	2.3730/2.3735	0.0020	0.0720	2.5195/2.5205	1.1500	
Main Bearing Set 1-2-3		AL-3	MS-1792AL MB-3212AL	STD,10,20,30	2.4990/2.4995	0.0025	0.0820	2.6660/2.6670	1.7550
NOTE: Use With Part Number TW-467S									
Thrust Washer Set			TW-467S MB-3212W	STD	2.8360/2.8460		3.3700/3.3800	0.0920	
NOTE: Contains 4 Pieces, Use With Part Number MS-1792AL									
Connecting Rod		140 Lbs.Ft.							
Main Bearing		50 Lbs.Ft.							

DETROIT DIESEL

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
2 CYL			6 CYL (Cont.)		
2-53 106 CID (1.7L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	1	6V-92TTAC 552 CID (9.0L) Diesel Supercharged	4.840in./122.9mmX5.000in./127mm	16
2-53N 106 CID (1.7L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	1	Series 40 Navistar 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	15
2-71 142 CID (2.3L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	2	Series 40 International 530 CID (8.7L) Diesel Turbocharged	4.587in./116.5mmX5.350in./135.9mm	15
3 CYL			Series 40G International 530 CID (8.7L) CNG Turbocharged	4.587in./116.5mmX5.350in./135.9mm	15
3-53 159 CID (2.6L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	3	Series 60 677 CID (11.1L) Diesel Turbocharged	5.118in./130mmX5.472in./139mm	17
3-53N 159 CID (2.6L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	3	Series 60 778 CID (12.7L) Diesel Turbocharged	5.118in./130mmX6.299in./160mm	17
3-71 213 CID (3.5L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	4	Series 60G 677 CID (11.1L) CNG	5.118in./130mmX5.472in./139mm	17
4 CYL			8 CYL		
4-53 212 CID (3.5L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	6	6V-92TA 552 CID (9.0L) Diesel Turbocharged/Aftercooled	4.840in./122.9mmX5.000in./127mm	21
4-53N 212 CID (3.5L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	6	8V-53 424 CID (6.9L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	18
4-53T 212 CID (3.5L) Diesel Turbocharged	3.875in./98.4mmX4.500in./114.3mm	7	8V-53N 424 CID (6.9L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	18
4-71 284 CID (4.7L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	8	8V-53T 424 CID (6.9L) Diesel Turbocharged	3.875in./98.4mmX4.500in./114.3mm	19
4-71E 284 CID (4.7L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	8	8V-71 568 CID (9.3L) Diesel	4.250in./108mmX5.000in./127mm	22
4-71N 284 CID (4.7L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	8	8V-71 568 CID (9.3L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	23
50 Series CID	5.118in./130mmX5.472in./139mm	5	8V-71E 568 CID (9.3L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	23
6 CYL			8V-71N 568 CID (9.3L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	23
6-71 426 CID (7.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	11	8V-71NE 568 CID (9.3L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	22
6-71E 426 CID (7.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	11	8V-71T 568 CID (9.3L) Diesel Turbocharged	4.250in./108mmX5.000in./127mm	24
6-71N 426 CID (7.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	11	8V-71TA 568 CID (9.3L) Diesel Turbocharged/Aftercooled	4.250in./108mmX5.000in./127mm	25
6-71T 426 CID (7.0L) Diesel Turbocharged	4.250in./108mmX5.000in./127mm	11	8V-71TT 568 CID (9.3L) Diesel Turbocharged	4.250in./108mmX5.000in./127mm	25
6-71TT 426 CID (7.0L) Diesel Turbocharged	4.250in./108mmX5.000in./127mm	12	8V-92 736 CID (12.1L) Diesel Supercharged	4.840in./122.9mmX5.000in./127mm	26
6V-53 318 CID (5.2L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	9	8V-92T 736 CID (12.1L) Diesel Turbocharged	4.840in./122.9mmX5.000in./127mm	26
6V-53N 318 CID (5.2L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	9	8V-92TA 736 CID (12.1L) Diesel Turbocharged	4.840in./122.9mmX5.000in./127mm	26
6V-53T 318 CID (5.2L) Diesel Turbocharged	3.875in./98.4mmX4.500in./114.3mm	10	8V-92TAC 736 CID (12.1L) Diesel Turbocharged	4.840in./122.9mmX5.000in./127mm	26
6V-71 426 CID (7.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	13	8V-92TT 736 CID (12.1L) Diesel Turbocharged	4.840in./122.9mmX5.000in./127mm	26
6V-71E 426 CID (7.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	13	8V-92TTA 736 CID (12.1L) Diesel Turbocharged	4.840in./122.9mmX5.000in./127mm	26
6V-71N 426 CID (7.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	13	8V-92TTAC 736 CID (12.1L) Diesel Turbocharged	4.840in./122.9mmX5.000in./127mm	26
6V-71NE 426 CID (7.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	13	500 CID (8.2L) Diesel	4.250in./108mmX4.406in./112mm	20
6V-71T 426 CID (7.0L) Diesel Turbocharged	4.250in./108mmX5.000in./127mm	14	500 CID (8.2L) Diesel Turbocharged	4.250in./108mmX4.406in./112mm	20
6V-92 552 CID (9.0L) Diesel Supercharged	4.840in./122.9mmX5.000in./127mm	16	12 CYL		
6V-92T 552 CID (9.0L) Diesel Turbocharged	4.840in./122.9mmX5.000in./127mm	16	12V-71 852 CID (14.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	27
6V-92TAC 552 CID (9.0L) Diesel Supercharged	4.840in./122.9mmX5.000in./127mm	16	12V-71N 852 CID (14.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	27
6V-92TT 552 CID (9.0L) Diesel Turbocharged	4.840in./122.9mmX5.000in./127mm	16	12V-71NE 852 CID (14.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	28
6V-92TTA 552 CID (9.0L) Diesel Turbocharged	4.840in./122.9mmX5.000in./127mm	16	12V-71T 852 CID (14.0L) Diesel Turbocharged	4.250in./108mmX5.000in./127mm	29
			12V-92 1104 CID (18.1L) Diesel Supercharged	4.840in./122.9mmX5.000in./127mm	30

DETROIT DIESEL (Cont.)													
ENGINE DATA (Cont.)													
Engine			Bore & Stroke			Block	Engine			Bore & Stroke			Block
12 CYL (Cont.)							16 CYL (Cont.)						
12V-92T 1104 CID (18.1L) Diesel Turbocharged			4.840in./122.9mmX5.000in./127mm			30	16V-71T 1136 CID (18.6L) Diesel Supercharged			4.250in./108mmX5.000in./127mm			33
12V-92TT 1104 CID (18.1L) Diesel Turbocharged			4.840in./122.9mmX5.000in./127mm			30	16V-92 1472 CID (24.1L) Diesel Supercharged			4.840in./122.9mmX5.000in./127mm			34
12V-92TTA 1104 CID (18.1L) Diesel Turbocharged			4.840in./122.9mmX5.000in./127mm			30	16V-92T 1472 CID (24.1L) Diesel Turbocharged			4.840in./122.9mmX5.000in./127mm			34
12V-149 1788 CID (29.3L) Diesel Turbocharged			5.750in./146.1mmX5.750in./146.1mm			31	16V-92TT 1472 CID (24.1L) Diesel Turbocharged			4.840in./122.9mmX5.000in./127mm			34
16 CYL							16V-92TTA 1472 CID (24.1L) Diesel Turbocharged			4.840in./122.9mmX5.000in./127mm			34
16V-71 1136 CID (18.6L) Diesel Supercharged			4.250in./108mmX5.000in./127mm			32	16V-149 2384 CID (39.1L) Diesel Supercharged			5.750in./146.1mmX5.750in./146.1mm			35
16V-71N 1136 CID (18.6L) Diesel Supercharged			4.250in./108mmX5.000in./127mm			32							
CONNECTING ROD FORGING NUMBERS													
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block		
5117002	5.000in./127mm	13	5133009	4.500in./114.3mm	9	5144384	5.000in./127mm	22	5150093	5.000in./127mm	8		
5121248	4.500in./114.3mm	1	5133009	4.500in./114.3mm	10	5144384	5.000in./127mm	23	5150093	5.000in./127mm	11		
5121248	4.500in./114.3mm	3	5133009	4.500in./114.3mm	18	5144469	5.000in./127mm	2	5154265	5.000in./127mm	2		
5121248	4.500in./114.3mm	6	5133009	4.500in./114.3mm	19	5144469	5.000in./127mm	4	5154265	5.000in./127mm	4		
5121248	4.500in./114.3mm	7	5135051	5.000in./127mm	13	5144469	5.000in./127mm	8	5154265	5.000in./127mm	8		
5125239	5.000in./127mm	13	5135051	5.000in./127mm	22	5144469	5.000in./127mm	11	5154265	5.000in./127mm	11		
5128158	4.500in./114.3mm	9	5135051	5.000in./127mm	23	5150093	5.000in./127mm	2					
5128158	4.500in./114.3mm	10	5144384	5.000in./127mm	13	5150093	5.000in./127mm	4					
CRANKSHAFT FORGING NUMBERS													
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block		
2-71	5.000in./127mm	2	5116022	4.500in./114.3mm	7	5144867	5.000in./127mm	22	5179067	5.000in./127mm	11		
3-71	5.000in./127mm	4	5116029	4.500in./114.3mm	1	5144867	5.000in./127mm	23	5181377	4.500in./114.3mm	6		
4-71	5.000in./127mm	8	5116029	4.500in./114.3mm	3	5145942	5.750in./146.1mm	35	5181377	4.500in./114.3mm	7		
6-71	5.000in./127mm	11	5116029	4.500in./114.3mm	6	5146572	5.000in./127mm	13	5182940	5.000in./127mm	11		
511706	5.000in./127mm	22	5116029	4.500in./114.3mm	7	5146573	5.000in./127mm	27	5182942	5.000in./127mm	8		
511706	5.000in./127mm	23	5116030	4.500in./114.3mm	9	5154184	5.000in./127mm	2	5184214	5.000in./127mm	4		
5103281	5.000in./127mm	22	5116030	4.500in./114.3mm	10	5154256	5.000in./127mm	11	5773990	5.000in./127mm	4		
5103281	5.000in./127mm	23	5117212	5.000in./127mm	27	5154701	5.000in./127mm	8	6116028	4.500in./114.3mm	3		
5103318	4.500in./114.3mm	6	5117906	5.000in./127mm	13	5154926	5.000in./127mm	4	A-399	4.500in./114.3mm	9		
5103318	4.500in./114.3mm	7	5119906	5.000in./127mm	13	5154929	5.000in./127mm	4	A-399	4.500in./114.3mm	10		
5116022	4.500in./114.3mm	1	5132942	5.000in./127mm	2	5155255	5.000in./127mm	11	U-3967	5.000in./127mm	8		
5116022	4.500in./114.3mm	3	5136449	4.500in./114.3mm	18	5160034	5.000in./127mm	11					
5116022	4.500in./114.3mm	6	5136449	4.500in./114.3mm	19	5173988	5.000in./127mm	11					
COUNTER DATA						SHOP DATA							
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length			
						2 CYL							
1	106 CID (1.7L) 2-53,2-53N Supercharged Diesel 2 Cyl					3.875in./98.4mm x 4.500in./114.3mm					1		
Rod Bearing(2)	TM-112	CB-1265P	STD,10,20,30,40			2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200			
Main Bearing(3)	TM-112	MB-1897P	STD,10,20,30			2.9990/3.0000	0.0013/0.0043	0.1250	3.2510/3.2520	1.1850			
NOTE: Only Sold Separately													
Thrust Washer Set		TW-412S	STD										
		MB-2522W				3.3380/3.3480		4.2700/4.2800		0.1220			
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MB-1897P													
Balance Shaft Bearing Set		C-1	SH-698S	STD									
1-3			SH-686				2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100		
2			SH-687				2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100		
Piston Pin Bushing(2)		C-1	223-3622	STD									
NOTE: Requires Boring													
Rod Forging	5121248												
C/S Forging	5116022, 5116029												
Connecting Rod	40 To 45 Lbs.Ft.												
Main Bearing	120 To 130 Lbs.Ft.												

DETROIT DIESEL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
2 CYL (Cont.)								
2	142 CID (2.3L) 2-71 Supercharged Diesel 2 Cyl			4.250in./108mm x 5.000in./127mm				2
Rod Bearing(2)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800
Main Bearing(3)	TM-112	MB-1276P	STD,10,20,30,40	3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930
NOTE: Only Sold Separately								
Thrust Washer Set		TW-411S MB-2524W	STD	3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MB-1276P (3)								
Cam Bearing Set 1-2-3-4-5	C-1	SH-527S SH-527	STD	2.0605/2.0610	0.0040/0.0075	0.0925	2.2500/2.2510	1.5500
NOTE: From Engine Serial Number 2A-37623, Contains 5 Bearings, 3 used on the Camshaft and 2 used on the Balance Shaft								
Piston Pin Bushing(4)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod, Requires Boring								
Piston Pin Bushing(2)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston, 1 Per Rod								
Rod Forging	5144469, 5150093, 5154265							
C/S Forging	2-71, 5132942, 5154184							
Connecting Rod	60 To 70 Lbs.Ft. (Lubrite Nuts)							
Connecting Rod	65 To 75 Lbs.Ft. (Castellated Nuts)							
Main Bearing	190 To 200 Lbs.Ft.							
3 CYL								
3	159 CID (2.6L) 3-53,3-53N Supercharged Diesel 3 Cyl			3.875in./98.4mm x 4.500in./114.3mm				3
Rod Bearing(3)	TM-112	CB-1265P	STD,10,20,30,40	2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200
Main Bearing(4)	TM-112	MB-1897P	STD,10,20,30	2.9990/3.0000	0.0013/0.0043	0.1250	3.2510/3.2520	1.1850
Thrust Washer Set		TW-412S MB-2522W	STD	3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MB-1897P								
Cam Bearing Set 1-3	C-1	SH-699S SH-686	STD	2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100
2		SH-687		2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings								
Piston Pin Bushing(3)	C-1	223-3622	STD			0.1225	1.6005/1.6010	0.7550
NOTE: Requires Boring								
Rod Forging	5121248							
C/S Forging	5116022, 5116029, 6116028							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	120 To 130 Lbs.Ft.							
4	213 CID (3.5L) 3-71 Supercharged Diesel 3 Cyl			4.250in./108mm x 5.000in./127mm				4
Rod Bearing(3)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800
Main Bearing(4)	TM-112	MB-1276P	STD,10,20,30,40	3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930
Thrust Washer Set		TW-411S MB-2524W	STD	3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MB-1276P (4)								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: From Engine Serial Number 3A-27384, Contains 8 Bushings, Housing Requires 2 Bushings Each, Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(2)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(2)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: From Engine Serial Number 3A-27384, Contains 4 Pieces								

DETROIT DIESEL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL (Cont.)								
4 (Cont.)	213 CID (3.5L) 3-71 Supercharged Diesel 3 Cyl			4.250in./108mm x 5.000in./127mm				4 (Cont.)
Piston Pin Bushing(6)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod, Requires Boring								
Piston Pin Bushing(3)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston, 1 Per Rod								
Rod Forging	5144469, 5150093, 5154265							
C/S Forging	3-71, 5154926, 5154929, 5184214, 5773990							
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	120 To 140 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
4 CYL								
5	518 CID (8.5L) 50 Series Turbo Diesel 4 Cyl			5.118in./130mm x 5.472in./139mm				5
Rod Bearing(4)	TM-77	CB-1662P	STD,10,20	3.3450/3.3460	0.0016/0.0046	0.1230	3.5940/3.5950	1.7100
Main Bearing Set	TM-77	MS-2092P	STD,10,20					
1-2-3-5		MB-3561P		4.9200/4.9210	0.0016/0.0050	0.1567	5.2360/5.2370	1.5530
4		MB-3562P		4.9200/4.9210	0.0016/0.0050	0.1567	5.2360/5.2370	1.8040
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-600S								
Thrust Washer Set		TW-600S	STD					
		MB-3562W		5.2000/5.2200			6.2100/6.2300	0.0000
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-2092P								
Cam Bearing (5)	TM-77	SH-1986				0.0770		1.4960
6	212 CID (3.5L) 4-53,4-53N Supercharged Diesel 4 Cyl			3.875in./98.4mm x 4.500in./114.3mm				6
Rod Bearing(4)	TM-112	CB-1265P	STD,10,20,30,40	2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200
Main Bearing Set	TM-112	MS-502P	STD,10,20,30					
1-2-3-4-5		MB-1897P		2.9990/3.0000	0.0013/0.0043	0.1250	3.2510/3.2520	1.1850
5		MB-2522W		3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-412S	STD					
		MB-2522W		3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-502P								
Cam Bearing Set	C-1	SH-700S	STD					
1-5		SH-686		2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100
2-4		SH-687		2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100
3		SH-688		2.1820/2.1825	0.0039/0.0065	0.0843	2.3550/2.3560	1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings								
Piston Pin Bushing(4)	C-1	223-3622	STD			0.1225	1.6005/1.6010	0.7550
NOTE: Requires Boring								
Rod Forging	5121248							
C/S Forging	5103318, 5116022, 5116029, 5181377							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	120 To 130 Lbs.Ft.							
7	212 CID (3.5L) 4-53T Turbocharged Diesel 4 Cyl			3.875in./98.4mm x 4.500in./114.3mm				7
Rod Bearing(4)	TM-112	CB-1265P	STD,10,20,30,40	2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200
Main Bearing Set	TM-112	MS-1525P	STD,10,20					
1-2-3-4-5		MB-2857P		2.9990/3.0000	0.0013/0.0043	0.1250	3.2510/3.2520	1.1850
5		MB-2522W		3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-412S	STD					
		MB-2522W		3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1525P								
Cam Bearing Set	C-1	SH-700S	STD					
1-5		SH-686		2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100
2-4		SH-687		2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100
3		SH-688		2.1820/2.1825	0.0039/0.0065	0.0843	2.3550/2.3560	1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings								

DETROIT DIESEL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
7 (Cont.)	212 CID (3.5L) 4-53T Turbocharged Diesel 4 Cyl				3.875in./98.4mm x 4.500in./114.3mm			7 (Cont.)
Piston Pin Bushing(4)	C-1	223-3634	STD			0.1060	1.6850/1.6900	0.7100
NOTE: Requires Boring								
Rod Forging	5121248							
C/S Forging	5103318, 5116022, 5116029, 5181377							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	120 To 130 Lbs.Ft.							
8	284 CID (4.7L) 4-71,4-71E,4-71N Supercharged Diesel 4 Cyl				4.250in./108mm x 5.000in./127mm			8
Rod Bearing(4)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800
Main Bearing(5)	TM-112	MB-1276P	STD,10,20,30,40	3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930
Thrust Washer Set		TW-411S MB-2524W	STD	3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MB-1276P (5)								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: From Engine Serial Number 4A-59280, Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(3)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(3)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: From Engine Serial Number 4A-59280, Contains 4 Pieces								
Piston Pin Bushing(8)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(4)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston, 1 Per Rod								
Rod Forging	5144469, 5150093, 5154265							
C/S Forging	4-71, U-3967, 5154701, 5182942							
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	120 To 140 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
6 CYL								
9	318 CID (5.2L) 6V-53,6V-53N Supercharged Diesel V6 Cyl				3.875in./98.4mm x 4.500in./114.3mm			9
Rod Bearing(6)	TM-112	CB-674P	STD,10,20,30	2.7490/2.7500	0.0016/0.0046	0.1252	3.0015/3.0025	1.1100
Main Bearing Set	TM-112	MS-506P	STD,10,20					
1-2-3-4		MB-1931P		3.4990/3.5000	0.0023/0.0053	0.1245	3.7510/3.7520	1.0050
4		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Thru Engine Serial Number 6D-17960, 1 Oil Hole In Upper Half Bearing,Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Main Bearing Set	TM-112	MS-885P	STD,10,20,30					
1-2-3-4		MB-2474P		3.4990/3.5000	0.0023/0.0053	0.1245	3.7510/3.7520	1.0050
4		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: From Engine Serial Number 6D-17961, 7 Oil Holes In Upper Half Bearing,Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Thrust Washer Set		TW-411S MB-2524W	STD	3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-506P,MS-885P								
Cam Bearing Set	C-1	SH-701S	STD					
1-4		SH-686		2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100
2-3		SH-687		2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings								

DETROIT DIESEL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
9 (Cont.)	318 CID (5.2L) 6V-53,6V-53N Supercharged Diesel V6 Cyl				3.875in./98.4mm x 4.500in./114.3mm			9 (Cont.)
Piston Pin Bushing(6)	C-1	223-3622	STD			0.1225	1.6005/1.6010	0.7550
NOTE: Requires Boring								
Rod Forging	5128158, 5133009							
C/S Forging	A-399, 5116030							
Connecting Rod	24 To 28 Lbs.Ft. (5/16" Bolts)							
Connecting Rod	40 To 45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	120 To 130 Lbs.Ft.							
10	318 CID (5.2L) 6V-53T Turbocharged Diesel V6 Cyl				3.875in./98.4mm x 4.500in./114.3mm			10
Rod Bearing(6)	TM-112	CB-674P	STD,10,20,30	2.7490/2.7500	0.0016/0.0046	0.1252	3.0015/3.0025	1.1100
Main Bearing Set	TM-112	MS-506P	STD,10,20					
1-2-3-4		MB-1931P		3.4990/3.5000	0.0023/0.0053	0.1245	3.7510/3.7520	1.0050
4		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Thru Engine Serial Number 6D-17960, 1 Oil Hole In Upper Half Bearing,Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Main Bearing Set	TM-112	MS-885P	STD,10,20,30					
1-2-3-4		MB-2474P		3.4990/3.5000	0.0023/0.0053	0.1245	3.7510/3.7520	1.0050
4		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: From Engine Serial Number 6D-17961, 7 Oil Holes In Upper Half Bearing,Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Thrust Washer Set		TW-411S	STD					
		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-506P,MS-885P								
Cam Bearing Set	C-1	SH-701S	STD					
1-4		SH-686		2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100
2-3		SH-687		2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings								
Piston Pin Bushing(6)	C-1	223-3634	STD			0.1060	1.6850/1.6900	0.7100
NOTE: Requires Boring								
Rod Forging	5128158, 5133009							
C/S Forging	A-399, 5116030							
Connecting Rod	24 To 28 Lbs.Ft. (5/16" Bolts)							
Connecting Rod	40 To 45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	120 To 130 Lbs.Ft.							
11	426 CID (7.0L) 6-71,6-71E,6-71N Supercharged Diesel 6 Cyl				4.250in./108mm x 5.000in./127mm			11
	426 CID (7.0L) 6-71T Turbocharged Diesel 6 Cyl				4.250in./108mm x 5.000in./127mm			
Rod Bearing(6)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800
Main Bearing Set	TM-112	MS-271P	STD,10,20,30,40					
1-2-3-4-5-6-7		MB-1276P		3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930
7		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position								
Thrust Washer Set		TW-411S	STD					
		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 7, Use With Part Number MS-271P								
Cam Bearing Set	C-1	SH-476RS	STD,20					
		SH-476R		1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: From Engine Serial Number 6A-57745, Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(5)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(5)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS	STD					
		SH-477W		1.6910			2.1563	0.1220
NOTE: From Engine Serial Number 6A-57745, Contains 4 Pieces								

DETROIT DIESEL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
11 (Cont.)	426 CID (7.0L) 6-71,6-71E,6-71N Supercharged Diesel 6 Cyl				4.250in./108mm x 5.000in./127mm			11 (Cont.)
	426 CID (7.0L) 6-71T Turbocharged Diesel 6 Cyl				4.250in./108mm x 5.000in./127mm			
Piston Pin Bushing(12)	C-1	223-3462	STD		0.1330	1.7560/1.7595	0.8175	
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(6)		223-3548	STD		0.0880		3.2350	
NOTE: Crosshead Piston, 1 Per Rod								
Rod Forging	5144469, 5150093, 5154265							
C/S Forging	6-71, 5154256, 5155255, 5160034, 5173988, 5179067, 5182940							
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	120 To 140 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
12	426 CID (7.0L) 6-71TT Turbocharged Diesel 6 Cyl				4.250in./108mm x 5.000in./127mm			12
Rod Bearing(6)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800
Cam Thrust Washer Set		SH-477WS	STD					
		SH-477W		1.6910		2.1563	0.1220	
NOTE: From Engine Serial Number 6A-57745, Contains 4 Pieces								
Piston Pin Bushing(12)	C-1	223-3462	STD		0.1330	1.7560/1.7595	0.8175	
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(6)		223-3548	STD		0.0880		3.2350	
NOTE: Crosshead Piston, 1 Per Rod								
13	426 CID (7.0L) 6V-71,6V-71E,6V-71N,6V-71NE Supercharged Diesel V6 Cyl				4.250in./108mm x 5.000in./127mm			13
Rod Bearing(6)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing Set 1-2-3-4	TM-112	MS-1385P	STD,10,20,30					
		MB-2687P		4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450
		MB-2523W		4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Thrust Washer Set		TW-402S	STD					
		MB-2523W		4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 4								
Cam Bearing Set	C-1	SH-476RS	STD,20					
		SH-476R		1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(4)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(4)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS	STD					
		SH-477W		1.6910		2.1563	0.1220	
NOTE: Contains 4 Pieces								
Piston Pin Bushing(12)	C-1	223-3462	STD		0.1330	1.7560/1.7595	0.8175	
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(6)		223-3548	STD		0.0880		3.2350	
NOTE: Crosshead Piston, 1 Per Rod								
Rod Forging	5117002, 5125239, 5135051, 5144384							
C/S Forging	5117906, 5119906, 5146572							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	155 To 185 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
14	426 CID (7.0L) 6V-71T Turbocharged Diesel V6 Cyl				4.250in./108mm x 5.000in./127mm			14
Rod Bearing(6)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100

DETROIT DIESEL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
14 (Cont.)	426 CID (7.0L) 6V-71T Turbocharged Diesel V6 Cyl			4.250in./108mm x 5.000in./127mm				14 (Cont.)
Main Bearing Set 1-2-3-4 4	TM-112	MS-1385P MB-2687P MB-2523W	STD,10,20,30	4.4990/4.5000 4.7500/4.7600	0.0019/0.0049	0.1552	4.8120/4.8130 5.7300/5.7400	1.2450 0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1385P								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(4)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(12)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: 2 Per Rod,Requires Boring								
Piston Pin Bushing(6)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston, 1 Per Rod								
Connecting Rod Main Bearing	60 To 70 Lbs.Ft. 165 To 175 Lbs.Ft.							
15	466 CID (7.6L) Series 40 Navistar Turbocharged Diesel 6 Cyl (1995-2001) 530 CID (8.7L) Series 40 International Turbocharged Diesel 6 Cyl (1995-2001) 530 CID (8.7L) Series 40G International Turbocharged CNG 6 Cyl (1995-2001)			4.300in./109.2mm x 5.350in./135.9mm 4.587in./116.5mm x 5.350in./135.9mm 4.587in./116.5mm x 5.350in./135.9mm				15
Rod Bearing(6)	TM-77	CB-1659P	STD,10,20	3.1493/3.1506	0.0018/0.0051	0.0996	3.3516/3.3526	1.4400
Main Bearing Set 1-2-3-4-5-6 7	TM-77	MS-2096P MB-3555P MB-3556P(F)	STD,10,20	3.5344/3.5356 3.5344/3.5356	0.0018/0.0051 0.0018/0.0051	0.1556 0.1556	3.8486/3.8496 3.8486/3.8496	1.3510 1.7000
16	552 CID (9.0L) 6V-92 Supercharged Diesel V6 Cyl 552 CID (9.0L) 6V-92TAC Supercharged Diesel V6 Cyl (1980-1988) 552 CID (9.0L) 6V-92T,6V-92TTA,6V-92TT Turbocharged Diesel V6 Cyl 552 CID (9.0L) 6V-92TTAC Supercharged Diesel V6 Cyl (1980-1986)			4.840in./122.9mm x 5.000in./127mm 4.840in./122.9mm x 5.000in./127mm 4.840in./122.9mm x 5.000in./127mm 4.840in./122.9mm x 5.000in./127mm				16
Rod Bearing(6)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing Set 1-2-3-4 4	TM-112	MS-1385P MB-2687P MB-2523W	STD,10,20,30	4.4990/4.5000 4.7500/4.7600	0.0019/0.0049	0.1552	4.8120/4.8130 5.7300/5.7400	1.2450 0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1385P								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(4)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(6)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston								

DETROIT DIESEL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
16 (Cont.)	552 CID (9.0L) 6V-92 Supercharged Diesel V6 Cyl				4.840in./122.9mm x 5.000in./127mm			16 (Cont.)
	552 CID (9.0L) 6V-92TAC Supercharged Diesel V6 Cyl (1980-1988)				4.840in./122.9mm x 5.000in./127mm			
	552 CID (9.0L) 6V-92T,6V-92TTA,6V-92TT Turbocharged Diesel V6 Cyl				4.840in./122.9mm x 5.000in./127mm			
	552 CID (9.0L) 6V-92TTAC Supercharged Diesel V6 Cyl (1980-1986)				4.840in./122.9mm x 5.000in./127mm			
Connecting Rod		60 To 70 Lbs.Ft.						
Main Bearing		165 To 175 Lbs.Ft.						
17	677 CID (11.1L) Series 60 Turbocharged Diesel 6 Cyl				5.118in./130mm x 5.472in./139mm			17
	677 CID (11.1L) Series 60G CNG 6 Cyl				5.118in./130mm x 5.472in./139mm			
	778 CID (12.7L) Series 60 Turbocharged Diesel 6 Cyl				5.118in./130mm x 6.299in./160mm			
Rod Bearing(6)	TM-77	CB-1662P	STD,10,20	3.3450/3.3460	0.0016/0.0046	0.1230	3.5940/3.5950	1.7100
NOTE: Narrow Version								
Rod Bearing(6)	TM-112	CB-1792P		3.3450/3.3460	0.0016/0.0046	0.1230	3.5940/3.5950	1.8650
NOTE: Wide Version, Grooved Upper Half								
Rod Bearing(6)	TM-112	CB-1836P		3.3450/3.3460	0.0016/0.0046	0.1230	3.5940/3.5950	1.8650
NOTE: Wide Version, No Groove In Upper Half								
Main Bearing Set	TM-77	MS-2093P	STD,10,20					
1-2-3-4-5-7		MB-3561P		4.9200/4.9210	0.0016/0.0050	0.1567	5.2360/5.2370	1.5530
6		MB-3562P		4.9200/4.9210	0.0016/0.0050	0.1567	5.2360/5.2370	1.8040
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-600S								
Thrust Washer Set		TW-600S	STD					
		MB-3562W		5.2000/5.2200			6.2100/6.2300	0.0000
NOTE: Contains 2 Pieces, Position Number 6, Use With Part Number MS-2093P								
Cam Bearing (7)	TM-77	SH-1986				0.0770		1.4960
Connecting Rod		118 To 137 Lbs.Ft.						
Main Bearing		347 To 391 Lbs.Ft.						
8 CYL								
18	424 CID (6.9L) 8V-53,8V-53N Supercharged Diesel V8 Cyl				3.875in./98.4mm x 4.500in./114.3mm			18
Rod Bearing(8)	TM-112	CB-674P	STD,10,20,30	2.7490/2.7500	0.0016/0.0046	0.1252	3.0015/3.0025	1.1100
Main Bearing(5)	TM-112	MB-1931P	STD,10,20	3.4990/3.5000	0.0023/0.0053	0.1245	3.7510/3.7520	1.0050
NOTE: Thru Engine Serial Number 6D-17960, 1 Oil Hole In Upper Half Bearing,Requires Thrust Washer Set, Not Included, Use With Part Number TW-411S								
Main Bearing(5)	TM-112	MB-2474P	STD,10,20,30	3.4990/3.5000	0.0023/0.0053	0.1245	3.7510/3.7520	1.0050
NOTE: From Engine Serial Number 6D-17961, 7 Oil Holes In Upper Half Bearing,Requires Thrust Washer Set, Not Included, Use With Part Number TW-411S								
Thrust Washer Set		TW-411S	STD					
		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Numbers MB-1931P, MB-2474P								
Cam Bearing Set	C-1	SH-686S	STD					
1-5		SH-686		2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100
2-4		SH-687		2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100
3		SH-688		2.1820/2.1825	0.0039/0.0065	0.0843	2.3550/2.3560	1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings								
Piston Pin Bushing(8)	C-1	223-3622	STD			0.1225	1.6005/1.6010	0.7550
NOTE: Requires Boring								
Rod Forging	5133009							
C/S Forging	5136449							
Connecting Rod		24 To 28 Lbs.Ft. (5/16" Bolts)						
Connecting Rod		40 To 45 Lbs.Ft. (3/8" Bolts)						
Main Bearing		120 To 130 Lbs.Ft.						
19	424 CID (6.9L) 8V-53T Turbocharged Diesel V8 Cyl				3.875in./98.4mm x 4.500in./114.3mm			19
Rod Bearing(8)	TM-112	CB-674P	STD,10,20,30	2.7490/2.7500	0.0016/0.0046	0.1252	3.0015/3.0025	1.1100
Main Bearing(5)	TM-112	MB-1931P	STD,10,20	3.4990/3.5000	0.0023/0.0053	0.1245	3.7510/3.7520	1.0050
NOTE: Thru Engine Serial Number 6D-17960, 1 Oil Hole In Upper Half Bearing,Requires Thrust Washer Set, Not Included, Use With Part Number TW-411S								
Main Bearing(5)	TM-112	MB-2474P	STD,10,20,30	3.4990/3.5000	0.0023/0.0053	0.1245	3.7510/3.7520	1.0050
NOTE: From Engine Serial Number 6D-17961, 7 Oil Holes In Upper Half Bearing,Requires Thrust Washer Set, Not Included, Use With Part Number TW-411S								

DETROIT DIESEL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
19 (Cont.)	424 CID (6.9L) 8V-53T Turbocharged Diesel V8 Cyl			3.875in./98.4mm x 4.500in./114.3mm				19 (Cont.)
Thrust Washer Set		TW-411S MB-2524W	STD	3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MB-1931P, MB-2474P								
Cam Bearing Set	C-1	SH-686S	STD					
1-5		SH-686		2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100
2-4		SH-687		2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100
3		SH-688		2.1820/2.1825	0.0039/0.0065	0.0843	2.3550/2.3560	1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings								
Piston Pin Bushing(8)	C-1	223-3634	STD			0.1060	1.6850/1.6900	0.7100
NOTE: Requires Boring								
Rod Forging	5133009							
C/S Forging	5136449							
Connecting Rod	24 To 28 Lbs.Ft. (5/16" Bolts)							
Connecting Rod	40 To 45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	120 To 130 Lbs.Ft.							
20	500 CID (8.2L) Turbocharged Diesel V8 Cyl			4.250in./108mm x 4.406in./112mm				20
Rod Bearing(8)	TM-77	CB-1288P	STD,10,20,30,40	2.7549/2.7559	0.0020/0.0050	0.0955	2.9489/2.9494	0.9220
Main Bearing Set	TM-77	MS-1566P	STD,10,20					
1-2-3-5		MB-2881P		3.9360/3.9370	0.0023/0.0053	0.1255	4.1900/4.1910	0.9300
4		MB-2882P(F)		3.9360/3.9370	0.0023/0.0053	0.1255	4.1900/4.1910	1.2510
Cam Bearing Set	C-1	SH-1208S	STD					
1-2-3-4-5		SH-1208		2.5638/2.5646	0.0016/0.0046	0.0775	2.7213/2.7220	0.7200
Piston Pin Bushing(8)	C-1	223-3579	STD			0.1520	1.6244/1.6256	0.8550
NOTE: Requires Boring, 1.234" Length, 1.474" Inside Diameter, 1.626" Outside Diameter								
21	552 CID (9.0L) 6V-92TA Turbocharged/Aftercooled Diesel V8 Cyl (1979-1988)			4.840in./122.9mm x 5.000in./127mm				21
Rod Bearing(6)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing Set	TM-112	MS-1385P	STD,10,20,30					
1-2-3-4		MB-2687P		4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450
4		MB-2523W		4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Thrust Washer Set		TW-402S	STD					
		MB-2523W		4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1385P								
Cam Bearing Set	C-1	SH-476RS	STD,20					
		SH-476R		1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(4)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
Cam Thrust Washer Set		SH-477WS	STD					
		SH-477W		1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(6)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston								
22	568 CID (9.3L) 8V-71 Diesel V8 Cyl			4.250in./108mm x 5.000in./127mm				22
	568 CID (9.3L) 8V-71NE Supercharged Diesel V8 Cyl			4.250in./108mm x 5.000in./127mm				
Rod Bearing(8)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing Set	TM-112	MS-1386P	STD,10,20,30					
1-2-3-4-5		MB-2687P		4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450
5		MB-2523W		4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-402S	STD					
		MB-2523W		4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 5								

DETROIT DIESEL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
22 (Cont.)	568 CID (9.3L) 8V-71 Diesel V8 Cyl			4.250in./108mm x 5.000in./127mm				22 (Cont.)
	568 CID (9.3L) 8V-71NE Supercharged Diesel V8 Cyl			4.250in./108mm x 5.000in./127mm				
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(6)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(6)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(16)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Rod Forging	5135051, 5144384							
C/S Forging	511706, 5103281, 5144867							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	155 To 185 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
23	568 CID (9.3L) 8V-71,8V-71E,8V-71N Supercharged Diesel V8 Cyl			4.250in./108mm x 5.000in./127mm				23
Rod Bearing(8)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing Set	TM-112	MS-1386P	STD,10,20,30	4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450
1-2-3-4-5		MB-2687P		4.7500/4.7600			5.7300/5.7400	0.1220
5		MB-2523W						
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 5								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(6)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(6)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(16)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(8)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston								
Rod Forging	5135051, 5144384							
C/S Forging	511706, 5103281, 5144867							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	155 To 185 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
24	568 CID (9.3L) 8V-71T Turbocharged Diesel V8 Cyl			4.250in./108mm x 5.000in./127mm				24
Rod Bearing(8)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100

DETROIT DIESEL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
24 (Cont.)	568 CID (9.3L) 8V-71T Turbocharged Diesel V8 Cyl			4.250in./108mm x 5.000in./127mm				24 (Cont.)
Main Bearing Set 1-2-3-4-5 5	TM-112	MS-1386P MB-2687P MB-2523W	STD,10,20,30	4.4990/4.5000 4.7500/4.7600	0.0019/0.0049	0.1552	4.8120/4.8130 5.7300/5.7400	1.2450 0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 5								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(6)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(16)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(8)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston								
Connecting Rod Main Bearing	60 To 70 Lbs.Ft. 165 To 175 Lbs.Ft.							
25	568 CID (9.3L) 8V-71TA Turbocharged/Aftercooled Diesel V8 Cyl 568 CID (9.3L) 8V-71TT Turbocharged Diesel V8 Cyl			4.250in./108mm x 5.000in./127mm 4.250in./108mm x 5.000in./127mm				25
Rod Bearing(8)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing Set 1-2-3-4-5 5	TM-112	MS-1386P MB-2687P MB-2523W	STD,10,20,30	4.4990/4.5000 4.7500/4.7600	0.0019/0.0049	0.1552	4.8120/4.8130 5.7300/5.7400	1.2450 0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 5								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(6)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(16)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
26	736 CID (12.1L) 8V-92 Supercharged Diesel V8 Cyl 736 CID (12.1L) 8V-92TAC,8V-92TA,8V-92T,8V-92TTAC,8V-92TTA,8V-92TT Turbocharged Diesel V8 Cyl			4.840in./122.9mm x 5.000in./127mm 4.840in./122.9mm x 5.000in./127mm				26
Rod Bearing(8)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing Set 1-2-3-4-5 5	TM-112	MS-1386P MB-2687P MB-2523W	STD,10,20,30	4.4990/4.5000 4.7500/4.7600	0.0019/0.0049	0.1552	4.8120/4.8130 5.7300/5.7400	1.2450 0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1386P								

DETROIT DIESEL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
26 (Cont.)	736 CID (12.1L) 8V-92 Supercharged Diesel V8 Cyl			4.840in./122.9mm x 5.000in./127mm				26 (Cont.)
	736 CID (12.1L) 8V-92TAC,8V-92TA,8V-92T,8V-92TTAC,8V-92TTA,8V-92TT Turbocharged Diesel V8 Cyl			4.840in./122.9mm x 5.000in./127mm				
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(6)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(8)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston								
Connecting Rod Main Bearing	60 To 70 Lbs.Ft. 165 To 175 Lbs.Ft.							
12 CYL								
27	852 CID (14.0L) 12V-71,12V-71N Supercharged Diesel V12 Cyl			4.250in./108mm x 5.000in./127mm				27
Rod Bearing(12)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing(7)	TM-112	MB-2687P MB-1928P	STD,10,20,30	4.4990/4.5000 4.4990/4.5000	0.0019/0.0049 0.0019/0.0049	0.1552 0.1552	4.8120/4.8130 4.8120/4.8130	1.2450 1.2450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-402S								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 7								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(10)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(10)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set(2)		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(24)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(12)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston								
C/S Forging	5117212, 5146573							
Connecting Rod Main Bearing	65 To 70 Lbs.Ft. 155 To 185 Lbs.Ft. (Nuts) 180 To 190 Lbs.Ft. (Bolts)							
28 852 CID (14.0L) 12V-71NE Supercharged Diesel V12 Cyl 4.250in./108mm x 5.000in./127mm 28								
Rod Bearing(12)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing(7)	TM-112	MB-2687P MB-1928P	STD,10,20,30	4.4990/4.5000 4.4990/4.5000	0.0019/0.0049 0.0019/0.0049	0.1552 0.1552	4.8120/4.8130 4.8120/4.8130	1.2450 1.2450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-402S								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 7								

DETROIT DIESEL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
12 CYL (Cont.)								
28 (Cont.)	852 CID (14.0L) 12V-71NE Supercharged Diesel V12 Cyl			4.250in./108mm x 5.000in./127mm				28 (Cont.)
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(6)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(6)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set(2)		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(24)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
29	852 CID (14.0L) 12V-71T Turbocharged Diesel V12 Cyl			4.250in./108mm x 5.000in./127mm				29
Rod Bearing(12)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing(7)	TM-112	MB-2687P MB-1928P	STD,10,20,30	4.4990/4.5000 4.4990/4.5000	0.0019/0.0049 0.0019/0.0049	0.1552 0.1552	4.8120/4.8130 4.8120/4.8130	1.2450 1.2450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-402S								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 7								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(10)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
Cam Thrust Washer Set(2)		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(24)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(12)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston								
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	165 To 175 Lbs.Ft.							
30	1104 CID (18.1L) 12V-92 Supercharged Diesel V12 Cyl			4.840in./122.9mm x 5.000in./127mm				30
1104 CID (18.1L) 12V-92T,12V-92TTA,12V-92TT Turbocharged Diesel V12 Cyl				4.840in./122.9mm x 5.000in./127mm				
Rod Bearing(12)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing(7)	TM-112	MB-2687P MB-1928P	STD,10,20,30	4.4990/4.5000 4.4990/4.5000	0.0019/0.0049 0.0019/0.0049	0.1552 0.1552	4.8120/4.8130 4.8120/4.8130	1.2450 1.2450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-402S								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(10)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
Cam Thrust Washer Set(2)		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								

DETROIT DIESEL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
12 CYL (Cont.)								
30 (Cont.)	1104 CID (18.1L) 12V-92 Supercharged Diesel V12 Cyl				4.840in./122.9mm x 5.000in./127mm			30 (Cont.)
	1104 CID (18.1L) 12V-92T,12V-92TTA,12V-92TT Turbocharged Diesel V12 Cyl				4.840in./122.9mm x 5.000in./127mm			
Piston Pin Bushing(12)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston								
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	165 To 175 Lbs.Ft.							
31	1788 CID (29.3L) 12V-149 Turbocharged Diesel V12 Cyl				5.750in./146.1mm x 5.750in./146.1mm			31
Rod Bearing(12)	TM-112	CB-1180P	STD,10	3.8730/3.8740	0.0020/0.0050	0.1555	4.1865/4.1875	1.4850
Main Bearing Set	TM-112	MS-1383P	STD,10					
		MB-2685P		4.8720/4.8730	0.0033/0.0065	0.1555	5.1870/5.1880	1.8050
		MB-2686P		4.8720/4.8730	0.0033/0.0065	0.1555	5.1870/5.1880	2.7050
		MB-2686W		5.3500/5.3600			6.7350/6.7450	0.1650
Connecting Rod	140 To 150 Lbs.Ft.							
Main Bearing	280 To 290 Lbs.Ft.							
16 CYL								
32	1136 CID (18.6L) 16V-71,16V-71N Supercharged Diesel V16 Cyl				4.250in./108mm x 5.000in./127mm			32
Rod Bearing(16)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing(10)	TM-112	MB-2687P	STD,10,20,30	4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450
		MB-1928P		4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-402S								
Thrust Washer Set		TW-402S	STD					
		MB-2523W		4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 10								
Cam Bearing Set(3)	C-1	SH-476RS	STD,20					
		SH-476R		1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(12)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(12)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set(3)		SH-477WS	STD					
		SH-477W		1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(32)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(16)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston								
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	155 To 185 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
33	1136 CID (18.6L) 16V-71T Supercharged Diesel V16 Cyl				4.250in./108mm x 5.000in./127mm			33
Rod Bearing(16)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing(10)	TM-112	MB-2687P	STD,10,20,30	4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450
		MB-1928P		4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-402S								
Thrust Washer Set		TW-402S	STD					
		MB-2523W		4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 10								
Cam Bearing Set(3)	C-1	SH-476RS	STD,20					
		SH-476R		1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(12)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230

DETROIT DIESEL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
16 CYL (Cont.)								
33 (Cont.)	1136 CID (18.6L) 16V-71T Supercharged Diesel V16 Cyl				4.250in./108mm x 5.000in./127mm			33 (Cont.)
Cam Thrust Washer Set(3)		SH-477WS	STD					
		SH-477W		1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(32)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod, Requires Boring								
Piston Pin Bushing(16)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston								
Connecting Rod Main Bearing	60 To 70 Lbs.Ft. 165 To 175 Lbs.Ft.							
34	1472 CID (24.1L) 16V-92 Supercharged Diesel V16 Cyl				4.840in./122.9mm x 5.000in./127mm			34
	1472 CID (24.1L) 16V-92T, 16V-92TTA, 16V-92TT Turbocharged Diesel V16 Cyl				4.840in./122.9mm x 5.000in./127mm			
Rod Bearing(16)	TM-112	CB-555P	STD, 2, 10, 20, 30, 40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing(10)	TM-112	MB-2687P	STD, 10, 20, 30	4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450
		MB-1928P		4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-402S								
Thrust Washer Set		TW-402S	STD					
		MB-2523W		4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 10								
Cam Bearing Set(3)	C-1	SH-476RS	STD, 20					
		SH-476R		1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings, Housing Requires 2 Bushings Each, Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(12)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
Cam Thrust Washer Set(3)		SH-477WS	STD					
		SH-477W		1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(16)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston								
Connecting Rod Main Bearing	60 To 70 Lbs.Ft. 165 To 175 Lbs.Ft.							
35	2384 CID (39.1L) 16V-149 Supercharged Diesel V16 Cyl				5.750in./146.1mm x 5.750in./146.1mm			35
Rod Bearing(16)	TM-112	CB-1180P	STD, 10	3.8730/3.8740	0.0020/0.0050	0.1555	4.1865/4.1875	1.4850
Main Bearing Set	TM-112	MS-1384P	STD					
		MB-2685P		4.8720/4.8730	0.0033/0.0065	0.1555	5.1870/5.1880	1.8050
		MB-2686P		4.8720/4.8730	0.0033/0.0065	0.1555	5.1870/5.1880	2.7050
		MB-2686W		5.3500/5.3600			6.7350/6.7450	0.1650
C/S Forging 5145942								
Connecting Rod Main Bearing	140 To 150 Lbs.Ft. 280 To 290 Lbs.Ft.							

DEUTZ

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
2 CYL			4 CYL (Cont.)		
F2L912 1884CC (1.9L) Diesel	3.937in./100mmX4.724in./120mm	1	F4L912D 3768CC (3.8L) Diesel	3.937in./100mmX4.724in./120mm	3
F2L912D 1884CC (1.9L) Diesel	3.937in./100mmX4.724in./120mm	1	5 CYL		
3 CYL			F5L912 4710CC (4.7L) Diesel	3.937in./100mmX4.724in./120mm	4
F3L912 2826CC (2.8L) Diesel	3.937in./100mmX4.724in./120mm	2	F5L912D 4710CC (4.7L) Diesel	3.937in./100mmX4.724in./120mm	4
F3L912D 2826CC (2.8L) Diesel	3.937in./100mmX4.724in./120mm	2	6 CYL		
4 CYL			F6L912 5652CC (5.7L) Diesel	3.937in./100mmX4.724in./120mm	5
F4L912 3768CC (3.8L) Diesel	3.937in./100mmX4.724in./120mm	3	F6L912D 5652CC (5.7L) Diesel	3.937in./100mmX4.724in./120mm	5

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

2 CYL

1	1884CC (1.9L) F2L912D,F2L912 Diesel 2 Cyl					3.937in./100mm x 4.724in./120mm		1

Rod Bearing(2)	TM-112	CB-1053P	STD.,.25mm	2.3599/2.3606	0.0019/0.0039	0.0783	2.5197/2.5204	0.9840
Thrust Washer Set	TM-77	TW-347S MB-2916W MB-2917W	STD	3.1102/3.1220 3.1102/3.1220			3.7250/3.7387 4.0006/4.0143	0.1170 0.1170

NOTE: Locating Lug Type Thrust Washer

Connecting Rod	22 Lbs.Ft.; Plus 60 Degrees; Plus 30 Degrees
Main Bearing	22 Lbs.Ft.; Plus 60 Degrees; Plus 45 Degrees

3 CYL

2	2826CC (2.8L) F3L912D,F3L912 Diesel 3 Cyl					3.937in./100mm x 4.724in./120mm		2

Rod Bearing(3)	TM-112	CB-1053P	STD.,.25mm	2.3599/2.3606	0.0019/0.0039	0.0783	2.5197/2.5204	0.9840
Main Bearing(4)	TM-112	MB-198P	STD.,.25mm	2.7547/2.7555	0.0023/0.0045	0.0876	2.9330/2.9338	1.0620
NOTE: Only Sold Separately								
Thrust Washer Set		TW-249S MB-198W(U) MB-744W(L)	STD	3.1102/3.1220 3.1102/3.1220			3.7250/3.7387 4.0006/4.0143	0.1170 0.1170
NOTE: Dowel Pin Type Thrust Washer, Contains 4 Pieces, Use With Part Number MB-198P								
Thrust Washer Set	TM-77	TW-347S MB-2916W MB-2917W	STD	3.1102/3.1220 3.1102/3.1220			3.7250/3.7387 4.0006/4.0143	0.1170 0.1170

NOTE: Locating Lug Type Thrust Washer

4 CYL

3	3768CC (3.8L) F4L912D,F4L912 Diesel 4 Cyl					3.937in./100mm x 4.724in./120mm		3

Rod Bearing(4)	TM-112	CB-1053P	STD.,.25mm	2.3599/2.3606	0.0019/0.0039	0.0783	2.5197/2.5204	0.9840
Main Bearing(5)	TM-112	MB-198P	STD.,.25mm	2.7547/2.7555	0.0023/0.0045	0.0876	2.9330/2.9338	1.0620
NOTE: Only Sold Separately								
Thrust Washer Set		TW-249S MB-198W(U) MB-744W(L)	STD	3.1102/3.1220 3.1102/3.1220			3.7250/3.7387 4.0006/4.0143	0.1170 0.1170
NOTE: Dowel Pin Type Thrust Washer, Contains 4 Pieces, Use With Part Number MB-198P								
Thrust Washer Set	TM-77	TW-347S MB-2916W MB-2917W	STD	3.1102/3.1220 3.1102/3.1220			3.7250/3.7387 4.0006/4.0143	0.1170 0.1170

NOTE: Locating Lug Type Thrust Washer

5 CYL

4	4710CC (4.7L) F5L912D,F5L912 Diesel 5 Cyl					3.937in./100mm x 4.724in./120mm		4

Rod Bearing(5)	TM-112	CB-1053P	STD.,.25mm	2.3599/2.3606	0.0019/0.0039	0.0783	2.5197/2.5204	0.9840
Main Bearing(6)	TM-112	MB-198P	STD.,.25mm	2.7547/2.7555	0.0023/0.0045	0.0876	2.9330/2.9338	1.0620
NOTE: Only Sold Separately								

DEUTZ (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
5 CYL (Cont.)								
4 (Cont.)	4710CC (4.7L) F5L912D,F5L912 Diesel 5 Cyl			3.937in./100mm x 4.724in./120mm				4 (Cont.)
Thrust Washer Set TW-249S STD MB-198W(U) MB-744W(L)				3.1102/3.1220 3.1102/3.1220		3.7250/3.7387 4.0006/4.0143		0.1170 0.1170
NOTE: Dowel Pin Type Thrust Washer, Contains 4 Pieces, Use With Part Number MB-198P								
Thrust Washer Set TM-77 TW-347S STD MB-2916W MB-2917W				3.1102/3.1220 3.1102/3.1220		3.7250/3.7387 4.0006/4.0143		0.1170 0.1170
NOTE: Locating Lug Type Thrust Washer								
6 CYL								
5	5652CC (5.7L) F6L912D,F6L912 Diesel 6 Cyl			3.937in./100mm x 4.724in./120mm				5
Rod Bearing(6)	TM-112	CB-1053P	STD,.25mm	2.3599/2.3606	0.0019/0.0039	0.0783	2.5197/2.5204	0.9840
Main Bearing(7)	TM-112	MB-198P	STD,.25mm	2.7547/2.7555	0.0023/0.0045	0.0876	2.9330/2.9338	1.0620
NOTE: Only Sold Separately								
Thrust Washer Set(6) TW-249S STD MB-198W(U) MB-744W(L)				3.1102/3.1220 3.1102/3.1220		3.7250/3.7387 4.0006/4.0143		0.1170 0.1170
NOTE: Dowel Pin Type Thrust Washer, Contains 4 Pieces, Use With Part Number MB-198P								
Thrust Washer Set TM-77 TW-347S STD MB-2916W MB-2917W				3.1102/3.1220 3.1102/3.1220		3.7250/3.7387 4.0006/4.0143		0.1170 0.1170
NOTE: Locating Lug Type Thrust Washer								
DIAMOND REO								
ENGINE DATA								
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block	
6-162 Reo 331 CID (5.4L)	4.125in./104.8mmX4.125in./104.8mm		2	OA145 Reo 331 CID (5.4L)	4.125in./104.8mmX4.125in./104.8mm		1	
6-170 Reo 331 CID (5.4L)	4.125in./104.8mmX4.125in./104.8mm		2	OA255 Reo 255 CID (4.2L)	3.625in./92.1mmX4.125in./104.8mm		1	
6-186 Reo 362 CID (5.9L)	4.250in./108mmXin./mm		2	OA292 Reo 292 CID (4.8L)	3.875in./98.4mmX4.125in./104.8mm		1	
6-190 Reo 400 CID (6.6L)	4.250in./108mmX4.703in./119.5mm		2	OA331 Reo 331 CID (5.4L)	4.125in./104.8mmX4.125in./104.8mm		1	
6-200 Reo 400 CID (6.6L)	4.250in./108mmX4.703in./119.5mm		2	OH170 Reo 331 CID (5.4L)	4.125in./104.8mmX4.125in./104.8mm		2	
OA110 Reo 255 CID (4.2L)	3.625in./92.1mmX4.125in./104.8mm		1	OH186 Reo 362 CID (5.9L)	4.250in./108mmX4.250in./108mm		2	
OA123 Reo 255 CID (4.2L)	3.625in./92.1mmX4.125in./104.8mm		1	OH200 Reo 400 CID (6.6L)	4.250in./108mmX4.703in./119.5mm		2	
OA130 Reo 292 CID (4.8L)	3.875in./98.4mmX4.125in./104.8mm		1					
MODEL DATA								
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block	
Base Model	Truck Domestic Heavy Duty	255 CID (4.2L) OA255 Reo	1	C 478	Truck Domestic Heavy Duty	400 CID (6.6L) OH200 Reo	2	
Base Model	Truck Domestic Heavy Duty	292 CID (4.8L) OA292 Reo	1	CF 8364	Truck Domestic Heavy Duty	331 CID (5.4L) 6-170 Reo	2	
Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	2	CF 8364	Truck Domestic Heavy Duty	362 CID (5.9L) 6-186 Reo	2	
Base Model	Truck Domestic Heavy Duty	362 CID (5.9L) OH186 Reo	2	CF 8364	Truck Domestic Heavy Duty	400 CID (6.6L) 6-200 Reo	2	
Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) OH200 Reo	2	D 303	Truck Domestic Heavy Duty	292 CID (4.8L) OA130 Reo	1	
A 475	Truck Domestic Heavy Duty	331 CID (5.4L) OA331 Reo	1	D 503	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	2	
AC 503	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	2	D 433	Truck Domestic Heavy Duty	400 CID (6.6L) OH200 Reo	2	
C 200 Series	Truck Domestic Heavy Duty	255 CID (4.2L) OA255 Reo	1	DC 503	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	2	
C 370	Truck Domestic Heavy Duty	292 CID (4.8L) OA292 Reo	1	DC 10142	Truck Domestic Heavy Duty	400 CID (6.6L) 6-200 Reo	2	
C 500 Series	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	2	DF 500 Series	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	2	
C 10144	Truck Domestic Heavy Duty	362 CID (5.9L) 6-186 Reo	2	DF 500 Series	Truck Domestic Heavy Duty	362 CID (5.9L) OH186 Reo	2	

DIAMOND REO (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
DF 500 Series	Truck Domestic Heavy Duty	400 CID (6.6L) OH200 Reo	2	E 500 Series	Truck Domestic Heavy Duty	362 CID (5.9L) OH186 Reo	2
DO 530	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	2	E 500 Series	Truck Domestic Heavy Duty	400 CID (6.6L) OH200 Reo	2
E 20 Series	Truck Domestic Heavy Duty	255 CID (4.2L) OA255 Reo	1	F 236	Truck Domestic Heavy Duty	255 CID (4.2L) OA255 Reo	1
E 21 Series	Truck Domestic Heavy Duty	292 CID (4.8L) OA292 Reo	1	F 500 Series	Truck Domestic Heavy Duty	292 CID (4.8L) OA292 Reo	1
E 500 Series	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	2	F 500 Series	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	2

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1172-A3	4.125in./104.8mm	1	1609-A3	4.703in./119.5mm	2	1609-A3	4.250in./108mm	2
1609-A3	4.125in./104.8mm	2						

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1139-A3	4.125in./104.8mm	1	1224-A3	4.125in./104.8mm	1	1792-A3		2	1792-A3	4.250in./108mm	2
1189-A3	4.125in./104.8mm	1	1792-A3	4.125in./104.8mm	2	1792-A3	4.703in./119.5mm	2			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

6 CYL

1	255 CID (4.2L) OA110,OA123,OA255 Reo 6 Cyl		3.625in./92.1mm x 4.125in./104.8mm				1	
	292 CID (4.8L) OA130,OA292 Reo 6 Cyl		3.875in./98.4mm x 4.125in./104.8mm					
	331 CID (5.4L) OA145,OA331 Reo 6 Cyl		4.125in./104.8mm x 4.125in./104.8mm					
Rod Bearing(6)		TM-112	CB-365P	2.1705/2.1712	0.0008/0.0030	0.0755	2.3330/2.3335	1.3870

Rod Forging	1172-A3
C/S Forging	1139-A3, 1189-A3, 1224-A3

Connecting Rod	65 To 70 Lbs.Ft.
Main Bearing	85 To 90 Lbs.Ft.

2	331 CID (5.4L) 6-162,6-170,OH170 Reo 6 Cyl	4.125in./104.8mm x 4.125in./104.8mm	2
	362 CID (5.9L) 6-186 Reo 6 Cyl	4.250in./108mm x	
	362 CID (5.9L) OH186 Reo 6 Cyl	4.250in./108mm x 4.250in./108mm	
	400 CID (6.6L) 6-190,6-200,OH200 Reo 6 Cyl	4.250in./108mm x 4.703in./119.5mm	

Rod Bearing(6)	TM-112 CB-659P	STD,10	2.3093/2.3100	0.0019/0.0041	0.0628	2.4370/2.4375	1.1120

NOTE: From Engine Serial Number 269632

Rod Forging	1609-A3
C/S Forging	1792-A3

Connecting Rod	65 To 70 Lbs.Ft.
Main Bearing	85 To 90 Lbs.Ft.

FMC CORPORATION

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL			6 CYL		
4239T John Deere 239 CID (3.9L) Diesel Turbocharged	4.188in./106.4mmX4.328in./109.9mm	1	6466A John Deere 466 CID (7.6L) Diesel Turbocharged/Intercooled	4.563in./115.9mmX4.750in./120.7mm	2

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	239 CID (3.9L) 4239T John Deere Turbocharged Diesel 4 Cyl					4.188in./106.4mm x 4.328in./109.9mm			1
Rod Bearing(4)	TM-112	CB-759AL	STD,10,20,30		2.7480/2.7490	0.0015/0.0045	0.0750	2.9000/2.9010	1.1860
Main Bearing Set	TM-112	MS-875AL	STD,10,20,30						
1-2-3-4		MB-2454AL			3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.1600
5		MB-2455AL(F)			3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.5300

Connecting Rod	40 To 45 Lbs.Ft.
Main Bearing	85 Lbs.Ft.

FMC CORPORATION (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
2	466 CID (7.6L) 6466A John Deere Turbocharged/Intercooled Diesel 6 Cyl				4.563in./115.9mm x 4.750in./120.7mm			2
Rod Bearing(6)	TM-112	CB-1267P	STD,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900
Main Bearing Set 1-2-3-4-6-7	TM-112	MS-1529P	STD,10,20,30	3.3715/3.3725	0.0020/0.0050	0.1264	3.6270/3.6280	1.3900
5		MB-2858P		3.3720/3.3730	0.0015/0.0045	0.1264	3.6270/3.6280	1.6780
NOTE: Contains 3 Piece Thrust Washer Set, Use In Number 5 Position								
FIAT								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
4 CYL				4 CYL (Cont.)				
1116CC (1.1L) 128A OHC	1971-1973	3.150in./80mmX2.795in./71mm	1	1585CC (1.6L)	1975-1976	3.307in./84mmX2.835in./72mm	2	
1197CC (1.2L) 124A OHV	1966-1969	2.874in./73mmX2.835in./72mm	1	1592CC (1.6L) 125B	1973-1974	3.150in./80mmX3.110in./79mm	3	
1290CC (1.3L) OHC	1972-1979	3.386in./86mmX2.205in./56mm	1	1592CC (1.6L) 125BC	1973-1974	3.150in./80mmX3.110in./79mm	3	
1297CC (1.3L) 131A	1975-1976	3.386in./86mmX2.205in./56mm	1	1592CC (1.6L) 132AB	1973-1974	3.150in./80mmX3.110in./79mm	3	
1438CC (1.4L) 124AC DOHC	1968-1971	3.150in./80mmX2.835in./72mm	1	1756CC (1.8L) 132 AB 1 A.O.	1974-1978	3.307in./84mmX3.110in./79mm	4	
1438CC (1.4L) 124B2 OHV	1970-1973	3.150in./80mmX2.835in./72mm	1	1756CC (1.8L) DOHC	1978	3.307in./84mmX3.110in./79mm	5	
1498CC (1.5L) SOHC	1979-1982	3.402in./86.4mmX2.520in./64mm	1	1995CC (2.0L) DOHC	1979-1982	3.307in./84mmX3.543in./90mm	5	
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
124	1197CC (1.2L) 124A OHV	1966-1971	1	131 Mirafiori	1585CC (1.6L)	1974-1976	2	
124	1438CC (1.4L) 124AC DOHC	1968-1971	1	132	1592CC (1.6L) 132AB	1970-1974	3	
124	1438CC (1.4L) 124B2 OHV	1970-1973	1	132	1756CC (1.8L) 132 AB 1 A.O.	1972-1978	4	
124	1592CC (1.6L) 125B	1970-1974	3	Brava	1756CC (1.8L) DOHC	1978	5	
124	1592CC (1.6L) 125BC	1970-1974	3	Brava	1995CC (2.0L) DOHC	1979-1983	5	
124	1756CC (1.8L) 132 AB 1 A.O.	1974-1978	4	Spider 2000	1995CC (2.0L) DOHC	1979-1983	5	
128	1116CC (1.1L) 128A OHC	1969-1973	1	Strada	1498CC (1.5L) SOHC	1979-1982	1	
128	1290CC (1.3L) OHC	1972-1979	1	X-1/9	1290CC (1.3L) OHC	1972-1979	1	
131	1297CC (1.3L) 131A	1975-1976	1	X-1/9	1498CC (1.5L) SOHC	1979-1983	1	
131	1756CC (1.8L) 132 AB 1 A.O.	1972-1978	4					
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1116CC (1.1L) 128A OHC 4 Cyl (1971-1973) 1197CC (1.2L) 124A OHV 4 Cyl (1966-1969) 1290CC (1.3L) OHC 4 Cyl (1972-1979) 1297CC (1.3L) 131A 4 Cyl (1975-1976) 1438CC (1.4L) 124AC DOHC 4 Cyl (1968-1971) 1438CC (1.4L) 124B2 OHV 4 Cyl (1970-1973) 1498CC (1.5L) SOHC 4 Cyl (1979-1982)				3.150in./80mm x 2.795in./71mm 2.874in./73mm x 2.835in./72mm 3.386in./86mm x 2.205in./56mm 3.386in./86mm x 2.205in./56mm 3.150in./80mm x 2.835in./72mm 3.150in./80mm x 2.835in./72mm 3.402in./86.4mm x 2.520in./64mm			1
Rod Bearing(4)	AL-3	CB-1332AL	STD,10,20	1.7916/1.7924	0.0012/0.0033	0.0607	1.9145/1.9152	0.7560
Connecting Rod	36 Lbs.Ft. (1116CC (1.1L) 128A OHC,1197CC (1.2L) 124A OHV,1290CC (1.3L) OHC,1297CC (1.3L) 131A,1438CC (1.4L) 124AC DOHC,1438CC (1.4L) 124B2 OHV)							
Connecting Rod	38 Lbs.Ft. (1498CC (1.5L) SOHC)							
Main Bearing	58 Lbs.Ft. (1116CC (1.1L) 128A OHC,1197CC (1.2L) 124A OHV,1290CC (1.3L) OHC,1297CC (1.3L) 131A,1438CC (1.4L) 124AC DOHC,1438CC (1.4L) 124B2 OHV)							
Main Bearing	59 Lbs.Ft. (1498CC (1.5L) SOHC)							
2	1585CC (1.6L) 4 Cyl (1975-1976)				3.307in./84mm x 2.835in./72mm			2
Main Bearing Set 1-2-4-5	AL-3	MS-1145AL	STD,10	2.0860/2.0868	0.0028/0.0040	0.0724	2.2329/2.2335	0.8170
3		MB-672AL		2.0860/2.0868	0.0028/0.0040	0.0724	2.2329/2.2335	0.9550
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-236S								

FIAT (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
2 (Cont.)	1585CC (1.6L) 4 Cyl (1975-1976)			3.307in./84mm x 2.835in./72mm				2 (Cont.)
Thrust Washer Set		TW-236S	STD					
		MB-673W(L)		2.3230/2.3330			2.8980/2.9080	0.0930
		MB-673W(U)		2.3230/2.3330			2.8980/2.9080	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1145AL								
3	1592CC (1.6L) 125BC,132AB,125B 4 Cyl (1973-1974)			3.150in./80mm x 3.110in./79mm				3
Rod Bearing(4)	AL-3	CB-1009AL	STD,20	1.9993/2.0000	0.0015/0.0035	0.0602	2.1219/2.1226	0.7680
Main Bearing Set	AL-3	MS-1145AL	STD,10					
1-2-4-5		MB-672AL		2.0860/2.0868	0.0028/0.0040	0.0724	2.2329/2.2335	0.8170
3		MB-673AL		2.0860/2.0868	0.0028/0.0040	0.0724	2.2329/2.2335	0.9550
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-236S								
Thrust Washer Set		TW-236S	STD					
		MB-673W(L)		2.3230/2.3330			2.8980/2.9080	0.0930
		MB-673W(U)		2.3230/2.3330			2.8980/2.9080	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1145AL								
Connecting Rod	47 Lbs.Ft.							
Main Bearing	58 Lbs.Ft.							
4	1756CC (1.8L) 132 AB 1 A.O. 4 Cyl (1974-1978)			3.307in./84mm x 3.110in./79mm				4
Rod Bearing(4)	AL-3	CB-1009AL	STD,20	1.9993/2.0000	0.0015/0.0035	0.0602	2.1219/2.1226	0.7680
NOTE: 1974								
Rod Bearing(4)	AL-3	CB-1138AL	STD,10,20	1.9993/2.0000	0.0015/0.0035	0.0602	2.1219/2.1226	0.7680
NOTE: 1975-1978								
Main Bearing Set	AL-3	MS-1145AL	STD,10					
1-2-4-5		MB-672AL		2.0860/2.0868	0.0028/0.0040	0.0724	2.2329/2.2335	0.8170
3		MB-673AL		2.0860/2.0868	0.0028/0.0040	0.0724	2.2329/2.2335	0.9550
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-236S								
Thrust Washer Set		TW-236S	STD					
		MB-673W(L)		2.3230/2.3330			2.8980/2.9080	0.0930
		MB-673W(U)		2.3230/2.3330			2.8980/2.9080	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1145AL								
Connecting Rod	37 Lbs.Ft.							
Main Bearing	58 Lbs.Ft.							
5	1756CC (1.8L) DOHC 4 Cyl (1978)			3.307in./84mm x 3.110in./79mm				5
	1995CC (2.0L) DOHC 4 Cyl (1979-1982)			3.307in./84mm x 3.543in./90mm				
Rod Bearing(4)	AL-3	CB-1138AL	STD,10,20	1.9993/2.0000	0.0015/0.0035	0.0602	2.1219/2.1226	0.7680
Main Bearing Set	AL-3	MS-1145AL	STD,10					
1-2-4-5		MB-672AL		2.0860/2.0868	0.0028/0.0040	0.0724	2.2329/2.2335	0.8170
3		MB-673AL		2.0860/2.0868	0.0028/0.0040	0.0724	2.2329/2.2335	0.9550
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-236S								
Thrust Washer Set		TW-236S	STD					
		MB-673W(L)		2.3230/2.3330			2.8980/2.9080	0.0930
		MB-673W(U)		2.3230/2.3330			2.8980/2.9080	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1145AL								
Connecting Rod	37 Lbs.Ft. (1756CC (1.8L) DOHC)							
Connecting Rod	54 Lbs.Ft. (1995CC (2.0L) DOHC)							
Main Bearing	58 Lbs.Ft.							

ENGINE DATA

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
3 CYL				4 CYL (Cont.)			
159 CID (2.6L) 3-53N Detroit Diesel Supercharged Diesel	1973-1976	3.875in./98.4mmX4.500in./114.3mm	1	134 CID (2.2L) SOHC 8 Valve Mazda Diesel	1983-1984	3.500in./88.9mmX3.502in./89mm	22
4 CYL				138 CID/2261CC (2.3L) Duratec 23 DOHC	2005	3.440in./87.4mmX3.700in./94mm	16
997CC (1.0L) OHV	1959-1967	3.189in./81mmX1.890in./48mm	2	138 CID/2261CC (2.3L) PZEV DOHC 16 Valve	2003-2005	3.440in./87.4mmX3.700in./94mm	16
67 CID (1.1L) I-67	1973-1982	3.188in./80.98mmX2.100in./53.3mm	3	140 CID (2.3L) High Swirl Combustion	1984-1994	3.680in./93.5mmX3.125in./79.4mm	23
1098CC (1.1L) German	1968-1980	3.189in./81mmX2.126in./54mm	3	140 CID (2.3L) SOHC	1974-1997	3.780in./96mmX3.125in./79.4mm	24
1100CC (1.1L)	1971-1973	3.188in./80.98mmX2.100in./53.3mm	3	140 CID (2.3L) SOHC Turbocharged	1979-1989	3.780in./96mmX3.125in./79.4mm	15
1198CC (1.2L) British	1961-1968	3.189in./81mmX2.284in./58mm	2	140 CID (2.3L) SOHC Mitsubishi Turbocharged Diesel	1985-1987	3.587in./91.1mmX3.543in./90mm	25
81 CID (1.3L) SOHC Mazda	1988-1997	2.795in./71mmX3.189in./81mm	4	140 CID (2.3L) SOHC	1984-1985	3.780in./96mmX3.125in./79.4mm	15
1298CC (1.3L) German	1968-1980	3.189in./81mmX2.480in./63mm	3	140 CID (2.3L) Special Vehicle Operation Turbocharged	1984-1986	3.780in./96mmX3.125in./79.4mm	15
1340CC (1.3L) British	1961-1962	3.189in./81mmX2.559in./65mm	2	144 CID (2.4L) Diesel	1958-1965	3.563in./90.5mmX3.600in./91.4mm	26
1498CC (1.5L) OHV	1963-1967	3.189in./81mmX2.859in./72.62mm	3	153 CID (2.5L) High Swirl Combustion	1986-1991	3.680in./93.5mmX3.578in./90.8mm	27
1498CC (1.5L) OHV	1963-1970	3.543in./90mmX2.284in./58mm	5	153 CID (2.5L) SOHC	1998-2001	3.780in./96mmX3.397in./86.3mm	28
98 CID (1.6L) DOHC Mazda	1991-1994	3.071in./78mmX3.307in./84mm	6	172 CID (2.8L)	1955-1978	3.900in./99mmX3.600in./91.4mm	20
98 CID (1.6L) DOHC Mazda Turbocharged	1991-1994	3.071in./78mmX3.307in./84mm	6	172 CID (2.8L) LPG	1955-1978	3.900in./99mmX3.600in./91.4mm	20
98 CID (1.6L) OHV	1971-1982	3.188in./80.98mmX3.063in./77.8mm	7	172 CID (2.8L) 172D Diesel	1958-1978	3.900in./99mmX3.600in./91.4mm	26
98 CID (1.6L) SOHC	1981-1985	3.147in./79.94mmX3.125in./79.4mm	8	192 CID (3.1L)	1972-1981	4.130in./104.9mmX3.600in./91.4mm	20
98 CID (1.6L) SOHC Mazda	1987-1989	3.071in./78mmX3.307in./84mm	6	192 CID (3.1L) Diesel	1972-1981	4.130in./104.9mmX3.600in./91.4mm	26
98 CID (1.6L) SOHC Turbocharged	1981-1985	3.147in./79.94mmX3.125in./79.4mm	8	192 CID (3.1L) LPG	1972-1981	4.130in./104.9mmX3.600in./91.4mm	20
98 CID (1.6L) SOHC High Output	1982-1985	3.147in./79.94mmX3.125in./79.4mm	8	220 CID (3.6L) Diesel	1962-1966	3.937in./100mmX4.527in./115mm	29
1593CC (1.6L) British	1970-1982	3.465in./88mmX2.598in./66mm	9	220 CID (3.6L) Dagenham Diesel	1952-1966	3.937in./100mmX4.527in./115mm	29
1599CC (1.6L) British	1967-1973	3.189in./81mmX3.071in./78mm	3	6 CYL			
1599CC (1.6L) OHV	1978-1980	3.188in./80.98mmX3.063in./77.8mm	10	144 CID (2.4L)	1960-1964	3.500in./88.9mmX2.500in./63.5mm	30
1699CC (1.7L) OHV	1963-1975	3.543in./90mmX2.638in./67mm	5	149 CID (2.4L) BMW Turbocharged Diesel	1984-1985	3.150in./80mmX3.189in./81mm	31
110 CID (1.8L) SOHC Mazda	1972-1978	3.071in./78mmX3.701in./94mm	11	153 CID (2.5L) DOHC Mazda	1993-1997	3.327in./84.5mmX2.913in./74mm	32
112 CID (1.8L) DOHC Mazda	1991-1996	3.268in./83mmX3.346in./85mm	6	155 CID (2.5L)	1995-2002	3.240in./82.3mmX3.130in./79.5mm	33
116 CID (1.9L) High Output	1994-1995	3.226in./81.94mmX3.460in./87.9mm	12	Duratec/DOHC/24 Valve			
116 CID (1.9L) SOHC	1985-1996	3.226in./81.94mmX3.460in./87.9mm	13	159 CID (2.6L)	1972-1973	3.543in./90mmX2.625in./66.7mm	34
120 CID (2.0L) 40 Horsepower	1941-1942	3.187in./80.95mmX3.750in./95.3mm	14	2551CC (2.6L) German	1970-1976	3.543in./90mmX2.638in./67mm	35
120 CID (2.0L) L-Head	1941-1942	3.187in./80.95mmX3.750in./95.3mm	14	170 CID (2.8L)	1961-1972	3.500in./88.9mmX2.938in./74.6mm	36
121 CID (2.0L)	1983-1988	3.516in./89.3mmX3.125in./79.4mm	15	171 CID (2.8L) German	1974-1986	3.661in./93mmX2.701in./68.6mm	37
121 CID (2.0L) Duratec 20 DOHC	2004-2005	3.339in./84.8mmX3.461in./87.9mm	16	177 CID (2.9L) OHV	1986-1992	3.661in./93mmX2.831in./71.9mm	38
121 CID (2.0L) Duratec 20E PZEV	2004-2005	3.339in./84.8mmX3.461in./87.9mm	16	2900CC (2.9L) Merkur	1988-1990	3.661in./93mmX2.831in./71.9mm	39
122 CID (2.0L) DOHC Mazda	1993-1997	3.268in./83mmX3.622in./92mm	17	181 CID/2967CC (3.0L) DOHC 24 VALVE Lincoln	2000-2004	3.504in./89mmX3.130in./79.5mm	33
122 CID (2.0L) SOHC	1997-2004	3.339in./84.8mmX3.461in./87.9mm	12	181 CID/2967CC (3.0L) Duratec/DOHC/24 Valve	1996-2004	3.504in./89mmX3.130in./79.5mm	33
122 CID (2.0L) SOHC	1971-1974	3.578in./90.8mmX3.031in./77mm	9	183 CID (3.0L) FFV/OHV Flex	1999-2003	3.504in./89mmX3.150in./80mm	40
122 CID (2.0L) SOHC Mazda	1979-1982	3.150in./80mmX3.858in./98mm	11	183 CID (3.0L) OHV Flex	1986-2004	3.504in./89mmX3.150in./80mm	40
122 CID (2.0L) SOHC Mazda Diesel	1984-1987	3.386in./86mmX3.386in./86mm	18	183 CID (3.0L) SHO	1989-1995	3.504in./89mmX3.150in./80mm	41
1989CC (2.0L)	1995-2003	3.339in./84.8mmX3.461in./87.9mm	19	DOHC Yamaha			
Zetec/DOHC/16 Valve				2960CC (3.0L) VG30E SOHC Nissan	1993-1998	3.425in./87mmX3.268in./83mm	42
1989CC (2.0L)	1996-2000	3.339in./84.8mmX3.461in./87.9mm	19	195 CID (3.2L) SHO DOHC Yamaha	1993-1995	3.600in./91.4mmX3.150in./80mm	41
Zetec/DOHC/16 Valve CNG				200 CID (3.3L) OHV	1963-1983	3.680in./93.5mmX3.125in./79.4mm	43
1993CC (2.0L) OHC	1970-1976	3.578in./90.8mmX3.031in./77mm	9	3275CC (3.3L) SOHC Nissan	1999-2002	3.602in./91.5mmX3.268in./83mm	42
134 CID (2.2L)	1953-1976	3.437in./87.3mmX3.600in./91.4mm	20	215 CID (3.5L)	1952-1953	3.563in./90.5mmX3.609in./91.7mm	44
134 CID (2.2L) LPG	1953-1976	3.437in./87.3mmX3.600in./91.4mm	20	215 CID (3.5L) JA	1952-1953	3.563in./90.5mmX3.609in./91.7mm	44
134 CID (2.2L) JE Flex	1953-1976	3.438in./87.3mmX3.600in./91.4mm	20	223 CID (3.7L)	1954-1964	3.625in./92.1mmX3.609in./91.7mm	45
134 CID (2.2L) SOHC Mazda	1989-1992	3.386in./86mmX3.701in./94mm	21				
134 CID (2.2L) SOHC Mazda Turbocharged	1989-1992	3.386in./86mmX3.701in./94mm	21				

FORD (Cont.)

ENGINE DATA (Cont.)

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
6 CYL (Cont.)				8 CYL (Cont.)			
223 CID (3.7L) JF	1954-1964	3.625in./92.1mmX3.609in./91.7mm	46	312 CID (5.1L)	1957	3.800in./96.5mmX3.438in./87.3mm	76
226 CID (3.7L) L-Head	1947-1951	3.300in./83.8mmX4.400in./111.8mm	47	Supercharged			
232 CID (3.8L)	1982-2004	3.811in./96.8mmX3.386in./86mm	48	317 CID (5.2L)	1952-1955	3.800in./96.5mmX3.500in./88.9mm	66
232 CID (3.8L)	1989-1995	3.811in./96.8mmX3.386in./86mm	49	330 CID (5.4L)	1964-1978	3.875in./98.4mmX3.500in./88.9mm	77
Supercharged				330 CID (5.4L) OHV	1964-1978	3.875in./98.4mmX3.500in./88.9mm	77
238 CID (3.9L) OHV	2004	3.811in./96.8mmX3.465in./88mm	50	330 CID (5.4L) Triton	1999-2002	3.550in./90.1mmX4.165in./105.8mm	71
240 CID (4.0L)	1965-1974	4.000in./101.6mmX3.188in./80.98mm	51	DOHC Ford Windsor			
240 CID (4.0L) OHV	1965-1974	4.000in./101.6mmX3.188in./80.98mm	51	330 CID (5.4L) Triton	1997-2003	3.551in./90.2mmX4.161in./105.7mm	71
244 CID (4.0L) OHV	1990-2000	3.953in./100.4mmX3.307in./84mm	52	SOHC Ford Windsor			
244 CID (4.0L) SOHC	1997-2001	3.953in./100.4mmX3.307in./84mm	53	330 CID (5.4L) Triton	1999-2003	3.551in./90.2mmX4.165in./105.8mm	71
244 CID (4.0L) SOHC	2002-2003	3.953in./100.4mmX3.307in./84mm	53	SOHC Ford Windsor			
Flex				Supercharged			
250 CID (4.1L)	1969-1980	3.680in./93.5mmX3.906in./99.2mm	54	330 CID (5.4L) Triton	1998-2003	3.551in./90.2mmX4.161in./105.7mm	71
256 CID (4.2L) OHV	1997-2005	3.811in./96.8mmX3.740in./95mm	50	SOHC Ford Windsor			
262 CID (4.3L)	1961-1964	3.719in./94.5mmX4.031in./102.4mm	55	Bi-Fuel Gas/CNG;			
262 CID (4.3L) OHV	1961-1964	3.719in./94.5mmX4.031in./102.4mm	55	Gas/LPG			
300 CID (4.9L)	1965-1996	4.000in./101.6mmX3.980in./101.1mm	56	330 CID (5.4L) Triton	1997-2003	3.551in./90.2mmX4.161in./105.7mm	71
300 CID (4.9L) LPG	1965-1996	4.000in./101.6mmX3.980in./101.1mm	56	SOHC Ford Windsor CNG			
330 CID (5.4L) 590E	1960-1966	3.938in./100mmX4.527in./115mm	57	332 CID (5.4L)	1956-1963	3.800in./96.5mmX3.656in./92.9mm	78
Dagenham Diesel				332 CID (5.4L)	1958-1959	4.000in./101.6mmX3.297in./83.8mm	79
330 CID (5.4L) Dagenham	1962-1966	3.938in./100mmX4.527in./115mm	57	341 CID (5.6L)	1955	3.938in./100mmX3.500in./88.9mm	80
Diesel				351 CID (5.8L) Ford	1971-1974	4.000in./101.6mmX3.500in./88.9mm	81
401 CID (6.6L) 401D		4.400in./111.8mmX4.406in./112mm	58	Cleveland LPG			
Diesel				351 CID (5.8L) Ford	1969-1994	4.000in./101.6mmX3.500in./88.9mm	82
401 CID (6.6L) 401DT		4.400in./111.8mmX4.406in./112mm	59	Windsor LPG			
Turbocharged Diesel				351 CID (5.8L) 351C Ford	1970-1974	4.000in./101.6mmX3.500in./88.9mm	81
401 CID (6.6L) Brazilian -	1986-1995	4.400in./111.8mmX4.400in./111.8mm	60	Cleveland			
Turbo Turbocharged Diesel				351 CID (5.8L) 351M	1975-1982	4.000in./101.6mmX3.500in./88.9mm	83
474 CID (7.8L) Brazilian -	1987-1995	4.400in./111.8mmX5.200in./132mm	60	351 CID (5.8L) 351M LPG	1975-1982	4.000in./101.6mmX3.500in./88.9mm	83
Turbo Turbocharged Diesel				351 CID (5.8L) 351W Ford	1969-1998	4.000in./101.6mmX3.500in./88.9mm	82
8 CYL				Windsor			
207 CID (3.4L) DOHC	1996-1999	3.189in./81mmX3.071in./78mm	61	351 CID (5.8L) Boss Ford	1971	4.000in./101.6mmX3.500in./88.9mm	81
221 CID (3.6L)	1937-1942	3.063in./77.8mmX3.750in./95.3mm	62	Cleveland			
221 CID (3.6L)	1962-1963	3.500in./88.9mmX2.875in./73mm	63	351 CID (5.8L) Cobra Jet	1973-1974	4.000in./101.6mmX3.500in./88.9mm	81
239 CID (3.9L) L-Head	1939-1953	3.188in./80.98mmX3.750in./95.3mm	64	Ford Cleveland			
239 CID (3.9L) OHV	1954-1955	3.500in./88.9mmX3.100in./78.7mm	65	351 CID (5.8L) High	1972	4.000in./101.6mmX3.500in./88.9mm	81
255 CID (4.2L)	1980-1982	3.680in./93.5mmX3.000in./76.2mm	63	Output Ford Cleveland			
255 CID (4.2L) L-Head	1949-1953	3.188in./80.98mmX4.000in./101.6mm	64	351 CID (5.8L) High	1995	4.000in./101.6mmX3.500in./88.9mm	84
256 CID (4.2L)	1954-1955	3.625in./92.1mmX3.100in./78.7mm	65	Output Cobra			
256 CID (4.2L) JH	1954-1955	3.625in./92.1mmX3.100in./78.7mm	65	351 CID (5.8L) High	1993-1996	4.000in./101.6mmX3.500in./88.9mm	84
256 CID (4.2L) JJ	1954-1955	3.625in./92.1mmX3.100in./78.7mm	65	Performance Ford Windsor			
260 CID (4.3L)	1962-1965	3.800in./96.5mmX2.870in./72.9mm	63	352 CID (5.8L)	1958-1967	4.000in./101.6mmX3.500in./88.9mm	85
272 CID (4.5L)	1955-1958	3.625in./92.1mmX3.297in./83.8mm	65	359 CID (5.9L) OHV	1974-1975	4.050in./102.9mmX3.500in./88.9mm	86
279 CID (4.6L)	1952-1955	3.562in./90.5mmX3.500in./88.9mm	66	360 CID (5.9L)	1976	4.050in./102.9mmX3.500in./88.9mm	86
279 CID (4.6L) OHV	1953-1955	3.562in./90.5mmX3.500in./88.9mm	66	361 CID (5.9L) OHV	1964-1978	4.050in./102.9mmX3.500in./88.9mm	77
281 CID (4.6L) DOHC	1993-2004	3.551in./90.2mmX3.542in./90mm	67	361 CID (5.9L) Super	1958-1959	4.050in./102.9mmX3.500in./88.9mm	87
281 CID (4.6L) DOHC	2003-2004	3.551in./90.2mmX3.542in./90mm	68	Express			
Ford				363 CID/5954CC (6.0L)	2003-2004	3.740in./95mmX4.134in./105mm	88
281 CID (4.6L) DOHC	2003-2004	3.551in./90.2mmX3.542in./90mm	67	Power-Stroke/VT365			
Supercharged/Intercooled				International			
281 CID (4.6L) SOHC	1991-2004	3.551in./90.2mmX3.542in./90mm	69	Turbocharged/Intercooled			
281 CID (4.6L) SOHC	1995-2003	3.551in./90.2mmX3.542in./90mm	70	Diesel			
CNG				368 CID (6.0L)	1956-1957	4.000in./101.6mmX3.656in./92.9mm	89
281 CID (4.6L) SOHC	1997-1998	3.551in./90.2mmX3.542in./90mm	71	370 CID (6.1L)	1979-1991	4.046in./102.8mmX3.590in./91.2mm	90
LPG				370 CID (6.1L) OHV	1979-1991	4.046in./102.8mmX3.590in./91.2mm	90
289 CID (4.7L)	1963-1968	4.000in./101.6mmX2.870in./72.9mm	72	383 CID (6.3L)	1958-1960	4.300in./109.2mmX3.297in./83.8mm	91
289 CID (4.7L) LPG	1965-1968	4.000in./101.6mmX2.870in./72.9mm	63	389 CID (6.4L) OHV	1975-1978	4.050in./102.9mmX3.781in./96mm	86
292 CID (4.8L)	1955-1964	3.750in./95.3mmX3.297in./83.8mm	73	390 CID (6.4L)	1961-1976	4.050in./102.9mmX3.781in./96mm	92
302 CID (5.0L)	1968-2001	4.000in./101.6mmX3.000in./76.2mm	63	391 CID (6.4L) OHV	1964-1978	4.050in./102.9mmX3.781in./96mm	77
302 CID (5.0L) LPG	1968-1986	4.000in./101.6mmX3.000in./76.2mm	63	400 CID (6.6L) OHV	1971-1982	4.000in./101.6mmX4.000in./101.6mm	83
302 CID (5.0L) Boss	1969-1971	4.000in./101.6mmX3.000in./76.2mm	74	400 CID (6.6L) OHV LPG	1972-1982	4.000in./101.6mmX4.000in./101.6mm	83
302 CID (5.0L) High	1982-1995	4.000in./101.6mmX3.000in./76.2mm	63	401 CID (6.6L)	1958-1976	4.125in./104.8mmX3.750in./95.3mm	93
Output				406 CID (6.7L)	1962-1963	4.130in./104.9mmX3.781in./96mm	94
302 CID (5.0L) OHV	1956-1963	3.625in./92.1mmX3.656in./92.9mm	75	410 CID (6.7L)	1966-1967	4.050in./102.9mmX3.984in./101.2mm	86
312 CID (5.1L)	1956-1960	3.800in./96.5mmX3.438in./87.3mm	76	410 CID (6.7L) OHV	1958	4.203in./106.8mmX3.703in./94.1mm	91
				420 CID (6.9L) Navistar	1983-1987	4.000in./101.6mmX4.180in./106.2mm	95
				Diesel			

FORD (Cont.)

ENGINE DATA (Cont.)

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
8 CYL (Cont.)				8 CYL (Cont.)			
427 CID (7.0L) High Performance	1963-1968	4.233in./107.5mmX3.781in./96mm	96	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Turbocharged/Intercooled Diesel	1994-2003	4.110in./104.4mmX4.180in./106.2mm	98
427 CID (7.0L) Super High Output	1963-1967	4.233in./107.5mmX3.781in./96mm	97	460 CID (7.5L)	1968-1998	4.360in./110.7mmX3.850in./97.8mm	90
428 CID (7.0L)		4.130in./104.9mmX3.984in./101.2mm	86	460 CID (7.5L) LPG	1973-1992	4.360in./110.7mmX3.850in./97.8mm	90
428 CID (7.0L) Cobra Jet	1966-1970	4.130in./104.9mmX3.984in./101.2mm	86	462 CID (7.6L)	1966-1968	4.380in./111.3mmX3.830in./97.3mm	91
428 CID (7.0L) Super Cobra Jet	1969-1970	4.130in./104.9mmX3.984in./101.2mm	86	475 CID (7.8L)	1973-1979	4.500in./114.3mmX3.750in./95.3mm	93
428 CID (7.0L) Thunderbird	1966-1968	4.130in./104.9mmX3.984in./101.2mm	86	477 CID (7.8L)	1958-1981	4.500in./114.3mmX3.750in./95.3mm	93
429 CID (7.0L)	1979-1993	4.360in./110.7mmX3.590in./91.2mm	90	522 CID (8.6L) V150 Caterpillar Diesel	1968-1971	4.500in./114.3mmX4.100in./104.1mm	99
429 CID (7.0L) Boss	1970	4.360in./110.7mmX3.590in./91.2mm	90	522 CID (8.6L) V175 Caterpillar Diesel	1968-1975	4.500in./114.3mmX4.100in./104.1mm	99
429 CID (7.0L) Cobra Jet	1970-1973	4.360in./110.7mmX3.590in./91.2mm	90	534 CID (8.8L)	1958-1981	4.500in./114.3mmX4.200in./106.7mm	93
429 CID (7.0L) OHV	1979-1998	4.360in./110.7mmX3.590in./91.2mm	90	573 CID (9.4L) V200 Caterpillar Diesel	1968-1975	4.500in./114.3mmX4.500in./114.3mm	99
429 CID (7.0L) OHV LPG	1990-1998	4.360in./110.7mmX3.590in./91.2mm	90	636 CID (10.4L) V225 Caterpillar Diesel	1970-1976	4.500in./114.3mmX5.000in./127mm	99
429 CID (7.0L) Special	1969-1970	4.360in./110.7mmX3.590in./91.2mm	90	10 CYL			
429 CID (7.0L) Super Cobra Jet	1971	4.360in./110.7mmX3.590in./91.2mm	90	415 CID (6.8L) SOHC Ford Windsor	1997-2004	3.550in./90.1mmX4.161in./105.7mm	100
429 CID (7.0L) Thunder Jet	1968-1973	4.360in./110.7mmX3.590in./91.2mm	90				
430 CID (7.0L)	1958-1965	4.300in./109.2mmX3.703in./94.1mm	91				
444 CID (7.3L) Indirect Injection Navistar Diesel	1988-1994	4.110in./104.4mmX4.180in./106.2mm	95				
444 CID (7.3L) Indirect Injection Navistar Turbocharged Diesel	1992-1994	4.110in./104.4mmX4.180in./106.2mm	95				

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
1 Ton	120 CID (2.0L) L-Head	1941-1944	14	302 CID (5.0L)		1968-1993	63
1 Ton	226 CID (3.7L) L-Head	1941-1947	47	317 CID (5.2L)		1952-1955	66
1/2 Ton	120 CID (2.0L) L-Head	1941-1944	14	330 CID (5.4L) Dagenham Diesel		1962-1966	57
1/2 Ton	226 CID (3.7L) L-Head	1941-1947	47	330 CID (5.4L)		1964-1966	77
3/4 Ton	120 CID (2.0L) L-Head	1941-1944	14	332 CID (5.4L)		1956-1963	78
3/4 Ton	226 CID (3.7L) L-Head	1941-1947	47	351 CID (5.8L) 351W Ford Windsor		1969-1993	82
	67 CID (1.1L) I-67	1973-1982	3	360 CID (5.9L)			86
	98 CID (1.6L) OHV	1973-1982	7	361 CID (5.9L) OHV		1964-1978	77
	120 CID (2.0L) 40 Horsepower		14	370 CID (6.1L)		1979-1991	90
	134 CID (2.2L)	1953-1976	20	390 CID (6.4L)			92
	134 CID (2.2L)	1953-1976	20	391 CID (6.4L) OHV		1964-1978	77
	134 CID (2.2L) JE	1953-1976	20	401 CID (6.6L) 401D Diesel			58
	140 CID (2.3L) SOHC	1977-1993	24	401 CID (6.6L) 401DT Diesel			59
	144 CID (2.4L)	1960-1964	30	401 CID (6.6L)		1958-1976	93
	144 CID (2.4L) Diesel	1958-1965	26	428 CID (7.0L)		0	86
	172 CID (2.8L)	1955-1978	20	429 CID (7.0L) OHV		1979-1993	90
	172 CID (2.8L)	1955-1978	20	429 CID (7.0L)		1979-1993	90
	172 CID (2.8L) 172D Diesel	1958-1978	26	460 CID (7.5L)		1973-1993	90
	192 CID (3.1L) Diesel	1972-1981	26	477 CID (7.8L)		1958-1981	93
	192 CID (3.1L)	1972-1981	20	534 CID (8.8L)		1958-1981	93
	192 CID (3.1L)	1972-1981	20	1699CC (1.7L) OHV		1964-1967	5
	200 CID (3.3L) OHV	1965-1983	43	289 CID (4.7L)		1965-1968	63
	215 CID (3.5L)	1952-1953	44	300 CID (4.9L)		1965-1995	56
	215 CID (3.5L) JA	1952-1953	44	302 CID (5.0L)		1968-1986	63
	220 CID (3.6L) Diesel	1962-1966	29	351 CID (5.8L) Ford Cleveland		1971-1974	81
	223 CID (3.7L)	1954-1964	45	351 CID (5.8L) Ford Windsor		1969-1994	82
	223 CID (3.7L) JF	1954-1964	46	351 CID (5.8L) 351M		1975-1982	83
	239 CID (3.9L) L-Head	1939-1955	64	400 CID (6.6L) OHV		1972-1982	83
	239 CID (3.9L) OHV	1954-1955	65	460 CID (7.5L)		1973-1992	90
	240 CID (4.0L)	1965-1974	51	140 CID (2.3L) SOHC		1986-1987	24
	256 CID (4.2L)	1954-1955	65	Aerostar	171 CID (2.8L) German	1986	37
	256 CID (4.2L) JH	1954-1955	65	Aerostar	183 CID (3.0L) OHV	1986-1997	40
	256 CID (4.2L) JJ	1954-1955	65	Aerostar	244 CID (4.0L) OHV	1990-1997	52
	262 CID (4.3L)	1961-1964	55	Anglia	997CC (1.0L) OHV	1959-1967	2
	272 CID (4.5L)	1956-1958	65	Anglia	1198CC (1.2L) British	1961-1968	2
	279 CID (4.6L)	1952-1955	66	Aspire	81 CID (1.3L) SOHC Mazda	1994-1997	4
	292 CID (4.8L)	1958-1964	73	Aviator	281 CID (4.6L) DOHC Ford	2003-2005	68
	300 CID (4.9L)	1965-1993	56				

FORD (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
B5	239 CID (3.9L) L-Head	1948-1952	64	C500	300 CID (4.9L)	1970-1971	56
B6	239 CID (3.9L) L-Head	1948-1952	64	C550	262 CID (4.3L) OHV	1961-1964	55
B500	215 CID (3.5L)	1953	44	C550	292 CID (4.8L)	1959-1964	73
B500	223 CID (3.7L)	1954-1964	45	C550	300 CID (4.9L)	1965-1969	56
B500	239 CID (3.9L) L-Head	1953	64	C550	330 CID (5.4L) OHV	1964-1969	77
B500	239 CID (3.9L) OHV	1954-1955	65	C600	239 CID (3.9L) L-Head	1953	64
B500	240 CID (4.0L) OHV	1965-1971	51	C600	239 CID (3.9L) OHV	1954-1955	65
B500	300 CID (4.9L)	1965-1978	56	C600	262 CID (4.3L) OHV	1961-1964	55
B500	330 CID (5.4L) OHV	1964-1978	77	C600	272 CID (4.5L)	1956-1958	65
B600	223 CID (3.7L)	1955-1964	45	C600	292 CID (4.8L)	1959-1964	73
B600	239 CID (3.9L) L-Head	1953	64	C600	300 CID (4.9L)	1965-1977	56
B600	239 CID (3.9L) OHV	1954-1955	65	C600	330 CID (5.4L) OHV	1964-1978	77
B600	240 CID (4.0L) OHV	1965-1967	51	C600	359 CID (5.9L) OHV	1974-1975	86
B600	256 CID (4.2L)	1954-1955	65	C600	361 CID (5.9L) OHV	1964-1978	77
B600	262 CID (4.3L) OHV	1961-1962	55	C600	370 CID (6.1L) OHV	1979-1986	90
B600	272 CID (4.5L)	1956-1958	65	C600D	330 CID (5.4L) Dagenham Diesel	1962-1966	57
B600	292 CID (4.8L)	1959-1964	73	C700	272 CID (4.5L)	1956-1958	65
B600	300 CID (4.9L)	1965-1979	56	C700	292 CID (4.8L)	1959-1963	73
B600	330 CID (5.4L) OHV	1964-1978	77	C700	330 CID (5.4L) OHV	1964-1972	77
B600	359 CID (5.9L) OHV	1974-1975	86	C700	359 CID (5.9L) OHV	1974-1975	86
B600	361 CID (5.9L) OHV	1964-1978	77	C700	361 CID (5.9L) OHV	1964-1978	77
B600	370 CID (6.1L) OHV	1979-1989	90	C700	370 CID (6.1L) OHV	1979-1986	90
B600	429 CID (7.0L) OHV	1988-1989	90	C700	389 CID (6.4L) OHV	1975-1978	86
B700	256 CID (4.2L)	1954-1955	65	C700	429 CID (7.0L) OHV	1979-1986	90
B700	272 CID (4.5L)	1956-1958	65	C700D	330 CID (5.4L) Dagenham Diesel	1962-1966	57
B700	292 CID (4.8L)	1959-1964	73	C750	279 CID (4.6L) OHV	1953-1955	66
B700	330 CID (5.4L) OHV	1964-1978	77	C750	302 CID (5.0L) OHV	1956-1962	75
B700	359 CID (5.9L) OHV	1974-1975	86	C750	332 CID (5.4L)	1963	78
B700	361 CID (5.9L) OHV	1964-1978	77	C750	359 CID (5.9L) OHV	1974-1975	86
B700	370 CID (6.1L) OHV	1979-1989	90	C750	361 CID (5.9L) OHV	1964-1978	77
B700	429 CID (7.0L) OHV	1982-1989	90	C750	389 CID (6.4L) OHV	1975-1978	86
B750	279 CID (4.6L) OHV	1953-1955	66	C800	317 CID (5.2L)	1953-1955	66
B750	332 CID (5.4L)	1956-1963	78	C800	332 CID (5.4L)	1956-1963	78
B750	359 CID (5.9L) OHV	1974-1975	86	C800	359 CID (5.9L) OHV	1974-1975	86
B750	361 CID (5.9L) OHV	1964-1977	77	C800	361 CID (5.9L) OHV	1964-1978	77
B750	389 CID (6.4L) OHV	1975-1977	86	C800	370 CID (6.1L) OHV	1979-1986	90
B6000	401 CID (6.6L) Brazilian - Turbo Diesel	1987-1993	60	C800	389 CID (6.4L) OHV	1975-1978	86
B6000	522 CID (8.6L) V150 Caterpillar Diesel	1968-1971	99	C800	391 CID (6.4L) OHV	1964-1974	77
B7000	401 CID (6.6L) Brazilian - Turbo Diesel	1986-1993	60	C800	429 CID (7.0L) OHV	1979-1986	90
B7000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1993	60	C800	475 CID (7.8L)	1976-1979	93
B7000	522 CID (8.6L) V175 Caterpillar Diesel	1968-1975	99	C850	401 CID (6.6L)	1958-1969	93
Bermuda	361 CID (5.9L) Super Express	1958	87	C850	477 CID (7.8L)	1962-1969	93
Blackwood	330 CID (5.4L) Triton DOHC Ford Windsor	2002-2003	71	C900	317 CID (5.2L)	1954-1955	66
Bobcat	140 CID (2.3L) SOHC	1975-1979	24	C900	332 CID (5.4L)	1956-1958	78
Bobcat	171 CID (2.8L) German	1975-1979	37	C900	401 CID (6.6L)	1970-1975	93
Bronco	170 CID (2.8L)	1966-1972	36	C900	477 CID (7.8L)	1976-1981	93
Bronco	200 CID (3.3L) OHV	1973-1974	43	C900	534 CID (8.8L)	1976-1981	93
Bronco	289 CID (4.7L)	1966-1968	72	C950	401 CID (6.6L)	1958-1962	93
Bronco	300 CID (4.9L)	1980-1996	56	C950	477 CID (7.8L)	1960-1962	93
Bronco	302 CID (5.0L)	1969-1996	63	C1000	477 CID (7.8L)	1958-1969	93
Bronco	351 CID (5.8L) 351W Ford Windsor	1978-1996	82	C1000	534 CID (8.8L)	1960-1969	93
Bronco	351 CID (5.8L) 351M	1978-1981	83	C1100	477 CID (7.8L)	1958-1965	93
Bronco	400 CID (6.6L) OHV	1978-1979	83	C1100	534 CID (8.8L)	1960-1965	93
Bronco II	140 CID (2.3L) SOHC Mitsubishi Diesel	1985-1986	25	C6000	522 CID (8.6L) V150 Caterpillar Diesel	1968-1971	99
Bronco II	171 CID (2.8L) German	1984-1986	37	C7000	522 CID (8.6L) V175 Caterpillar Diesel	1968-1975	99
Bronco II	177 CID (2.9L) OHV	1986-1990	38	C7000	573 CID (9.4L) V200 Caterpillar Diesel	1968-1975	99
C5	239 CID (3.9L) L-Head	1948-1952	64	C8000	522 CID (8.6L) V175 Caterpillar Diesel	1968-1975	99
C6	239 CID (3.9L) L-Head	1948-1952	64	C8000	573 CID (9.4L) V200 Caterpillar Diesel	1968-1975	99
C500	239 CID (3.9L) L-Head	1953	64	C8000	636 CID (10.4L) V225 Caterpillar Diesel	1970-1976	99
C500	239 CID (3.9L) OHV	1954-1955	65	CF6000	401 CID (6.6L) Brazilian - Turbo Diesel	1986-1990	60
C500	272 CID (4.5L)	1956	65	CF7000	401 CID (6.6L) Brazilian - Turbo Diesel	1986-1995	60

FORD (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
CF8000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1995	60	Club Wagon E250	400 CID (6.6L) OHV	1980-1982	83
CFT8000	474 CID (7.8L) Brazilian - Turbo Diesel	1988-1995	60	Club Wagon E250	420 CID (6.9L) Navistar Diesel	1983-1987	95
				Club Wagon E250	444 CID (7.3L) Indirect Injection Navistar Diesel	1988-1991	95
Calienta	170 CID (2.8L)	1964	36	Club Wagon E250	460 CID (7.5L)	1975-1991	90
Calienta	200 CID (3.3L) OHV	1964-1967	43	Club Wagon E300	240 CID (4.0L) OHV	1969-1974	51
Calienta	260 CID (4.3L)	1964	63	Club Wagon E300	302 CID (5.0L)	1969-1974	63
Calienta	289 CID (4.7L)	1964-1966	72	Club Wagon E350	300 CID (4.9L)	1984-1996	56
Calienta	390 CID (6.4L)	1966-1967	92	Club Wagon E350	300 CID (4.9L)	1984	56
Capri	98 CID (1.6L) OHV	1970-1972	7	Club Wagon E350	330 CID (5.4L) Triton SOHC	1997-1998	71
Capri	98 CID (1.6L) DOHC Mazda	1991-1994	6		Ford Windsor		
Capri	98 CID (1.6L) DOHC Mazda	1991-1994	6	Club Wagon E350	330 CID (5.4L) Triton SOHC	1997-1998	71
Capri	122 CID (2.0L) SOHC	1971-1974	9		Ford Windsor		
Capri	140 CID (2.3L) SOHC	1976-1986	24	Club Wagon E350	351 CID (5.8L) 351W Ford	1984-1996	82
Capri	140 CID (2.3L) SOHC	1979-1985	15		Windsor		
Capri	159 CID (2.6L)	1972	34	Club Wagon E350	415 CID (6.8L) SOHC Ford	1997-2000	100
Capri	171 CID (2.8L) German	1974-1978	37		Windsor		
Capri	200 CID (3.3L) OHV	1966-1982	43	Club Wagon E350	420 CID (6.9L) Navistar Diesel	1984-1987	95
Capri	232 CID (3.8L)	1983-1986	48	Club Wagon E350	444 CID (7.3L) Indirect Injection Navistar Diesel	1988-1994	95
Capri	255 CID (4.2L)	1980-1982	63				
Capri	289 CID (4.7L)	1966-1967	72	Club Wagon E350	444 CID (7.3L) Indirect Injection Navistar Diesel	1992-1993	95
Capri	302 CID (5.0L)	1979-1983	63				
Capri	302 CID (5.0L) High Output	1982-1986	63	Club Wagon E350	444 CID (7.3L) Indirect Injection Turbocharged Navistar Diesel	1994	95
Capri	317 CID (5.2L)	1952-1954	66				
Capri	341 CID (5.6L)	1955	80	Club Wagon E350	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1994-1998	98
Capri	368 CID (6.0L)	1956-1957	89				
Capri	390 CID (6.4L)	1966-1967	92	Club Wagon E350	460 CID (7.5L)	1984-1996	90
Capri	430 CID (7.0L)	1958-1959	91	Colony Park	292 CID (4.8L)	1961-1962	73
Capri	1100CC (1.1L)	1971-1973	3	Colony Park	352 CID (5.8L)	1961-1962	85
Capri	1298CC (1.3L) German	1968-1980	3	Colony Park	368 CID (6.0L)	1957	89
Capri	1340CC (1.3L) British	1960-1965	2	Colony Park	383 CID (6.3L)	1958-1959	91
Capri	1498CC (1.5L) OHV	1967-1970	5	Colony Park	390 CID (6.4L)	1961-1968	92
Capri	1498CC (1.5L) OHV	1963-1972	3	Colony Park	410 CID (6.7L)	1966-1967	86
Capri	1593CC (1.6L) British	1972-1980	9	Colony Park	427 CID (7.0L) High Performance	1967	96
Capri	1599CC (1.6L) British	1968-1972	3				
Capri	1699CC (1.7L) OHV	1969-1972	5	Colony Park	428 CID (7.0L) Thunderbird	1966-1968	86
Capri	1993CC (2.0L) OHC	1966-1976	9	Colony Park	430 CID (7.0L)	1958-1960	91
Capri	2551CC (2.6L) German	1970-1976	35	Comet	144 CID (2.4L)	1960-1963	30
Citation	410 CID (6.7L) OHV	1958	91	Comet	170 CID (2.8L)	1961-1967	36
Club Wagon E100	144 CID (2.4L)	1962-1964	30	Comet	200 CID (3.3L) OHV	1964-1977	43
Club Wagon E100	170 CID (2.8L)	1962-1972	36	Comet	250 CID (4.1L)	1969-1977	54
Club Wagon E100	240 CID (4.0L) OHV	1965-1974	51	Comet	260 CID (4.3L)	1963-1964	63
Club Wagon E100	300 CID (4.9L)	1974-1982	56	Comet	289 CID (4.7L)	1964-1967	72
Club Wagon E100	302 CID (5.0L)	1973-1983	63	Comet	302 CID (5.0L)	1968-1977	63
Club Wagon E100	351 CID (5.8L) 351W Ford Windsor	1975-1983	82	Comet	390 CID (6.4L)	1966-1967	92
Club Wagon E100	351 CID (5.8L) 351M	1977-1982	83	Commuter	390 CID (6.4L)	1964-1968	92
Club Wagon E150	256 CID (4.2L) OHV	1997-2003	50	Commuter	410 CID (6.7L)	1966-1967	86
Club Wagon E150	281 CID (4.6L) SOHC	1997-2005	69	Commuter	428 CID (7.0L) Cobra Jet	1966-1968	86
Club Wagon E150	281 CID (4.6L) SOHC	1997-1998	71	Consul	1340CC (1.3L) British	1960-1965	2
Club Wagon E150	300 CID (4.9L)	1975-1996	56	Consul	1699CC (1.7L) OHV	1972-1975	5
Club Wagon E150	300 CID (4.9L)	1990-1996	56	Consul	2551CC (2.6L) German	1970-1976	35
Club Wagon E150	302 CID (5.0L)	1980-1996	63	Continental	149 CID (2.4L) BMW Diesel	1984-1985	31
Club Wagon E150	330 CID (5.4L) Triton SOHC Ford Windsor	1997-2005	71	Continental	232 CID (3.8L)	1982-1994	48
Club Wagon E150	330 CID (5.4L) Triton SOHC Ford Windsor	1997-1998	71	Continental	281 CID (4.6L) DOHC	1995-2002	67
Club Wagon E150	351 CID (5.8L) 351W Ford Windsor	1975-1996	82	Continental	302 CID (5.0L)	1980-1987	63
Club Wagon E150	351 CID (5.8L) 351M	1977-1982	83	Continental	351 CID (5.8L) 351W Ford Windsor	1980	82
Club Wagon E200	240 CID (4.0L) OHV	1969-1974	51	Continental	400 CID (6.6L) OHV	1977-1979	83
Club Wagon E200	302 CID (5.0L)	1969-1974	63	Continental	430 CID (7.0L)	1961-1965	91
Club Wagon E250	300 CID (4.9L)	1975-1991	56	Continental	460 CID (7.5L)	1968-1978	90
Club Wagon E250	300 CID (4.9L)	1982-1991	56	Continental	462 CID (7.6L)	1966-1968	91
Club Wagon E250	302 CID (5.0L)	1979-1991	63	Continental Mark II	368 CID (6.0L)	1956-1957	89
Club Wagon E250	351 CID (5.8L) 351W Ford Windsor	1975-1991	82	Continental Mark III	430 CID (7.0L)	1958	91
Club Wagon E250	351 CID (5.8L) 351M	1977-1982	83	Continental Mark IV	430 CID (7.0L)	1959	91
				Continental Mark V	430 CID (7.0L)	1960	91
				Contour	155 CID (2.5L) Duratec/DOHC/24 Valve	1995-2000	33

FORD (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Contour	1989CC (2.0L) Zetec/DOHC/16 Valve	1995-2000	19	Crown Victoria	281 CID (4.6L) SOHC	1992-2005	69
Contour	1989CC (2.0L) Zetec/DOHC/16 Valve	1996-2000	19	Crown Victoria	281 CID (4.6L) SOHC	1995-2004	70
Corsair	332 CID (5.4L)	1959	79	Crown Victoria	302 CID (5.0L)	1983-1991	63
Corsair	410 CID (6.7L) OHV	1958	91	Crown Victoria	351 CID (5.8L) 351W Ford Windsor	1983-1991	82
Cortina	1100CC (1.1L)	1971-1973	3	Custom	223 CID (3.7L)	1957	45
Cortina	1198CC (1.2L) British	1962-1968	2	Custom	239 CID (3.9L) L-Head	1949-1951	64
Cortina	1498CC (1.5L) OHV	1963-1972	3	Custom	240 CID (4.0L) OHV	1965-1972	51
Cortina	1593CC (1.6L) British	1970-1982	9	Custom	255 CID (4.2L) L-Head	1952-1953	64
Cortina	1599CC (1.6L) British	1967-1973	3	Custom	256 CID (4.2L)	1954	65
Cosmopolitan	317 CID (5.2L)	1952-1954	66	Custom	272 CID (4.5L)	1957	65
Cougar	140 CID (2.3L) SOHC	1981-1982	24	Custom	289 CID (4.7L)	1964-1967	72
Cougar	140 CID (2.3L) SOHC	1984-1986	15	Custom	292 CID (4.8L)	1955	73
Cougar	155 CID (2.5L) Duratec/DOHC/24 Valve	1999-2002	33	Custom	302 CID (5.0L)	1969-1972	63
Cougar	200 CID (3.3L) OHV	1981-1982	43	Custom	312 CID (5.1L)	1956	76
Cougar	232 CID (3.8L)	1982-1997	48	Custom	312 CID (5.1L)	1957	76
Cougar	232 CID (3.8L)	1989-1990	49	Custom	341 CID (5.6L)	1955	80
Cougar	255 CID (4.2L)	1980-1982	63	Custom	351 CID (5.8L) 351W Ford Windsor	1969-1971	82
Cougar	281 CID (4.6L) SOHC	1994-1997	69	Custom	351 CID (5.8L) 351C Ford Cleveland	1970-1972	81
Cougar	289 CID (4.7L)	1967-1968	72	Custom	390 CID (6.4L)	1967-1970	92
Cougar	302 CID (5.0L)	1968-1988	63	Custom	400 CID (6.6L) OHV	1971-1972	83
Cougar	302 CID (5.0L) Boss	1969-1971	74	Custom	429 CID (7.0L) Thunder Jet	1969-1971	90
Cougar	302 CID (5.0L) High Output	1991-1992	63	Custom 300	223 CID (3.7L)	1957-1959	45
Cougar	351 CID (5.8L) 351W Ford Windsor	1969-1979	82	Custom 300	272 CID (4.5L)	1957	65
Cougar	351 CID (5.8L) 351C Ford Cleveland	1970-1974	81	Custom 300	292 CID (4.8L)	1957-1959	73
Cougar	351 CID (5.8L) 351M	1975-1979	83	Custom 300	312 CID (5.1L)	1957	76
Cougar	390 CID (6.4L)	1967-1969	92	Custom 300	312 CID (5.1L)	1957	76
Cougar	400 CID (6.6L) OHV	1974-1978	83	Custom 300	332 CID (5.4L)	1958	79
Cougar	427 CID (7.0L) High Performance	1968	96	Custom 300	352 CID (5.8L)	1958-1959	85
Cougar	428 CID (7.0L) Cobra Jet	1968-1969	86	Custom 500	240 CID (4.0L) OHV	1965-1972	51
Cougar	429 CID (7.0L) Thunder Jet	1969	90	Custom 500	289 CID (4.7L)	1964-1967	72
Cougar	429 CID (7.0L) Cobra Jet	1970-1971	90	Custom 500	302 CID (5.0L)	1969-1979	63
Cougar	429 CID (7.0L) Super Cobra Jet	1971	90	Custom 500	351 CID (5.8L) 351W Ford Windsor	1969-1979	82
Cougar	460 CID (7.5L)	1974-1976	90	Custom 500	351 CID (5.8L) 351C Ford Cleveland	1971-1974	81
Cougar	1989CC (2.0L) Zetec/DOHC/16 Valve	1999-2002	19	Custom 500	351 CID (5.8L) High Output Ford Cleveland	1972	81
Country Sedan	170 CID (2.8L)	1961-1962	36	Custom 500	351 CID (5.8L) Cobra Jet Ford Cleveland	1973-1974	81
Country Sedan	223 CID (3.7L)	1955-1964	45	Custom 500	351 CID (5.8L) 351M	1975-1979	83
Country Sedan	240 CID (4.0L) OHV	1965-1968	51	Custom 500	390 CID (6.4L)	1964-1970	92
Country Sedan	272 CID (4.5L)	1955-1957	65	Custom 500	400 CID (6.6L) OHV	1971-1978	83
Country Sedan	289 CID (4.7L)	1963-1968	72	Custom 500	427 CID (7.0L) High Performance	1964-1968	96
Country Sedan	292 CID (4.8L)	1957-1962	73	Custom 500	427 CID (7.0L) Super High Output	1964-1967	97
Country Sedan	312 CID (5.1L)	1957	76	Custom 500	429 CID (7.0L) Thunder Jet	1969-1971	90
Country Sedan	312 CID (5.1L)	1957	76	Custom 500	460 CID (7.5L)	1973-1978	90
Country Sedan	332 CID (5.4L)	1958-1959	79	Customline	215 CID (3.5L)	1952-1953	44
Country Sedan	352 CID (5.8L)	1958-1963	85	Customline	223 CID (3.7L)	1954-1956	45
Country Sedan	390 CID (6.4L)	1961-1968	92	Customline	239 CID (3.9L) L-Head	1952-1953	64
Country Sedan	428 CID (7.0L) Thunderbird	1966-1968	86	Customline	239 CID (3.9L) OHV	1954	65
Country Squire	223 CID (3.7L)	1955-1964	45	Customline	256 CID (4.2L)	1954	65
Country Squire	240 CID (4.0L) OHV	1965-1968	51	Customline	272 CID (4.5L)	1955-1956	65
Country Squire	272 CID (4.5L)	1955-1957	65	Cyclone	289 CID (4.7L)	1964-1967	72
Country Squire	289 CID (4.7L)	1963-1968	72	Cyclone	302 CID (5.0L)	1968-1969	63
Country Squire	292 CID (4.8L)	1955-1962	73	Cyclone	351 CID (5.8L) 351W Ford Windsor	1969-1971	82
Country Squire	312 CID (5.1L)	1956	76	Cyclone	351 CID (5.8L) 351C Ford Cleveland	1970-1971	81
Country Squire	332 CID (5.4L)	1958-1959	79	Cyclone	390 CID (6.4L)	1966-1969	92
Country Squire	352 CID (5.8L)	1958-1963	85	Cyclone	427 CID (7.0L) High Performance	1968	96
Courier	110 CID (1.8L) SOHC Mazda	1972-1978	11	Cyclone	428 CID (7.0L) Cobra Jet	1968-1969	86
Courier	122 CID (2.0L) SOHC Mazda	1979-1982	11	Cyclone	429 CID (7.0L) Thunder Jet	1969-1971	90
Courier	140 CID (2.3L) SOHC	1977-1982	24	Cyclone	429 CID (7.0L) Special	1969-1970	90
Crestline	215 CID (3.5L)	1952-1953	44				
Crestline	223 CID (3.7L)	1954	45				
Crestline	239 CID (3.9L) L-Head	1950-1954	64				
Crestline	239 CID (3.9L) OHV	1954	65				
Crestline	256 CID (4.2L)	1954	65				

FORD (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Cyclone	429 CID (7.0L) Cobra Jet	1970-1971	90	Econoline E300	240 CID (4.0L) OHV	1969-1974	51
Cyclone	429 CID (7.0L) Super Cobra Jet	1971	90	Econoline E300	302 CID (5.0L)	1969-1974	63
Del Rio	352 CID (5.8L)	1958	85	Econoline E350	300 CID (4.9L)	1975-1996	56
Deluxe	221 CID (3.6L)	1938-1942	62	Econoline E350	300 CID (4.9L)	1983-1984	56
Deluxe	239 CID (3.9L) L-Head	1946-1951	64	Econoline E350	330 CID (5.4L) Triton SOHC	1997-1998	71
E100 Pickup	144 CID (2.4L)	1961-1964	30		Ford Windsor		
E100 Pickup	170 CID (2.8L)	1964-1967	36	Econoline E350	330 CID (5.4L) Triton SOHC	1997-1998	71
E100 Pickup	240 CID (4.0L) OHV	1967	51		Ford Windsor		
E100 Station Bus	144 CID (2.4L)	1961-1964	30	Econoline E350	330 CID (5.4L) Triton SOHC	1998	71
E100 Station Bus	170 CID (2.8L)	1962-1965	36		Ford Windsor		
EXP	98 CID (1.6L) SOHC	1982-1985	8	Econoline E350	351 CID (5.8L) 351W Ford	1975-1996	82
EXP	98 CID (1.6L) SOHC High Output	1982-1985	8		Windsor		
EXP	98 CID (1.6L) SOHC	1984-1985	8	Econoline E350	351 CID (5.8L) 351M	1977-1982	83
EXP	116 CID (1.9L) SOHC	1986-1988	13	Econoline E350	400 CID (6.6L) OHV	1980-1981	83
Econoline E100	144 CID (2.4L)	1961-1964	30	Econoline E350	415 CID (6.8L) SOHC Ford	1997-1998	100
Econoline E100	170 CID (2.8L)	1964-1967	36		Windsor		
Econoline E100	240 CID (4.0L) OHV	1967	51	Econoline E350	420 CID (6.9L) Navistar Diesel	1983-1987	95
Econoline E100	300 CID (4.9L)	1974-1982	56	Econoline E350	444 CID (7.3L) Indirect Injection	1988-1994	95
Econoline E100	302 CID (5.0L)	1973-1983	63		Navistar Diesel		
Econoline E100	351 CID (5.8L) 351W Ford	1975-1983	82	Econoline E350	444 CID (7.3L) Indirect Injection	1992-1993	95
	Windsor				Navistar Diesel		
Econoline E100	351 CID (5.8L) 351M	1977-1982	83	Econoline E350	444 CID (7.3L) Indirect Injection	1994	95
Econoline E150	256 CID (4.2L) OHV	1997-2003	50		Turbocharged Navistar Diesel		
Econoline E150	281 CID (4.6L) SOHC	1997-2005	69	Econoline E350	444 CID (7.3L) T444E (Power	1994-1998	98
Econoline E150	281 CID (4.6L) SOHC	1997-1998	71		Stroke) D.I. Turbo Navistar		
Econoline E150	300 CID (4.9L)	1975-1996	56		Diesel		
Econoline E150	300 CID (4.9L)	1990-1996	56	Econoline E350	460 CID (7.5L)	1975-1996	90
Econoline E150	302 CID (5.0L)	1979-1996	63	Econoline E350 Super	330 CID (5.4L) Triton SOHC	1999-2005	71
Econoline E150	330 CID (5.4L) Triton SOHC	1997-2005	71		Ford Windsor		
	Ford Windsor			Econoline E350 Super	330 CID (5.4L) Triton SOHC	1999-2005	71
Econoline E150	330 CID (5.4L) Triton SOHC	1997-1998	71		Ford Windsor		
	Ford Windsor			Econoline E350 Super	330 CID (5.4L) Triton SOHC	1999-2003	71
Econoline E150	351 CID (5.8L) 351W Ford	1975-1996	82		Ford Windsor		
	Windsor			Econoline E350 Super	363 CID/5954CC (6.0L)	2004-2005	88
Econoline E150	351 CID (5.8L) 351M	1977-1982	83		Power-Stroke/VT365 International		
Econoline E200	170 CID (2.8L)	1969-1972	36		Diesel		
Econoline E200	240 CID (4.0L) OHV	1969-1974	51	Econoline E350 Super	415 CID (6.8L) SOHC Ford	1998-2005	100
Econoline E200	302 CID (5.0L)	1969-1974	63		Windsor		
Econoline E250	256 CID (4.2L) OHV	1997-2003	50	Econoline E350 Super	444 CID (7.3L) T444E (Power	1998-2003	98
Econoline E250	281 CID (4.6L) SOHC	1997-2005	69		Stroke) D.I. Turbo Navistar		
Econoline E250	300 CID (4.9L)	1975-1996	56		Diesel		
Econoline E250	300 CID (4.9L)	1990-1996	56	Econoline E350 Super	330 CID (5.4L) Triton SOHC	1999-2005	71
Econoline E250	302 CID (5.0L)	1979-1996	63		Ford Windsor		
Econoline E250	330 CID (5.4L) Triton SOHC	1997-2005	71	Econoline E350 Super	330 CID (5.4L) Triton SOHC	1999-2004	71
	Ford Windsor				Ford Windsor		
Econoline E250	330 CID (5.4L) Triton SOHC	1997-2004	71	Econoline E350 Super	330 CID (5.4L) Triton SOHC	1999-2001	71
	Ford Windsor				Ford Windsor		
Econoline E250	330 CID (5.4L) Triton SOHC	1998-2001	71	Econoline E350 Super	415 CID (6.8L) SOHC Ford	1999-2005	100
	Ford Windsor				Windsor		
Econoline E250	351 CID (5.8L) 351W Ford	1975-1996	82	Econoline E350 Super	444 CID (7.3L) T444E (Power	1999-2003	98
	Windsor				Stroke) D.I. Turbo Navistar		
Econoline E250	351 CID (5.8L) 351M	1977-1982	83		Diesel		
Econoline E250	420 CID (6.9L) Navistar Diesel	1983-1987	95	Econoline E450 Super	363 CID/5954CC (6.0L)	2004-2005	88
Econoline E250	460 CID (7.5L)	1975-1998	90		Power-Stroke/VT365 International		
Econoline E250 Ext.	256 CID (4.2L) OHV	1999-2003	50		Diesel		
Econoline E250 Ext.	330 CID (5.4L) Triton SOHC	1999-2005	71	Econoline E450 Super	415 CID (6.8L) SOHC Ford	1999-2005	100
	Ford Windsor				Windsor		
Econoline E250 Ext.	330 CID (5.4L) Triton SOHC	1999-2004	71	Econoline E450 Super	444 CID (7.3L) T444E (Power	1999-2003	98
	Ford Windsor				Stroke) D.I. Turbo Navistar		
Econoline E250 Super	256 CID (4.2L) OHV	1999-2003	50		Diesel		
	Ford Windsor			Escape	138 CID/2261CC (2.3L) Duratec	2005	16
Econoline E250 Super	330 CID (5.4L) Triton SOHC	1999-2005	71		23 DOHC		
	Ford Windsor			Escape	181 CID/2967CC (3.0L)	2001-2005	33
Econoline E250 Super	330 CID (5.4L) Triton SOHC	1999-2004	71		Duratec/DOHC/24 Valve		
	Ford Windsor			Escape	1989CC (2.0L) Zetec/DOHC/16	2001-2004	19
Econoline E250 Super	330 CID (5.4L) Triton SOHC	1999-2001	71		Valve		
	Ford Windsor			Escort	98 CID (1.6L) SOHC	1981-1985	8
Econoline E250 Super	330 CID (5.4L) Triton SOHC	1999-2001	71		98 CID (1.6L) SOHC High	1982-1985	8
	Ford Windsor				Output		
Econoline E250 Super	330 CID (5.4L) Triton SOHC	1999-2001	71	Escort	98 CID (1.6L) SOHC	1981-1985	8
	Ford Windsor			Escort	112 CID (1.8L) DOHC Mazda	1991-1996	6

FORD (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Escort	116 CID (1.9L) SOHC	1985-1996	13	F100	400 CID (6.6L) OHV	1977-1979	83
Escort	116 CID (1.9L) High Output	1994-1995	12	F100	460 CID (7.5L)	1973-1977	90
Escort	122 CID (2.0L) SOHC Mazda Diesel	1984-1987	18	F150	256 CID (4.2L) OHV	1997-2003	50
Escort	122 CID (2.0L) SOHC	1997-2004	12	F150	281 CID (4.6L) SOHC	1997-2005	69
Escort	1098CC (1.1L) German	1968-1980	3	F150	300 CID (4.9L)	1975-1996	56
Escort	1100CC (1.1L)	1971-1973	3	F150	302 CID (5.0L)	1975-1996	63
Escort	1298CC (1.3L) German	1968-1980	3	F150	330 CID (5.4L) Triton SOHC	1997-2003	71
Escort	1989CC (2.0L) Zetec/DOHC/16 Valve	1998-2003	19	F150	Ford Windsor		
Excursion	330 CID (5.4L) Triton SOHC	2000-2005	71	F150	330 CID (5.4L) Triton SOHC	1999-2003	71
Excursion	Ford Windsor			F150	Ford Windsor		
Excursion	363 CID/5954CC (6.0L)	2003-2005	88	F150	330 CID (5.4L) Triton SOHC	1999-2003	71
Excursion	Power-Stroke/VT365 International Diesel			F150	Ford Windsor		
Excursion	415 CID (6.8L) SOHC Ford Windsor	2000-2005	100	F150	351 CID (5.8L) 351W Ford Windsor	1977-1996	82
Excursion	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	2000-2003	98	F150	351 CID (5.8L) 351M	1977-1981	83
Expedition	281 CID (4.6L) SOHC	1997-2004	69	F150	351 CID (5.8L) High Performance Ford Windsor	1993-1996	84
Expedition	330 CID (5.4L) Triton SOHC	1997-2004	71	F150	360 CID (5.9L)	1975-1976	86
Expedition	Ford Windsor			F150	390 CID (6.4L)	1975-1976	92
Expedition	330 CID (5.4L) Triton SOHC	1998	71	F150	400 CID (6.6L) OHV	1977-1979	83
Explorer	244 CID (4.0L) OHV	1991-2000	52	F150	460 CID (7.5L)	1975-1979	90
Explorer	244 CID (4.0L) SOHC	1997-2005	53	F150 Heritage	256 CID (4.2L) OHV	2004	50
Explorer	244 CID (4.0L) SOHC	2002-2005	53	F150 SuperCrew	281 CID (4.6L) SOHC	2001-2005	69
Explorer	281 CID (4.6L) SOHC	2002-2005	69	F150 SuperCrew	330 CID (5.4L) Triton SOHC	2001-2003	71
Explorer	302 CID (5.0L)	1996-2001	63		Ford Windsor		
Explorer Sport Trac	244 CID (4.0L) SOHC	2001-2002	53	F250	215 CID (3.5L)	1953	44
F1	215 CID (3.5L)	1952	44	F250	223 CID (3.7L)	1954-1964	45
F1	226 CID (3.7L) L-Head	1948-1951	47	F250	239 CID (3.9L) L-Head	1953	64
F1	239 CID (3.9L) L-Head	1948-1952	64	F250	239 CID (3.9L) OHV	1954-1955	65
F2	215 CID (3.5L)	1952	44	F250	240 CID (4.0L) OHV	1965-1971	51
F2	226 CID (3.7L) L-Head	1948-1951	47	F250	272 CID (4.5L)	1956-1958	65
F2	239 CID (3.9L) L-Head	1948-1952	64	F250	281 CID (4.6L) SOHC	1997-1999	69
F3	215 CID (3.5L)	1952	44	F250	292 CID (4.8L)	1959-1964	73
F3	226 CID (3.7L) L-Head	1948-1951	47	F250	300 CID (4.9L)	1965-1996	56
F3	239 CID (3.9L) L-Head	1948-1952	64	F250	300 CID (4.9L)	1982-1996	56
F4	239 CID (3.9L) L-Head	1948-1952	64	F250	302 CID (5.0L)	1970-1996	63
F5	239 CID (3.9L) L-Head	1948-1952	64	F250	330 CID (5.4L) Triton SOHC	1997-1999	71
F6	239 CID (3.9L) L-Head	1948-1952	64	F250	Ford Windsor		
F53	460 CID (7.5L)	1989-1995	90	F250	330 CID (5.4L) Triton SOHC	1997-1998	71
F59	444 CID (7.3L) Indirect Injection	1989-1994	95	F250	Ford Windsor		
F59	Navistar Diesel			F250	330 CID (5.4L) Triton SOHC	1998-1999	71
F59	444 CID (7.3L) Indirect Injection	1992-1993	95	F250	330 CID (5.4L) Triton SOHC	1997-1998	71
F59	Navistar Diesel			F250	Ford Windsor		
F59	444 CID (7.3L) Indirect Injection	1994	95	F250	330 CID (5.4L) Triton SOHC	1997-1998	71
F59	Turbocharged Navistar Diesel			F250	Ford Windsor		
F59	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1994	98	F250	330 CID (5.4L) Triton SOHC	1998-1999	71
F100	215 CID (3.5L)	1953	44	F250	Ford Windsor		
F100	223 CID (3.7L)	1954-1964	45	F250	351 CID (5.8L) 351W Ford Windsor	1977-1997	82
F100	232 CID (3.8L)	1982-1983	48	F250	351 CID (5.8L) 351M	1977-1982	83
F100	239 CID (3.9L) L-Head	1953	64	F250	352 CID (5.8L)	1965-1966	85
F100	239 CID (3.9L) OHV	1954-1955	65	F250	360 CID (5.9L)	1968-1976	86
F100	240 CID (4.0L) OHV	1965-1974	51	F250	390 CID (6.4L)	1968-1976	92
F100	255 CID (4.2L)	1981-1982	63	F250	400 CID (6.6L) OHV	1977-1982	83
F100	272 CID (4.5L)	1956-1958	65	F250	420 CID (6.9L) Navistar Diesel	1983-1987	95
F100	292 CID (4.8L)	1959-1964	73	F250	444 CID (7.3L) Indirect Injection	1988-1994	95
F100	300 CID (4.9L)	1965-1982	56	F250	Navistar Diesel		
F100	302 CID (5.0L)	1970-1983	63	F250	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1994-1998	98
F100	351 CID (5.8L) 351W Ford Windsor	1977-1979	82	F250	460 CID (7.5L)	1973-1998	90
F100	351 CID (5.8L) 351M	1977-1982	83	F250 Super Duty	330 CID (5.4L) Triton SOHC	1999-2004	71
F100	352 CID (5.8L)	1965-1966	85	F250 Super Duty	Ford Windsor		
F100	360 CID (5.9L)	1968-1976	86	F250 Super Duty	363 CID/5954CC (6.0L)	2003-2005	88
F100	390 CID (6.4L)	1968-1976	92	F250 Super Duty	Power-Stroke/VT365 International Diesel		
				F250 Super Duty	415 CID (6.8L) SOHC Ford Windsor	1999-2004	100
				F250 Super Duty	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1999-2003	98
				F350	215 CID (3.5L)	1953	44
				F350	223 CID (3.7L)	1954-1964	45

FORD (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
F350	239 CID (3.9L) L-Head	1953	64	F650 Super Duty	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2003-2005	88
F350	239 CID (3.9L) OHV	1954-1955	65				
F350	240 CID (4.0L) OHV	1965-1971	51	F650 Super Duty	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	2000-2002	98
F350	272 CID (4.5L)	1956-1958	65				
F350	292 CID (4.8L)	1959-1964	73	F700	256 CID (4.2L)	1954-1955	65
F350	300 CID (4.9L)	1965-1996	56	F700	272 CID (4.5L)	1956-1958	65
F350	351 CID (5.8L) 351W Ford Windsor	1977-1998	82	F700	292 CID (4.8L)	1959-1964	73
F350	351 CID (5.8L) 351M	1977-1982	83	F700	330 CID (5.4L) OHV	1964-1972	77
F350	352 CID (5.8L)	1965-1966	85	F700	359 CID (5.9L) OHV	1974-1975	86
F350	360 CID (5.9L)	1968-1976	86	F700	361 CID (5.9L) OHV	1964-1978	77
F350	390 CID (6.4L)	1968-1976	92	F700	370 CID (6.1L) OHV	1979-1990	90
F350	400 CID (6.6L) OHV	1977-1982	83	F700	389 CID (6.4L) OHV	1975-1978	86
F350	420 CID (6.9L) Navistar Diesel	1983-1987	95	F700	429 CID (7.0L) OHV	1979-1998	90
F350	444 CID (7.3L) Indirect Injection Navistar Diesel	1988-1994	95	F700	429 CID (7.0L) OHV	1990-1998	90
F350	444 CID (7.3L) Indirect Injection Navistar Diesel	1992-1993	95	F750	272 CID (4.5L)	1953-1955	65
F350	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1994-1998	98	F750	279 CID (4.6L) OHV	1953-1955	66
F350	460 CID (7.5L)	1973-1998	90	F750	302 CID (5.0L) OHV	1956-1963	75
F350 Super Duty	330 CID (5.4L) Triton SOHC Ford Windsor	1999-2004	71	F750	359 CID (5.9L) OHV	1974-1975	86
F350 Super Duty	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2003-2005	88	F750	361 CID (5.9L) OHV	1964-1977	77
F350 Super Duty	415 CID (6.8L) SOHC Ford Windsor	1999-2005	100	F750	389 CID (6.4L) OHV	1975-1977	86
F350 Super Duty	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1999-2003	98	F750	391 CID (6.4L) OHV	1964-1974	77
F450 Super Duty	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2003-2005	88	F750 Super Duty	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2003-2005	88
F450 Super Duty	415 CID (6.8L) SOHC Ford Windsor	1999-2004	100	F750 Super Duty	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	2000-2002	98
F450 Super Duty	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1999-2003	98	F800	317 CID (5.2L)	1953-1955	66
F500	215 CID (3.5L)	1953	44	F800	332 CID (5.4L)	1956-1963	78
F500	223 CID (3.7L)	1954-1964	45	F800	361 CID (5.9L) OHV	1964-1969	77
F500	239 CID (3.9L) L-Head	1953	64	F800	370 CID (6.1L) OHV	1979-1987	90
F500	239 CID (3.9L) OHV	1954-1955	65	F800	389 CID (6.4L) OHV	1978	86
F500	240 CID (4.0L) OHV	1965-1974	51	F800	391 CID (6.4L) OHV	1964-1969	77
F500	292 CID (4.8L)	1959-1964	73	F800	429 CID (7.0L) OHV	1979-1991	90
F500	300 CID (4.9L)	1965-1977	56	F800	475 CID (7.8L)	1978-1979	93
F500	330 CID (5.4L) OHV	1964-1977	77	F850	401 CID (6.6L)	1958-1969	93
F550 Super Duty	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2003-2005	88	F850	477 CID (7.8L)	1958-1969	93
F550 Super Duty	415 CID (6.8L) SOHC Ford Windsor	1999-2004	100	F880	475 CID (7.8L)	1975-1977	93
F550 Super Duty	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1999-2003	98	F900	317 CID (5.2L)	1953-1955	66
F600	239 CID (3.9L) L-Head	1953	64	F900	332 CID (5.4L)	1956-1958	78
F600	239 CID (3.9L) OHV	1954-1955	65	F950	401 CID (6.6L)	1958-1969	93
F600	256 CID (4.2L)	1954-1955	65	F950	477 CID (7.8L)	1960-1969	93
F600	262 CID (4.3L) OHV	1961-1962	55	F1000	477 CID (7.8L)	1958-1969	93
F600	272 CID (4.5L)	1956-1958	65	F1000	534 CID (8.8L)	1960-1969	93
F600	292 CID (4.8L)	1959-1964	73	F1100	477 CID (7.8L)	1958-1965	93
F600	300 CID (4.9L)	1968-1979	56	F1100	534 CID (8.8L)	1960-1965	93
F600	330 CID (5.4L) OHV	1965-1979	77	F6000	401 CID (6.6L) Brazilian - Turbo Diesel	1986-1994	60
F600	359 CID (5.9L) OHV	1974-1975	86	F6000	522 CID (8.6L) V150 Caterpillar Diesel	1968-1971	99
F600	361 CID (5.9L) OHV	1964-1978	77	F7000	401 CID (6.6L) Brazilian - Turbo Diesel	1987-1993	60
F600	370 CID (6.1L) OHV	1979-1987	90	F7000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1993	60
F600	429 CID (7.0L) OHV	1989-1994	90	F7000	522 CID (8.6L) V175 Caterpillar Diesel	1968-1975	99
F600	429 CID (7.0L) OHV	1990-1994	90	F7000	573 CID (9.4L) V200 Caterpillar Diesel	1968-1975	99
				F8000	401 CID (6.6L) Brazilian - Turbo Diesel	1987-1993	60
				F8000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1993	60
				F-Super Duty	444 CID (7.3L) Indirect Injection Navistar Diesel	1988-1994	95
				F-Super Duty	444 CID (7.3L) Indirect Injection Navistar Diesel	1992-1993	95

FORD (Cont.)

MODEL DATA (Cont.)							
Model	Engine	Years	Block	Model	Engine	Years	Block
F-Super Duty	444 CID (7.3L) Indirect Injection Turbocharged Navistar Diesel	1994	95	Focus	138 CID/2261CC (2.3L) Duratec 23 DOHC	2005	16
F-Super Duty	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1994-1997	98	Focus	1989CC (2.0L) Zetec/DOHC/16 Valve	2000-2004	19
F-Super Duty	460 CID (7.5L)	1988-1997	90	Freestar	238 CID (3.9L) OHV	2004-2005	50
FT800	370 CID (6.1L) OHV	1983-1987	90	Freestar	256 CID (4.2L) OHV	2004-2005	50
FT800	429 CID (7.0L) OHV	1983-1990	90	GT	1298CC (1.3L) German	1971-1973	3
FT9000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1995	60	Galaxie	352 CID (5.8L)	1959-1963	85
Fairlane	170 CID (2.8L)	1963-1969	36	Galaxie	427 CID (7.0L) High Performance	1963	96
Fairlane	200 CID (3.3L) OHV	1963-1969	43	Galaxie	427 CID (7.0L) Super High Output	1963	97
Fairlane	221 CID (3.6L)	1962-1963	63	Galaxie 500	223 CID (3.7L)	1962-1964	45
Fairlane	223 CID (3.7L)	1955-1964	45	Galaxie 500	240 CID (4.0L) OHV	1965-1972	51
Fairlane	260 CID (4.3L)	1963-1964	63	Galaxie 500	289 CID (4.7L)	1963-1967	72
Fairlane	272 CID (4.5L)	1955-1956	65	Galaxie 500	292 CID (4.8L)	1962	73
Fairlane	289 CID (4.7L)	1964-1968	72	Galaxie 500	302 CID (5.0L)	1968-1972	63
Fairlane	292 CID (4.8L)	1955-1962	73	Galaxie 500	351 CID (5.8L) 351W Ford Windsor	1969-1974	82
Fairlane	302 CID (5.0L)	1968-1969	63	Galaxie 500	351 CID (5.8L) 351C Ford Cleveland	1971-1974	81
Fairlane	312 CID (5.1L)	1956	76	Galaxie 500	390 CID (6.4L)	1962-1970	92
Fairlane	312 CID (5.1L)	1957	76	Galaxie 500	400 CID (6.6L) OHV	1971-1974	83
Fairlane	332 CID (5.4L)	1958-1959	79	Galaxie 500	427 CID (7.0L) High Performance	1963-1968	96
Fairlane	351 CID (5.8L) 351W Ford Windsor	1969	82	Galaxie 500	427 CID (7.0L) Super High Output	1963-1967	97
Fairlane	352 CID (5.8L)	1958-1967	85	Galaxie 500	428 CID (7.0L) Thunderbird	1966-1968	86
Fairlane	390 CID (6.4L)	1961-1969	92	Galaxie 500	429 CID (7.0L) Thunder Jet	1969-1973	90
Fairlane	428 CID (7.0L) Cobra Jet	1969	86	Gran Torino	250 CID (4.1L)	1972-1974	54
Fairlane 500	170 CID (2.8L)	1961-1970	36	Gran Torino	302 CID (5.0L)	1972-1976	63
Fairlane 500	200 CID (3.3L) OHV	1963-1970	43	Gran Torino	351 CID (5.8L) 351W Ford Windsor	1972-1976	82
Fairlane 500	221 CID (3.6L)	1962-1963	63	Gran Torino	351 CID (5.8L) 351C Ford Cleveland	1972-1974	81
Fairlane 500	223 CID (3.7L)	1957-1964	45	Gran Torino	351 CID (5.8L) High Output Ford Cleveland	1972	81
Fairlane 500	250 CID (4.1L)	1969-1970	54	Gran Torino	351 CID (5.8L) Cobra Jet Ford Cleveland	1973-1974	81
Fairlane 500	260 CID (4.3L)	1963-1964	63	Gran Torino	351 CID (5.8L) 351M	1975-1976	83
Fairlane 500	272 CID (4.5L)	1957	65	Gran Torino	400 CID (6.6L) OHV	1972-1976	83
Fairlane 500	289 CID (4.7L)	1963-1968	72	Gran Torino	460 CID (7.5L)	1973-1976	90
Fairlane 500	292 CID (4.8L)	1957-1961	73	Granada	140 CID (2.3L) SOHC	1981-1982	24
Fairlane 500	302 CID (5.0L)	1969-1970	63	Granada	200 CID (3.3L) OHV	1975-1982	43
Fairlane 500	312 CID (5.1L)	1957	76	Granada	232 CID (3.8L)	1982	48
Fairlane 500	332 CID (5.4L)	1958-1959	79	Granada	250 CID (4.1L)	1975-1979	54
Fairlane 500	351 CID (5.8L) 351W Ford Windsor	1969-1970	82	Granada	255 CID (4.2L)	1980	63
Fairlane 500	351 CID (5.8L) 351C Ford Cleveland	1970	81	Granada	302 CID (5.0L)	1975-1980	63
Fairlane 500	352 CID (5.8L)	1958-1967	85	Granada	351 CID (5.8L) 351W Ford Windsor	1975-1977	82
Fairlane 500	390 CID (6.4L)	1961-1969	92	Granada	351 CID (5.8L) 351M	1975-1977	83
Fairmont	140 CID (2.3L) SOHC	1978-1982	24	Granada	2551CC (2.6L) German	1975-1976	35
Fairmont	200 CID (3.3L) OHV	1978-1982	43	Grand Marquis	281 CID (4.6L) SOHC	1992-2005	69
Fairmont	255 CID (4.2L)	1980-1982	63	Grand Marquis	302 CID (5.0L)	1980-1991	63
Fairmont	302 CID (5.0L)	1978-1979	63	Grand Marquis	351 CID (5.8L) 351W Ford Windsor	1979-1986	82
Falcon	144 CID (2.4L)	1960-1964	30	Grand Marquis	400 CID (6.6L) OHV	1975-1978	83
Falcon	170 CID (2.8L)	1961-1970	36	Grand Marquis	460 CID (7.5L)	1975-1978	90
Falcon	200 CID (3.3L) OHV	1965-1970	43	H1000	401 CID (6.6L)	1961-1964	93
Falcon	250 CID (4.1L)	1970	54	H1000	477 CID (7.8L)	1961-1966	93
Falcon	260 CID (4.3L)	1963-1965	63	H1000	534 CID (8.8L)	1961-1966	93
Falcon	289 CID (4.7L)	1965-1968	72	HT850	401 CID (6.6L)	1961-1962	93
Falcon	302 CID (5.0L)	1968-1970	63	HT850	477 CID (7.8L)	1961-1962	93
Falcon	351 CID (5.8L) 351W Ford Windsor	1970	82	HT850	534 CID (8.8L)	1961-1962	93
Falcon	351 CID (5.8L) 351C Ford Cleveland	1970	81	HT950	401 CID (6.6L)	1961-1966	93
Festiva	81 CID (1.3L) SOHC Mazda	1988-1993	4	HT950	477 CID (7.8L)	1961-1966	93
Fiesta	1599CC (1.6L) OHV	1978-1980	10	HT950	534 CID (8.8L)	1961-1966	93
Focus	121 CID (2.0L) Duratec 20 DOHC	2005	16	L800	359 CID (5.9L) OHV	1974-1975	86
Focus	121 CID (2.0L) Duratec 20E PZEV	2005	16	L800	361 CID (5.9L) OHV	1971-1978	77
Focus	122 CID (2.0L) SOHC	2000-2004	12				
Focus	138 CID/2256CC (2.3L) PZEV DOHC 16 Valve	2004	16				

FORD (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
L800	370 CID (6.1L) OHV	1979-1984	90	LNT800	391 CID (6.4L) OHV	1970-1974	77
L800	389 CID (6.4L) OHV	1975-1978	86	LNT800	429 CID (7.0L) OHV	1979-1984	90
L800	391 CID (6.4L) OHV	1971-1974	77	LNT800	475 CID (7.8L)	1975-1979	93
L800	429 CID (7.0L) OHV	1979-1984	90	LNT880	475 CID (7.8L)	1973-1977	93
L800	475 CID (7.8L)	1975-1979	93	LNT900	401 CID (6.6L)	1971-1975	93
L900	401 CID (6.6L)	1970-1975	93	LNT900	477 CID (7.8L)	1971-1981	93
L900	477 CID (7.8L)	1970-1981	93	LNT900	534 CID (8.8L)	1971-1981	93
L900	534 CID (8.8L)	1970-1981	93	LNT8000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1993	60
L8000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1993	60	LNT8000	522 CID (8.6L) V175 Caterpillar Diesel	1968-1975	99
L8000	573 CID (9.4L) V200 Caterpillar Diesel	1968-1975	99	LNT8000	573 CID (9.4L) V200 Caterpillar Diesel	1968-1975	99
L8000	636 CID (10.4L) V225 Caterpillar Diesel	1970-1976	99	LNT8000	636 CID (10.4L) V225 Caterpillar Diesel	1970-1976	99
L9000	474 CID (7.8L) Brazilian - Turbo Diesel	1988-1991	60	LS8000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1993	60
LA8000	474 CID (7.8L) Brazilian - Turbo Diesel	1990-1993	60	LS	181 CID/2967CC (3.0L) DOHC 24 VALVE Lincoln	2000-2005	33
LN500	300 CID (4.9L)	1970-1971	56	LT800	330 CID (5.4L) OHV	1970-1971	77
LN500	330 CID (5.4L) OHV	1970-1971	77	LT800	359 CID (5.9L) OHV	1974-1975	86
LN600	300 CID (4.9L)	1970-1974	56	LT800	361 CID (5.9L) OHV	1970-1974	77
LN600	330 CID (5.4L) OHV	1970-1978	77	LT800	370 CID (6.1L) OHV	1979-1984	90
LN600	359 CID (5.9L) OHV	1974-1975	86	LT800	389 CID (6.4L) OHV	1975-1978	86
LN600	361 CID (5.9L) OHV	1970-1978	77	LT800	391 CID (6.4L) OHV	1970-1974	77
LN600	370 CID (6.1L) OHV	1979-1985	90	LT800	429 CID (7.0L) OHV	1979-1984	90
LN700	330 CID (5.4L) OHV	1970-1974	77	LT800	475 CID (7.8L)	1975-1979	93
LN700	359 CID (5.9L) OHV	1974-1975	86	LT880	475 CID (7.8L)	1975-1977	93
LN700	361 CID (5.9L) OHV	1970-1978	77	LT900	401 CID (6.6L)	1971-1975	93
LN700	370 CID (6.1L) OHV	1979-1985	90	LT900	477 CID (7.8L)	1971-1981	93
LN700	389 CID (6.4L) OHV	1975-1978	86	LT900	534 CID (8.8L)	1971-1981	93
LN700	429 CID (7.0L) OHV	1979-1985	90	LT8000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1993	60
LN750	359 CID (5.9L) OHV	1974-1975	86	LT8000	522 CID (8.6L) V175 Caterpillar Diesel	1968-1975	99
LN750	361 CID (5.9L) OHV	1970-1977	77	LT8000	573 CID (9.4L) V200 Caterpillar Diesel	1968-1975	99
LN750	389 CID (6.4L) OHV	1975-1977	86	LT8000	636 CID (10.4L) V225 Caterpillar Diesel	1970-1976	99
LN750	391 CID (6.4L) OHV	1970-1974	77	LTD	140 CID (2.3L) SOHC	1983-1986	24
LN800	359 CID (5.9L) OHV	1974-1975	86	LTD	140 CID (2.3L) SOHC	1984-1985	15
LN800	361 CID (5.9L) OHV	1970-1978	77	LTD	200 CID (3.3L) OHV	1983	43
LN800	370 CID (6.1L) OHV	1979-1984	90	LTD	232 CID (3.8L)	1983-1986	48
LN800	389 CID (6.4L) OHV	1975-1978	86	LTD	255 CID (4.2L)	1981-1982	63
LN800	391 CID (6.4L) OHV	1970-1974	77	LTD	289 CID (4.7L)	1967-1968	72
LN800	429 CID (7.0L) OHV	1979-1984	90	LTD	302 CID (5.0L)	1968-1982	63
LN800	475 CID (7.8L)	1975-1979	93	LTD	302 CID (5.0L) High Output	1984-1985	63
LN900	401 CID (6.6L)	1970-1975	93	LTD	351 CID (5.8L) 351W Ford Windsor	1969-1983	82
LN900	477 CID (7.8L)	1970-1981	93	LTD	351 CID (5.8L) 351C Ford Cleveland	1971-1974	81
LN900	534 CID (8.8L)	1970-1981	93	LTD	351 CID (5.8L) 351M	1975-1979	83
LN6000	522 CID (8.6L) V150 Caterpillar Diesel	1968-1971	99	LTD	390 CID (6.4L)	1967-1970	92
LN6000	522 CID (8.6L) V175 Caterpillar Diesel	1968-1975	99	LTD	400 CID (6.6L) OHV	1971-1978	83
LN7000	401 CID (6.6L) Brazilian - Turbo Diesel	1987-1990	60	LTD	429 CID (7.0L) Thunder Jet	1969-1973	90
LN7000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1988	60	LTD	460 CID (7.5L)	1969-1978	90
LN8000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1993	60	LTD Country Squire	302 CID (5.0L)	1983-1991	63
LN8000	522 CID (8.6L) V175 Caterpillar Diesel	1968-1975	99	LTD II	302 CID (5.0L)	1977-1979	63
LN8000	573 CID (9.4L) V200 Caterpillar Diesel	1968-1975	99	LTD II	351 CID (5.8L) 351W Ford Windsor	1977-1979	82
LN8000	636 CID (10.4L) V225 Caterpillar Diesel	1970-1976	99	LTD II	351 CID (5.8L) 351M	1977-1979	83
LN-7	98 CID (1.6L) SOHC	1982-1983	8	LTD II	400 CID (6.6L) OHV	1977-1978	83
LN-7	98 CID (1.6L) SOHC High Output	1983	8	LTS800	330 CID (5.4L) OHV	1971	77
LNT800	330 CID (5.4L) OHV	1970-1971	77	LTS800	359 CID (5.9L) OHV	1974-1975	86
LNT800	359 CID (5.9L) OHV	1974-1975	86	LTS800	361 CID (5.9L) OHV	1971-1974	77
LNT800	361 CID (5.9L) OHV	1970-1974	77	LTS800	370 CID (6.1L) OHV	1979-1983	90
LNT800	370 CID (6.1L) OHV	1979-1984	90	LTS800	389 CID (6.4L) OHV	1975-1978	86
LNT800	389 CID (6.4L) OHV	1975-1978	86	LTS800	391 CID (6.4L) OHV	1971-1974	77

FORD (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
LTS800	429 CID (7.0L) OHV	1979-1983	90	Marquis	428 CID (7.0L) Cobra Jet	1967-1969	86
LTS800	475 CID (7.8L)	1975-1979	93	Marquis	429 CID (7.0L) Thunder Jet	1969-1973	90
LTS900	401 CID (6.6L)	1971-1975	93	Marquis	429 CID (7.0L) Super Cobra Jet	1971	90
LTS900	477 CID (7.8L)	1971-1981	93	Marquis	460 CID (7.5L)	1972-1978	90
LTS900	534 CID (8.8L)	1971-1981	93	Maverick	170 CID (2.8L)	1969-1973	36
LTS8000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1993	60	Maverick	200 CID (3.3L) OHV	1969-1977	43
LTS8000	522 CID (8.6L) V175 Caterpillar Diesel	1968-1975	99	Maverick	250 CID (4.1L)	1969-1977	54
LTS8000	573 CID (9.4L) V200 Caterpillar Diesel	1968-1975	99	Maverick	302 CID (5.0L)	1969-1977	63
LTS8000	636 CID (10.4L) V225 Caterpillar Diesel	1970-1976	99	Medalist	312 CID (5.1L)	1956	76
Lynx	98 CID (1.6L) SOHC	1981-1985	8	Mercury	239 CID (3.9L) L-Head	1939-1948	64
Lynx	98 CID (1.6L) SOHC High Output	1983-1985	8	Mercury	255 CID (4.2L) L-Head	1949-1951	64
Lynx	98 CID (1.6L) SOHC	1984	8	Meteor	170 CID (2.8L)	1962-1963	36
Lynx	116 CID (1.9L) SOHC	1985-1987	13	Meteor	200 CID (3.3L) OHV	1963	43
Lynx	122 CID (2.0L) SOHC Mazda Diesel	1984-1987	18	Meteor	221 CID (3.6L)	1962-1963	63
M400	360 CID (5.9L)	1972-1976	86	Meteor	223 CID (3.7L)	1961	45
M400	390 CID (6.4L)	1972-1976	92	Meteor	260 CID (4.3L)	1962-1963	63
M450	360 CID (5.9L)	1973-1976	86	Meteor	292 CID (4.8L)	1961	73
M450	390 CID (6.4L)	1973-1976	92	Model 01A	221 CID (3.6L)	1940	62
M450	460 CID (7.5L)	1973-1976	90	Model 11A	221 CID (3.6L)	1941	62
M500	390 CID (6.4L)	1972-1976	92	Model 022A	221 CID (3.6L)	1940	62
Mainline	215 CID (3.5L)	1952-1953	44	Model 78	221 CID (3.6L)	1937	62
Mainline	223 CID (3.7L)	1954-1956	45	Model 81A	221 CID (3.6L)	1938	62
Mainline	239 CID (3.9L) L-Head	1952-1953	64	Model 82A	221 CID (3.6L)	1938	62
Mainline	239 CID (3.9L) OHV	1954	65	Model 91A	221 CID (3.6L)	1939	62
Mainline	256 CID (4.2L)	1954	65	Model 922A	221 CID (3.6L)	1939	62
Mainline	272 CID (4.5L)	1955-1956	65	Monarch	200 CID (3.3L) OHV	1975-1977	43
Mainline	292 CID (4.8L)	1955	73	Monarch	250 CID (4.1L)	1975-1979	54
Mainline	312 CID (5.1L)	1956	76	Monarch	255 CID (4.2L)	1980	63
Marauder	390 CID (6.4L)	1963-1965	92	Monarch	302 CID (5.0L)	1975-1980	63
Marauder	406 CID (6.7L)	1963	94	Monarch	351 CID (5.8L) 351W Ford Windsor	1975-1977	82
Marauder	427 CID (7.0L) High Performance	1964	96	Monarch	351 CID (5.8L) 351M	1975-1977	83
Marauder	427 CID (7.0L) Super High Output	1964-1965	97	Montclair	292 CID (4.8L)	1955	73
Marauder	429 CID (7.0L) Thunder Jet	1969-1970	90	Montclair	312 CID (5.1L)	1956-1957	76
Marauder X-100	429 CID (7.0L) Thunder Jet	1969-1970	90	Montclair	368 CID (6.0L)	1957	89
Mariner	138 CID/2261CC (2.3L) PZEV DOHC 16 Valve	2005	16	Montclair	383 CID (6.3L)	1958	91
Mark III	460 CID (7.5L)	1969-1971	90	Montclair	430 CID (7.0L)	1958-1960	91
Mark IV	460 CID (7.5L)	1972-1976	90	Montego	200 CID (3.3L) OHV	1968	43
Mark V	400 CID (6.6L) OHV	1977-1979	83	Montego	250 CID (4.1L)	1969-1973	54
Mark V	460 CID (7.5L)	1977-1978	90	Montego	302 CID (5.0L)	1968-1973	63
Mark VI	302 CID (5.0L)	1980-1982	63	Montego	351 CID (5.8L) 351W Ford Windsor	1969-1976	82
Mark VI	351 CID (5.8L) 351W Ford Windsor	1980-1983	82	Montego	351 CID (5.8L) 351C Ford Cleveland	1970-1974	81
Mark VII	149 CID (2.4L) BMW Diesel	1984-1985	31	Montego	351 CID (5.8L) Cobra Jet Ford Cleveland	1973-1974	81
Mark VII	302 CID (5.0L)	1984-1986	63	Montego	351 CID (5.8L) 351M	1975-1976	83
Mark VII	302 CID (5.0L) High Output	1985-1992	63	Montego	390 CID (6.4L)	1968-1969	92
Mark VIII	281 CID (4.6L) DOHC	1993-1998	67	Montego	400 CID (6.6L) OHV	1972-1976	83
Marquis	140 CID (2.3L) SOHC	1983-1986	24	Montego	427 CID (7.0L) High Performance	1968	96
Marquis	140 CID (2.3L) SOHC	1984-1985	15	Montego	428 CID (7.0L) Cobra Jet	1968-1969	86
Marquis	200 CID (3.3L) OHV	1983	43	Montego	429 CID (7.0L) Thunder Jet	1969-1973	90
Marquis	232 CID (3.8L)	1983-1986	48	Montego	429 CID (7.0L) Cobra Jet	1970-1971	90
Marquis	255 CID (4.2L)	1981-1982	63	Montego	429 CID (7.0L) Super Cobra Jet	1971	90
Marquis	302 CID (5.0L)	1979-1982	63	Montego	460 CID (7.5L)	1974-1976	90
Marquis	351 CID (5.8L) 351W Ford Windsor	1975-1982	82	Montego MX	200 CID (3.3L) OHV	1968	43
Marquis	351 CID (5.8L) 351M	1975-1978	83	Montego MX	250 CID (4.1L)	1969-1973	54
Marquis	390 CID (6.4L)	1967-1969	92	Montego MX	302 CID (5.0L)	1968-1969	63
Marquis	400 CID (6.6L) OHV	1971-1978	83	Montego MX	351 CID (5.8L) 351W Ford Windsor	1969-1976	82
Marquis	410 CID (6.7L)	1967	86	Montego MX	351 CID (5.8L) 351C Ford Cleveland	1970-1974	81
Marquis	427 CID (7.0L) High Performance	1967	96	Montego MX	351 CID (5.8L) Cobra Jet Ford Cleveland	1973-1974	81
				Montego MX	351 CID (5.8L) 351M	1975-1976	83
				Montego MX	390 CID (6.4L)	1968-1969	92
				Montego MX	400 CID (6.6L) OHV	1972-1976	83

FORD (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Montego MX	427 CID (7.0L) High Performance	1968	96	Mustang	302 CID (5.0L) High Output	1982-1995	63
Montego MX	428 CID (7.0L) Cobra Jet	1968-1969	86	Mustang	351 CID (5.8L) 351W Ford Windsor	1969-1973	82
Montego MX	429 CID (7.0L) Thunder Jet	1969-1973	90	Mustang	351 CID (5.8L) 351C Ford Cleveland	1970-1973	81
Montego MX	429 CID (7.0L) Cobra Jet	1970-1971	90	Mustang	351 CID (5.8L) Boss Ford Cleveland	1971	81
Montego MX	429 CID (7.0L) Super Cobra Jet	1971	90	Mustang	351 CID (5.8L) High Output Ford Cleveland	1972	81
Montego MX	460 CID (7.5L)	1974-1976	90	Mustang	351 CID (5.8L) High Output Cobra	1995	84
Montego MX Brougham	250 CID (4.1L)	1970-1973	54	Mustang	390 CID (6.4L)	1967	92
Montego MX Brougham	302 CID (5.0L)	1971-1974	63	Mustang	427 CID (7.0L) High Performance	1968	96
Montego MX Brougham	351 CID (5.8L) 351W Ford Windsor	1970-1976	82	Mustang	428 CID (7.0L) Cobra Jet	1968-1970	86
Montego MX Brougham	351 CID (5.8L) 351C Ford Cleveland	1970-1974	81	Mustang	428 CID (7.0L) Super Cobra Jet	1969-1970	86
Montego MX Brougham	351 CID (5.8L) Cobra Jet Ford Cleveland	1973	81	Mustang	429 CID (7.0L) Boss	1969-1970	90
Montego MX Brougham	351 CID (5.8L) 351M	1975-1976	83	Mustang	429 CID (7.0L) Cobra Jet	1971	90
Montego MX Brougham	400 CID (6.6L) OHV	1972-1976	83	Mustang	429 CID (7.0L) Super Cobra Jet	1971	90
Montego MX Brougham	429 CID (7.0L) Thunder Jet	1970-1973	90	Mystique	1989CC (2.0L) Zetec/DOHC/16 Valve	1995-2000	19
Montego MX Brougham	429 CID (7.0L) Cobra Jet	1970-1971	90	N500	223 CID (3.7L)	1963-1964	45
Montego MX Brougham	429 CID (7.0L) Super Cobra Jet	1971	90	N500	240 CID (4.0L) OHV	1965-1969	51
Montego MX Brougham	460 CID (7.5L)	1975-1976	90	N500	292 CID (4.8L)	1963-1964	73
Monterey	223 CID (3.7L)	1962	45	N500	300 CID (4.9L)	1965-1969	56
Monterey	255 CID (4.2L) L-Head	1950-1953	64	N500	330 CID (5.4L) OHV	1965-1969	77
Monterey	256 CID (4.2L)	1954	65	N600	223 CID (3.7L)	1963-1964	45
Monterey	256 CID (4.2L) OHV	2004-2005	50	N600	240 CID (4.0L) OHV	1965-1967	51
Monterey	292 CID (4.8L)	1955-1962	73	N600	292 CID (4.8L)	1963	73
Monterey	312 CID (5.1L)	1956-1960	76	N600	300 CID (4.9L)	1965-1969	56
Monterey	351 CID (5.8L) 351W Ford Windsor	1972-1973	82	N600	330 CID (5.4L) OHV	1964-1969	77
Monterey	351 CID (5.8L) 351C Ford Cleveland	1971-1973	81	N600	361 CID (5.9L) OHV	1964-1969	77
Monterey	352 CID (5.8L)	1961-1962	85	N700	292 CID (4.8L)	1963	73
Monterey	368 CID (6.0L)	1957	89	N700	330 CID (5.4L) OHV	1964-1969	77
Monterey	383 CID (6.3L)	1958-1960	91	N700	361 CID (5.9L) OHV	1964-1969	77
Monterey	390 CID (6.4L)	1961-1970	92	N850	401 CID (6.6L)	1963-1969	93
Monterey	400 CID (6.6L) OHV	1971-1974	83	N850	477 CID (7.8L)	1963-1969	93
Monterey	406 CID (6.7L)	1962-1963	94	N950	401 CID (6.6L)	1963-1969	93
Monterey	410 CID (6.7L)	1966-1967	86	N950	477 CID (7.8L)	1963-1969	93
Monterey	427 CID (7.0L) High Performance	1963-1964	96	N1000	332 CID (5.4L)	1963	78
Monterey	427 CID (7.0L) Super High Output	1963-1967	97	N1000	361 CID (5.9L) OHV	1964-1969	77
Monterey	428 CID (7.0L) Thunderbird	1966-1968	86	N1000	391 CID (6.4L) OHV	1964-1969	77
Monterey	428 CID (7.0L) Cobra Jet	1968-1969	86	N1000	477 CID (7.8L)	1963-1969	93
Monterey	429 CID (7.0L) Thunder Jet	1969-1973	90	N1000	534 CID (8.8L)	1963-1969	93
Monterey	429 CID (7.0L) Cobra Jet	1971	90	N6000	330 CID (5.4L) Dagenham Diesel	1963-1966	57
Monterey	430 CID (7.0L)	1958-1960	91	N7000	330 CID (5.4L) Dagenham Diesel	1963-1966	57
Monterey	460 CID (7.5L)	1972-1974	90	NT850	401 CID (6.6L)	1963-1969	93
Mountaineer	244 CID (4.0L) SOHC	1998-2001	53	NT850	477 CID (7.8L)	1963-1969	93
Mountaineer	281 CID (4.6L) SOHC	2002-2005	69	NT950	401 CID (6.6L)	1963-1969	93
Mountaineer	302 CID (5.0L)	1997-2001	63	NT950	477 CID (7.8L)	1963-1969	93
Mustang	140 CID (2.3L) SOHC	1974-1992	24	Navigator	330 CID (5.4L) Triton SOHC Ford Windsor	1998-1999	71
Mustang	140 CID (2.3L) SOHC	1979-1981	15	Navigator	330 CID (5.4L) Triton SOHC Ford Windsor	1998-1999	71
Mustang	140 CID (2.3L) Special Vehicle Operation	1984-1986	15	Navigator	330 CID (5.4L) Triton DOHC Ford Windsor	1999-2001	71
Mustang	170 CID (2.8L)	1965	36	P100	144 CID (2.4L)	1960-1964	30
Mustang	171 CID (2.8L) German	1974-1979	37	P100	170 CID (2.8L)	1961-1967	36
Mustang	200 CID (3.3L) OHV	1965-1981	43	P100	223 CID (3.7L)	1957-1964	45
Mustang	232 CID (3.8L)	1983-2004	48	P100	240 CID (4.0L) OHV	1965-1967	51
Mustang	238 CID (3.9L) OHV	2004	50	P100	300 CID (4.9L)	1965	56
Mustang	250 CID (4.1L)	1969-1973	54	P350	215 CID (3.5L)	1953	44
Mustang	255 CID (4.2L)	1980-1981	63	P350	223 CID (3.7L)	1954-1964	45
Mustang	260 CID (4.3L)	1965	63	P350	239 CID (3.9L) L-Head	1953-1955	64
Mustang	281 CID (4.6L) SOHC	1996-2004	69	P350	240 CID (4.0L) OHV	1965-1972	51
Mustang	281 CID (4.6L) DOHC	1996-2004	67	P350	272 CID (4.5L)	1956-1958	65
Mustang	281 CID (4.6L) DOHC	2003-2004	67	P350	292 CID (4.8L)	1959-1964	73
Mustang	289 CID (4.7L)	1965-1968	72	P350	300 CID (4.9L)	1965-1977	56
Mustang	302 CID (5.0L)	1968-1979	63	P400	223 CID (3.7L)	1957-1964	45
Mustang	302 CID (5.0L) Boss	1969-1971	74				

FORD (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
P400	240 CID (4.0L) OHV	1965-1972	51	Ranger	177 CID (2.9L) OHV	1986-1992	38
P400	272 CID (4.5L)	1957-1958	65	Ranger	183 CID (3.0L) OHV	1990-2005	40
P400	292 CID (4.8L)	1959-1964	73	Ranger	183 CID (3.0L) FFV/OHV	1999-2003	40
P400	300 CID (4.9L)	1965-1976	56	Ranger	223 CID (3.7L)	1959	45
P450	360 CID (5.9L)	1975-1976	86	Ranger	244 CID (4.0L) OHV	1990-2000	52
P500	215 CID (3.5L)	1953	44	Ranger	292 CID (4.8L)	1959	73
P500	223 CID (3.7L)	1954-1964	45	Ranger	332 CID (5.4L)	1959	79
P500	240 CID (4.0L) OHV	1965-1972	51	Ranger	352 CID (5.8L)	1960	85
P500	272 CID (4.5L)	1957-1958	65	Ranger	361 CID (5.9L) Super Express	1958-1959	87
P500	292 CID (4.8L)	1959-1964	73	Roundup	361 CID (5.9L) Super Express	1958	87
P500	300 CID (4.9L)	1965-1977	56	S-55	428 CID (7.0L) Thunderbird	1966	86
P550	390 CID (6.4L)	1975-1976	92	Sable	153 CID (2.5L) High Swirl Combustion	1986	27
P600	300 CID (4.9L)	1975-1979	56	Sable	181 CID/2967CC (3.0L) Duratec/DOHC/24 Valve	1996-2005	33
P3500	159 CID (2.6L) 3-53N Detroit Diesel Diesel	1973-1976	1	Sable	183 CID (3.0L) OHV	1986-2005	40
P3500	220 CID (3.6L) Dagenham Diesel	1963-1966	29	Sable	232 CID (3.8L)	1988-1995	48
P4000	159 CID (2.6L) 3-53N Detroit Diesel Diesel	1973-1976	1	Scorpio	2900CC (2.9L) Merkur	1988-1990	39
P4000	220 CID (3.6L) Dagenham Diesel	1963-1966	29	Super Deluxe	221 CID (3.6L)	1941-1942	62
P5000	220 CID (3.6L) Dagenham Diesel	1963-1966	29	Super Deluxe	239 CID (3.9L) L-Head	1946-1948	64
Pacer	361 CID (5.9L) Super Express	1958	87	Super Wagon E150	300 CID (4.9L)	1978-1982	56
Parklane	390 CID (6.4L)	1964-1968	92	Super Wagon E150	302 CID (5.0L)	1980-1983	63
Parklane	410 CID (6.7L)	1966-1967	86	Super Wagon E150	351 CID (5.8L) 351W Ford Windsor	1978-1983	82
Parklane	427 CID (7.0L) High Performance	1967	96	Super Wagon E150	351 CID (5.8L) 351M	1978-1982	83
Parklane	428 CID (7.0L) Thunderbird	1966-1968	86	Super Wagon E250	300 CID (4.9L)	1978-1979	56
Parklane	430 CID (7.0L)	1958-1960	91	Super Wagon E250	300 CID (4.9L)	1983	56
Pinto	98 CID (1.6L) OHV	1971-1972	7	Super Wagon E250	302 CID (5.0L)	1979	63
Pinto	122 CID (2.0L) SOHC	1971-1974	9	Super Wagon E250	351 CID (5.8L) 351W Ford Windsor	1978-1979	82
Pinto	140 CID (2.3L) SOHC	1974-1979	24	Super Wagon E250	351 CID (5.8L) 351M	1978-1980	83
Pinto	171 CID (2.8L) German	1975-1979	37	Super Wagon E250	400 CID (6.6L) OHV	1980	83
Prefect	997CC (1.0L) OHV	1960-1967	2	Super Wagon E250	420 CID (6.9L) Navistar Diesel	1983	95
Premier	368 CID (6.0L)	1956-1957	89	Super Wagon E250	460 CID (7.5L)	1978-1979	90
Premier	430 CID (7.0L)	1958-1960	91	Super Wagon E350	300 CID (4.9L)	1978-1982	56
Probe	122 CID (2.0L) DOHC Mazda	1993-1997	17	Super Wagon E350	351 CID (5.8L) 351W Ford Windsor	1978-1983	82
Probe	134 CID (2.2L) SOHC Mazda	1989-1992	21	Super Wagon E350	351 CID (5.8L) 351M	1978-1982	83
Probe	134 CID (2.2L) SOHC Mazda	1989-1992	21	Super Wagon E350	420 CID (6.9L) Navistar Diesel	1983	95
Probe	153 CID (2.5L) DOHC Mazda	1993-1997	32	Super Wagon E350	460 CID (7.5L)	1978-1983	90
Probe	183 CID (3.0L) OHV	1990-1992	40	Super Wagon E350	300 CID (4.9L)	1978-1982	56
Ranch Wagon	223 CID (3.7L)	1955-1959	45	Super Wagon E350	351 CID (5.8L) 351W Ford Windsor	1978-1983	82
Ranch Wagon	272 CID (4.5L)	1955-1957	65	T700	272 CID (4.5L)	1957-1958	65
Ranch Wagon	292 CID (4.8L)	1955-1959	73	T700	292 CID (4.8L)	1958-1962	73
Ranch Wagon	312 CID (5.1L)	1956	76	T700	302 CID (5.0L) OHV	1963	75
Ranch Wagon	332 CID (5.4L)	1958-1959	79	T700	330 CID (5.4L) OHV	1964-1966	77
Ranch Wagon	352 CID (5.8L)	1958-1962	85	T750	332 CID (5.4L)	1957-1963	78
Ranchero	200 CID (3.3L) OHV	1966-1968	43	T750	361 CID (5.9L) OHV	1964-1966	77
Ranchero	250 CID (4.1L)	1969-1974	54	T800	332 CID (5.4L)	1957-1963	78
Ranchero	289 CID (4.7L)	1966-1968	72	T800	361 CID (5.9L) OHV	1964-1969	77
Ranchero	302 CID (5.0L)	1969-1974	63	T800	391 CID (6.4L) OHV	1964-1969	77
Ranchero	351 CID (5.8L) 351W Ford Windsor	1969-1979	82	T850	401 CID (6.6L)	1958-1969	93
Ranchero	351 CID (5.8L) 351C Ford Cleveland	1970-1974	81	T850	477 CID (7.8L)	1958-1969	93
Ranchero	351 CID (5.8L) 351M	1975-1979	83	T850	534 CID (8.8L)	1958-1969	93
Ranchero	390 CID (6.4L)	1967-1969	92	T950	401 CID (6.6L)	1958-1969	93
Ranchero	400 CID (6.6L) OHV	1972-1978	83	T950	477 CID (7.8L)	1958-1969	93
Ranchero	428 CID (7.0L) Cobra Jet	1968-1969	86	Taunus	1498CC (1.5L) OHV	1963-1966	5
Ranchero	429 CID (7.0L) Thunder Jet	1970-1973	90	Taunus	1593CC (1.6L) British	1972-1982	9
Ranchero	429 CID (7.0L) Cobra Jet	1970-1973	90	Taunus	1699CC (1.7L) OHV	1963-1971	5
Ranchero	460 CID (7.5L)	1974-1976	90	Taurus	153 CID (2.5L) High Swirl Combustion	1986-1991	27
Ranger	121 CID (2.0L)	1983-1988	15	Taurus	181 CID/2967CC (3.0L) Duratec/DOHC/24 Valve	1996-2005	33
Ranger	134 CID (2.2L) SOHC 8 Valve Mazda Diesel	1983-1984	22	Taurus	183 CID (3.0L) OHV	1986-2005	40
Ranger	140 CID (2.3L) SOHC	1983-1997	24	Taurus	183 CID (3.0L) SHO DOHC Yamaha	1989-1995	41
Ranger	140 CID (2.3L) SOHC Mitsubishi Diesel	1985-1987	25	Taurus	183 CID (3.0L) OHV	1993-2005	40
Ranger	153 CID (2.5L) SOHC	1998-2001	28	Taurus	195 CID (3.2L) SHO DOHC Yamaha	1993-1995	41
Ranger	171 CID (2.8L) German	1983-1986	37	Taurus	207 CID (3.4L) DOHC	1996-1999	61

FORD (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Taurus	232 CID (3.8L)	1988-1995	48	Tracer	116 CID (1.9L) SOHC	1991-1996	13
Tempo	122 CID (2.0L) SOHC Mazda Diesel	1984-1986	18	Tracer	122 CID (2.0L) SOHC	1997-1999	12
Tempo	140 CID (2.3L) High Swirl Combustion	1984-1994	23	Turnpike Cruiser	368 CID (6.0L)	1957	89
Tempo	183 CID (3.0L) OHV	1992-1994	40	Turnpike Cruiser	430 CID (7.0L)	1958	91
Thames Trader	220 CID (3.6L) Dagenham Diesel	1952-1966	29	Versailles	302 CID (5.0L)	1977-1980	63
Thames Trader	330 CID (5.4L) 590E Dagenham Diesel	1957-1966	57	Versailles	351 CID (5.8L) 351W Ford Windsor	1977	82
Thunderbird	140 CID (2.3L) SOHC	1989	24	Villager	200 CID (3.3L) OHV	1966-1967	43
Thunderbird	140 CID (2.3L) SOHC	1983-1988	15	Villager	223 CID (3.7L)	1959	45
Thunderbird	200 CID (3.3L) OHV	1980-1982	43	Villager	289 CID (4.7L)	1966-1967	72
Thunderbird	232 CID (3.8L)	1982-1997	48	Villager	292 CID (4.8L)	1960	73
Thunderbird	232 CID (3.8L)	1989-1995	49	Villager	332 CID (5.4L)	1959	79
Thunderbird	255 CID (4.2L)	1980-1982	63	Villager	352 CID (5.8L)	1960	85
Thunderbird	281 CID (4.6L) SOHC	1994-1997	69	Villager	361 CID (5.9L) Super Express	1958-1959	87
Thunderbird	292 CID (4.8L)	1955	73	Villager	390 CID (6.4L)	1966-1967	92
Thunderbird	302 CID (5.0L)	1977-1988	63	Villager	2960CC (3.0L) VG30E SOHC Nissan	1993-1998	42
Thunderbird	302 CID (5.0L) High Output	1991-1992	63	Villager	3275CC (3.3L) SOHC Nissan	1999-2002	42
Thunderbird	312 CID (5.1L)	1956	76	Voyager	200 CID (3.3L) OHV	1966-1967	43
Thunderbird	312 CID (5.1L)	1957	76	Voyager	289 CID (4.7L)	1966-1967	72
Thunderbird	332 CID (5.4L)	1959	79	Voyager	390 CID (6.4L)	1966-1967	92
Thunderbird	351 CID (5.8L) 351W Ford Windsor	1977-1979	82	Wagon E350 Super Duty	330 CID (5.4L) Triton SOHC Ford Windsor	1999-2005	71
Thunderbird	351 CID (5.8L) 351M	1977-1979	83	Wagon E350 Super Duty	330 CID (5.4L) Triton SOHC Ford Windsor	1999-2004	71
Thunderbird	352 CID (5.8L)	1958-1959	85	Wagon E350 Super Duty	330 CID (5.4L) Triton SOHC Ford Windsor	1999-2001	71
Thunderbird	390 CID (6.4L)	1961-1969	92	Wagon E350 Super Duty	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2004-2005	88
Thunderbird	400 CID (6.6L) OHV	1977-1978	83	Wagon E350 Super Duty	415 CID (6.8L) SOHC Ford Windsor	1999-2005	100
Thunderbird	428 CID (7.0L) Thunderbird	1966-1968	86	Wagon E350 Super Duty	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1999-2003	98
Thunderbird	428 CID (7.0L) Cobra Jet	1966-1968	86	Wagon E350 Super Duty Ext.	330 CID (5.4L) Triton SOHC Ford Windsor	1999-2004	71
Thunderbird	429 CID (7.0L) Thunder Jet	1969-1973	90	Wagon E350 Super Duty Ext.	330 CID (5.4L) Triton SOHC Ford Windsor	1999-2001	71
Thunderbird	460 CID (7.5L)	1972-1976	90	Wagon E350 Super Duty Ext.	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2004	88
Topaz	122 CID (2.0L) SOHC Mazda Diesel	1984-1986	18	Wagon E350 Super Duty Ext.	415 CID (6.8L) SOHC Ford Windsor	1999-2004	100
Topaz	140 CID (2.3L) High Swirl Combustion	1984-1994	23	Wagon E350 Super Duty Ext.	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1999-2003	98
Topaz	183 CID (3.0L) OHV	1992-1994	40	Windstar	183 CID (3.0L) OHV	1995-2000	40
Torino	200 CID (3.3L) OHV	1968-1969	43	Windstar	232 CID (3.8L)	1995-2003	48
Torino	250 CID (4.1L)	1969-1974	54	XR4Ti	140 CID (2.3L) SOHC	1985-1989	15
Torino	289 CID (4.7L)	1968	72	Zephyr	140 CID (2.3L) SOHC	1978-1982	24
Torino	302 CID (5.0L)	1969-1975	63	Zephyr	200 CID (3.3L) OHV	1978-1982	43
Torino	351 CID (5.8L) 351W Ford Windsor	1969-1976	82	Zephyr	255 CID (4.2L)	1980-1982	63
Torino	351 CID (5.8L) 351C Ford Cleveland	1970-1974	81	Zephyr	302 CID (5.0L)	1978-1979	63
Torino	351 CID (5.8L) Cobra Jet Ford Cleveland	1973-1974	81	Zephyr	1993CC (2.0L) OHC	1966-1976	9
Torino	351 CID (5.8L) 351M	1975-1976	83				
Torino	390 CID (6.4L)	1969	92				
Torino	400 CID (6.6L) OHV	1971-1976	83				
Torino	428 CID (7.0L) Cobra Jet	1969	86				
Torino	429 CID (7.0L) Cobra Jet	1971	90				
Torino	460 CID (7.5L)	1973-1976	90				
Town Car	281 CID (4.6L) SOHC	1991-2005	69				
Town Car	302 CID (5.0L)	1981-1990	63				
Town Car	302 CID (5.0L) High Output	1984-1985	63				
Tracer	98 CID (1.6L) SOHC Mazda	1987-1989	6				
Tracer	112 CID (1.8L) DOHC Mazda	1991-1996	6				

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
0CB	3.307in./84mm	52	511	2.625in./66.7mm	34	B5R	3.656in./92.9mm	89	B10	2.500in./63.5mm	30
8BA	3.750in./95.3mm	64	511	2.701in./68.6mm	37	B5R-6200A	3.656in./92.9mm	75	B10	2.938in./74.6mm	36
8BA-6200B	3.750in./95.3mm	64	312716	3.600in./91.4mm	20	B5R-6200A	3.656in./92.9mm	78	B10	3.125in./79.4mm	43
8CM-6200B	3.750in./95.3mm	64	312716	3.600in./91.4mm	26	B5R-6200A	3.656in./92.9mm	89	C0AE	3.500in./88.9mm	85
9N	3.750in./95.3mm	14	B5R	3.500in./88.9mm	66	B9NN-6205A	3.600in./91.4mm	20	C1AE	3.609in./91.7mm	45
9N-6200	3.750in./95.3mm	14	B5R	3.500in./88.9mm	80	B9NN-6205A	3.600in./91.4mm	26	C1AE	3.609in./91.7mm	46
29A-6200	3.750in./95.3mm	64	B5R	3.656in./92.9mm	75	B9TE	3.750in./95.3mm	93	C1AE	4.031in./102.4mm	55
99A-6200	3.750in./95.3mm	64	B5R	3.656in./92.9mm	78	B9TE	4.200in./106.7mm	93	C1AE-6205A	3.500in./88.9mm	85

FORD (Cont.)

CONNECTING ROD FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
C1AE-6205C1	4.031in./102.4mm	55	C3VE-A	3.984in./101.2mm	86	C90E	3.500in./88.9mm	82	EAD	3.656in./92.9mm	78
C1AE-6205D1	3.609in./91.7mm	45	C3VY-6200A	3.984in./101.2mm	86	CODE	2.500in./63.5mm	30	EAD	3.656in./92.9mm	89
C1AE-6205D1	3.609in./91.7mm	46	C5AE-A	3.188in./80.98mm	51	CODE	2.938in./74.6mm	36	EAD-6200D	3.500in./88.9mm	66
C1AE-A	3.500in./88.9mm	85	C5AE-B	3.781in./96mm	96	CODE	3.125in./79.4mm	43	EAD-6200D	3.500in./88.9mm	80
C1AE-A	3.500in./88.9mm	86	C5AE-B	3.781in./96mm	97	COME	3.984in./101.2mm	86	EAD-6200D	3.656in./92.9mm	75
C1AE-B	3.781in./96mm	92	C5AE-B	3.500in./88.9mm	77	CONN	3.600in./91.4mm	20	EAD-6200D	3.656in./92.9mm	78
C1AE-B	3.781in./96mm	94	C5AE-B	3.984in./101.2mm	86	CONN	3.600in./91.4mm	26	EAD-6200D	3.656in./92.9mm	89
C1DE	2.500in./63.5mm	30	C5AE-B	3.781in./96mm	77	D00E-A	3.590in./91.2mm	90	EAD-6205A	3.500in./88.9mm	66
C1DE	2.938in./74.6mm	36	C5TE	3.188in./80.98mm	51	D00E-A	3.850in./97.8mm	90	EAD-6205A	3.500in./88.9mm	80
C1DE	3.125in./79.4mm	43	C5TE-6303C	3.188in./80.98mm	51	D1AE-A	4.000in./101.6mm	83	EAD-6205A	3.656in./92.9mm	75
C1TE	4.031in./102.4mm	55	C5TE-A	3.188in./80.98mm	51	D60E	3.500in./88.9mm	82	EAD-6205A	3.656in./92.9mm	78
C1TE-C	3.297in./83.8mm	65	C5TE-B	3.188in./80.98mm	51	D6VE	3.590in./91.2mm	90	EAD-6205A	3.656in./92.9mm	89
C1TE-C	3.297in./83.8mm	73	C5TE-F	3.188in./80.98mm	51	D8BE	2.938in./74.6mm	36	EBU	3.100in./78.7mm	65
C2AE-A	3.100in./78.7mm	65	C5TE-G	3.188in./80.98mm	51	D8BE	3.125in./79.4mm	43	EBU	3.297in./83.8mm	65
C2AE-A	3.297in./83.8mm	65	C5TZ-A	3.188in./80.98mm	51	D8BE-6205	2.500in./63.5mm	30	EBU	3.297in./83.8mm	73
C2AE-A	3.297in./83.8mm	73	C5TZ-B	3.188in./80.98mm	51	D8BE-6205	2.938in./74.6mm	36	ECC	3.100in./78.7mm	65
C2AE-B	3.781in./96mm	92	C6AE-A	3.984in./101.2mm	86	D8BE-6205	3.125in./79.4mm	43	ECC	3.297in./83.8mm	65
C2AE-B	3.781in./96mm	94	C6AE-C	3.500in./88.9mm	77	D8DE-AA	3.906in./99.2mm	54	ECC	3.297in./83.8mm	73
C2AE-B	3.781in./96mm	96	C6AE-C	3.984in./101.2mm	86	D9TE	3.590in./91.2mm	90	ECE	3.100in./78.7mm	65
C2AE-B	3.781in./96mm	97	C6AE-C	3.781in./96mm	77	D42E-AA	3.125in./79.4mm	24	ECE	3.297in./83.8mm	65
C2AE-B	3.500in./88.9mm	77	C6AE-H	3.500in./88.9mm	77	D42E-AA	3.125in./79.4mm	15	ECE	3.297in./83.8mm	73
C2AE-B	3.984in./101.2mm	86	C7AE-B	3.500in./88.9mm	77	D60E	3.500in./88.9mm	82	ECS	3.500in./88.9mm	66
C2AE-B	3.781in./96mm	77	C7AE-B	3.984in./101.2mm	86	DDN-6200-B	4.527in./115mm	29	ECS	3.500in./88.9mm	80
C3AE	3.609in./91.7mm	45	C7AE-B	3.781in./96mm	77	DDN-6205-B	4.527in./115mm	29	ECS	3.656in./92.9mm	75
C3AE	3.609in./91.7mm	46	C7AE-C	3.984in./101.2mm	86	DOAE-A	3.500in./88.9mm	81	ECS	3.656in./92.9mm	78
C3AE	4.031in./102.4mm	55	C7TE-A	3.500in./88.9mm	85	E1ADDN-6205	4.527in./115mm	29	ECS	3.656in./92.9mm	89
C3AE-620E1	3.609in./91.7mm	45	C7TE-A	3.984in./101.2mm	86	E2AE-AC	3.386in./86mm	48	ECS-F	3.500in./88.9mm	66
C3AE-620E1	3.609in./91.7mm	46	C7TE-A	3.500in./88.9mm	86	E2AE-AC	3.386in./86mm	49	ECS-F	3.500in./88.9mm	80
C3AE-6200B	3.984in./101.2mm	86	C7TE-B	3.500in./88.9mm	77	E6AE-AB	3.150in./80mm	40	ECS-F	3.656in./92.9mm	75
C3AE-6205A	3.984in./101.2mm	86	C8AE-A	3.188in./80.98mm	51	E43E-AA	3.125in./79.4mm	24	ECS-F	3.656in./92.9mm	78
C3AE-B	3.781in./96mm	96	C8DE	2.870in./72.9mm	63	E43E-AA	3.125in./79.4mm	15	ECS-F	3.656in./92.9mm	89
C3AE-B	3.781in./96mm	97	C8TE	3.188in./80.98mm	51	E 0352 018	3.071in./78mm	61	ECZ	3.438in./87.3mm	76
C3AE-B	3.984in./101.2mm	86	C8TE-A	3.188in./80.98mm	51	EAA	3.609in./91.7mm	45	ECZ-6205B	3.438in./87.3mm	76
C3AE-C	3.781in./96mm	96	C8VE	3.590in./91.2mm	90	EAA	3.609in./91.7mm	46	EDC	3.100in./78.7mm	65
C3AE-C	3.781in./96mm	97	C8VE	3.850in./97.8mm	90	EAA-6200	3.600in./91.4mm	20	EDC	3.297in./83.8mm	65
C3AE-C	3.500in./88.9mm	77	C8VE-A	3.590in./91.2mm	90	EAA-6200	3.600in./91.4mm	26	EDC	3.297in./83.8mm	73
C3AE-C	3.984in./101.2mm	86	C8VE-A	3.850in./97.8mm	90	EAA-6200B	3.609in./91.7mm	45	EDC	3.500in./88.9mm	85
C3AE-C	3.781in./96mm	77	C9DE-A	3.906in./99.2mm	54	EAA-6200B	3.609in./91.7mm	46	EDC	3.500in./88.9mm	86
C3AE-D	2.870in./72.9mm	63	C90E	3.500in./88.9mm	82	EAA-6205	3.600in./91.4mm	20	EDL	3.750in./95.3mm	93
C3AE-D	3.000in./76.2mm	63	C20E	2.870in./72.9mm	63	EAA-6205	3.600in./91.4mm	26	EDL	4.200in./106.7mm	93
C3AE-F	3.781in./96mm	96	C30E	2.500in./63.5mm	30	EAA-6205A	3.609in./91.7mm	45	RFF1AE6205-AD3.542in./90mm	69	
C3AE-F	3.781in./96mm	97	C30E	2.938in./74.6mm	36	EAA-6205A	3.609in./91.7mm	46	RFF1AE6205-AD3.542in./90mm	70	
C3AE-F	3.984in./101.2mm	86	C30E	3.125in./79.4mm	43	EAA-A	3.609in./91.7mm	46			
C3AE-J	2.870in./72.9mm	63	C30E-A	3.000in./76.2mm	63	EAA-B	3.609in./91.7mm	46			
C3TE	4.031in./102.4mm	55	C80E-A	3.000in./76.2mm	63	EAD	3.656in./92.9mm	75			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1.9	2.831in./71.9mm	38	1K	3.500in./88.9mm	83	2 MAE	4.180in./106.2mm	95	2N	3.000in./76.2mm	63
1A	4.180in./106.2mm	95	1KA	3.500in./88.9mm	83	2 MAE	4.180in./106.2mm	98	2NA	3.906in./99.2mm	54
1A	4.180in./106.2mm	98	1L	3.188in./80.98mm	51	2D	3.125in./79.4mm	24	2NA	3.000in./76.2mm	63
1AA	4.180in./106.2mm	95	1LA	3.188in./80.98mm	51	2D	3.125in./79.4mm	15	2NAB	3.906in./99.2mm	54
1AA	4.180in./106.2mm	98	1LAB	3.188in./80.98mm	51	2H	3.906in./99.2mm	54	2NAB	3.000in./76.2mm	63
1D	3.125in./79.4mm	24	1M	2.870in./72.9mm	63	2H-A	3.906in./99.2mm	54	2NABC	3.906in./99.2mm	54
1D	3.125in./79.4mm	15	1MA	2.870in./72.9mm	63	2H-A	3.000in./76.2mm	63	2NABC	3.850in./97.8mm	90
1F	2.500in./63.5mm	30	1N	3.188in./80.98mm	51	2HA	3.906in./99.2mm	54	2NABC	3.000in./76.2mm	63
1F	2.938in./74.6mm	36	1NA	3.188in./80.98mm	51	2HAB	3.906in./99.2mm	54	2T	3.500in./88.9mm	85
1F	3.125in./79.4mm	43	1NAB	3.188in./80.98mm	51	2J	3.906in./99.2mm	54	2T	3.500in./88.9mm	77
1G	2.500in./63.5mm	30	1NABC	3.188in./80.98mm	51	2J	3.000in./76.2mm	63	2T	3.500in./88.9mm	86
1G	2.938in./74.6mm	36	1P	3.386in./86mm	48	2M	3.000in./76.2mm	63	2TA	3.500in./88.9mm	85
1G	3.125in./79.4mm	43	1P	3.386in./86mm	49	2MA	3.000in./76.2mm	63	2TA	3.500in./88.9mm	77
1H	2.500in./63.5mm	30	1U	3.984in./101.2mm	86	2MAB	3.000in./76.2mm	63	2TA	3.500in./88.9mm	86
1H	2.938in./74.6mm	36	1UA	3.984in./101.2mm	86	2MAC	3.000in./76.2mm	63	2Y68-76	3.850in./97.8mm	90
1H	3.125in./79.4mm	43	1UB	3.984in./101.2mm	86	2MAD	3.000in./76.2mm	63	2Y	3.850in./97.8mm	90
1HA	2.500in./63.5mm	30	1V	3.590in./91.2mm	90	2MAE	3.000in./76.2mm	63	2YA	3.850in./97.8mm	90
1HA	2.938in./74.6mm	36	1VA	3.590in./91.2mm	90	2MAE	4.180in./106.2mm	95	2YAB	3.850in./97.8mm	90
1HA	3.125in./79.4mm	43	1VAB	3.590in./91.2mm	90	2MAE	4.180in./106.2mm	98	2YABC	3.850in./97.8mm	90
1J	3.000in./76.2mm	63	1YAB	3.590in./91.2mm	90	2N	3.906in./99.2mm	54	3C	3.500in./88.9mm	82

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
003K	2.831in./71.9mm	38	82TM	2.831in./71.9mm	38	9166N	3.461in./87.9mm	19	C0AE-B	3.500in./88.9mm	85
3M	3.500in./88.9mm	82	82TM-HAA	2.701in./68.6mm	37	13111-03010-D	4.180in./106.2mm	95	C0AE-B	3.500in./88.9mm	77
3MA	3.500in./88.9mm	82	82TM-HAA	2.831in./71.9mm	38	020201A1	2.831in./71.9mm	38	C0AE-B	3.500in./88.9mm	86
003N	2.831in./71.9mm	38	86TM-BA	2.701in./68.6mm	37	90003C	2.701in./68.6mm	37	C0E-A	2.870in./72.9mm	63
3Y	3.850in./97.8mm	90	86TM-BA	2.831in./71.9mm	38	90003C	2.831in./71.9mm	38	C0NN	3.600in./91.4mm	26
3YAB	3.850in./97.8mm	90	88TM-BA	2.701in./68.6mm	37	310772	3.600in./91.4mm	20	C1AE-A	3.781in./96mm	92
4M	3.500in./88.9mm	81	88TM-BA	2.831in./71.9mm	38	310772	3.600in./91.4mm	26	C1AE-A	3.781in./96mm	94
4MA	3.500in./88.9mm	81	90-21-0	3.609in./91.7mm	45	329880N	3.850in./97.8mm	90	C1AE-B	3.609in./91.7mm	45
4MAB	3.500in./88.9mm	81	90-21-0	2.831in./71.9mm	38	565524DYNA	3.500in./88.9mm	77	C1AE-B	3.609in./91.7mm	46
4U	3.590in./91.2mm	90	90-21-0	3.307in./84mm	52	887652N	2.701in./68.6mm	37	C1AE-F	3.609in./91.7mm	45
4UA	3.590in./91.2mm	90	90-21-0	3.461in./87.9mm	19	887652N	2.831in./71.9mm	38	C1AE-F	3.609in./91.7mm	46
4UAB	3.590in./91.2mm	90	90TM-6303-AB	3.307in./84mm	52	1802224C92	4.180in./106.2mm	95	C1TE	3.297in./83.8mm	65
4UB	3.590in./91.2mm	90	90TM-AA	3.609in./91.7mm	45	1802224C93	4.180in./106.2mm	95	C1TE	3.297in./83.8mm	73
4XC-U	3.500in./88.9mm	77	90TM-AA	2.831in./71.9mm	38	1803420C1	4.180in./106.2mm	95	C1TE-6303-B	3.750in./95.3mm	93
4XC-UT	3.500in./88.9mm	77	90TM-AA	3.307in./84mm	52	1805420C1	4.180in./106.2mm	95	C1TE-6303-C	4.200in./106.7mm	93
4XCU	3.500in./88.9mm	77	90TM-AA	3.461in./87.9mm	19	1805420C1	4.180in./106.2mm	98	C1TE-6303B	3.750in./95.3mm	93
4XCUT	3.500in./88.9mm	77	90TM-AB	3.609in./91.7mm	45	1809954C1	4.180in./106.2mm	95	C1TE-6303C	4.200in./106.7mm	93
4ZE1	3.500in./88.9mm	77	90TM-AB	2.831in./71.9mm	38	1809954C1	4.180in./106.2mm	98	C1TE-6303F1	3.297in./83.8mm	73
5 E	3.500in./88.9mm	77	90TM-AB	3.307in./84mm	52	1812320C91	4.180in./106.2mm	95	C1TE-B	3.750in./95.3mm	93
5M	4.000in./101.6mm	83	90TM-AB	3.461in./87.9mm	19	1812320C91	4.180in./106.2mm	98	C1TE-C	4.200in./106.7mm	93
5MA	4.000in./101.6mm	83	91A	3.750in./95.3mm	64	1816975C1	4.180in./106.2mm	95	C1TE-F1	3.297in./83.8mm	73
5MAB	4.000in./101.6mm	83	91A-6303-A	3.609in./91.7mm	45	1816975C1	4.180in./106.2mm	98	C1TE-F	3.297in./83.8mm	65
5MABC	4.000in./101.6mm	83	91A-6303-A	2.831in./71.9mm	38	5750174	3.656in./92.9mm	75	C1TE-F	3.297in./83.8mm	73
6-H	2.701in./68.6mm	37	91A-6303-A	3.307in./84mm	52	5750174	3.656in./92.9mm	78	C1TE-H	4.031in./102.4mm	55
6M	2.701in./68.6mm	37	91A-6303-A	3.461in./87.9mm	19	5750174	3.656in./92.9mm	89	C1VE	3.297in./83.8mm	91
7HA	2.701in./68.6mm	37	91A-6303-B	3.609in./91.7mm	45	A1D	3.189in./81mm	4	C1VE-A	3.297in./83.8mm	91
7HA-6303	2.701in./68.6mm	37	91A-6303-B	2.831in./71.9mm	38	A1D	3.307in./84mm	52	C2AE-2	3.781in./96mm	92
7M	3.500in./88.9mm	82	91A-6303-B	3.307in./84mm	52	A301	3.189in./81mm	4	C2AE-2	3.781in./96mm	94
7MA	3.500in./88.9mm	82	91A-6303-B	3.461in./87.9mm	19	A301	3.307in./84mm	52	C2AE-A	3.297in./83.8mm	65
8BA	3.750in./95.3mm	64	91H	3.750in./95.3mm	64	A	3.500in./88.9mm	85	C2AE-A	3.297in./83.8mm	73
8CM	3.750in./95.3mm	64	91H-6303-B	3.609in./91.7mm	45	A-6303	3.189in./81mm	4	C2AE-B	3.781in./96mm	92
8F28	2.701in./68.6mm	37	91H-6303-B	2.831in./71.9mm	38	A-6303	3.307in./84mm	52	C2AE-B	3.781in./96mm	94
8F28	2.831in./71.9mm	38	91H-6303-B	3.307in./84mm	52	A-6303-A	3.189in./81mm	4	C2AE-D	3.781in./96mm	92
8HA	2.701in./68.6mm	37	91H-6303-B	3.461in./87.9mm	19	A-6303-A	3.307in./84mm	52	C2AE-D	3.781in./96mm	94
8HA	2.831in./71.9mm	38	91K	3.609in./91.7mm	45	AD	3.189in./81mm	4	C2DE-A	2.500in./63.5mm	30
8HA-6303	2.701in./68.6mm	37	91K	2.831in./71.9mm	38	AD	3.307in./84mm	52	C2DE-A	2.938in./74.6mm	36
8HA-6303	2.831in./71.9mm	38	91K	3.307in./84mm	52	AY	3.189in./81mm	4	C2DE-A	3.125in./79.4mm	43
8M	3.500in./88.9mm	83	91K	3.461in./87.9mm	19	AY	3.307in./84mm	52	C2OE-A	2.870in./72.9mm	72
8MTH	2.701in./68.6mm	37	91TM-AA	3.609in./91.7mm	45	B3C7	3.297in./83.8mm	65	C2OZ	2.875in./73mm	63
8MTH	2.831in./71.9mm	38	91TM-AA	2.831in./71.9mm	38	B4A-6303-B	3.297in./83.8mm	65	C2OZ	2.870in./72.9mm	63
8N	3.750in./95.3mm	14	91TM-AA	3.307in./84mm	52	B4A-B	3.297in./83.8mm	65	C2OZ	2.870in./72.9mm	72
9N	3.750in./95.3mm	14	91TM-AA	3.461in./87.9mm	19	B5A-6303-B	3.500in./88.9mm	66	C2OZ-B	2.870in./72.9mm	63
09N	2.831in./71.9mm	38	96TM-AA	3.189in./81mm	4	B5A-6303-B	3.297in./83.8mm	65	C2OZ-B	2.870in./72.9mm	72
10-B	2.831in./71.9mm	38	96TM-AA	3.307in./84mm	52	B5A-6303-B	3.297in./83.8mm	73	C2TE-6303-C	3.656in./92.9mm	75
11-448510	2.625in./66.7mm	34	97TM-	3.189in./81mm	4	B5A-6303-B	3.500in./88.9mm	80	C2TE-6303A	3.750in./95.3mm	93
11M	4.180in./106.2mm	95	97TM-	3.307in./84mm	52	B5A-6303-B	3.307in./84mm	6	C2TE-6303C	3.656in./92.9mm	75
11M	2.831in./71.9mm	38	99A	3.750in./95.3mm	64	B5Q-6303-A	3.500in./88.9mm	66	C2TE-6303C	3.656in./92.9mm	78
11M-14	4.180in./106.2mm	95	99A-6303	3.750in./95.3mm	64	B5Q-6303-A	3.297in./83.8mm	73	C2TE-6303C	3.656in./92.9mm	89
17M	4.180in./106.2mm	95	140N	4.180in./106.2mm	95	B5Q-6303-A	3.500in./88.9mm	80	C2TE-A	3.750in./95.3mm	93
29A	3.750in./95.3mm	64	176H	4.180in./106.2mm	95	B5Q-6303-A	3.307in./84mm	6	C2TE-A	4.200in./106.7mm	93
29A-6303A	3.750in./95.3mm	64	188A	4.180in./106.2mm	95	B5Q-6303A	3.500in./88.9mm	66	C2TE-B	4.200in./106.7mm	93
29B	3.750in./95.3mm	64	188A	4.180in./106.2mm	98	B5Q-6303A	3.500in./88.9mm	80	C2TE-C	3.656in./92.9mm	75
29B-6303B	3.750in./95.3mm	64	202B	4.180in./106.2mm	95	B5S-6303-A	3.500in./88.9mm	66	C2TE-C	3.656in./92.9mm	78
30R	3.850in./97.8mm	90	202B	4.180in./106.2mm	98	B5S-6303-A	3.297in./83.8mm	73	C2TE-C	3.656in./92.9mm	89
31-87	3.850in./97.8mm	90	0290	3.701in./94mm	11	B5S-6303-A	3.500in./88.9mm	80	C2TE-D	3.656in./92.9mm	75
31M	3.850in./97.8mm	90	508E-6303	3.500in./88.9mm	77	B5S-6303-A	3.307in./84mm	6	C2TE-D	3.656in./92.9mm	78
68-6303	3.750in./95.3mm	64	711M-AC	2.100in./53.3mm	3	B9NN	3.600in./91.4mm	20	C2TE-D	3.656in./92.9mm	89
70HM	3.031in./77mm	9	711M-AD	2.100in./53.3mm	3	B9NN	3.600in./91.4mm	26	C2TZ-6303A	3.750in./95.3mm	93
70HM-AKA	3.031in./77mm	9	851M	2.701in./68.6mm	37	B301	3.189in./81mm	4	C2TZ-6303B	3.750in./95.3mm	93
72HM-JA	3.031in./77mm	9	851M	2.831in./71.9mm	38	B301	3.307in./84mm	52	C2VE	3.703in./94.1mm	91
74TM	2.701in./68.6mm	37	1174N	2.831in./71.9mm	38	B616	3.500in./88.9mm	66	C2VE-A	3.703in./94.1mm	91
74TM-AA	2.701in./68.6mm	37	2732E	2.100in./53.3mm	3	B616	3.297in./83.8mm	73	C3AE	3.500in./88.9mm	85
76TM	2.701in./68.6mm	37	2737E	2.100in./53.3mm	3	B616	3.500in./88.9mm	80	C3AE-A	3.500in./88.9mm	77
77A	2.701in./68.6mm	37	3281N	3.850in./97.8mm	90	B616	3.307in./84mm	6	C3AE-A	3.500in./88.9mm	86
78TM	2.701in./68.6mm	37	7243N	2.701in./68.6mm	37	B630	3.307in./84mm	6	C3AE-B	3.781in./96mm	92
78TM-CA	2.701in./68.6mm	37	9166N	3.609in./91.7mm	45	B630	3.346in./85mm	6	C3AE-B	3.781in./96mm	94
81-K	2.701in./68.6mm	37	9166N	2.831in./71.9mm	38	B657	3.307in./84mm	6	C3AE-C	3.781in./96mm	92
82TM	2.701in./68.6mm	37	9166N	3.307in./84mm	52	B657	3.346in./85mm	6	C3AE-C	3.781in./96mm	94

FORD (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
C3AE-E	3.781in./96mm	92	C5TE-B	3.188in./80.98mm	51	D	3.125in./79.4mm	15	EBP	3.609in./91.7mm	45
C3AE-E	3.781in./96mm	94	C5TE-C	3.188in./80.98mm	51	DOAE-A	3.500in./88.9mm	81	EBP	3.609in./91.7mm	46
C3AE-F	2.870in./72.9mm	63	C5TE-F	3.188in./80.98mm	51	DOAE-A	3.500in./88.9mm	77	EBU	3.100in./78.7mm	65
C3AE-G	3.781in./96mm	96	C5TE-G	3.188in./80.98mm	51	E1AE	3.000in./76.2mm	63	EBU-6303-A	3.100in./78.7mm	65
C3AE-G	3.781in./96mm	97	C5TZ-A	3.188in./80.98mm	51	E1AE-AA	3.000in./76.2mm	63	EBU-6303-B	3.656in./92.9mm	75
C3AE-M	3.609in./91.7mm	45	C5TZ-B	3.188in./80.98mm	51	E1EE	3.125in./79.4mm	8	EBU-6303-B	3.297in./83.8mm	79
C3AE-M	3.609in./91.7mm	46	C6AE-D	3.500in./88.9mm	77	E1EE-AB	3.125in./79.4mm	8	EBU-6303B	3.656in./92.9mm	75
C3AE-N	3.609in./91.7mm	45	C6AE-E	3.188in./80.98mm	51	E2AE	3.386in./86mm	48	EBU-6303B	3.656in./92.9mm	78
C3AE-N	3.609in./91.7mm	46	C6TE-6303G	3.188in./80.98mm	51	E2AE-AF	3.386in./86mm	48	EBU-6303B	3.656in./92.9mm	89
C3AF-N	2.870in./72.9mm	63	C6TE-A	3.500in./88.9mm	77	E2AE-DB	3.386in./86mm	48	EC	3.297in./83.8mm	65
C3AF-N	2.870in./72.9mm	72	C6TE-C	3.781in./96mm	77	E2AE-DB	3.386in./86mm	49	EC	3.297in./83.8mm	73
C3OE-A	3.125in./79.4mm	43	C6TE-D	3.500in./88.9mm	77	E2ZE-BA	3.125in./79.4mm	24	ECE	3.438in./87.3mm	76
C3OE-B	2.870in./72.9mm	72	C6TE-E	3.781in./96mm	77	E2ZE-BA	3.125in./79.4mm	15	ECG	3.438in./87.3mm	76
C3OZ	2.870in./72.9mm	63	C6TE-G	3.188in./80.98mm	51	E3AA-AA	3.386in./86mm	48	ECG-6303-B	3.297in./83.8mm	73
C3OZ	2.870in./72.9mm	72	C6VE-6303-A	3.830in./97.3mm	91	E3AA-AA	3.386in./86mm	49	ECK	3.438in./87.3mm	76
C3OZ-A	3.125in./79.4mm	43	C7TE	3.781in./96mm	77	E3AE	3.386in./86mm	48	ECK-6303-B	3.297in./83.8mm	73
C3OZ-B	2.870in./72.9mm	63	C7TE-A	3.500in./88.9mm	77	E3AE-AA	3.386in./86mm	48	ECS	3.656in./92.9mm	75
C3OZ-B	2.870in./72.9mm	72	C7TE-B	3.781in./96mm	77	E3EE	3.125in./79.4mm	8	ECS	3.656in./92.9mm	78
C3OZ-E	3.125in./79.4mm	43	C7TE-E	3.781in./96mm	77	E3EE-AA	3.125in./79.4mm	8	ECS	3.656in./92.9mm	89
C3TE	4.031in./102.4mm	55	C7TE-EA	3.781in./96mm	77	E4AE-BA	3.500in./88.9mm	84	ECT	3.500in./88.9mm	66
C3TE-6303-B	3.656in./92.9mm	75	C8AE-A	3.500in./88.9mm	86	E4EE-AA	3.125in./79.4mm	8	ECT	3.500in./88.9mm	80
C3TE-6303-C	3.656in./92.9mm	75	C8AE-B	3.781in./96mm	96	E4EEAA	3.125in./79.4mm	8	ECT-6303C	3.656in./92.9mm	75
C3TE-6303-D	3.656in./92.9mm	75	C8AE-B	3.781in./96mm	97	E4ZE-AC	3.125in./79.4mm	15	ECT-6303C	3.656in./92.9mm	78
C3TE-6303B	3.656in./92.9mm	75	C8SE-A	3.590in./91.2mm	90	E5EE-AA	3.460in./87.9mm	13	ECT-6303C	3.656in./92.9mm	89
C3TE-6303B	3.656in./92.9mm	78	C8VE	3.850in./97.8mm	90	E5HN-6303-AC	5.200in./132mm	60	ECU	3.656in./92.9mm	75
C3TE-6303B	3.656in./92.9mm	89	C8VE-A	3.850in./97.8mm	90	E5HN-6303-AD	5.200in./132mm	60	ECU	3.656in./92.9mm	78
C3TE-6303C	3.656in./92.9mm	75	C9AE-A	3.590in./91.2mm	90	E5HN-6303-CC	5.200in./132mm	60	ECU	3.656in./92.9mm	89
C3TE-6303C	3.656in./92.9mm	78	C9AE-B	3.590in./91.2mm	90	E6AE-A	3.150in./80mm	40	ECU-6303	3.656in./92.9mm	75
C3TE-6303C	3.656in./92.9mm	89	C9DE-A	3.906in./99.2mm	54	E6AE-AH	3.150in./80mm	40	ECU-6303	3.656in./92.9mm	78
C3TE-6303D	3.656in./92.9mm	75	C9OE-A	3.500in./88.9mm	82	E6AE-B	3.150in./80mm	40	ECU-6303	3.656in./92.9mm	89
C3TE-6303D	3.656in./92.9mm	78	C9TE	3.297in./83.8mm	65	E6AE-C	3.150in./80mm	40	ECZ	3.438in./87.3mm	76
C3TE-6303D	3.656in./92.9mm	89	C9TE-A	3.297in./83.8mm	73	E6AE-W	3.150in./80mm	40	EDC	3.297in./83.8mm	79
C3VE	3.703in./94.1mm	91	C9ZE-6303-A	3.000in./76.2mm	74	E6EE-AA	3.125in./79.4mm	8	EDD	3.500in./88.9mm	85
C3VE-A	3.703in./94.1mm	91	C9ZE-A	3.000in./76.2mm	63	E6HN-6303-CB	4.400in./111.8mm	60	EDD	3.500in./88.9mm	77
C4AE	3.500in./88.9mm	85	C9ZE-C	3.703in./94.1mm	91	E6HN-6303-CC	4.400in./111.8mm	60	EDD	3.500in./88.9mm	86
C4AE-A	3.500in./88.9mm	77	C9ZE-D	3.703in./94.1mm	91	E7AE	3.000in./76.2mm	63	EDF	3.297in./83.8mm	91
C4AE-A	3.500in./88.9mm	86	C20E-A	2.870in./72.9mm	63	E7AE-AA	3.000in./76.2mm	63	EDG	3.703in./94.1mm	91
C4AE-B	3.781in./96mm	96	C2OZ	2.870in./72.9mm	63	E9DE-BA	3.386in./86mm	49	EDG-6303	3.703in./94.1mm	91
C4AE-B	3.781in./96mm	97	C2OZ-A	2.870in./72.9mm	63	E9DE-BB	3.386in./86mm	49	EDJ	3.703in./94.1mm	91
C4AE-C	3.781in./96mm	96	C3OE-A	2.500in./63.5mm	30	E9SE-CB	3.386in./86mm	49	EDL	3.750in./95.3mm	93
C4AE-C	3.781in./96mm	97	C3OE-A	2.938in./74.6mm	36	E22E-BA	3.125in./79.4mm	15	EDL-6303-A	3.750in./95.3mm	93
C4AE-E	3.781in./96mm	96	C3OE-A	3.125in./79.4mm	43	E43E-AC	3.125in./79.4mm	15	EDL-6303A	3.750in./95.3mm	93
C4AE-E	3.781in./96mm	97	C3OE-B	2.870in./72.9mm	63	E63E-AA	3.578in./90.8mm	27	EDM	3.500in./88.9mm	66
C4AE-H	3.781in./96mm	96	C3OZ	2.870in./72.9mm	63	E63E-AB	3.578in./90.8mm	27	EDM	3.500in./88.9mm	80
C4AE-H	3.781in./96mm	97	C3OZ-A	2.500in./63.5mm	30	E88E-AB	3.125in./79.4mm	24	EDN	4.200in./106.7mm	93
C4AZ-A	3.781in./96mm	96	C3OZ-A	2.938in./74.6mm	36	E88E-AB	3.125in./79.4mm	15	EDN-6303-A	4.200in./106.7mm	93
C4AZ-A	3.781in./96mm	97	C3OZ-A	3.125in./79.4mm	43	E89E-AB	3.125in./79.4mm	24	EDN-6303A	4.200in./106.7mm	93
C4AZ-J	3.781in./96mm	96	C3OZ-E	2.500in./63.5mm	30	E89E-AB	3.125in./79.4mm	15	EDS	3.703in./94.1mm	91
C4AZ-J	3.781in./96mm	97	C3OZ-E	2.938in./74.6mm	36	E5734JN	3.125in./79.4mm	15	F0SE-AA	3.386in./86mm	49
C4TE-6303-A	4.527in./115mm	57	C3OZ-E	3.125in./79.4mm	43	EAA	3.609in./91.7mm	45	F1AE-AD	3.542in./90mm	69
C4TE-A	3.500in./88.9mm	77	C8OE-B	3.000in./76.2mm	63	EAA	3.609in./91.7mm	46	F1AE-AD-5D	3.542in./90mm	67
C4TE-B	3.781in./96mm	77	CTR-CB	2.500in./63.5mm	30	EAB	3.750in./95.3mm	64	F1AE-AD-7D	3.542in./90mm	67
C4TE-C	4.031in./102.4mm	55	CTR-CB	2.938in./74.6mm	36	EAB-6303	3.500in./88.9mm	66	F1AE-AD-8D	3.542in./90mm	67
C4TE-D	3.500in./88.9mm	77	D0TE-A	3.500in./88.9mm	77	EAB-6303	3.500in./88.9mm	80	F1AE-AE	3.542in./90mm	69
C4TZ-A	3.781in./96mm	96	DOZE-6303-A	3.000in./76.2mm	74	EAD	3.500in./88.9mm	66	F1AE-AE	3.542in./90mm	67
C4TZ-A	3.781in./96mm	97	D1TE-A	3.500in./88.9mm	77	EAD	3.500in./88.9mm	80	F4SE-BB	3.386in./86mm	49
C4TZ-B	3.781in./96mm	96	D1TE-B	3.781in./96mm	77	EAD-6303-C	3.500in./88.9mm	66	F5	3.150in./80mm	41
C4TZ-B	3.781in./96mm	97	D2TE-A	3.500in./88.9mm	77	EAD-6303-C	3.500in./88.9mm	80	F5	3.268in./83mm	42
C5AE	3.500in./88.9mm	85	D2TE-AA	3.500in./88.9mm	77	EAD-6303C	3.500in./88.9mm	66	F5AE-AA	3.150in./80mm	40
C5AE-A	3.500in./88.9mm	77	D2TE-EA	3.781in./96mm	77	EAD-6303C	3.500in./88.9mm	80	F5DE	3.150in./80mm	40
C5AE-A	3.500in./88.9mm	86	D3TE-AA	3.781in./96mm	77	EAF	3.600in./91.4mm	20	F5TZ-6012-AA	3.307in./84mm	52
C5AE-C	3.781in./96mm	96	D7AE	3.500in./88.9mm	83	EAF	3.600in./91.4mm	26	F58E	3.150in./80mm	40
C5AE-C	3.781in./96mm	97	D7AE-A	3.500in./88.9mm	83	EAM	3.500in./88.9mm	66	F58E-AA	3.150in./80mm	40
C5DE-A	2.500in./63.5mm	30	D9TE-AA	3.590in./91.2mm	90	EAM	3.500in./88.9mm	80	F58E-B	3.150in./80mm	40
C5DE-A	2.938in./74.6mm	36	D9TE-B	3.590in./91.2mm	90	EBF	3.609in./91.7mm	45	F201	3.701in./94mm	21
C5DE-A	3.125in./79.4mm	43	D9TE-BA	3.590in./91.2mm	90	EBF	3.609in./91.7mm	46	FE201	3.701in./94mm	21
C5TE	3.188in./80.98mm	51	D9TE-EA	3.590in./91.2mm	90	EBJ	3.500in./88.9mm	66	FE-50	3.701in./94mm	21
C5TE-6303C	3.188in./80.98mm	51	D	3.125in./79.4mm	24	EBJ	3.500in./88.9mm	80	FS07	3.622in./92mm	17

FORD (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
FS-2	3.622in./92mm	17	ICM	4.000in./101.6mm	64	RFE 6AE	3.150in./80mm	40	XBRO-1145	3.125in./79.4mm	24
GN	3.701in./94mm	11	JPHM	3.701in./94mm	11	RFF1AE6306-AD3	5.42in./90mm	69	XBRO-1145	3.125in./79.4mm	15
GS-M	3.000in./76.2mm	63	LH	3.701in./94mm	11	RFF1AE6306-AD3	5.42in./90mm	70	ZYA	3.590in./91.2mm	90
H	3.590in./91.2mm	90	OBA	3.750in./95.3mm	64	SM	3.500in./88.9mm	83			
IBA	3.750in./95.3mm	64	PROBE	3.701in./94mm	21	VG30	3.268in./83mm	42			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

3 CYL

1	159 CID (2.6L) 3-53N Detroit Diesel Supercharged Diesel 3 Cyl (1973-1976)			3.875in./98.4mm x 4.500in./114.3mm				1
Rod Bearing(3)	TM-112	CB-1265P	STD,10,20,30,40	2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200
Main Bearing(4)	TM-112	MB-1897P	STD,10,20,30	2.9990/3.0000	0.0013/0.0043	0.1250	3.2510/3.2520	1.1850
Thrust Washer Set		TW-412S MB-2522W	STD	3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MB-1897P								
Cam Bearing Set	C-1	SH-699S	STD					
1-3		SH-686		2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100
2		SH-687		2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings								
Piston Pin Bushing(3)	C-1	223-3622	STD			0.1225	1.6005/1.6010	0.7550
NOTE: Requires Boring								

4 CYL

2	997CC (1.0L) OHV 4 Cyl (1959-1967)			3.189in./81mm x 1.890in./48mm				2
	1198CC (1.2L) British 4 Cyl (1961-1968)			3.189in./81mm x 2.284in./58mm				
	1340CC (1.3L) British 4 Cyl (1961-1962)			3.189in./81mm x 2.559in./65mm				
Rod Bearing(4)	TM-77	CB-603P	STD,10,20,30,40	1.9370/1.9375	0.0011/0.0031	0.0722	2.0825/2.0830	0.8800
Cam Bearing Set	B-1	SH-711S	STD					
1		SH-711		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.8000
2		SH-712		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.6900
3		SH-713		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.8000
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	55 To 60 Lbs.Ft.							

3	67 CID (1.1L) I-67 4 Cyl (1973-1982)			3.188in./80.98mm x 2.100in./53.3mm				3
	1098CC (1.1L) German 4 Cyl (1968-1980)			3.189in./81mm x 2.126in./54mm				
	1100CC (1.1L) 4 Cyl (1971-1973)			3.188in./80.98mm x 2.100in./53.3mm				
	1298CC (1.3L) German 4 Cyl (1968-1980)			3.189in./81mm x 2.480in./63mm				
	1498CC (1.5L) OHV 4 Cyl (1963-1967)			3.189in./81mm x 2.859in./72.62mm				
	1599CC (1.6L) British 4 Cyl (1967-1973)			3.189in./81mm x 3.071in./78mm				
Rod Bearing(4)	TM-77	CB-603P	STD,10,20,30,40	1.9370/1.9375	0.0011/0.0031	0.0722	2.0825/2.0830	0.8800
Main Bearing Set	TM-77	MS-742AL	STD,10,20,30					
1-2-3-4-5		MB-2759AL		2.1253/2.1261	0.0005/0.0028	0.0722	2.2710/2.2715	1.0050
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-113S								
Thrust Washer Set		TW-113S MB-2058W	STD	2.3400/2.3500			2.9330/2.9430	0.0930
NOTE: Contains 2 Pieces, Position Number 2, Use With Part Number MS-742AL								
Cam Bearing Set	B-1	SH-711S	STD					
1		SH-711		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.8000
2		SH-712		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.6900
3		SH-713		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.8000

C/S Forging 2732E, 2737E, 711M-AC, 711M-AD

Connecting Rod 30 To 35 Lbs.Ft.
Main Bearing 60 To 70 Lbs.Ft.

4	81 CID (1.3L) SOHC Mazda 4 Cyl (1988-1997)			2.795in./71mm x 3.189in./81mm				4
Rod Bearing(4)	AL-3	CB-1279AL	STD,.25mm,.50mm,.75mm,1.00mm	1.5724/1.5730	0.0010/0.0031	0.0596	1.6929/1.6935	0.6740
Main Bearing Set	AL-3	MS-1802AL	STD,.25mm,.50mm,.75mm					
1-2-3-4-5		MB-3173AL		1.9661/1.9668	0.0009/0.0017	0.0792	2.1260/2.1267	0.6890
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-472S								
Thrust Washer Set		TW-472S MB-3173W	STD	2.2539			2.7165	0.1000
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1802AL								

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
4 (Cont.)	81 CID (1.3L) SOHC Mazda 4 Cyl (1988-1997)			2.795in./71mm x 3.189in./81mm				4 (Cont.)
C/S Forging AD, AY, A1D, A301, B301, 97TM-, A-6303, 96TM-AA, A-6303-A								
Connecting Rod		Step A 11 To 13 Lbs.Ft.; Step B 22 To 25 Lbs.Ft.						
Main Bearing		40 To 43 Lbs.Ft.						
5	1498CC (1.5L) OHV V4 Cyl (1963-1970)			3.543in./90mm x 2.284in./58mm				5
	1699CC (1.7L) OHV V4 Cyl (1963-1975)			3.543in./90mm x 2.638in./67mm				
Rod Bearing(4)	TM-77	CB-723P	STD,10,20,30,40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490
Rod Bearing(4)	TM-77	CB-1795P-10	20,30,40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-3	TM-77	MS-798P	STD,10	2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	0.8500
2		MB-2350P		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	1.0350
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-590S	STD	1.6345/1.6355	0.0010/0.0050	0.0608	1.7580/1.7590	0.7900
2		SH-590		1.6195/1.6205	0.0010/0.0050	0.0608	1.7430/1.7440	0.7100
3		SH-591		1.6045/1.6055	0.0010/0.0050	0.6100	1.7280/1.7290	0.6100
Connecting Rod 21 To 25 Lbs.Ft.								
Main Bearing 65 To 75 Lbs.Ft.								
6	98 CID (1.6L) DOHC Mazda 4 Cyl (1991-1994)			3.071in./78mm x 3.307in./84mm				6
	98 CID (1.6L) DOHC Mazda Turbocharged 4 Cyl (1991-1994)			3.071in./78mm x 3.307in./84mm				
	98 CID (1.6L) SOHC Mazda 4 Cyl (1987-1989)			3.071in./78mm x 3.307in./84mm				
	112 CID (1.8L) DOHC Mazda 4 Cyl (1991-1996)			3.268in./83mm x 3.346in./85mm				
Rod Bearing(4)	AL-3	CB-1453AL	STD,.25mm,.50mm,.75mm	1.7693/1.7699	0.0011/0.0027	0.0594	1.8898/1.8904	0.6740
Main Bearing Set 1-2-3-4-5	AL-3	MS-1802AL	STD,.25mm,.50mm,.75mm	1.9661/1.9668	0.0009/0.0017	0.0792	2.1260/2.1267	0.6890
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-472S								
Thrust Washer Set		TW-472S	STD	2.2539			2.7165	0.1000
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1802AL								
C/S Forging B616, B630, B657, B5A-6303-B, B5Q-6303-A, B5S-6303-A								
Connecting Rod 35 To 38 Lbs.Ft. (98 CID (1.6L) SOHC)								
Connecting Rod 37 To 40 Lbs.Ft. (98 CID (1.6L) DOHC,112 CID (1.8L) DOHC)								
Main Bearing 40 To 43 Lbs.Ft.								
7	98 CID (1.6L) OHV 4 Cyl (1971-1982)			3.188in./80.98mm x 3.063in./77.8mm				7
Rod Bearing(4)	TM-77	CB-603P	STD,10,20,30,40	1.9370/1.9375	0.0011/0.0031	0.0722	2.0825/2.0830	0.8800
Main Bearing Set 1-2-3-4-5	TM-77	MS-742AL	STD,10,20,30	2.1253/2.1261	0.0005/0.0028	0.0722	2.2710/2.2715	1.0050
NOTE: 1971-1973, Requires Thrust Washer Set, Not Included, Use With Part Number TW-113S								
Main Bearing Set 1-5	TM-77	MS-1455AL	STD,10,20,30	2.1253/2.1261	0.0005/0.0028	0.0722	2.2710/2.2715	0.8870
2-3-4		MB-2758AL		2.1253/2.1261	0.0005/0.0028	0.0722	2.2710/2.2715	1.0050
NOTE: 1978-1982, Use With Part Number TW-113S								
Thrust Washer Set		TW-113S	STD	2.3400/2.3500			2.9330/2.9430	0.0930
NOTE: Contains 2 Pieces, Position Number 3								
Cam Bearing Set 1	B-1	SH-711S	STD	1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.8000
2		SH-711		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.6900
3		SH-712		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.8000
Aux. Shaft Bearing Set	B-1	SH-1094S	STD	1.6517/1.6527	0.0006/0.0032	0.0619	1.7745/1.7755	0.5100
NOTE: 1978-1982								
Connecting Rod 30 To 35 Lbs.Ft.								
Main Bearing 60 To 70 Lbs.Ft.								

FORD (Cont.)

FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
8	98 CID (1.6L) SOHC 4 Cyl (1981-1985)			3.147in./79.94mm x 3.125in./79.4mm				8
	98 CID (1.6L) SOHC Turbocharged 4 Cyl (1981-1985)			3.147in./79.94mm x 3.125in./79.4mm				
	98 CID (1.6L) SOHC High Output 4 Cyl (1982-1985)			3.147in./79.94mm x 3.125in./79.4mm				
Rod Bearing(4)	TM-77	CB-1276P	STD.,25mm.,50mm.,75mm	1.8854/1.8862	0.0011/0.0027	0.0586	2.0035/2.0043	0.7680
Main Bearing Set	TM-77	MS-1557P	STD.,25mm.,50mm.,75mm					
1-2-4-5		MB-2865P		2.2827/2.2835	0.0006/0.0030	0.0842	2.4522/2.4528	0.8870
3		MB-2866P(F)		2.2827/2.2835	0.0006/0.0030	0.0842	2.4522/2.4528	1.1310
NOTE: Upper Half Flanged Bearing Only								
C/S Forging	E1EE, E3EE, E4EEAA, E1EE-AB, E3EE-AA, E4EE-AA, E6EE-AA							
Connecting Rod	19 To 25 Lbs.Ft.							
Main Bearing	67 To 80 Lbs.Ft.							
9	1593CC (1.6L) British 4 Cyl (1970-1982)			3.465in./88mm x 2.598in./66mm				9
	122 CID (2.0L) SOHC 4 Cyl (1971-1974)			3.578in./90.8mm x 3.031in./77mm				
	1993CC (2.0L) OHC 4 Cyl (1970-1976)			3.578in./90.8mm x 3.031in./77mm				
Rod Bearing(4)	TM-77	CB-943P	STD.,25mm.,50mm.,75mm	2.0468/2.0472	0.0010/0.0030	0.0588	2.1653/2.1661	0.7930
Main Bearing Set	TM-77	MS-1084P	STD.,25mm.,50mm.,75mm					
1-2-3-4-5		MB-409P		2.2437/2.2441	0.0008/0.0028	0.0710	2.3866/2.3874	0.9350
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-218S								
Thrust Washer Set		TW-218S	STD					
		MB-409W(L)		2.3039/2.3138			3.1594/3.1693	0.0930
		MB-409W(U)		2.3039/2.3138			3.1594/3.1693	0.0930
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1084P								
Cam Bearing Set	B-1	SH-733S	STD					
1		SH-128		1.6530/1.6540	0.0005/0.0047	0.0600	1.7745/1.7757	0.7970
2		SH-129		1.7560/1.7570	0.0006/0.0048	0.0600	1.8776/1.8788	0.6790
3		SH-130		1.7710/1.7720	0.0006/0.0048	0.0600	1.8926/1.8938	0.6400
Aux. Shaft Bearing Set	B-1	SH-1094S	STD					
Front		SH-1094		1.6517/1.6527	0.0006/0.0032	0.0619	1.7745/1.7755	0.5100
C/S Forging	70HM, 72HM-JA, 70HM-AKA							
Connecting Rod	29 To 34 Lbs.Ft.							
Main Bearing	65 To 75 Lbs.Ft.							
10	1599CC (1.6L) OHV 4 Cyl (1978-1980)			3.188in./80.98mm x 3.063in./77.8mm				10
Rod Bearing(4)	TM-77	CB-603P	STD,10,20,30,40	1.9370/1.9375	0.0011/0.0031	0.0722	2.0825/2.0830	0.8800
Main Bearing Set	TM-77	MS-1455AL	STD,10,20,30					
1-5		MB-2758AL		2.1253/2.1261	0.0005/0.0028	0.0722	2.2710/2.2715	0.8870
2-3-4		MB-2759AL		2.1253/2.1261	0.0005/0.0028	0.0722	2.2710/2.2715	1.0050
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-113S								
Thrust Washer Set		TW-113S	STD					
		MB-2058W		2.3400/2.3500			2.9330/2.9430	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1455AL								
Cam Bearing Set	B-1	SH-711S	STD					
1		SH-711		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.8000
2		SH-712		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.6900
3		SH-713		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.8000
Aux. Shaft Bearing Set	B-1	SH-1094S	STD					
Front		SH-1094		1.6517/1.6527	0.0006/0.0032	0.0619	1.7745/1.7755	0.5100
Connecting Rod	30 To 35 Lbs.Ft.							
Main Bearing	55 To 60 Lbs.Ft.							
11	110 CID (1.8L) SOHC Mazda 4 Cyl (1972-1978)			3.071in./78mm x 3.701in./94mm				11
	122 CID (2.0L) SOHC Mazda 4 Cyl (1979-1982)			3.150in./80mm x 3.858in./98mm				
Rod Bearing(4)	AL-3	CB-1110P	STD.,25mm.,50mm.,75mm,1.00mm	2.0842/2.0848	0.0014/0.0036	0.0596	2.2049/2.2055	0.8710
Main Bearing Set	AL-3	MS-1427AL	STD.,25mm.,50mm.,75mm,1.00mm					
1-2-4		MB-1072AL		2.4779/2.4785	0.0010/0.0034	0.0793	2.6378/2.6385	0.7140
3		MB-1073AL		2.4779/2.4785	0.0010/0.0034	0.0793	2.6378/2.6385	0.9500
5		MB-2745AL		2.4779/2.4785	0.0010/0.0034	0.0793	2.6378/2.6385	0.9500
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-231S								

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
11 (Cont.)	110 CID (1.8L) SOHC Mazda 4 Cyl (1972-1978)			3.071in./78mm x 3.701in./94mm				11 (Cont.)
	122 CID (2.0L) SOHC Mazda 4 Cyl (1979-1982)			3.150in./80mm x 3.858in./98mm				
Thrust Washer Set		TW-231S	STD					
		MB-649W(L)		2.7560/2.7760			3.3660/3.3860	0.0800
		MB-649W(U)		2.7560/2.7760			3.3660/3.3860	0.0800
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1427AL								
Cam Bearing Set	B-1	SH-1066S	STD					
1		SH-1066		1.7695/1.7701	0.0007/0.0039	0.0793	1.9295/1.9305	0.9500
2-3		SH-1067		1.7695/1.7701	0.0007/0.0039	0.0793	1.9295/1.9305	0.7140
Piston Pin Bushing(4)	C-1	223-3581	STD			0.0604	0.9850	1.1030
NOTE: Requires Boring, .8570" Inside Diameter,.9880" Outside Diameter,1.110" Length								
C/S Forging	GN, LH, 0290, JPHM							
Connecting Rod	31 Lbs.Ft.							
Main Bearing	63 Lbs.Ft.							
12	116 CID (1.9L) High Output 4 Cyl (1994-1995)			3.226in./81.94mm x 3.460in./87.9mm				12
	122 CID (2.0L) SOHC 4 Cyl (1997-2004)			3.339in./84.8mm x 3.461in./87.9mm				
Rod Bearing(4)	TM-77	CB-1380P	STD,.052mm,.25mm,.50mm,.75mm	1.7279/1.7287	0.0008/0.0025	0.0587	1.8460/1.8468	0.7680
Main Bearing Set	TM-77	MS-1706P	STD,.25mm,.50mm,.75mm					
1-2-4-5		MB-3073P		2.2827/2.2835	0.0011/0.0035	0.0838	2.4522/2.4528	0.8890
3		MB-3074P(F)		2.2827/2.2835	0.0011/0.0035	0.0838	2.4522/2.4528	1.1310
Connecting Rod	26 To 30 Lbs.Ft.							
Main Bearing	67 To 80 Lbs.Ft.							
13	116 CID (1.9L) SOHC 4 Cyl (1985-1996)			3.226in./81.94mm x 3.460in./87.9mm				13
Rod Bearing(4)	TM-77	CB-1276P	STD,.25mm,.50mm,.75mm	1.8854/1.8862	0.0011/0.0027	0.0586	2.0035/2.0043	0.7680
NOTE: 1985-1986								
Rod Bearing(4)	TM-77	CB-1380P	STD,.052mm,.25mm,.50mm,.75mm	1.7279/1.7287	0.0008/0.0025	0.0587	1.8460/1.8468	0.7680
NOTE: 1987-1996								
Main Bearing Set	TM-77	MS-1706P	STD,.25mm,.50mm,.75mm					
1-2-4-5		MB-3073P		2.2827/2.2835	0.0011/0.0035	0.0838	2.4522/2.4528	0.8890
3		MB-3074P(F)		2.2827/2.2835	0.0011/0.0035	0.0838	2.4522/2.4528	1.1310
C/S Forging	E5EE-AA							
Connecting Rod	19 To 25 Lbs.Ft.							
Main Bearing	67 To 80 Lbs.Ft.							
14	120 CID (2.0L) 40 Horsepower,L-Head 4 Cyl (1941-1942)			3.187in./80.95mm x 3.750in./95.3mm				14
Rod Bearing(4)	TM-77	CB-200P	STD,1,2,10,20,30,40,C60	2.0935/2.0945	0.0009/0.0030	0.0623	2.2195/2.2200	1.1300
Main Bearing Set	TM-77	MS-120P	STD,2,10,20,30,40					
1-3		MB-947P		2.2480/2.2490	0.0005/0.0029	0.0855	2.4200/2.4210	1.6050
2		MB-948P(F)		2.2480/2.2490	0.0005/0.0029	0.0855	2.4200/2.4210	1.8990
15	121 CID (2.0L) 4 Cyl (1983-1988)			3.516in./89.3mm x 3.125in./79.4mm				15
	140 CID (2.3L) SOHC Turbocharged 4 Cyl (1979-1989)			3.780in./96mm x 3.125in./79.4mm				
	140 CID (2.3L) SOHC LPG 4 Cyl (1984-1985)			3.780in./96mm x 3.125in./79.4mm				
	140 CID (2.3L) Special Vehicle Operation Turbocharged 4 Cyl (1984-1986)			3.780in./96mm x 3.125in./79.4mm				
Rod Bearing(4)	TM-77	CB-984P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	2.0465/2.0472	0.0005/0.0030	0.0624	2.1720/2.1728	0.8000
Main Bearing Set	TM-77	MS-1117P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm					
1-2-4-5		MB-2612P		2.3982/2.3990	0.0005/0.0031	0.0956	2.5902/2.5910	0.9500
3		MB-2613P(F)		2.3982/2.3990	0.0005/0.0031	0.0956	2.5902/2.5910	1.1950
Cam Bearing Set	AL-3	SH-777S	STD					
1-2-3-4		SH-777		1.7712/1.7720	0.0010/0.0048	0.0638	1.9006/1.9016	0.7030
Aux. Shaft Bearing Set	B-1	SH-1095S	STD					
Front		SH-1095		1.6522/1.6530	0.0007/0.0047	0.0717	1.7968/1.7980	0.5100
Rear		SH-1096		1.6522/1.6530	0.0007/0.0047	0.0619	1.7772/1.7783	0.5100
Rod Forging	D42E-AA, E43E-AA							
C/S Forging	D, 1D, 2D, E22E-BA, E2ZE-BA, E43E-AC, E4ZE-AC, E5734JN, E88E-AB, E89E-AB, XBRO-1145							
Connecting Rod	30 To 36 Lbs.Ft.							
Main Bearing	80 To 90 Lbs.Ft.							

FORD (Cont.)

FORD (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
16	121 CID (2.0L) Duratec 20 DOHC,Duratec 20E PZEV 4 Cyl (2004-2005)				3.339in./84.8mm x 3.461in./87.9mm			16	
	2261CC (2.3L) Duratec 23 DOHC 4 Cyl (2005)				3.440in./87.4mm x 3.700in./94mm				
	2261CC (2.3L) PZEV DOHC 16 Valve 4 Cyl (2003-2005)				3.440in./87.4mm x 3.700in./94mm				
Rod Bearing(4)	AL-5	CB-1838AL	STD,.25mm,.50mm	1.9677/1.9685	0.0010/0.0020	0.0598	2.0875/2.0883	0.6653	
NOTE: 138 CID (2.3L)									
Rod Bearing(4)	AL-5	CB-1839AL-.25mm	.50mm	1.9677/1.9685	0.0010/0.0020	0.0608	2.0895/2.0903	0.6653	
NOTE: 138 CID (2.3L), Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Rod Bearing(4)	AL-5	CB-1840AL	STD,.25mm,.50mm	1.8496/1.8503	0.0010/0.0020	0.0599	1.9694/1.9702	0.6653	
NOTE: 121 CID (2.0L)									
Rod Bearing(4)	AL-5	CB-1841AL-.25mm	.50mm	1.8496/1.8503	0.0010/0.0020	0.0609	1.9714/1.9722	0.6653	
NOTE: 121 CID (2.0L), Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	AL-5	MS-2245AL	STD,.25mm,.50mm	2.0464/2.0472	0.0006/0.0018	0.0992	2.2448/2.2455	0.7519	
1-2-4-5		MB-3822AL		2.0464/2.0472	0.0006/0.0018	0.0991	2.2448/2.2455	1.0140	
3		MB-3823AL(F)							
17	122 CID (2.0L) DOHC Mazda 4 Cyl (1993-1997)				3.268in./83mm x 3.622in./92mm			17	
	Rod Bearing(4)	TM-1	CB-1652P	STD,.25mm,.50mm	1.8874/1.8880	0.0009/0.0020	0.0596		2.0079/2.0085
	Main Bearing Set	TM-1	MS-2057AL	STD,.25mm,.50mm	2.2022/2.2030	0.0008/0.0022	0.0791		2.3622/2.3628
1-2-3-4-5				MB-3544AL				0.6940	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-596S									
Thrust Washer Set		TW-596S	STD	2.4507		0.1003	3.2283		
		MB-3544W							
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-2057AL									
C/S Forging		FS-2, FS07							
Connecting Rod		16 To 19 Lbs.Ft. Plus 90 Degrees							
Main Bearing		13 to 16 Lbs.Ft. Plus 90 Degrees							
18	122 CID (2.0L) SOHC Mazda Diesel 4 Cyl (1984-1987)				3.386in./86mm x 3.386in./86mm			18	
	Rod Bearing(4)	AL-3	CB-1362AL	STD,.25mm,.50mm,.75mm	2.0055/2.0061	0.0012/0.0026	0.0594		2.1261/2.1267
	Main Bearing Set	AL-3	MS-1780AL	STD,.25mm,.50mm,.75mm	2.3598/2.3605	0.0012/0.0020	0.0793		2.5198/2.5204
1-2-4-5				MB-3168AL	2.3598/2.3605	0.0012/0.0020	0.0793	2.5198/2.5204	
3				MB-3169AL				0.8270	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-464S									
Thrust Washer Set		TW-464S	STD	2.7185			3.3228	0.0810	
		MB-3169W(L)		2.7185			3.3228	0.0810	
		MB-3169W(U)							
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1780AL									
Connecting Rod		51 To 54 Lbs.Ft.							
Main Bearing		61 To 65 Lbs.Ft.							
19	1989CC (2.0L) Zetec/DOHC/16 Valve 4 Cyl (1995-2003)				3.339in./84.8mm x 3.461in./87.9mm			19	
	1989CC (2.0L) Zetec/DOHC/16 Valve CNG 4 Cyl (1996-2000)				3.339in./84.8mm x 3.461in./87.9mm				
	Rod Bearing(4)	TM-77	CB-1774P	STD,.25mm,.50mm,.75mm	1.8461/1.8468	0.0008/0.0017	0.0585	1.9642/1.9650	0.8020
Rod Bearing(4)	TM-77	CB-1793P-.25mm	.50mm,.75mm	1.8461/1.8468	0.0008/0.0017	0.0595	1.9662/1.9670	0.8020	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	TM-77	MS-2208P	STD,.25mm,.50mm,.75mm	2.2827/2.2834	0.0003/0.0016	0.0842	2.4522/2.4528	0.7710	
1-2-4-5		MB-3753P		2.2827/2.2834	0.0007/0.0030	0.0842	2.4522/2.4528	0.9730	
3		MB-3754P(F)							
C/S Forging		91K, 9166N, 90-21-0, 90TM-AA, 90TM-AB, 91TM-AA, 91A-6303-A, 91A-6303-B, 91H-6303-B							
20	134 CID (2.2L) 4 Cyl (1953-1976)				3.437in./87.3mm x 3.600in./91.4mm			20	
	134 CID (2.2L) LPG 4 Cyl (1953-1976)				3.437in./87.3mm x 3.600in./91.4mm				
	134 CID (2.2L) JE Flex 4 Cyl (1953-1976)				3.438in./87.3mm x 3.600in./91.4mm				
	172 CID (2.8L) 4 Cyl (1955-1978)				3.900in./99mm x 3.600in./91.4mm				
	172 CID (2.8L) LPG 4 Cyl (1955-1978)				3.900in./99mm x 3.600in./91.4mm				
	192 CID (3.1L) 4 Cyl (1972-1981)				4.130in./104.9mm x 3.600in./91.4mm				
	192 CID (3.1L) LPG 4 Cyl (1972-1981)				4.130in./104.9mm x 3.600in./91.4mm				
Rod Bearing(4)	TM-77	CB-535P	STD,1,2,10,20,30,40	2.2978/2.2986	0.0005/0.0031	0.0622	2.4230/2.4238	1.0390	
Main Bearing Set	TM-77	MS-466P	STD,1,2,10,20,30,40	2.4980/2.4988	0.0005/0.0031	0.0963	2.6912/2.6920	1.3300	
1-3		MB-1501P		2.4980/2.4988	0.0005/0.0031	0.0963	2.6912/2.6920	1.3300	
2		MB-1540P(F)						1.7510	

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
20 (Cont.)	134 CID (2.2L) 4 Cyl (1953-1976)			3.437in./87.3mm x 3.600in./91.4mm				20 (Cont.)
	134 CID (2.2L) LPG 4 Cyl (1953-1976)			3.437in./87.3mm x 3.600in./91.4mm				
	134 CID (2.2L) JE Flex 4 Cyl (1953-1976)			3.438in./87.3mm x 3.600in./91.4mm				
	172 CID (2.8L) 4 Cyl (1955-1978)			3.900in./99mm x 3.600in./91.4mm				
	172 CID (2.8L) LPG 4 Cyl (1955-1978)			3.900in./99mm x 3.600in./91.4mm				
	192 CID (3.1L) 4 Cyl (1972-1981)			4.130in./104.9mm x 3.600in./91.4mm				
192 CID (3.1L) LPG 4 Cyl (1972-1981)			4.130in./104.9mm x 3.600in./91.4mm					
Piston Pin Bushing(4)	B	223-3546	STD	0.0411 0.9730/0.9750 1.2500				
NOTE: Gasoline, No Oil Hole In Bearing								
Piston Pin Bushing(4)	B	223-3608	STD	0.0365 0.9730/0.9750 1.2500				
NOTE: Gasoline, Oil Hole In Bushing,Requires Light Reaming								
Rod Forging C/S Forging	CONN, 312716, EAA-6200, EAA-6205, B9NN-6205A EAF, B9NN, 310772							
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 95 To 105 Lbs.Ft.							
21	134 CID (2.2L) SOHC Mazda 4 Cyl (1989-1992)			3.386in./86mm x 3.701in./94mm				21
	134 CID (2.2L) SOHC Mazda Turbocharged 4 Cyl (1989-1992)			3.386in./86mm x 3.701in./94mm				
Rod Bearing(4)	AL-3	CB-1362AL	STD,.25mm,.50mm,.75mm	2.0055/2.0061	0.0012/0.0026	0.0594	2.1261/2.1267	0.8320
Main Bearing Set 1-2-4-5 3	AL-3	MS-1803AL MB-3174AL MB-3175AL(F)	STD,.25mm,.50mm,.75mm	2.3597/2.3604 2.3597/2.3604	0.0007/0.0030 0.0007/0.0030	0.0793 0.0793	2.5197/2.5203 2.5197/2.5203	0.7530 1.1020
NOTE: .25mm Undersize Sets Contain .10mm Oversize Length Flanged Bearing,.50mm Undersize Set Contains .18mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .26mm Oversize Length Flanged Bearing,Contains Partial Grooved Main Bearings								
C/S Forging	F201, FE-50, FE201, PROBE							
Connecting Rod Main Bearing	48 To 51 Lbs.Ft. 61 To 65 Lbs.Ft.							
22	134 CID (2.2L) SOHC 8 Valve Mazda Diesel 4 Cyl (1983-1984)			3.500in./88.9mm x 3.502in./89mm				22
Rod Bearing(4)	TM-1	CB-1441P	STD,.25mm,.50mm	2.0866/2.0874	0.0014/0.0035	0.0720	2.2321/2.2326	1.1280
Main Bearing Set 1-2-4-5 3	TM-1	MS-1778P MB-3170P MB-3171P	STD,.25mm	2.5587/2.5593 2.5587/2.5593	0.0016/0.0041 0.0016/0.0041	0.0780 0.0780	2.7165/2.7176 2.7165/2.7176	1.1300 1.1300
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-461S								
Thrust Washer Set		TW-461S MB-3171W(L) MB-3171W(U)	STD	2.8937 2.8937			3.5551 3.5551	0.0915 0.0915
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1778P								
Connecting Rod Main Bearing	50 To 54 Lbs.Ft. 80 To 85 Lbs.Ft.							
23	140 CID (2.3L) High Swirl Combustion 4 Cyl (1984-1994)			3.680in./93.5mm x 3.125in./79.4mm				23
Rod Bearing(4) NOTE: 1984-1985	TM-77	CB-583P	STD,1,10,20,30,40,G60	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Rod Bearing(4) NOTE: 1986-1994	TM-77	CB-1383P	STD,10,20,30	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set 1 2-4-5 3	TM-77	MS-1629AL MB-2986AL MB-2692AL MB-2693AL(F)	STD,10,20,30,40	2.2482/2.2490 2.2482/2.2490 2.2482/2.2490	0.0007/0.0033 0.0007/0.0033 0.0007/0.0033	0.0760 0.0760 0.0760	2.4012/2.4020 2.4012/2.4020 2.4012/2.4020	1.0200 1.0200 1.2710
NOTE: Contains Flanged Bearing, Use In Upper Half Of Position Number 3								
Cam Bearing Set 1 2-3 4	B-1	SH-1251S SH-1251 SH-1252 SH-1253	STD	2.0070/2.0080 2.0070/2.0080 2.0070/2.0080	0.0012/0.0047 0.0015/0.0045 0.0012/0.0047	0.0973 0.0894 0.0973	2.2040/2.2055 2.1885/2.1895 2.2040/2.2055	0.7200 0.7200 0.4990
Connecting Rod Main Bearing	21 To 26 Lbs.Ft. 52 To 56 Lbs.Ft.							

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
24	140 CID (2.3L) SOHC 4 Cyl (1974-1997)			3.780in./96mm x 3.125in./79.4mm				24
Rod Bearing(4)	TM-77	CB-984P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	2.0465/2.0472	0.0005/0.0030	0.0624	2.1720/2.1728	0.8000
Main Bearing Set	TM-77	MS-1117P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm					
1-2-4-5		MB-2612P		2.3982/2.3990	0.0005/0.0031	0.0956	2.5902/2.5910	0.9500
3		MB-2613P(F)		2.3982/2.3990	0.0005/0.0031	0.0956	2.5902/2.5910	1.1950
NOTE: Car 1974-1990, Truck And Industrial 1977-1988, Truck And Industrial 1989 With 1 Spark Plug Per Cylinder								
Main Bearing Set	TM-77	MS-1743P	STD,.25mm,.50mm,.75mm					
1-2-4-5		MB-3137P		2.2051/2.2059	0.0008/0.0026	0.0956	2.3971/2.3979	0.9500
3		MB-3130P(F)		2.2051/2.2059	0.0008/0.0026	0.0956	2.3971/2.3979	1.1940
NOTE: Car 1991-1993, Truck And Industrial 1990-1997, Truck And Industrial 1989 With 2 Spark Plugs Per Cylinder								
Cam Bearing Set	AL-3	SH-777S	STD					
1-2-3-4		SH-777		1.7712/1.7720	0.0010/0.0048	0.0638	1.9006/1.9016	0.7030
Aux. Shaft Bearing Set	B-1	SH-1095S	STD					
Front		SH-1095		1.6522/1.6530	0.0007/0.0047	0.0717	1.7968/1.7980	0.5100
Rear		SH-1096		1.6522/1.6530	0.0007/0.0047	0.0619	1.7772/1.7783	0.5100
Rod Forging	D42E-AA, E43E-AA							
C/S Forging	D, 1D, 2D, E2ZE-BA, E88E-AB, E89E-AB, XBRO-1145							
Connecting Rod	30 To 36 Lbs.Ft.							
Main Bearing	80 To 90 Lbs.Ft.							
25	140 CID (2.3L) SOHC Mitsubishi Turbocharged Diesel 4 Cyl (1985-1987)			3.587in./91.1mm x 3.543in./90mm				25
Rod Bearing(4)	AL-3	CB-1220P	STD,.25mm,.50mm,.75mm,1.00mm	2.0858/2.0866	0.0005/0.0028	0.0590	2.2047/2.2055	0.9840
Main Bearing Set	TM-1	MS-1430P	STD,.25mm,.50mm,.75mm					
1-2-4-5		MB-2751P		2.5976/2.5984	0.0010/0.0037	0.0782	2.7559/2.7567	0.9840
3		MB-2752P(F)		2.5976/2.5984	0.0010/0.0037	0.0782	2.7559/2.7567	1.2190
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing								
Main Bearing Set	TM-1	MS-2069P-.25mm	.50mm					
1-2-4-5		MB-2751P		2.5976/2.5984	0.0010/0.0037	0.0782	2.7559/2.7567	0.9840
3		MB-3566P(F)		2.5976/2.5984	0.0010/0.0037	0.0782	2.7559/2.7567	1.2190
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Connecting Rod	33 To 34 Lbs.Ft.							
Main Bearing	55 To 61 Lbs.Ft.							
26	144 CID (2.4L) Diesel 4 Cyl (1958-1965) 172 CID (2.8L) 172D Diesel 4 Cyl (1958-1978) 192 CID (3.1L) Diesel 4 Cyl (1972-1981)			3.563in./90.5mm x 3.600in./91.4mm 3.900in./99mm x 3.600in./91.4mm 4.130in./104.9mm x 3.600in./91.4mm				26
Rod Bearing(4)	TM-77	CB-535P	STD,1,2,10,20,30,40	2.2978/2.2986	0.0005/0.0031	0.0622	2.4230/2.4238	1.0390
Main Bearing Set	TM-77	MS-466P	STD,1,2,10,20,30,40					
1-3		MB-1501P		2.4980/2.4988	0.0005/0.0031	0.0963	2.6912/2.6920	1.3300
2		MB-1540P(F)		2.4980/2.4988	0.0005/0.0031	0.0963	2.6912/2.6920	1.7510
Rod Forging	CONN, 312716, EAA-6200, EAA-6205, B9NN-6205A							
C/S Forging	EAF, B9NN, CONN, 310772							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	110 To 115 Lbs.Ft.							
27	153 CID (2.5L) High Swirl Combustion 4 Cyl (1986-1991)			3.680in./93.5mm x 3.578in./90.8mm				27
Rod Bearing(4)	TM-77	CB-1383P	STD,10,20,30	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set	TM-77	MS-1629AL	STD,10,20,30,40					
1		MB-2986AL		2.2482/2.2490	0.0007/0.0033	0.0760	2.4012/2.4020	1.0200
2-4-5		MB-2692AL		2.2482/2.2490	0.0007/0.0033	0.0760	2.4012/2.4020	1.0200
3		MB-2693AL(F)		2.2482/2.2490	0.0007/0.0033	0.0760	2.4012/2.4020	1.2710
NOTE: Contains Flanged Bearing, Use In Upper Half Of Position Number 3								
Cam Bearing Set	B-1	SH-1251S	STD					
1		SH-1251		2.0070/2.0080	0.0012/0.0047	0.0973	2.2040/2.2055	0.7200
2-3		SH-1252		2.0070/2.0080	0.0015/0.0045	0.0894	2.1885/2.1895	0.7200
4		SH-1253		2.0070/2.0080	0.0012/0.0047	0.0973	2.2040/2.2055	0.4990
C/S Forging	E63E-AA, E63E-AB							

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
27 (Cont.)	153 CID (2.5L) High Swirl Combustion 4 Cyl (1986-1991)				3.680in./93.5mm x 3.578in./90.8mm			27 (Cont.)
Connecting Rod	21 To 26 Lbs.Ft.							
Main Bearing	52 To 56 Lbs.Ft.							
28	153 CID (2.5L) SOHC 4 Cyl (1998-2001)				3.780in./96mm x 3.397in./86.3mm			28
Rod Bearing(4)	TM-77	CB-984P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	2.0465/2.0472	0.0005/0.0030	0.0624	2.1720/2.1728	0.8000
Main Bearing Set 1-2-4-5	TM-77	MS-1743P	STD,.25mm,.50mm,.75mm	2.2051/2.2059	0.0008/0.0026	0.0956	2.3971/2.3979	0.9500
3		MB-3137P		2.2051/2.2059	0.0008/0.0026	0.0956	2.3971/2.3979	1.1940
		MB-3130P(F)						
Cam Bearing Set 1-2-3-4	AL-3	SH-777S	STD					
		SH-777		1.7712/1.7720	0.0010/0.0048	0.0638	1.9006/1.9016	0.7030
29	220 CID (3.6L) Diesel 4 Cyl (1962-1966)				3.937in./100mm x 4.527in./115mm			29
	220 CID (3.6L) Dagenham Diesel 4 Cyl (1952-1966)				3.937in./100mm x 4.527in./115mm			
Rod Bearing(4)	AL-3	CB-489AL	STD,10,20,30,40	2.4997/2.5005	0.0015/0.0035	0.0724	2.6460/2.6465	1.3400
Main Bearing Set 1-2-4	AL-3	MS-755AL	STD,10,20,30	3.0002/3.0010	0.0008/0.0036	0.0818	3.1665/3.1670	1.0500
3-5		MB-1738AL		3.0002/3.0010	0.0008/0.0036	0.0818	3.1665/3.1670	1.4250
		MB-1739AL						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-120S								
Thrust Washer Set		TW-120S	STD					
		MB-1739W(L)		3.3150/3.3250			3.8880/3.8980	0.0920
		MB-1739W(U)		3.3150/3.3250			3.8880/3.8980	0.0920
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-755AL								
Rod Forging	DDN-6200-B, DDN-6205-B, E1ADDN-6205							
Connecting Rod	55 Lbs.Ft. Plus 60 Degrees (220 CID (3.6L))							
Connecting Rod	55 To 60 Lbs.Ft. (220 CID (3.6L) Dagenham)							
Main Bearing	70 To 75 Lbs.Ft. (1/2" Bolts)							
Main Bearing	95 To 100 Lbs.Ft. (9/16" Bolts)							
6 CYL								
30	144 CID (2.4L) 6 Cyl (1960-1964)				3.500in./88.9mm x 2.500in./63.5mm			30
Rod Bearing(6)	TM-77	CB-583P	STD,1,10,20,30,40,G60	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set 1-2-4	TM-77	MS-518G	STD,10,20,30,40	2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200
3		MB-2002G		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710
		MB-2003G(F)						
Cam Bearing Set 1	B-1	SH-703S	STD					
		SH-703		1.8095/1.8105	0.0010/0.0050	0.0833	1.9780/1.9790	0.7300
2		SH-412		1.8095/1.8105	0.0010/0.0050	0.0758	1.9630/1.9640	0.7300
3		SH-413		1.8095/1.8105	0.0010/0.0050	0.0683	1.9480/1.9490	0.7300
4		SH-414		1.8095/1.8105	0.0010/0.0050	0.0608	1.9330/1.9340	0.7300
Piston Pin Bushing(4)	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
NOTE: No Oil Hole In Bushing,Requires Boring								
Rod Forging	B10, C1DE, C30E, CODE, D8BE-6205							
C/S Forging	1F, 1G, 1H, 1HA, C2DE-A, C30E-A, C30Z-A, C30Z-E, C5DE-A, CTR-CB							
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
31	149 CID (2.4L) BMW Turbocharged Diesel 6 Cyl (1984-1985)				3.150in./80mm x 3.189in./81mm			31
Main Bearing Set 1-2-3-4-5-7	TM-1	MS-1606P-.25mm		2.3610/2.3618	0.0007/0.0030	0.0983	2.5591/2.5598	0.7870
6		MB-2910P		2.3610/2.3618	0.0007/0.0030	0.0983	2.5591/2.5598	0.9820
		MB-2911P(F)						
NOTE: .25mm Undersize Set Contains .20mm Oversize Length Flanged Bearing								
Connecting Rod	14 Lbs.Ft. Plus 70 Degrees							
Main Bearing	43 To 48 Lbs.Ft.							
32	153 CID (2.5L) DOHC Mazda V6 Cyl (1993-1997)				3.327in./84.5mm x 2.913in./74mm			32
Rod Bearing(6)	TM-1	CB-1653P	STD,.25mm,.50mm	2.0843/2.0848	0.0009/0.0018	0.0595	2.2047/2.2053	0.6705
Main Bearing Set 1-2-3	TM-1	MS-2058AL	STD,.25mm,.50mm	2.4382/2.4392	0.0015/0.0025	0.0980	2.6356/2.6367	0.7090
4		MB-3545AL		2.4382/2.4392	0.0015/0.0025	0.0980	2.6356/2.6367	0.8600
		MB-3546AL						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-552S								

FORD (Cont.)

FORD (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
32 (Cont.)	153 CID (2.5L) DOHC Mazda V6 Cyl (1993-1997)			3.327in./84.5mm x 2.913in./74mm					32 (Cont.)
Thrust Washer Set		TW-552S MB-3347W	STD	2.6870			3.1496	0.0810	
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-2058AL									
33	155 CID (2.5L) Duratec/DOHC/24 Valve V6 Cyl (1995-2002) 181 CID/2967CC (3.0L) DOHC 24 VALVE Lincoln V6 Cyl (2000-2004) 181 CID/2967CC (3.0L) Duratec/DOHC/24 Valve V6 Cyl (1996-2004)			3.240in./82.3mm x 3.130in./79.5mm 3.504in./89mm x 3.130in./79.5mm 3.504in./89mm x 3.130in./79.5mm					33
Rod Bearing(6)	TM-77	CB-1772P	STD,.25mm,.50mm,.75mm	1.9670/1.9680	0.0008/0.0034	0.0594	2.0872/2.0880	0.7080	
Main Bearing Set	TM-77	MS-2207P	STD,.25mm,.50mm,.75mm						
1-2-3		MB-3750P		2.4790/2.4800	0.0003/0.0018	0.0987	2.6771/2.6779	0.7060	
4		MB-3750W						0.7067	
4		MB-3751P(F)		2.4790/2.4800	0.0003/0.0032	0.0984	2.6771/2.6780	0.8800	
NOTE: Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 4 Position									
Piston Pin Bushing(6)	C-1	223-3651	STD	0.8280		0.1300	0.9510	0.8450	
NOTE: Requires Light Reaming									
34	159 CID (2.6L) V6 Cyl (1972-1973)			3.543in./90mm x 2.625in./66.7mm					34
Rod Bearing(6)	TM-77	CB-723P	STD,10,20,30,40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490	
Rod Bearing(6)	TM-77	CB-1795P-10	20,30,40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	TM-77	MS-1983P	STD,10,20,30						
1-2-4		MB-2350P		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	0.8500	
3		MB-3416P(F)		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	1.0350	
NOTE: All Sizes Contain Standard Length Flanged Bearing									
Cam Bearing Set	B-1	SH-1386S	STD						
1		SH-1386		1.6497/1.6505	0.0015/0.0047	0.0604	1.7728/1.7740	0.7800	
2		SH-1387		1.6347/1.6355	0.0017/0.0047	0.0604	1.7580/1.7590	0.7050	
3		SH-1388		1.6197/1.6205	0.0017/0.0047	0.0604	1.7430/1.7440	0.7050	
4		SH-1389		1.6047/1.6055	0.0017/0.0047	0.0604	1.7280/1.7290	0.6000	
Rod Forging	511								
C/S Forging	11-448510								
Connecting Rod	21 To 25 Lbs.Ft.								
Main Bearing	65 To 75 Lbs.Ft.								
35	2551CC (2.6L) German V6 Cyl (1970-1976)			3.543in./90mm x 2.638in./67mm					35
Rod Bearing(6)	TM-77	CB-723P	STD,10,20,30,40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490	
Rod Bearing(6)	TM-77	CB-1795P-10	20,30,40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	TM-77	MS-860P-20							
1-2-4		MB-2350P		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	0.8500	
3		MB-2351P(F)		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	1.0350	
NOTE: 1970-1974, Thru 5/1/74, Contains .010" Oversize Length Flanged Bearing									
Main Bearing Set	TM-77	MS-1692P	STD,10,20,30						
1-2-3-4		MB-2350P		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	0.8500	
3		MB-2350W(U)		2.5039/2.5138			3.1594/3.1693	0.0930	
NOTE: 1974-1976, From 5/1/74, Contains 4 Piece Thrust Washer Set, Use In Number 3 Position,Contains Straight Shell Bearings									
Main Bearing Set	TM-77	MS-1983P	STD,10,20,30						
1-2-4		MB-2350P		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	0.8500	
3		MB-3416P(F)		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	1.0350	
NOTE: 1970-1974, Thru 5/1/74, All Sizes Contain Standard Length Flanged Bearing									
Thrust Washer Set		TW-325S	STD						
		MB-2350W(L)		2.5039/2.5138			3.1594/3.1693	0.0930	
		MB-2350W(U)		2.5039/2.5138			3.1594/3.1693	0.0930	
NOTE: 1974-1976, From 5/1/74, Contains 4 Pieces, Position Number 3									
Cam Bearing Set	B-1	SH-1386S	STD						
1		SH-1386		1.6497/1.6505	0.0015/0.0047	0.0604	1.7728/1.7740	0.7800	
2		SH-1387		1.6347/1.6355	0.0017/0.0047	0.0604	1.7580/1.7590	0.7050	
3		SH-1388		1.6197/1.6205	0.0017/0.0047	0.0604	1.7430/1.7440	0.7050	
4		SH-1389		1.6047/1.6055	0.0017/0.0047	0.0604	1.7280/1.7290	0.6000	

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
36	170 CID (2.8L) 6 Cyl (1961-1972)				3.500in./88.9mm x 2.938in./74.6mm			36
Rod Bearing(6)	TM-77	CB-583P	STD,1,10,20,30,40,G60	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set 1-2-4	TM-77	MS-518G	STD,10,20,30,40	2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200
3		MB-2002G MB-2003G(F)		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710
Cam Bearing Set 1	B-1	SH-703S	STD	1.8095/1.8105	0.0010/0.0050	0.0833	1.9780/1.9790	0.7300
2		SH-703		1.8095/1.8105	0.0010/0.0050	0.0758	1.9630/1.9640	0.7300
3		SH-412		1.8095/1.8105	0.0010/0.0050	0.0683	1.9480/1.9490	0.7300
4		SH-413 SH-414		1.8095/1.8105	0.0010/0.0050	0.0608	1.9330/1.9340	0.7300
Rod Forging	B10, C1DE, C30E, CODE, D8BE, D8BE-6205							
C/S Forging	1F, 1G, 1H, 1HA, C2DE-A, C30E-A, C30Z-A, C30Z-E, C5DE-A, CTR-CB							
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
37	171 CID (2.8L) German V6 Cyl (Car 1974-1979, Truck 1983-1986)				3.661in./93mm x 2.701in./68.6mm			37
Rod Bearing(6)	TM-77	CB-723P	STD,10,20,30,40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490
Rod Bearing(6)	TM-77	CB-1795P-10	20,30,40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4	TM-77	MS-860P-20		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	0.8500
3		MB-2350P MB-2351P(F)		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	1.0350
NOTE: Car Thru 5/1/74, Truck 1983-1986, Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1692P	STD,10,20,30	2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	0.8500
3		MB-2350P MB-2350W(U)		2.5039/2.5138			3.1594/3.1693	0.0930
NOTE: Car From 5/1/74-1979, Contains 4 Piece Thrust Washer Set, Use In Number 3 Position, Contains Straight Shell Bearings								
Main Bearing Set 1-2-4	TM-77	MS-1983P	STD,10,20,30	2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	0.8500
3		MB-2350P MB-3416P(F)		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	1.0350
NOTE: Car Thru 5/1/74, Truck 1983-1986, All Sizes Contain Standard Length Flanged Bearing								
Thrust Washer Set		TW-325S	STD	2.5039/2.5138			3.1594/3.1693	0.0930
		MB-2350W(L) MB-2350W(U)		2.5039/2.5138			3.1594/3.1693	0.0930
NOTE: Car From 5/1/74-1979, Contains 4 Pieces, Position Number 3								
Cam Bearing Set 1	B-1	SH-1386S	STD	1.6497/1.6505	0.0015/0.0047	0.0604	1.7728/1.7740	0.7800
2		SH-1386		1.6347/1.6355	0.0017/0.0047	0.0604	1.7580/1.7590	0.7050
3		SH-1387		1.6197/1.6205	0.0017/0.0047	0.0604	1.7430/1.7440	0.7050
4		SH-1388 SH-1389		1.6047/1.6055	0.0017/0.0047	0.0604	1.7280/1.7290	0.6000
NOTE: 1974-1979								
Cam Bearing Set 1	AL-3	SH-1390S	STD	1.7284/1.7293	0.0012/0.0041	0.0603	1.8514/1.8528	0.7800
2		SH-1390		1.7135/1.7143	0.0012/0.0041	0.0603	1.8364/1.8378	0.7010
3		SH-1391		1.6985/1.6993	0.0012/0.0041	0.0603	1.8215/1.8228	0.7010
4		SH-1392 SH-1393		1.6835/1.6843	0.0012/0.0041	0.0603	1.8065/1.8079	0.5980
NOTE: 1983-1986, Bearings For Position Numbers 2 And 3 Are Grooved On The Outside Diameter For Improved Oilring								
Rod Forging	511							
C/S Forging	6M, 6-H, 77A, 7HA, 8HA, 74TM, 76TM, 78TM, 81-K, 82TM, 851M, 8F28, 8MTH, 7243N, 90003C, 74TM-AA, 78TM-CA, 86TM-BA, 887652N, 88TM-BA, 7HA-6303, 82TM-HAA, 8HA-6303							
Connecting Rod	21 To 25 Lbs.Ft.							
Main Bearing	65 To 75 Lbs.Ft.							
38	177 CID (2.9L) OHV V6 Cyl (1986-1992)				3.661in./93mm x 2.831in./71.9mm			38
Rod Bearing(6)	TM-77	CB-723P	STD,10,20,30,40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490
Rod Bearing(6)	TM-77	CB-1795P-10	20,30,40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								

FORD (Cont.)

FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
38 (Cont.)	177 CID (2.9L) OHV V6 Cyl (1986-1992)			3.661in./93mm x 2.831in./71.9mm				38 (Cont.)
Main Bearing Set 1-2-4 3	TM-77	MS-860P-20 MB-2350P MB-2351P(F)		2.2433/2.2441 2.2433/2.2441	0.0006/0.0032 0.0006/0.0032	0.0711 0.0711	2.3866/2.3874 2.3866/2.3874	0.8500 1.0350
NOTE: 1986-1989, Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-4 3	TM-77	MS-1983P MB-2350P MB-3416P(F)	STD,10,20,30	2.2433/2.2441 2.2433/2.2441	0.0006/0.0032 0.0006/0.0032	0.0711 0.0711	2.3866/2.3874 2.3866/2.3874	0.8500 1.0350
NOTE: 1986-1989, All Sizes Contain Standard Length Flanged Bearing								
Main Bearing Set 1-2-4 3	AL-3	MS-2006P MB-3202P MB-3467P(F)	STD,10,20,30	2.2433/2.2441 2.2433/2.2441	0.0006/0.0032 0.0006/0.0032	0.0711 0.0711	2.3866/2.3874 2.3866/2.3874	0.8500 1.0350
NOTE: 1990-1992								
Cam Bearing Set 1 2 3 4	AL-3	SH-1390S SH-1390 SH-1391 SH-1392 SH-1393	STD	1.7284/1.7293 1.7135/1.7143 1.6985/1.6993 1.6835/1.6843	0.0012/0.0041 0.0012/0.0041 0.0012/0.0041 0.0012/0.0041	0.0603 0.0603 0.0603 0.0603	1.8514/1.8528 1.8364/1.8378 1.8215/1.8228 1.8065/1.8079	0.7800 0.7010 0.7010 0.5980
NOTE: Bearings For Position Numbers 2 And 3 Are Grooved On The Outside Diameter For Improved Oiling								
C/S Forging	09N, 1.9, 11M, 8HA, 91K, 003K, 003N, 10-B, 82TM, 851M, 8F28, 8MTH, 1174N, 9166N, 90003C, 86TM-BA, 887652N, 88TM-BA, 90-21-0, 90TM-AA, 90TM-AB, 91TM-AA, 020201A1, 82TM-HAA, 8HA-6303, 91A-6303-A, 91A-6303-B, 91H-6303-B							
Connecting Rod Main Bearing	21 To 25 Lbs.Ft. 65 To 75 Lbs.Ft.							
39	2900CC (2.9L) Merkur V6 Cyl (1988-1990)			3.661in./93mm x 2.831in./71.9mm				39
Rod Bearing(6)	TM-77	CB-723P	STD,10,20,30,40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490
Rod Bearing(6)	TM-77	CB-1795P-10	20,30,40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4 3	TM-77	MS-860P-20 MB-2350P MB-2351P(F)		2.2433/2.2441 2.2433/2.2441	0.0006/0.0032 0.0006/0.0032	0.0711 0.0711	2.3866/2.3874 2.3866/2.3874	0.8500 1.0350
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-4 3	TM-77	MS-1983P MB-2350P MB-3416P(F)	STD,10,20,30	2.2433/2.2441 2.2433/2.2441	0.0006/0.0032 0.0006/0.0032	0.0711 0.0711	2.3866/2.3874 2.3866/2.3874	0.8500 1.0350
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Cam Bearing Set 1 2 3 4	AL-3	SH-1390S SH-1390 SH-1391 SH-1392 SH-1393	STD	1.7284/1.7293 1.7135/1.7143 1.6985/1.6993 1.6835/1.6843	0.0012/0.0041 0.0012/0.0041 0.0012/0.0041 0.0012/0.0041	0.0603 0.0603 0.0603 0.0603	1.8514/1.8528 1.8364/1.8378 1.8215/1.8228 1.8065/1.8079	0.7800 0.7010 0.7010 0.5980
NOTE: Bearings For Position Numbers 2 And 3 Are Grooved On The Outside Diameter For Improved Oiling								
Connecting Rod Main Bearing	21 To 25 Lbs.Ft. 65 To 75 Lbs.Ft.							
40	183 CID (3.0L) FFV/OHV Flex V6 Cyl (1999-2003) 183 CID (3.0L) OHV V6 Cyl (1986-2004) 183 CID (3.0L) OHV Flex V6 Cyl (1993-2003)			3.504in./89mm x 3.150in./80mm 3.504in./89mm x 3.150in./80mm 3.504in./89mm x 3.150in./80mm				40
Rod Bearing(6)	TM-77	CB-1385P	STD,.25mm,.50mm,.75mm	2.1253/2.1261	0.0010/0.0027	0.0618	2.2500/2.2508	0.7630
Main Bearing Set 1-2 3 4	TM-77	MS-1702P MB-3093P MB-3094P(F) MB-3095P	STD,.25mm,.50mm,.75mm	2.5190/2.5198 2.5190/2.5198 2.5190/2.5198	0.0010/0.0023 0.0010/0.0023 0.0010/0.0023	0.0962 0.0962 0.0962	2.7120/2.7128 2.7120/2.7128 2.7120/2.7128	0.7420 1.0110 1.0690
Cam Bearing Set 1 2-3 4	B-1	SH-1789S SH-1334 SH-1335 SH-1789	STD	2.0074/2.0084 2.0074/2.0084 2.0074/2.0084	0.0010/0.0030 0.0010/0.0030 0.0010/0.0030	0.0713 0.0614 0.0713	2.1531/2.1541 2.1334/2.1344 2.1531/2.1541	0.9650 0.5420 0.5470
Rod Forging C/S Forging	E6AE-AB F58E, F5DE, E6AE-A, E6AE-B, E6AE-C, E6AE-W, F58E-B, E6AE-AH, F58E-AA, F5AE-AA, RFE 6AE							

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
40 (Cont.)	183 CID (3.0L) FFV/OHV Flex V6 Cyl (1999-2003)			3.504in./89mm x 3.150in./80mm				40 (Cont.)
	183 CID (3.0L) OHV V6 Cyl (1986-2004)			3.504in./89mm x 3.150in./80mm				
	183 CID (3.0L) OHV Flex V6 Cyl (1993-2003)			3.504in./89mm x 3.150in./80mm				
Connecting Rod		23 To 29 Lbs.Ft.						
Main Bearing		63 To 69 Lbs.Ft.						
41	183 CID (3.0L) SHO DOHC Yamaha V6 Cyl (1989-1995)			3.504in./89mm x 3.150in./80mm				41
	195 CID (3.2L) SHO DOHC Yamaha V6 Cyl (1993-1995)			3.600in./91.4mm x 3.150in./80mm				
Rod Bearing(6)	TM-77	CB-1435P	STD,.25mm,.50mm,.75mm	2.0463/2.0472	0.0009/0.0022	0.0588	2.1653/2.1660	0.7110
Main Bearing Set	TM-77	MS-1773P	STD,.25mm,.50mm					
1-4		MB-3126P		2.5187/2.5197	0.0005/0.0032	0.0785	2.6771/2.6779	0.9370
2-3		MB-3127P		2.5187/2.5197	0.0005/0.0032	0.0785	2.6771/2.6779	0.7210
NOTE: Requires Thrust Washer Set, Not Included								
C/S Forging		F5						
Connecting Rod		Step A 22 To 26 Lbs.Ft.; Step B 33 To 36 Lbs.Ft.						
Main Bearing		Step A 36 To 51 Lbs.Ft.; Step B 58 To 64 Lbs.Ft.						
42	2960CC (3.0L) VG30E SOHC Nissan V6 Cyl (1993-1998)			3.425in./87mm x 3.268in./83mm				42
	3275CC (3.3L) SOHC Nissan V6 Cyl (1999-2002)			3.602in./91.5mm x 3.268in./83mm				
Rod Bearing(6)	TM-1	CB-1591P	STD,.25mm,.50mm	1.9669/1.9675	0.0006/0.0024	0.0594	2.0866/2.0871	0.6690
Main Bearing Set	TM-1	MS-1951P	STD,.25mm,.50mm					
1		MB-3344P		2.4784/2.4793	0.0004/0.0034	0.0720	2.6238/2.6249	0.8860
2-3		MB-3345P		2.4784/2.4793	0.0004/0.0034	0.0720	2.6238/2.6249	0.7480
4		MB-3346P(F)		2.4784/2.4793	0.0004/0.0034	0.0720	2.6238/2.6249	1.1340
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing								
Main Bearing Set	TM-1	MS-2074P-.25mm	.50mm					
1		MB-2995P		2.4784/2.4793	0.0011/0.0039	0.0720	2.6238/2.6243	0.8910
2-3		MB-2996P		2.4784/2.4793	0.0011/0.0039	0.0720	2.6238/2.6243	0.7530
4		MB-3570P(F)		2.4784/2.4793	0.0011/0.0039	0.0720	2.6238/2.6243	1.1360
NOTE: All Sizes Contain Standard Length Flanged Bearing								
C/S Forging		F5, VG30						
Connecting Rod		33 To 40 Lbs.Ft.						
Main Bearing		67 To 74 Lbs.Ft.						
43	200 CID (3.3L) OHV 6 Cyl (1963-1983)			3.680in./93.5mm x 3.125in./79.4mm				43
Rod Bearing(6)	TM-77	CB-583P	STD,1,10,20,30,40,G60	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set	TM-77	MS-518G	STD,10,20,30,40					
1-2-4		MB-2002G		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200
3		MB-2003G(F)		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710
NOTE: 1963-1964								
Main Bearing Set	TM-77	MS-771G	STD,10,20,30,40					
1-2-3-4-6-7		MB-2002G		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200
5		MB-2003G(F)		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710
NOTE: 1965 Thru 5/1/75								
Main Bearing Set	TM-77	MS-1389AL	STD,10,20,30,40					
1-2-3-4-6-7		MB-2692AL		2.2482/2.2490	0.0007/0.0033	0.0760	2.4012/2.4020	1.0200
5		MB-2693AL(F)		2.2482/2.2490	0.0007/0.0033	0.0760	2.4012/2.4020	1.2710
NOTE: From 5/2/75-1983								
Cam Bearing Set	B-1	SH-703S	STD					
1		SH-703		1.8095/1.8105	0.0010/0.0050	0.0833	1.9780/1.9790	0.7300
2		SH-412		1.8095/1.8105	0.0010/0.0050	0.0758	1.9630/1.9640	0.7300
3		SH-413		1.8095/1.8105	0.0010/0.0050	0.0683	1.9480/1.9490	0.7300
4		SH-414		1.8095/1.8105	0.0010/0.0050	0.0608	1.9330/1.9340	0.7300
Rod Forging	B10, C1DE, C30E, CODE, D8BE, D8BE-6205							
C/S Forging	1F, 1G, 1H, 1HA, C2DE-A, C30E-A, C30Z-A, C30Z-E, C30E-A, C30Z-A, C30Z-E, C5DE-A							
Connecting Rod		19 To 24 Lbs.Ft.						
Main Bearing		60 To 70 Lbs.Ft.						
44	215 CID (3.5L) ,JA 6 Cyl (1952-1953)			3.563in./90.5mm x 3.609in./91.7mm				44
Rod Bearing(6)	TM-77	CB-535P	STD,1,2,10,20,30,40	2.2978/2.2986	0.0005/0.0031	0.0622	2.4230/2.4238	1.0390
Main Bearing Set	TM-77	MS-525P	STD,10,20,30					
1-2-4		MB-1499P		2.4980/2.4988	0.0002/0.0024	0.0963	2.6912/2.6920	1.1050
3		MB-1500P(F)		2.4980/2.4988	0.0002/0.0024	0.0963	2.6912/2.6920	1.3550

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
44 (Cont.)	215 CID (3.5L) ,JA 6 Cyl (1952-1953)			3.563in./90.5mm x 3.609in./91.7mm				44 (Cont.)
Cam Bearing Set 1-2-4 3	B-1	SH-534S SH-533 SH-249	STD	1.9260/1.9270 1.9260/1.9270	0.0005/0.0045 0.0005/0.0045	0.0650 0.0650	2.0575/2.0585 2.0575/2.0585	0.8900 0.8900
Piston Pin Bushing(6) NOTE: Requires Boring	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 95 To 105 Lbs.Ft.							
45	223 CID (3.7L) 6 Cyl (1954-1964)			3.625in./92.1mm x 3.609in./91.7mm				45
Rod Bearing(6) NOTE: 1954-1960	TM-77	CB-535P	STD,1,2,10,20,30,40	2.2978/2.2986	0.0005/0.0031	0.0622	2.4230/2.4238	1.0390
Rod Bearing(6) NOTE: 1961-1964	TM-77	CB-668P	STD,10,20,30,40,C60	2.2980/2.2988	0.0005/0.0031	0.0621	2.4230/2.4238	0.8490
Main Bearing Set 1-2-4 3	TM-77	MS-525P MB-1499P MB-1500P(F)	STD,10,20,30	2.4980/2.4988 2.4980/2.4988	0.0002/0.0024 0.0002/0.0024	0.0963 0.0963	2.6912/2.6920 2.6912/2.6920	1.1050 1.3550
Cam Bearing Set 1-2-3-4 NOTE: 1964;1963 Engines With Oil Feed Holes In Camshaft Journals	B-1	SH-533S SH-533	STD	1.9260/1.9270	0.0005/0.0045	0.0650	2.0575/2.0585	0.8900
Cam Bearing Set 1-2-4 3 NOTE: 1954-1962;1963 Except Engines With Oil Feed Holes In Camshaft Journals	B-1	SH-534S SH-533 SH-249	STD	1.9260/1.9270 1.9260/1.9270	0.0005/0.0045 0.0005/0.0045	0.0650 0.0650	2.0575/2.0585 2.0575/2.0585	0.8900 0.8900
Piston Pin Bushing(6) NOTE: 1961-1964, Requires Light Reaming	C-1	223-3515	STD			0.0365	0.9730/0.9750	1.2000
Piston Pin Bushing(6) NOTE: 1954-1960, Requires Boring	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
Piston Pin Bushing(6) NOTE: 1961-1964, Requires Boring	C-1	223-3609	STD			0.0460	0.9730/0.9750	1.2000
Rod Forging C/S Forging	EAA, C1AE, C3AE, EAA-6200B, EAA-6205A, C3AE-620E1, C1AE-6205D1 91K, EAA, EBF, EBP, 9166N, C1AE-B, C1AE-F, C3AE-M, C3AE-N, 90-21-0, 90TM-AA, 90TM-AB, 91TM-AA, 91A-6303-A, 91A-6303-B, 91H-6303-B							
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 95 To 105 Lbs.Ft.							
46	223 CID (3.7L) JF 6 Cyl (1954-1964)			3.625in./92.1mm x 3.609in./91.7mm				46
Rod Bearing(6) NOTE: 1954-1960	TM-77	CB-535P	STD,1,2,10,20,30,40	2.2978/2.2986	0.0005/0.0031	0.0622	2.4230/2.4238	1.0390
Rod Bearing(6) NOTE: 1961-1964	TM-77	CB-668P	STD,10,20,30,40,C60	2.2980/2.2988	0.0005/0.0031	0.0621	2.4230/2.4238	0.8490
Main Bearing Set 1-2-4 3	TM-77	MS-525P MB-1499P MB-1500P(F)	STD,10,20,30	2.4980/2.4988 2.4980/2.4988	0.0002/0.0024 0.0002/0.0024	0.0963 0.0963	2.6912/2.6920 2.6912/2.6920	1.1050 1.3550
Cam Bearing Set 1-2-3-4 NOTE: 1964;1963 Engines With Oil Feed Holes In Camshaft Journals	B-1	SH-533S SH-533	STD	1.9260/1.9270	0.0005/0.0045	0.0650	2.0575/2.0585	0.8900
Cam Bearing Set 1-2-4 3 NOTE: 1954-1962;1963 Except Engines With Oil Feed Holes In Camshaft Journals	B-1	SH-534S SH-533 SH-249	STD	1.9260/1.9270 1.9260/1.9270	0.0005/0.0045 0.0005/0.0045	0.0650 0.0650	2.0575/2.0585 2.0575/2.0585	0.8900 0.8900
Piston Pin Bushing(6) NOTE: 1961-1964, Requires Light Reaming	C-1	223-3515	STD			0.0365	0.9730/0.9750	1.2000
Piston Pin Bushing(6) NOTE: 1954-1960, Requires Boring	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
Rod Forging C/S Forging	EAA, C1AE, C3AE, EAA-A, EAA-B, EAA-6200B, EAA-6205A, C3AE-620E1, C1AE-6205D1 EAA, EBF, EBP, C1AE-B, C1AE-F, C3AE-M, C3AE-N							

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
46 (Cont.)	223 CID (3.7L) JF 6 Cyl (1954-1964)			3.625in./92.1mm x 3.609in./91.7mm				46 (Cont.)
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
47	226 CID (3.7L) L-Head 6 Cyl (1947-1951)			3.300in./83.8mm x 4.400in./111.8mm				47
Piston Pin Bushing(6)	B	223-3458	STD			0.0375	0.9080	1.3220
NOTE: Requires Boring								
48	232 CID (3.8L) V6 Cyl (1982-2004)			3.811in./96.8mm x 3.386in./86mm				48
Rod Bearing(6)	AL-5	CB-1283A-.25mm	.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0577	2.4266/2.4274	0.6660
NOTE: 1982-1995								
Rod Bearing(6)	TM-77	CB-1283P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	2.3099/2.3110	0.0002/0.0031	0.0577	2.4266/2.4274	0.6660
NOTE: 1982-1995								
Rod Bearing(6)	AL-5	CB-1667A-.25mm	.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0576	2.4266/2.4274	0.7840
NOTE: 1996-2004								
Rod Bearing(6)	TM-77	CB-1667P	STD,.026mm,.25mm,.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0576	2.4266/2.4274	0.7840
NOTE: 1996-2004								
Rod Bearing(6)	AL-5	CB-1790A-.25mm	.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0586	2.4286/2.4294	0.7840
NOTE: 1996-2004, Connecting Rods With Housing Bore Re-sized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1790P-.25mm	.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0586	2.4286/2.4294	0.7840
NOTE: 1996-2004, Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	AL-5	CB-1796A-.25mm	.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0587	2.4286/2.4294	0.6660
NOTE: 1982-1995, Connecting Rods With Housing Bore Re-sized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1796P-.25mm	.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0587	2.4286/2.4294	0.6660
NOTE: 1982-1995, Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4 3	AL-5	MS-1812A-.25mm MB-3187A MB-3188A(F)	.50mm,.75mm	2.5190/2.5198 2.5190/2.5198	0.0005/0.0023 0.0005/0.0023	0.0965 0.0965	2.7122/2.7130 2.7122/2.7130	0.8580 1.1660
Main Bearing Set 1-2-4 3	TM-77	MS-1812P MB-3187P MB-3188P(F)	STD,.25mm,.50mm,.75mm	2.5190/2.5198 2.5190/2.5198	0.0005/0.0023 0.0005/0.0023	0.0965 0.0965	2.7122/2.7130 2.7122/2.7130	0.8580 1.1660
Cam Bearing Set 1-4 2-3	B-1	SH-1197S SH-1197 SH-1198	STD	2.0505/2.0515 2.0505/2.0515	0.0008/0.0040 0.0008/0.0040	0.0698 0.0622	2.1915/2.1925 2.1765/2.1775	0.6500 0.5690
NOTE: 1982-1987								
Cam Bearing Set 1-4 2-3	AL-3	SH-1447S SH-1447 SH-1446	STD	2.0505/2.0515 2.0505/2.0515	0.0009/0.0039 0.0009/0.0039	0.0698 0.0622	2.1915/2.1925 2.1765/2.1775	0.6500 0.5500
NOTE: 1988-2004								
Balance Shaft Bearing Set Front - Rear	AL-3	SH-1526S SH-1526	STD	2.0505/2.0515	0.0009/0.0039	0.0698	2.1915/2.1925	0.6600
NOTE: 1988-2004								
Rod Forging	E2AE-AC							
C/S Forging	1P, E2AE, E3AE, E2AE-AF, E2AE-DB, E3AA-AA, E3AE-AA							
Connecting Rod	31 To 36 Lbs.Ft.							
Main Bearing	65 To 81 Lbs.Ft.							
49	232 CID (3.8L) Supercharged V6 Cyl (1989-1995)			3.811in./96.8mm x 3.386in./86mm				49
Rod Bearing(6)	AL-5	CB-1283A-.25mm	.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0577	2.4266/2.4274	0.6660
Rod Bearing(6)	TM-77	CB-1283P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	2.3099/2.3110	0.0002/0.0031	0.0577	2.4266/2.4274	0.6660
Rod Bearing(6)	AL-5	CB-1796A-.25mm	.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0587	2.4286/2.4294	0.6660
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1796P-.25mm	.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0587	2.4286/2.4294	0.6660
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								

FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
49 (Cont.)	232 CID (3.8L) Supercharged V6 Cyl (1989-1995)			3.811in./96.8mm x 3.386in./86mm				49 (Cont.)
Main Bearing Set	TM-77	MS-1782P	STD,.25mm,.50mm,.75mm					
1-2		MB-3187P		2.5190/2.5198	0.0005/0.0023	0.0965	2.7122/2.7130	0.8580
3		MB-3188P(F)		2.5190/2.5198	0.0005/0.0023	0.0965	2.7122/2.7130	1.1660
4		MB-3138P		2.5096/2.5104	0.0010/0.0028	0.1003	2.7122/2.7130	0.8580
NOTE: Bearing Caps May Require Notching								
Cam Bearing Set	AL-3	SH-1447S	STD					
1-4		SH-1447		2.0505/2.0515	0.0009/0.0039	0.0698	2.1915/2.1925	0.6500
2-3		SH-1446		2.0505/2.0515	0.0009/0.0039	0.0622	2.1765/2.1775	0.5500
Balance Shaft Bearing Set	AL-3	SH-1526S	STD					
Front - Rear		SH-1526		2.0505/2.0515	0.0009/0.0039	0.0698	2.1915/2.1925	0.6600
Piston Pin Bushing(6)	C-1	223-3645	STD			0.0800	1.0294/1.0304	0.9900
NOTE: Requires Light Reaming								
Rod Forging	E2AE-AC							
C/S Forging	1P, E2AE-DB, E3AA-AA, E9DE-BA, E9DE-BB, E9SE-CB, F0SE-AA, F4SE-BB							
Connecting Rod	31 To 36 Lbs.Ft.							
Main Bearing	65 To 81 Lbs.Ft.							
50	238 CID (3.9L) OHV V6 Cyl (2004)			3.811in./96.8mm x 3.465in./88mm				50
	256 CID (4.2L) OHV V6 Cyl (1997-2005)			3.811in./96.8mm x 3.740in./95mm				
Rod Bearing(6)	AL-5	CB-1667A-.25mm	.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0576	2.4266/2.4274	0.7840
Rod Bearing(6)	TM-77	CB-1667P	STD,.026mm,.25mm,.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0576	2.4266/2.4274	0.7840
Rod Bearing(6)	AL-5	CB-1790A-.25mm	.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0586	2.4286/2.4294	0.7840
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1790P-.25mm	.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0586	2.4286/2.4294	0.7840
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-1812A-.25mm	.50mm,.75mm					
1-2-4		MB-3187A		2.5190/2.5198	0.0005/0.0023	0.0965	2.7122/2.7130	0.8580
3		MB-3188A(F)		2.5190/2.5198	0.0005/0.0023	0.0965	2.7122/2.7130	1.1660
Main Bearing Set	TM-77	MS-1812P	STD,.25mm,.50mm,.75mm					
1-2-4		MB-3187P		2.5190/2.5198	0.0005/0.0023	0.0965	2.7122/2.7130	0.8580
3		MB-3188P(F)		2.5190/2.5198	0.0005/0.0023	0.0965	2.7122/2.7130	1.1660
Cam Bearing Set	AL-3	SH-1447S	STD					
1-4		SH-1447		2.0505/2.0515	0.0009/0.0039	0.0698	2.1915/2.1925	0.6500
2-3		SH-1446		2.0505/2.0515	0.0009/0.0039	0.0622	2.1765/2.1775	0.5500
Balance Shaft Bearing Set	AL-3	SH-1526S	STD					
Front - Rear		SH-1526		2.0505/2.0515	0.0009/0.0039	0.0698	2.1915/2.1925	0.6600
51	240 CID (4.0L) ,OHV 6 Cyl (1965-1974)			4.000in./101.6mm x 3.188in./80.98mm				51
Rod Bearing(6)	TM-77	CB-699P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0002/0.0028	0.0756	2.2750/2.2758	0.8000
Rod Bearing(6)	TM-77	CB-1799P-10	20,30,40	2.1228/2.1236	0.0002/0.0028	0.0766	2.2770/2.2778	0.8000
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-765P	STD,10,20,30					
1-2-3-4-6-7		MB-2553P		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	0.9700
5		MB-2296P(F)		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	1.1950
NOTE: 1965, 1966 Engines With 3.368" Main Bearing Flange Outside Diameter								
Main Bearing Set	TM-77	MS-979P	STD,1,10,20,30,40,C60					
1-2-3-4-6-7		MB-2553P		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	0.9700
5		MB-2554P(F)		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	1.1950
NOTE: 1967-1974, 1966 Engines With 3.567" Main Bearing Flange Outside Diameter, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set	AL-3	SH-567S	STD,10					
1-2-3-4		SH-567		2.0170/2.0180	0.0010/0.0050	0.0625	2.1440/2.1450	0.8700
52	244 CID (4.0L) OHV V6 Cyl (1990-2000)			3.953in./100.4mm x 3.307in./84mm				52
Rod Bearing(6)	TM-77	CB-723P	STD,10,20,30,40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490
Rod Bearing(6)	TM-77	CB-1795P-10	20,30,40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
52 (Cont.)	244 CID (4.0L) OHV V6 Cyl (1990-2000)			3.953in./100.4mm x 3.307in./84mm				52 (Cont.)
Main Bearing Set 1-2-4 3	AL-3	MS-2006P MB-3202P MB-3467P(F)	STD,10,20,30	2.2433/2.2441 2.2433/2.2441	0.0006/0.0032 0.0006/0.0032	0.0711 0.0711	2.3866/2.3874 2.3866/2.3874	0.8500 1.0350
Cam Bearing Set 1 2 3 4	B-1	SH-1441S SH-1441 SH-1442 SH-1443 SH-1444	STD	1.9516/1.9524 1.9374/1.9382 1.9224/1.9232 1.9071/1.9079	0.0010/0.0046 0.0008/0.0044 0.0008/0.0044 0.0010/0.0046	0.0617 0.0614 0.0614 0.0615	2.0768/2.0784 2.0618/2.0634 2.0468/2.0484 2.0319/2.0335	0.7800 0.7050 0.7050 0.5900
Rod Forging C/S Forging	OCB AD, AY, 91K, A1D, A301, B301, 9166N, 97TM-, A-6303, 90-21-0, 90TM-AA, 90TM-AB, 91TM-AA, 96TM-AA, A-6303-A, 91A-6303-A, 91A-6303-B, 91H-6303-B, 90TM-6303-AB, F5TZ-6012-AA							
Connecting Rod Main Bearing	18 To 24 Lbs.Ft. 66 To 77 Lbs.Ft.							
53	244 CID (4.0L) SOHC V6 Cyl (1997-2001)			3.953in./100.4mm x 3.307in./84mm				53
	244 CID (4.0L) SOHC Flex V6 Cyl (2002-2003)			3.953in./100.4mm x 3.307in./84mm				
Rod Bearing(6)	TM-77	CB-723P	STD,10,20,30,40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490
Rod Bearing(6)	TM-77	CB-1795P-10	20,30,40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4 3	AL-3	MS-2006P MB-3202P MB-3467P(F)	STD,10,20,30	2.2433/2.2441 2.2433/2.2441	0.0006/0.0032 0.0006/0.0032	0.0711 0.0711	2.3866/2.3874 2.3866/2.3874	0.8500 1.0350
Aux. Shaft Bearing Set Front Rear	B-1	SH-1977S SH-1977 SH-1978	STD			0.0610 0.0610	1.8522 1.8072	1.1420 0.9050
54	250 CID (4.1L) 6 Cyl (1969-1980)			3.680in./93.5mm x 3.906in./99.2mm				54
Rod Bearing(6)	TM-77	CB-583P	STD,1,10,20,30,40,G60	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set 1-2-3-4-6-7 5	TM-77	MS-979P MB-2553P MB-2554P(F)	STD,1,10,20,30,40,C60	2.3982/2.3990 2.3982/2.3990	0.0005/0.0031 0.0005/0.0031	0.0955 0.0955	2.5902/2.5910 2.5902/2.5910	0.9700 1.1950
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3 4	B-1	SH-703S SH-703 SH-412 SH-413 SH-414	STD	1.8095/1.8105 1.8095/1.8105 1.8095/1.8105 1.8095/1.8105	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0833 0.0758 0.0683 0.0608	1.9780/1.9790 1.9630/1.9640 1.9480/1.9490 1.9330/1.9340	0.7300 0.7300 0.7300 0.7300
Rod Forging C/S Forging	C9DE-A, D8DE-AA 2H, 2J, 2N, 2HA, 2NA, 2HA, 2HAB, 2NAB, 2NABC, C9DE-A							
Connecting Rod Main Bearing	21 To 26 Lbs.Ft. 60 To 70 Lbs.Ft.							
55	262 CID (4.3L) ,OHV 6 Cyl (1961-1964)			3.719in./94.5mm x 4.031in./102.4mm				55
Rod Bearing(6)	TM-77	CB-668P	STD,10,20,30,40,C60	2.2980/2.2988	0.0005/0.0031	0.0621	2.4230/2.4238	0.8490
Main Bearing Set 1-2-4 3	TM-77	MS-525P MB-1499P MB-1500P(F)	STD,10,20,30	2.4980/2.4988 2.4980/2.4988	0.0002/0.0024 0.0002/0.0024	0.0963 0.0963	2.6912/2.6920 2.6912/2.6920	1.1050 1.3550
Cam Bearing Set 1-2-3-4	B-1	SH-533S SH-533	STD	1.9260/1.9270	0.0005/0.0045	0.0650	2.0575/2.0585	0.8900
NOTE: 1964, 1963 Engines With Oil Feed Holes In Camshaft Journals								
Cam Bearing Set 1-2-4 3	B-1	SH-534S SH-533 SH-249	STD	1.9260/1.9270 1.9260/1.9270	0.0005/0.0045 0.0005/0.0045	0.0650 0.0650	2.0575/2.0585 2.0575/2.0585	0.8900 0.8900
NOTE: 1961-1962, 1963 Except Engines With Oil Feed Holes In Camshaft Journals								
Piston Pin Bushing(6)	C-1	223-3515	STD			0.0365	0.9730/0.9750	1.2000
NOTE: Requires Light Reaming								
Piston Pin Bushing(6)	C-1	223-3609	STD			0.0460	0.9730/0.9750	1.2000
NOTE: Requires Boring								

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
56	300 CID (4.9L) 6 Cyl (1965-1996)			4.000in./101.6mm x 3.980in./101.1mm				56
	300 CID (4.9L) LPG 6 Cyl (1965-1996)			4.000in./101.6mm x 3.980in./101.1mm				
Rod Bearing(6)	TM-77	CB-699P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0002/0.0028	0.0756	2.2750/2.2758	0.8000
Rod Bearing(6)	TM-77	CB-1799P-10	20,30,40	2.1228/2.1236	0.0002/0.0028	0.0766	2.2770/2.2778	0.8000
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4-6-7 5	TM-77	MS-765P MB-2553P MB-2296P(F)	STD,10,20,30	2.3982/2.3990 2.3982/2.3990	0.0005/0.0031 0.0005/0.0031	0.0955 0.0955	2.5902/2.5910 2.5902/2.5910	0.9700 1.1950
NOTE: 1965, 1966 Engines With 3.368" Main Bearing Flange Outside Diameter								
Main Bearing Set 1-2-3-4-6-7 5	TM-77	MS-979P MB-2553P MB-2554P(F)	STD,1,10,20,30,40,C60	2.3982/2.3990 2.3982/2.3990	0.0005/0.0031 0.0005/0.0031	0.0955 0.0955	2.5902/2.5910 2.5902/2.5910	0.9700 1.1950
NOTE: 1967-1996, 1966 Engines With 3.567" Main Bearing Flange Outside Diameter, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set 1-2-3-4	AL-3	SH-567S SH-567	STD,10	2.0170/2.0180	0.0010/0.0050	0.0625	2.1440/2.1450	0.8700
NOTE: Thru 5/14/85								
Cam Bearing Set 1-4 2-3	AL-3	SH-1254S SH-1254 SH-567	STD	2.0170/2.0180 2.0170/2.0180	0.0010/0.0050 0.0010/0.0050	0.0695 0.0625	2.1580/2.1589 2.1440/2.1450	0.8700 0.8700
NOTE: From 5/15/85								
57	330 CID (5.4L) 590E Dagenham Diesel 6 Cyl (1960-1966)			3.938in./100mm x 4.527in./115mm				57
	330 CID (5.4L) Dagenham Diesel 6 Cyl (1962-1966)			3.938in./100mm x 4.527in./115mm				
Rod Bearing(6)	AL-3	CB-489AL	STD,10,20,30,40	2.4997/2.5005	0.0015/0.0035	0.0724	2.6460/2.6465	1.3400
Main Bearing Set 1-2-3-5-6 4-7	AL-3	MS-756AL MB-1738AL MB-1739AL	STD,10,20,30	3.0002/3.0010 3.0002/3.0010	0.0008/0.0036 0.0008/0.0036	0.0818 0.0818	3.1665/3.1670 3.1665/3.1670	1.0500 1.4250
Thrust Washer Set		TW-120S MB-1739W(L) MB-1739W(U)	STD	3.3150/3.3250 3.3150/3.3250			3.8880/3.8980 3.8880/3.8980	0.0920 0.0920
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-756AL								
C/S Forging C4TE-6303-A								
Connecting Rod 55 To 60 Lbs.Ft.								
Main Bearing 70 To 75 Lbs.Ft. (1/2" Bolts)								
Main Bearing 95 To 100 Lbs.Ft. (9/16" Bolts)								
58	401 CID (6.6L) 401D Diesel 6 Cyl			4.400in./111.8mm x 4.406in./112mm				58
Rod Bearing(6)	TM-77	CB-757AL	STD,10,20,30,40	2.7496/2.7504	0.0015/0.0041	0.0943	2.9412/2.9420	1.4100
Main Bearing Set 1-2-3-5-6-7 4	AL-3	MS-977AL MB-2446AL MB-2447AL(F)	STD,10,20,30	3.3714/3.3722 3.3714/3.3722	0.0021/0.0043 0.0021/0.0043	0.1251 0.1251	3.6242/3.6250 3.6242/3.6250	1.1100 1.4550
Cam Bearing(5)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
59	401 CID (6.6L) 401DT Turbocharged Diesel 6 Cyl			4.400in./111.8mm x 4.406in./112mm				59
Rod Bearing(6)	TM-77	CB-1210P	STD,10,20,30	2.7496/2.7504	0.0023/0.0045	0.0948	2.9412/2.9420	1.4100
Main Bearing Set 1-2-3-5-6-7 4	AL-3	MS-977AL MB-2446AL MB-2447AL(F)	STD,10,20,30	3.3714/3.3722 3.3714/3.3722	0.0021/0.0043 0.0021/0.0043	0.1251 0.1251	3.6242/3.6250 3.6242/3.6250	1.1100 1.4550
Cam Bearing(5)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
60	401 CID (6.6L) Brazilian - Turbo Turbocharged Diesel 6 Cyl (1986-1995)			4.400in./111.8mm x 4.400in./111.8mm				60
	474 CID (7.8L) Brazilian - Turbo Turbocharged Diesel 6 Cyl (1987-1995)			4.400in./111.8mm x 5.200in./132mm				
Rod Bearing(6)	TM-112	CB-1638P	STD,10,20,30	2.7500/2.7504	0.0019/0.0027	0.0947	2.9412/2.9416	1.2500
Main Bearing Set 1-2-3-4-6-7 5	TM-112	MS-2030P MB-4004P MB-4005P(F)	STD,10,20,30	3.3713/3.3723 3.3713/3.3723	0.0019/0.0047 0.0019/0.0047	0.1250 0.1250	3.6242/3.6250 3.6242/3.6250	1.1100 1.4550
Cam Bearing(7)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
C/S Forging E5HN-6303-AC, E5HN-6303-AD, E5HN-6303-CC, E6HN-6303-CB, E6HN-6303-CC								
Connecting Rod 105 To 112 Lbs.Ft. (474 CID (7.8L) Brazilian - Turbo)								
Connecting Rod 78 To 80 Lbs.Ft. (401 CID (6.6L) Brazilian - Turbo)								
Main Bearing 140 To 150 Lbs.Ft.								

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL								
61	207 CID (3.4L) DOHC V8 Cyl (1996-1999)			3.189in./81mm x 3.071in./78mm				61
Rod Bearing(8)	TM-77	CB-1772P	STD, .25mm, .50mm, .75mm	1.9670/1.9680	0.0008/0.0034	0.0594	2.0872/2.0880	0.7080
Main Bearing Set 1-2-3-4-5	TM-77	MS-2214P MB-3750P	STD, .25mm, .50mm, .75mm	2.4790/2.4800	0.0003/0.0018	0.0987	2.6771/2.6779	0.7060
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-607S								
Thrust Washer Set 3		TW-607S MB-3769W	STD					0.0880
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2214P								
Piston Pin Bushing(8)	C-1	223-3651	STD	0.8280		0.1300	0.9510	0.8450
NOTE: Requires Light Reaming								
Rod Forging	E 0352 018							
62	221 CID (3.6L) V8 Cyl (1937-1942)			3.063in./77.8mm x 3.750in./95.3mm				62
Piston Pin Bushing(8)	B	223-3451	STD			0.0360	0.8115/0.8125	1.3220
NOTE: Requires Light Reaming, .012" Oversize Outside Diameter								
63	221 CID (3.6L) V8 Cyl (1962-1963) 255 CID (4.2L) V8 Cyl (1980-1982) 260 CID (4.3L) V8 Cyl (1962-1965) 289 CID (4.7L) LPG V8 Cyl (1965-1968) 302 CID (5.0L) V8 Cyl (1968-2001) 302 CID (5.0L) LPG V8 Cyl (1968-1986) 302 CID (5.0L) High Output V8 Cyl (1982-1995)			3.500in./88.9mm x 2.875in./73mm 3.680in./93.5mm x 3.000in./76.2mm 3.800in./96.5mm x 2.870in./72.9mm 4.000in./101.6mm x 2.870in./72.9mm 4.000in./101.6mm x 3.000in./76.2mm 4.000in./101.6mm x 3.000in./76.2mm 4.000in./101.6mm x 3.000in./76.2mm				63
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD, 1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	AL-5	MS-590A-10 MB-2121A	20,30	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122A(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set 1-2-4-5	TM-77	MS-590P MB-2121P	STD, 1,10,20,30,40	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set 1-2-4-5	TM-77	MS-1746P-10 MB-2121P	20,30	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-3124P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-510S	STD, 10	2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-510		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-511		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-512		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-513		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	C20E, C8DE, C30E-A, C3AE-D, C3AE-J, C80E-A							
C/S Forging	1J, 1M, 2J, 2M, 2N, 1MA, 2MA, 2NA, 2H-A, 2MAB, 2MAC, 2MAD, 2MAE, 2NAB, C20Z, C2OZ, C30Z, C3OZ, E1AE, E7AE, GS-M, 2NABC, C0E-A, C20E-A, C20Z-A, C2OZ-B, C30E-B, C3AE-F, C3AF-N, C3OZ-B, C80E-B, C9ZE-A, E1AE-AA, E7AE-AA							
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
64	239 CID (3.9L) L-Head V8 Cyl (1939-1953)			3.188in./80.98mm x 3.750in./95.3mm				64
	255 CID (4.2L) L-Head V8 Cyl (1949-1953)			3.188in./80.98mm x 4.000in./101.6mm				
Rod Bearing(8)	TM-77	CB-15P	STD, 1,10,20,30,40,C60	2.1380/2.1390	0.0010/0.0035	0.0755	2.2905/2.2910	0.7700
NOTE: 1949-1953								
Main Bearing Set 1-2	TM-77	MS-109P MB-352P	STD, 10,20	2.4980/2.4990	0.0009/0.0035	0.0857	2.6700/2.6720	1.5060
3		MB-1183P(F)		2.4980/2.4990	0.0010/0.0036	0.0857	2.6700/2.6720	2.2510
NOTE: 1948-1953								

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
64 (Cont.)	239 CID (3.9L) L-Head V8 Cyl (1939-1953)			3.188in./80.98mm x 3.750in./95.3mm				64 (Cont.)
	255 CID (4.2L) L-Head V8 Cyl (1949-1953)			3.188in./80.98mm x 4.000in./101.6mm				
Cam Bearing Set 1-3	B-1	SH-21S	STD	1.7960/1.7970	0.0010/0.0050	0.0654	1.9275/1.9285	1.6050
2		SH-22		1.7960/1.7970	0.0010/0.0050	0.0655	1.9275/1.9285	1.3200
Piston Pin Bushing(8)	B	223-3451	STD			0.0360	0.8115/0.8125	1.3220
NOTE: 239 CID (3.9L)(1946-1953;1939-1942),255 CID (4.2L) 1949-1953, Requires Light Reaming								
Rod Forging	8BA, 29A-6200, 99A-6200, 8BA-6200B, 8CM-6200B							
C/S Forging	29A, 29B, 8BA, 8CM, 91A, 91H, 99A, EAB, IBA, ICM, OBA, 68-6303, 99A-6303, 29A-6303A, 29B-6303B							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
65	239 CID (3.9L) OHV V8 Cyl (1954-1955)			3.500in./88.9mm x 3.100in./78.7mm				65
	256 CID (4.2L) ,JH,JJ V8 Cyl (1954-1955)			3.625in./92.1mm x 3.100in./78.7mm				
	272 CID (4.5L) V8 Cyl (1955-1958)			3.625in./92.1mm x 3.297in./83.8mm				
Rod Bearing(8)	TM-77	CB-461P	STD,1,2,10,20,30,40,50,C60	2.1880/2.1888	0.0005/0.0020	0.0617	2.3120/2.3128	0.7460
Main Bearing Set 1-2-4-5	TM-77	MS-178P	STD,10,20,30,40,C60	2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	0.9120
3		MB-1575P		2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	1.1200
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-559S	STD,10	1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.8900
2-3-4-5		SH-285		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.6300
NOTE: 239 CID (3.9L) 1955,256 CID (4.2L) 1954-1955 ,272 CID (4.5L) 1955-1958, Grooved Number 3 Camshaft Journal								
Piston Pin Bushing(8)	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
NOTE: Requires Boring								
Rod Forging	EBU, ECC, ECE, EDC, C1TE-C, C2AE-A							
C/S Forging	EC, EBU, B3C7, C1TE, C9TE, B4A-B, C1TE-F, C2AE-A, B4A-6303-B, B5A-6303-B, EBU-6303-A							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
66	279 CID (4.6L) V8 Cyl (1952-1955)			3.562in./90.5mm x 3.500in./88.9mm				66
	279 CID (4.6L) OHV V8 Cyl (1953-1955)			3.562in./90.5mm x 3.500in./88.9mm				
	317 CID (5.2L) V8 Cyl (1952-1955)			3.800in./96.5mm x 3.500in./88.9mm				
Rod Bearing(8)	TM-77	CB-462P	STD,10,20	2.2482/2.2490	0.0005/0.0030	0.0757	2.4002/2.4010	0.8140
Main Bearing Set 1-2-4		MS-432P-10	20	2.6230/2.6238	0.0007/0.0033	0.0959	2.8160/2.8168	0.9800
3		MB-1502P		2.6230/2.6238	0.0007/0.0033	0.0959	2.8160/2.8168	1.1200
5		MB-1503P(F)		2.6230/2.6238	0.0007/0.0033	0.0959	2.8160/2.8168	1.7050
Piston Pin Bushing(8)	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
NOTE: Requires Boring								
Rod Forging	B5R, ECS, ECS-F, EAD-6200D, EAD-6205A							
C/S Forging	EAD, EAM, EBJ, ECT, EDM, B616, EAB-6303, B5Q-6303A, EAD-6303C, B5A-6303-B, B5Q-6303-A, B5S-6303-A, EAD-6303-C							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	120 To 130 Lbs.Ft.							
67	281 CID (4.6L) DOHC V8 Cyl (1993-2004)			3.551in./90.2mm x 3.542in./90mm				67
	281 CID (4.6L) DOHC Supercharged/Intercooled V8 Cyl (2003-2004)			3.551in./90.2mm x 3.542in./90mm				
Rod Bearing(8)	TM-77	CB-1442P	STD,.25mm,.50mm,.75mm	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270
Rod Bearing(8)	TM-77	CB-1634P-.25mm	.50mm	2.0859/2.0867	0.0011/0.0023	0.0769	2.2408/2.2416	0.8270
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4	AL-3	MS-2198AL	STD,.25mm,.50mm	2.6568/2.6576	0.0005/0.0025	0.0967	2.8505/2.8512	0.7500
5		MB-3772AL						0.1151
5		MB-3139W		2.6568/2.6576	0.0005/0.0025	0.0967	2.8505/2.8512	0.8910
NOTE: Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use in Number 5 Position								
Piston Pin Bushing(8)		223-3620	STD			0.0525	0.8664/0.8668	0.9350
NOTE: Requires Boring								

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
67 (Cont.)	281 CID (4.6L) DOHC V8 Cyl (1993-2004)				3.551in./90.2mm x 3.542in./90mm			67 (Cont.)
	281 CID (4.6L) DOHC Supercharged/Intercooled V8 Cyl (2003-2004)				3.551in./90.2mm x 3.542in./90mm			
C/S Forging F1AE-AE, F1AE-AD-5D, F1AE-AD-7D, F1AE-AD-8D								
68	281 CID (4.6L) DOHC Ford V8 Cyl (2003-2004)				3.551in./90.2mm x 3.542in./90mm			68
Rod Bearing(8)	TM-77	CB-1442P	STD,.25mm,.50mm,.75mm	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270
Rod Bearing(8)	TM-77	CB-1634P-.25mm	.50mm	2.0859/2.0867	0.0011/0.0023	0.0769	2.2408/2.2416	0.8270
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4	AL-3	MS-2198AL	STD,.25mm,.50mm	2.6568/2.6576	0.0005/0.0025	0.0967	2.8505/2.8512	0.7500
5		MB-3772AL						0.1151
5		MB-3139W		2.6568/2.6576	0.0005/0.0025	0.0967	2.8505/2.8512	0.8910
NOTE: Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use in Number 5 Position								
Piston Pin Bushing(8)		223-3620	STD			0.0525	0.8664/0.8668	0.9350
NOTE: Requires Boring								
69	281 CID (4.6L) SOHC V8 Cyl (1991-2004)				3.551in./90.2mm x 3.542in./90mm			69
Rod Bearing(8)	TM-77	CB-1442P	STD,.25mm,.50mm,.75mm	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270
Rod Bearing(8)	TM-77	CB-1634P-.25mm	.50mm	2.0859/2.0867	0.0011/0.0023	0.0769	2.2408/2.2416	0.8270
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4	TM-77	MS-2007P	STD,.25mm,.50mm,.75mm	2.6567/2.6577	0.0005/0.0025	0.0962	2.8504/2.8513	0.7580
5		MB-3139P						0.1151
5		MB-3139W		2.6567/2.6577	0.0005/0.0025	0.0962	2.8504/2.8513	0.8900
NOTE: 1993-2004, VIN W, Cast Iron Block,Romeo Engine, Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position								
Main Bearing Set 1-2-3-4	AL-3	MS-2198AL	STD,.25mm,.50mm	2.6568/2.6576	0.0005/0.0025	0.0967	2.8505/2.8512	0.7500
5		MB-3772AL						0.1151
5		MB-3139W		2.6568/2.6576	0.0005/0.0025	0.0967	2.8505/2.8512	0.8910
NOTE: 2002-2004, VIN W, Aluminum Block,Romeo Engine, Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position								
Main Bearing Set 1	TM-77	MS-2202P	STD,.25mm,.50mm,.75mm	2.6567/2.6577	0.0003/0.0032	0.0962	2.8504/2.8513	0.7580
2-3-4-5		MB-3752P		2.6567/2.6577	0.0005/0.0025	0.0962	2.8504/2.8513	0.7580
5		MB-3139P						0.1151
NOTE: 1996-2004, VIN 6,X, Windsor Engine, Contains Straight Shell Bearings And 3 Piece Thrust Washer Set, Use In Number 5 Position								
Main Bearing Set 1-2-3-4	TM-77	MS-2204P	STD,.25mm,.50mm,.75mm	2.6567/2.6577	0.0005/0.0025	0.0962	2.8504/2.8513	0.7580
5		MB-3139P						0.1151
5		MB-3139W		2.6567/2.6577	0.0005/0.0025	0.0962	2.8504/2.8513	0.8900
NOTE: 1991-1992, VIN W, Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Romeo Engine, Use In Number 5 Position								
Piston Pin Bushing(8)	C-1	223-3620	STD			0.0525	0.8664/0.8668	0.9350
NOTE: Requires Boring								
Rod Forging	RFF1AE6205-AD							
C/S Forging	F1AE-AD, F1AE-AE, RFF1AE6306-AD							
Connecting Rod	23 Lbs.Ft. Plus 90 Degrees							
Main Bearing	24 Lbs.Ft. Plus 90 Degrees							
70	281 CID (4.6L) SOHC CNG V8 Cyl (1995-2003)				3.551in./90.2mm x 3.542in./90mm			70
Rod Bearing(8)	TM-77	CB-1442P	STD,.25mm,.50mm,.75mm	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270
Rod Bearing(8)	TM-77	CB-1634P-.25mm	.50mm	2.0859/2.0867	0.0011/0.0023	0.0769	2.2408/2.2416	0.8270
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4	TM-77	MS-2007P	STD,.25mm,.50mm,.75mm	2.6567/2.6577	0.0005/0.0025	0.0962	2.8504/2.8513	0.7580
5		MB-3139P						0.1151
5		MB-3139W		2.6567/2.6577	0.0005/0.0025	0.0962	2.8504/2.8513	0.8900
NOTE: VIN 9, Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position								

FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
70 (Cont.)	281 CID (4.6L) SOHC CNG V8 Cyl (1995-2003)			3.551in./90.2mm x 3.542in./90mm				70 (Cont.)
Piston Pin Bushing(8)	C-1	223-3620	STD			0.0525	0.8664/0.8668	0.9350
NOTE: Requires Boring								
Rod Forging	RFF1AE6205-AD							
C/S Forging	RFF1AE6306-AD							
Connecting Rod	23 Lbs.Ft. Plus 90 Degrees							
Main Bearing	24 Lbs.Ft. Plus 90 Degrees							
71	281 CID (4.6L) SOHC LPG V8 Cyl (1997-1998)			3.551in./90.2mm x 3.542in./90mm				71
	330 CID (5.4L) Triton DOHC Ford Windsor V8 Cyl (1999-2002)			3.550in./90.1mm x 4.165in./105.8mm				
	330 CID (5.4L) Triton SOHC Ford Windsor V8 Cyl (1997-2003)			3.551in./90.2mm x 4.161in./105.7mm				
	330 CID (5.4L) Triton SOHC Ford Windsor Supercharged V8 Cyl (1999-2003)			3.551in./90.2mm x 4.165in./105.8mm				
	330 CID (5.4L) Triton SOHC Ford Windsor Bi-Fuel Gas/CNG; Gas/LPG V8 Cyl (1998-2003)			3.551in./90.2mm x 4.161in./105.7mm				
	330 CID (5.4L) Triton SOHC Ford Windsor CNG V8 Cyl (1997-2003)			3.551in./90.2mm x 4.161in./105.7mm				
Rod Bearing(8)	TM-77	CB-1442P	STD,.25mm,.50mm,.75mm	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270
Rod Bearing(8)	TM-77	CB-1634P-.25mm	.50mm	2.0859/2.0867	0.0011/0.0023	0.0769	2.2408/2.2416	0.8270
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-2202P	STD,.25mm,.50mm,.75mm					
1		MB-3752P		2.6567/2.6577	0.0003/0.0032	0.0962	2.8504/2.8513	0.7580
2-3-4-5		MB-3139P		2.6567/2.6577	0.0005/0.0025	0.0962	2.8504/2.8513	0.7580
5		MB-3139W						0.1151
NOTE: Contains Straight Shell Bearings And 3 Piece Thrust Washer Set, Use In Number 5 Position								
Piston Pin Bushing(8)	C-1	223-3620	STD			0.0525	0.8664/0.8668	0.9350
NOTE: Requires Boring								
72	289 CID (4.7L) V8 Cyl (1963-1968)			4.000in./101.6mm x 2.870in./72.9mm				72
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
NOTE: 1965-1968, VIN A,C,D, 1964 2 Barrel Carburetor								
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
NOTE: 1965-1968, VIN A,C,D, 1964 2 Barrel Carburetor								
Rod Bearing(8)	TM-77	CB-676P	STD,10,20,30	2.1228/2.1236	0.0004/0.0030	0.0573	2.2390/2.2398	0.7260
NOTE: 1965-1967, VIN K, 1963-1964 4 Barrel Carburetor								
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-590A-10	20,30					
1-2-4-5		MB-2121A		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122A(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-590P	STD,1,10,20,30,40					
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-1746P-10	20,30					
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-3124P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-510S	STD,10					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
C/S Forging C2OZ, C3OZ, C2OE-A, C2OZ-B, C3AF-N, C3OE-B, C3OZ-B								
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
73	292 CID (4.8L) V8 Cyl (1955-1964)				3.750in./95.3mm x 3.297in./83.8mm			73
Rod Bearing(8)	TM-77	CB-461P	STD,1,2,10,20,30,40,50,C60	2.1880/2.1888	0.0005/0.0020	0.0617	2.3120/2.3128	0.7460
Main Bearing Set 1-2-4-5 3	TM-77	MS-178P MB-1575P MB-1621P(F)	STD,10,20,30,40,C60	2.4980/2.4988 2.4980/2.4988	0.0005/0.0031 0.0005/0.0031	0.0962 0.0962	2.6912/2.6920 2.6912/2.6920	0.9120 1.1200
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-3-4-5	B-1	SH-559S SH-285 SH-559	STD,10	1.9255/1.9265 1.9255/1.9265	0.0010/0.0050 0.0010/0.0050	0.0650 0.0650	2.0575/2.0585 2.0575/2.0585	0.8900 0.6300
NOTE: Grooved Number 3 Camshaft Journal								
Piston Pin Bushing(8)	C-1	223-3515	STD			0.0365	0.9730/0.9750	1.2000
NOTE: 1961-1964, Requires Light Reaming, 1.190" Length								
Piston Pin Bushing(8)	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
NOTE: 1955-1960, Requires Boring, 1.240" Length								
Rod Forging C/S Forging	EBU, ECC, ECE, EDC, C1TE-C, C2AE-A EC, B616, C1TE, C1TE-F, C2AE-A, C9TE-A, C1TE-F1, B5A-6303-B, B5Q-6303-A, B5S-6303-A, ECG-6303-B, ECK-6303-B, C1TE-6303F1							
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 95 To 105 Lbs.Ft.							
74	302 CID (5.0L) Boss V8 Cyl (1969-1971)				4.000in./101.6mm x 3.000in./76.2mm			74
Rod Bearing(8)	TM-77	CB-676P	STD,10,20,30	2.1228/2.1236	0.0004/0.0030	0.0573	2.2390/2.2398	0.7260
Main Bearing Set 1-2-4-5 3	AL-5	MS-590A-10 MB-2121A MB-2122A(F)	20,30	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
Main Bearing Set 1-2-4-5 3	TM-77	MS-590P MB-2121P MB-2122P(F)	STD,1,10,20,30,40	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
Main Bearing Set 1-2-4-5 3	TM-77	MS-1746P-10 MB-2121P MB-3124P(F)	20,30	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3 4 5	B-1	SH-510S SH-510 SH-511 SH-512 SH-513 SH-514	STD,10	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
C/S Forging	C9ZE-6303-A, D0ZE-6303-A							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 60 To 70 Lbs.Ft.							
75	302 CID (5.0L) OHV V8 Cyl (1956-1963)				3.625in./92.1mm x 3.656in./92.9mm			75
Rod Bearing(8)	TM-77	CB-462P	STD,10,20	2.2482/2.2490	0.0005/0.0030	0.0757	2.4002/2.4010	0.8140
Main Bearing Set 1-2-4 3 5	TM-77	MS-432P-10 MB-1502P MB-1503P(F) MB-1813P	20	2.6230/2.6238 2.6230/2.6238 2.6230/2.6238	0.0007/0.0033 0.0007/0.0033 0.0007/0.0033	0.0959 0.0959 0.0959	2.8160/2.8168 2.8160/2.8168 2.8160/2.8168	0.9800 1.1200 1.7050
Cam Bearing Set 1 2-3-4 5	B-1	SH-343S SH-343 SH-344 SH-250	STD	2.4738/2.4748 2.1238/2.1248 2.1238/2.1248	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0618 0.0618 0.0618	2.5995/2.6005 2.2495/2.2505 2.2495/2.2505	0.7700 0.7700 0.8900
Piston Pin Bushing(8)	C-1	223-3515	STD			0.0365	0.9730/0.9750	1.2000
NOTE: 1961-1963, Requires Light Reaming								
Piston Pin Bushing(8)	C-1	223-3609	STD			0.0460	0.9730/0.9750	1.2000
NOTE: Requires Boring								
Rod Forging C/S Forging	B5R, EAD, ECS, ECS-F, B5R-6200A, EAD-6200D, EAD-6205A ECS, ECU, C2TE-C, C2TE-D, 5750174, ECU-6303, EBU-6303B, ECT-6303C, C2TE-6303C, C3TE-6303B, C3TE-6303C, C3TE-6303D, EBU-6303-B, C2TE-6303-C, C3TE-6303-B, C3TE-6303-C, C3TE-6303-D							

FORD (Cont.)

FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
75 (Cont.)	302 CID (5.0L) OHV V8 Cyl (1956-1963)			3.625in./92.1mm x 3.656in./92.9mm				75 (Cont.)
Connecting Rod		45 To 50 Lbs.Ft.						
Main Bearing		120 To 130 Lbs.Ft.						
76	312 CID (5.1L) V8 Cyl (1956-1960)			3.800in./96.5mm x 3.438in./87.3mm				76
312 CID (5.1L) Supercharged V8 Cyl (1957)				3.800in./96.5mm x 3.438in./87.3mm				
Rod Bearing(8)	TM-77	CB-461P	STD,1,2,10,20,30,40,50,C60	2.1880/2.1888	0.0005/0.0020	0.0617	2.3120/2.3128	0.7460
Main Bearing Set	TM-77	MS-195P-10	20					
1-2-4-5		MB-1717P		2.6235/2.6243	0.0005/0.0029	0.0959	2.8160/2.8168	0.8720
3		MB-1718P(F)		2.6235/2.6243	0.0005/0.0029	0.0959	2.8160/2.8168	1.1200
Cam Bearing Set	B-1	SH-559S	STD,10					
1		SH-285		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.8900
2-3-4-5		SH-559		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.6300
Piston Pin Bushing(8)	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
NOTE: Requires Boring								
Rod Forging	ECZ, ECZ-6205B							
C/S Forging	ECE, ECG, ECK, ECZ							
Connecting Rod		40 To 45 Lbs.Ft.						
Main Bearing		95 To 105 Lbs.Ft.						
77	330 CID (5.4L) ,OHV V8 Cyl (1964-1978)			3.875in./98.4mm x 3.500in./88.9mm				77
361 CID (5.9L) OHV V8 Cyl (1964-1978)				4.050in./102.9mm x 3.500in./88.9mm				
391 CID (6.4L) OHV V8 Cyl (1964-1978)				4.050in./102.9mm x 3.781in./96mm				
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
Rod Bearing(8)	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-685P	STD,1,10,20,30,40,C60					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2235P(F)		2.7484/2.7492	0.0009/0.0035	0.0957	2.9412/2.9420	1.1180
NOTE: 1964-1965, .060" Undersize Set Contains .019" Oversize Length Flange Bearing,Contains 3.764"/3.824" Flange Diameter Flanged Bearing								
Main Bearing Set	TM-77	MS-863P	STD,1,10,20,30,40,C60					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2442P(F)		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	1.1180
NOTE: 1966-1978, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Cam Bearing Set	B-1	SH-781S	STD,10					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-377		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-378		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-379		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-380		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: Requires Light Reaming								
Piston Pin Bushing(8)	B	223-3598	STD			0.0411	1.0360/1.0380	1.1900
NOTE: Requires Boring								
Rod Forging	C2AE-B, C3AE-C, C5AE-B, C6AE-C, C6AE-H, C7AE-B, C7TE-B							
C/S Forging	2T, 2TA, EDD, C7TE, C0AE-B, C3AE-A, C4AE-A, C4TE-A, C4TE-B, C4TE-D, C5AE-A, C6AE-D, C6TE-A, C6TE-C, C6TE-D, C6TE-E, C7TE-A, C7TE-B, C7TE-E, D0TE-A, D1TE-A, D1TE-B, D2TE-A, D0TE-A, C7TE-EA, D2TE-AA, D2TE-EA, D3TE-AA							
Connecting Rod		40 To 45 Lbs.Ft.						
Main Bearing		95 To 105 Lbs.Ft.						
78	332 CID (5.4L) V8 Cyl (1956-1963)			3.800in./96.5mm x 3.656in./92.9mm				78
Rod Bearing(8)	TM-77	CB-462P	STD,10,20	2.2482/2.2490	0.0005/0.0030	0.0757	2.4002/2.4010	0.8140
Main Bearing Set	TM-77	MS-432P-10	20					
1-2-4		MB-1502P		2.6230/2.6238	0.0007/0.0033	0.0959	2.8160/2.8168	0.9800
3		MB-1503P(F)		2.6230/2.6238	0.0007/0.0033	0.0959	2.8160/2.8168	1.1200
5		MB-1813P		2.6230/2.6238	0.0007/0.0033	0.0959	2.8160/2.8168	1.7050

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
78 (Cont.)	332 CID (5.4L) V8 Cyl (1956-1963)			3.800in./96.5mm x 3.656in./92.9mm				78 (Cont.)
Cam Bearing Set 1	B-1	SH-343S	STD	2.4738/2.4748	0.0010/0.0050	0.0618	2.5995/2.6005	0.7700
2-3-4		SH-344		2.1238/2.1248	0.0010/0.0050	0.0618	2.2495/2.2505	0.7700
5		SH-250		2.1238/2.1248	0.0010/0.0050	0.0618	2.2495/2.2505	0.8900
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: 1958-1959, Requires Light Reaming								
Piston Pin Bushing(8)	C-1	223-3515	STD			0.0365	0.9730/0.9750	1.2000
NOTE: 1961-1963, Requires Light Reaming								
Piston Pin Bushing(8)	C-1	223-3609	STD			0.0460	0.9730/0.9750	1.2000
NOTE: 1956-1960, Requires Boring								
Rod Forging	B5R, EAD, ECS, ECS-F, B5R-6200A, EAD-6200D, EAD-6205A							
C/S Forging	ECS, ECU, C2TE-C, C2TE-D, 5750174, ECU-6303, EBU-6303B, ECT-6303C, C2TE-6303C, C3TE-6303B, C3TE-6303C, C3TE-6303D							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	120 To 130 Lbs.Ft.							
79	332 CID (5.4L) V8 Cyl (1958-1959)			4.000in./101.6mm x 3.297in./83.8mm				79
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
Rod Bearing(8)	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	TM-77	MS-445P	STD,10,20	2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2441P		2.7484/2.7492	0.0007/0.0033	0.0958	2.9412/2.9420	1.1180
NOTE: Contains 3.614"/3.684" Flange Diameter Flanged Bearing								
Cam Bearing Set 1	B-1	SH-781S	STD,10	2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-781		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-377		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-378		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-379		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
Piston Pin Bushing(8)	C-1	223-3515	STD			0.0365	0.9730/0.9750	1.2000
NOTE: Requires Light Reaming								
Piston Pin Bushing(8)	C-1	223-3609	STD			0.0460	0.9730/0.9750	1.2000
NOTE: Requires Boring								
C/S Forging	EDC, EBU-6303-B							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
80	341 CID (5.6L) V8 Cyl (1955)			3.938in./100mm x 3.500in./88.9mm				80
Rod Bearing(8)	TM-77	CB-462P	STD,10,20	2.2482/2.2490	0.0005/0.0030	0.0757	2.4002/2.4010	0.8140
Main Bearing Set 1-2-4	TM-77	MS-432P-10	20	2.6230/2.6238	0.0007/0.0033	0.0959	2.8160/2.8168	0.9800
3		MB-1502P		2.6230/2.6238	0.0007/0.0033	0.0959	2.8160/2.8168	1.1200
5		MB-1503P(F)		2.6230/2.6238	0.0007/0.0033	0.0959	2.8160/2.8168	1.7050
Rod Forging	B5R, ECS, ECS-F, EAD-6200D, EAD-6205A							
C/S Forging	EAD, EAM, EBJ, ECT, EDM, B616, EAB-6303, B5Q-6303A, EAD-6303C, B5A-6303-B, B5Q-6303-A, B5S-6303-A, EAD-6303-C							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	120 To 130 Lbs.Ft.							
81	351 CID (5.8L) Ford Cleveland LPG V8 Cyl (1971-1974)			4.000in./101.6mm x 3.500in./88.9mm				81
	351 CID (5.8L) 351C Ford Cleveland V8 Cyl (1970-1974)			4.000in./101.6mm x 3.500in./88.9mm				
	351 CID (5.8L) Boss Ford Cleveland V8 Cyl (1971)			4.000in./101.6mm x 3.500in./88.9mm				
	351 CID (5.8L) Cobra Jet Ford Cleveland V8 Cyl (1973-1974)			4.000in./101.6mm x 3.500in./88.9mm				
	351 CID (5.8L) High Output Ford Cleveland V8 Cyl (1972)			4.000in./101.6mm x 3.500in./88.9mm				
Rod Bearing(8)	TM-77	CB-927P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0625	2.4361/2.4369	0.7260

FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
81 (Cont.)	351 CID (5.8L) Ford Cleveland LPG V8 Cyl (1971-1974)				4.000in./101.6mm x 3.500in./88.9mm			81 (Cont.)
	351 CID (5.8L) 351C Ford Cleveland V8 Cyl (1970-1974)				4.000in./101.6mm x 3.500in./88.9mm			
	351 CID (5.8L) Boss Ford Cleveland V8 Cyl (1971)				4.000in./101.6mm x 3.500in./88.9mm			
	351 CID (5.8L) Cobra Jet Ford Cleveland V8 Cyl (1973-1974)				4.000in./101.6mm x 3.500in./88.9mm			
	351 CID (5.8L) High Output Ford Cleveland V8 Cyl (1972)				4.000in./101.6mm x 3.500in./88.9mm			
Main Bearing Set	TM-77	MS-1010P	STD,10,20,30					
1-2-4-5		MB-2560P		2.7484/2.7492	0.0005/0.0030	0.0962	2.9417/2.9425	0.8800
3		MB-2561P(F)		2.7484/2.7492	0.0005/0.0030	0.0962	2.9417/2.9425	1.1180
Cam Bearing Set	B-1	SH-710S	STD,10					
1		SH-710		2.1240/2.1250	0.0005/0.0045	0.0619	2.2495/2.2505	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	DOAE-A							
C/S Forging	4M, 4MA, 4MAB, DOAE-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
82	351 CID (5.8L) Ford Windsor LPG V8 Cyl (1969-1994)				4.000in./101.6mm x 3.500in./88.9mm			82
	351 CID (5.8L) 351W Ford Windsor V8 Cyl (1969-1998)				4.000in./101.6mm x 3.500in./88.9mm			
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-981P	STD,1,10,20,30,40					
1-2-4-5		MB-2557P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: 1969-1976, Full Grooved Main Bearings								
Main Bearing Set	AL-5	MS-1432A-10	20,30					
1-2-4-5		MB-2754A		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558A(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: 1977-1998, Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-1432P	STD,1,10,20,30,40					
1-2-4-5		MB-2754P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: 1977-1998, Partial Grooved Main Bearings								
Cam Bearing Set	B-1	SH-510S	STD,10					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	C90E, C90E, D60E, D60E							
C/S Forging	3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
83	351 CID (5.8L) 351M V8 Cyl (1975-1982)				4.000in./101.6mm x 3.500in./88.9mm			83
	351 CID (5.8L) 351M LPG V8 Cyl (1975-1982)				4.000in./101.6mm x 3.500in./88.9mm			
	400 CID (6.6L) OHV V8 Cyl (1971-1982)				4.000in./101.6mm x 4.000in./101.6mm			
	400 CID (6.6L) OHV LPG V8 Cyl (1972-1982)				4.000in./101.6mm x 4.000in./101.6mm			
Rod Bearing(8)	TM-77	CB-927P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0625	2.4361/2.4369	0.7260
Main Bearing Set	TM-77	MS-981P	STD,1,10,20,30,40					
1-2-4-5		MB-2557P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: 1971-1976, Full Grooved Main Bearings								
Main Bearing Set	AL-5	MS-1432A-10	20,30					
1-2-4-5		MB-2754A		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558A(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: 1977-1982, Partial Grooved Main Bearings								

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
83 (Cont.)	351 CID (5.8L) 351M V8 Cyl (1975-1982)			4.000in./101.6mm x 3.500in./88.9mm				83 (Cont.)
	351 CID (5.8L) 351M LPG V8 Cyl (1975-1982)			4.000in./101.6mm x 3.500in./88.9mm				
	400 CID (6.6L) OHV V8 Cyl (1971-1982)			4.000in./101.6mm x 4.000in./101.6mm				
	400 CID (6.6L) OHV LPG V8 Cyl (1972-1982)			4.000in./101.6mm x 4.000in./101.6mm				
Main Bearing Set	TM-77	MS-1432P	STD,1,10,20,30,40					
1-2-4-5		MB-2754P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: 1977-1982, Partial Grooved Main Bearings								
Cam Bearing Set	B-1	SH-710S	STD,10					
1		SH-710		2.1240/2.1250	0.0005/0.0045	0.0619	2.2495/2.2505	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	D1AE-A							
C/S Forging	1K, 5M, 8M, SM, 1KA, 5MA, 5MAB, D7AE, 5MABC, D7AE-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	35 To 45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	95 To 105 Lbs.Ft. (1/2" Bolts)							
84	351 CID (5.8L) High Output Cobra V8 Cyl (1995)			4.000in./101.6mm x 3.500in./88.9mm				84
	351 CID (5.8L) High Performance Ford Windsor V8 Cyl (1993-1996)			4.000in./101.6mm x 3.500in./88.9mm				
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-1432A-10	20,30					
1-2-4-5		MB-2754A		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558A(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-1432P	STD,1,10,20,30,40					
1-2-4-5		MB-2754P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Partial Grooved Main Bearings								
Cam Bearing Set	B-1	SH-510S	STD,10					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
C/S Forging	E4AE-BA							
85	352 CID (5.8L) V8 Cyl (1958-1967)			4.000in./101.6mm x 3.500in./88.9mm				85
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
Rod Bearing(8)	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-445P	STD,10,20					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-1825P(F)		2.7484/2.7492	0.0007/0.0033	0.0958	2.9412/2.9420	1.1180
NOTE: 1958-1963, Contains 3.614"/3.684" Flange Diameter Flanged Bearing								
Main Bearing Set	TM-77	MS-685P	STD,1,10,20,30,40,C60					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2235P(F)		2.7484/2.7492	0.0009/0.0035	0.0957	2.9412/2.9420	1.1180
NOTE: 1964-1965, .060" Undersize Set Contains .019" Oversize Length Flange Bearing,Contains 3.764"/3.824" Flange Diameter Flanged Bearing								
Main Bearing Set	TM-77	MS-863P	STD,1,10,20,30,40,C60					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2442P(F)		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	1.1180
NOTE: 1966-1967, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								

FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
85 (Cont.)	352 CID (5.8L) V8 Cyl (1958-1967)			4.000in./101.6mm x 3.500in./88.9mm				85 (Cont.)
Cam Bearing Set	B-1	SH-781S	STD,10					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-377		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-378		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-379		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-380		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: Requires Light Reaming								
Piston Pin Bushing(8)	B	223-3598	STD			0.0411	1.0360/1.0380	1.1900
NOTE: Requires Boring								
Rod Forging	EDC, C0AE, C1AE-A, C7TE-A, C1AE-6205A							
C/S Forging	A, 2T, 2TA, EDD, C3AE, C4AE, C5AE, C0AE-B							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
86	359 CID (5.9L) OHV V8 Cyl (1974-1975)			4.050in./102.9mm x 3.500in./88.9mm				86
	360 CID (5.9L) V8 Cyl (1976)			4.050in./102.9mm x 3.500in./88.9mm				
	389 CID (6.4L) OHV V8 Cyl (1975-1978)			4.050in./102.9mm x 3.781in./96mm				
	410 CID (6.7L) V8 Cyl (1966-1967)			4.050in./102.9mm x 3.984in./101.2mm				
	428 CID (7.0L) V8 Cyl			4.130in./104.9mm x 3.984in./101.2mm				
	428 CID (7.0L) Cobra Jet V8 Cyl (1966-1970)			4.130in./104.9mm x 3.984in./101.2mm				
	428 CID (7.0L) Super Cobra Jet V8 Cyl (1969-1970)			4.130in./104.9mm x 3.984in./101.2mm				
428 CID (7.0L) Thunderbird V8 Cyl (1966-1968)			4.130in./104.9mm x 3.984in./101.2mm					
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
Rod Bearing(8)	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-863P	STD,1,10,20,30,40,C60					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2442P(F)		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	1.1180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Cam Bearing Set	B-1	SH-781S	STD,10					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-377		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-378		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-379		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-380		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: Requires Light Reaming, .966" Inside Diameter,1.037" Outside Diameter,1.240" Length								
Piston Pin Bushing(8)	B	223-3598	STD			0.0411	1.0360/1.0380	1.1900
NOTE: Requires Boring, .960" Inside Diameter,1.042" Outside Diameter,1.190" Length								
Rod Forging	EDC, COME, C1AE-A, C2AE-B, C3AE-B, C3AE-C, C3AE-F, C3VE-A, C5AE-B, C6AE-A, C6AE-C, C7AE-B, C7AE-C, C7TE-A, C3AE-6200B, C3AE-6205A, C3VY-6200A							
C/S Forging	1U, 2T, 1UA, 1UB, 2TA, EDD, C0AE-B, C3AE-A, C4AE-A, C5AE-A, C8AE-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
87	361 CID (5.9L) Super Express V8 Cyl (1958-1959)			4.050in./102.9mm x 3.500in./88.9mm				87
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
Rod Bearing(8)	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-445P	STD,10,20					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-1825P(F)		2.7484/2.7492	0.0007/0.0033	0.0958	2.9412/2.9420	1.1180
NOTE: Contains 3.614"/3.684" Flange Diameter Flanged Bearing								

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
87 (Cont.)	361 CID (5.9L) Super Express V8 Cyl (1958-1959)				4.050in./102.9mm x 3.500in./88.9mm			87 (Cont.)
Cam Bearing Set 1	B-1	SH-781S	STD,10	2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-781		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-377		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-378		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-379		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
		SH-380						
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: Requires Light Reaming								
Piston Pin Bushing(8)	B	223-3598	STD			0.0411	1.0360/1.0380	1.1900
NOTE: Requires Boring								
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.							
88	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Turbocharged/Intercooled Diesel V8 Cyl (2003-2004)				3.740in./95mm x 4.134in./105mm			88
Rod Bearing(8)	TM-77	CB-1814P	STD,.25mm,.50mm,.75mm	2.7165/2.7170	0.0006/0.0035	0.0780	2.8735/2.8744	0.8310
Rod Bearing(8)	TM-77	CB-1815P-.25mm	.50mm,.75mm	2.7165/2.7170	0.0006/0.0035	0.0790	2.8755/2.8764	0.8310
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-5	TM-77	MS-2223P	STD,.25mm,.50mm,.75mm	3.1886/3.1894	0.0015/0.0041	0.0976	3.3854/3.3862	0.8465
4		MB-3787P		3.1886/3.1894	0.0015/0.0041	0.0976	3.3854/3.3862	1.1180
		MB-3788P(F)						
Cam Bearing Set 1-2-3-4-5	B-1	SH-1996S	STD	2.4404/2.4415	0.0013/0.0060	0.0774	2.5976/2.5992	0.7480
		SH-1996						
89	368 CID (6.0L) V8 Cyl (1956-1957)				4.000in./101.6mm x 3.656in./92.9mm			89
Rod Bearing(8)	TM-77	CB-462P	STD,10,20	2.2482/2.2490	0.0005/0.0030	0.0757	2.4002/2.4010	0.8140
Main Bearing Set 1-2-4	TM-77	MS-432P-10	20	2.6230/2.6238	0.0007/0.0033	0.0959	2.8160/2.8168	0.9800
3		MB-1502P		2.6230/2.6238	0.0007/0.0033	0.0959	2.8160/2.8168	1.1200
5		MB-1503P(F)		2.6230/2.6238	0.0007/0.0033	0.0959	2.8160/2.8168	1.7050
		MB-1813P						
Cam Bearing Set 1-5	B-1	SH-344S	STD	2.1238/2.1248	0.0010/0.0050	0.0618	2.2495/2.2505	0.8900
2-3-4		SH-250		2.1238/2.1248	0.0010/0.0050	0.0618	2.2495/2.2505	0.7700
		SH-344						
Rod Forging	B5R, EAD, ECS, ECS-F, B5R-6200A, EAD-6200D, EAD-6205A							
C/S Forging	ECS, ECU, C2TE-C, C2TE-D, 5750174, ECU-6303, EBU-6303B, ECT-6303C, C2TE-6303C, C3TE-6303B, C3TE-6303C, C3TE-6303D							
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 120 To 130 Lbs.Ft.							
90	370 CID (6.1L) ,OHV V8 Cyl (1979-1991)				4.046in./102.8mm x 3.590in./91.2mm			90
	429 CID (7.0L) V8 Cyl (1979-1993)				4.360in./110.7mm x 3.590in./91.2mm			
	429 CID (7.0L) Boss V8 Cyl (1970)				4.360in./110.7mm x 3.590in./91.2mm			
	429 CID (7.0L) Cobra Jet V8 Cyl (1970-1973)				4.360in./110.7mm x 3.590in./91.2mm			
	429 CID (7.0L) OHV V8 Cyl (1979-1998)				4.360in./110.7mm x 3.590in./91.2mm			
	429 CID (7.0L) OHV LPG V8 Cyl (1990-1998)				4.360in./110.7mm x 3.590in./91.2mm			
	429 CID (7.0L) Special V8 Cyl (1969-1970)				4.360in./110.7mm x 3.590in./91.2mm			
	429 CID (7.0L) Super Cobra Jet V8 Cyl (1971)				4.360in./110.7mm x 3.590in./91.2mm			
	429 CID (7.0L) Thunder Jet V8 Cyl (1968-1973)				4.360in./110.7mm x 3.590in./91.2mm			
	460 CID (7.5L) V8 Cyl (1968-1998)				4.360in./110.7mm x 3.850in./97.8mm			
	460 CID (7.5L) LPG V8 Cyl (1973-1992)				4.360in./110.7mm x 3.850in./97.8mm			
Rod Bearing(8)	TM-77	CB-818P	STD,1,10,20,30,40	2.4992/2.5000	0.0005/0.0031	0.0761	2.6522/2.6530	0.8660
NOTE: Except Engine Tag 820S								
Rod Bearing(8)	TM-77	CB-1802P-10	20,30	2.4992/2.5000	0.0005/0.0031	0.0771	2.6542/2.6550	0.8660
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock,Except Engine Tag 820S								
Main Bearing Set 1-2-4-5	TM-77	MS-1039P	STD,1,10,20,30,40	2.9994/3.0002	0.0007/0.0033	0.0958	3.1922/3.1930	0.9500
3		MB-2564P		2.9994/3.0002	0.0007/0.0033	0.0958	3.1922/3.1930	1.1200
		MB-2565P(F)						
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1111S	STD,10	2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.6000
		SH-1111						

FORD (Cont.)

FORD (Cont.)										
COUNTER DATA				SHOP DATA						
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length		
8 CYL (Cont.)										
90 (Cont.)	370 CID (6.1L) ,OHV V8 Cyl (1979-1991)			4.046in./102.8mm x 3.590in./91.2mm					90 (Cont.)	
	429 CID (7.0L) V8 Cyl (1979-1993)			4.360in./110.7mm x 3.590in./91.2mm						
	429 CID (7.0L) Boss V8 Cyl (1970)			4.360in./110.7mm x 3.590in./91.2mm						
	429 CID (7.0L) Cobra Jet V8 Cyl (1970-1973)			4.360in./110.7mm x 3.590in./91.2mm						
	429 CID (7.0L) OHV V8 Cyl (1979-1998)			4.360in./110.7mm x 3.590in./91.2mm						
	429 CID (7.0L) OHV LPG V8 Cyl (1990-1998)			4.360in./110.7mm x 3.590in./91.2mm						
	429 CID (7.0L) Special V8 Cyl (1969-1970)			4.360in./110.7mm x 3.590in./91.2mm						
	429 CID (7.0L) Super Cobra Jet V8 Cyl (1971)			4.360in./110.7mm x 3.590in./91.2mm						
	429 CID (7.0L) Thunder Jet V8 Cyl (1968-1973)			4.360in./110.7mm x 3.590in./91.2mm						
	460 CID (7.5L) V8 Cyl (1968-1998)			4.360in./110.7mm x 3.850in./97.8mm						
460 CID (7.5L) LPG V8 Cyl (1973-1992)			4.360in./110.7mm x 3.850in./97.8mm							
Cam Bearing Set 1-2-3-4-5				AL-3 SH-1766S SH-1766	STD	2.1238/2.1248	0.0011/0.0050	0.0694	2.2645/2.2655	0.6300
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.2645"/2.2655"										
Rod Forging C/S Forging C8VE, D6VE, D9TE, C8VE-A, D00E-A H, 1V, 2Y, 3Y, 4U, 1VA, 2YA, 30R, 31M, 4UA, 4UB, ZYA, 1VAB, 1YAB, 2YAB, 3YAB, 4UAB, C8VE, 2NABC, 2YABC, 31-87, 3281N, C8SE-A, C8VE-A, C9AE-A, C9AE-B, D9TE-B, 2Y68-76, 329880N, D9TE-AA, D9TE-BA, D9TE-EA										
Connecting Rod Main Bearing 40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.										
91	383 CID (6.3L) V8 Cyl (1958-1960)			4.300in./109.2mm x 3.297in./83.8mm					91	
	410 CID (6.7L) OHV V8 Cyl (1958)			4.203in./106.8mm x 3.703in./94.1mm						
	430 CID (7.0L) V8 Cyl (1958-1965)			4.300in./109.2mm x 3.703in./94.1mm						
	462 CID (7.6L) V8 Cyl (1966-1968)			4.380in./111.3mm x 3.830in./97.3mm						
Rod Bearing(8)				TM-77 CB-521P	STD,10	2.5992/2.6000	0.0007/0.0033	0.0760	2.7522/2.7530	0.8620
C/S Forging EDF, EDG, EDJ, EDS, C1VE, C2VE, C3VE, C1VE-A, C2VE-A, C3VE-A, C9ZE-C, C9ZE-D, EDG-6303, C6VE-6303-A										
Connecting Rod 40 To 45 Lbs.Ft. (462 CID (7.6L))										
Connecting Rod 45 To 50 Lbs.Ft. (383 CID (6.3L) ,410 CID (6.7L) OHV,430 CID (7.0L))										
Main Bearing 95 To 105 Lbs.Ft.										
92	390 CID (6.4L) V8 Cyl (1961-1976)			4.050in./102.9mm x 3.781in./96mm					92	
Rod Bearing(8)				TM-77 CB-756P	STD,10,20	2.4380/2.4388	0.0024/0.0050	0.0750	2.5907/2.5915	0.7460
NOTE: 1961-1963, Special Engine										
Rod Bearing(8)				TM-77 CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
NOTE: Except 1961-1963 Special Engine										
Rod Bearing(8)				TM-77 CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock,Except 1961-1963 Special Engine										
Main Bearing Set 1-2-4-5				TM-77 MS-445P MB-2441P	STD,10,20	2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3				MB-1825P(F)		2.7484/2.7492	0.0007/0.0033	0.0958	2.9412/2.9420	1.1180
NOTE: 1961-1963, Contains 3.614"/3.684" Flange Diameter Flanged Bearing										
Main Bearing Set 1-2-4-5				TM-77 MS-685P MB-2441P	STD,1,10,20,30,40,C60	2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3				MB-2235P(F)		2.7484/2.7492	0.0009/0.0035	0.0957	2.9412/2.9420	1.1180
NOTE: 1964-1965, .060" Undersize Set Contains .019" Oversize Length Flange Bearing,Contains 3.764"/3.824" Flange Diameter Flanged Bearing										
Main Bearing Set 1-2-4-5				TM-77 MS-863P MB-2441P	STD,1,10,20,30,40,C60	2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3				MB-2442P(F)		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	1.1180
NOTE: 1966-1976, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings										
Cam Bearing Set 1				B-1 SH-781S SH-781	STD,10	2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2				SH-377		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3				SH-378		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4				SH-379		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5				SH-380		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
Piston Pin Bushing(8)				B 223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: Car 1961-1971, Except Special 4, 6, And 8 Barrel Carburetors,Police Car, Truck And Industrial 1967-1976, Requires Light Reaming										

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
92 (Cont.)	390 CID (6.4L) V8 Cyl (1961-1976)			4.050in./102.9mm x 3.781in./96mm				92 (Cont.)
Piston Pin Bushing(8)	C-1	223-3504	STD			0.0480	1.3040/1.3060	1.5400
NOTE: 1961-1968, Special Engine, Requires Light Reaming								
Rod Forging	C1AE-B, C2AE-B							
C/S Forging	C1AE-A, C2AE-2, C2AE-B, C2AE-D, C3AE-B, C3AE-C, C3AE-E							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
93	401 CID (6.6L) V8 Cyl (1958-1976)			4.125in./104.8mm x 3.750in./95.3mm				93
	475 CID (7.8L) V8 Cyl (1973-1979)			4.500in./114.3mm x 3.750in./95.3mm				
	477 CID (7.8L) V8 Cyl (1958-1981)			4.500in./114.3mm x 3.750in./95.3mm				
	534 CID (8.8L) V8 Cyl (1958-1981)			4.500in./114.3mm x 4.200in./106.7mm				
Rod Bearing(8)	TM-77	CB-615P	STD,10,20,30,C40,C60	2.7092/2.7100	0.0013/0.0039	0.0962	2.9032/2.9040	0.8920
NOTE: 1961-1981, 1960 With 2.710" Diameter Connecting Rod Journal								
Main Bearing Set	TM-77	MS-443P	STD,10,20,30					
1-2-4-5		MB-1820P		3.1246/3.1254	0.0013/0.0039	0.0956	3.3176/3.3184	1.1050
3		MB-1821P(F)		3.1246/3.1254	0.0009/0.0035	0.0958	3.3176/3.3184	1.2730
Cam Bearing Set	B-1	SH-369S	STD					
1		SH-369		2.4740/2.4750	0.0010/0.0050	0.0630	2.6020/2.6030	0.6800
2-3-4-5		SH-370		2.3700/2.3710	0.0010/0.0050	0.0630	2.4980/2.4990	0.6800
Piston Pin Bushing(8)	C-1	223-3504	STD			0.0480	1.3040/1.3060	1.5400
NOTE: Requires Light Reaming								
Rod Forging	EDL, B9TE							
C/S Forging	EDL, EDN, C1TE-B, C1TE-C, C2TE-A, C2TE-B, EDL-6303A, EDN-6303A, C1TE-6303B, C1TE-6303C, C2TE-6303A, C2TZ-6303A, C2TZ-6303B, EDL-6303-A, EDN-6303-A, C1TE-6303-B, C1TE-6303-C							
Connecting Rod	60 To 65 Lbs.Ft.							
Main Bearing	130 To 150 Lbs.Ft. (475 CID (7.8L))							
Main Bearing	150 Lbs.Ft. (401 CID (6.6L) ,477 CID (7.8L) ,534 CID (8.8L))							
94	406 CID (6.7L) V8 Cyl (1962-1963)			4.130in./104.9mm x 3.781in./96mm				94
Rod Bearing(8)	TM-77	CB-756P	STD,10,20	2.4380/2.4388	0.0024/0.0050	0.0750	2.5907/2.5915	0.7460
Main Bearing Set	TM-77	MS-445P	STD,10,20					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-1825P(F)		2.7484/2.7492	0.0007/0.0033	0.0958	2.9412/2.9420	1.1180
NOTE: Contains 3.614"/3.684" Flange Diameter Flanged Bearing								
Cam Bearing Set	B-1	SH-781S	STD,10					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-377		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-378		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-379		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-380		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: Requires Light Reaming								
Rod Forging	C1AE-B, C2AE-B							
C/S Forging	C1AE-A, C2AE-2, C2AE-B, C2AE-D, C3AE-B, C3AE-C, C3AE-E							
Connecting Rod	53 To 58 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
95	420 CID (6.9L) Navistar Diesel V8 Cyl (1983-1987)			4.000in./101.6mm x 4.180in./106.2mm				95
	444 CID (7.3L) Indirect Injection Navistar Diesel V8 Cyl (1988-1994)			4.110in./104.4mm x 4.180in./106.2mm				
	444 CID (7.3L) Indirect Injection Navistar Turbocharged Diesel V8 Cyl (1992-1994)			4.110in./104.4mm x 4.180in./106.2mm				
Rod Bearing(8)	TM-112	CB-1327P	STD,10,20,30,40	2.4980/2.4990	0.0011/0.0041	0.0952	2.6905/2.6915	0.8880
Main Bearing Set	TM-112	MS-1596P	STD,10,20,30,40					
1-2-4-5		MB-2934P		3.1228/3.1236	0.0021/0.0049	0.0949	3.3152/3.3162	0.8750
3		MB-2935P(F)		3.1228/3.1236	0.0021/0.0049	0.0949	3.3152/3.3162	1.1300
Cam Bearing Set	AL-3	SH-1092S	STD					
1		SH-1092		2.0990/2.1000	0.0009/0.0054	0.0638	2.2305/2.2320	0.7900
2-3-4-5		SH-1093		2.0990/2.1000	0.0009/0.0054	0.0638	2.2305/2.2320	0.6550

FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
95 (Cont.)	420 CID (6.9L) Navistar Diesel V8 Cyl (1983-1987)				4.000in./101.6mm x 4.180in./106.2mm			95 (Cont.)
	444 CID (7.3L) Indirect Injection Navistar Diesel V8 Cyl (1988-1994)				4.110in./104.4mm x 4.180in./106.2mm			
	444 CID (7.3L) Indirect Injection Navistar Turbocharged Diesel V8 Cyl (1992-1994)				4.110in./104.4mm x 4.180in./106.2mm			
Piston Pin Bushing(8)	C-1	223-3583	STD			0.1580	1.2375/1.2380	1.0780
NOTE: Requires Boring								
C/S Forging	1A, 11M, 17M, 1AA, 140N, 176H, 188A, 202B, 2MAE, 2 MAE, 11M-14, 1803420C1, 1805420C1, 1809954C1, 1816975C1, 1802224C92, 1802224C93, 1812320C91, 13111-03010-D							
Connecting Rod	Step A 38 Lbs.Ft.; Step B 51 Lbs.Ft. (444 CID (7.3L))							
Connecting Rod	Step A 38 Lbs.Ft.; Step B 54 Lbs.Ft. (420 CID (6.9L))							
Main Bearing	Step A 75 Lbs.Ft.; Step B 95 Lbs.Ft.							
96	427 CID (7.0L) High Performance V8 Cyl (1963-1968)				4.233in./107.5mm x 3.781in./96mm			96
Rod Bearing(8)	TM-77	CB-756P	STD,10,20	2.4380/2.4388	0.0024/0.0050	0.0750	2.5907/2.5915	0.7460
NOTE: 1963-1967 Except Engines With C70E-6200A Connecting Rod And C9AZ-6303D Crankshaft								
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
NOTE: 1968 Except Engines With Connecting Rod C70E-2700A And Crankshaft C9AZ-6303D								
Rod Bearing(8)	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: 1968, Connecting Rods With Housing Bore Resized .002" Larger Than Stock,Except Engines With Connecting Rod C70E-2700A And Crankshaft C9AZ-6303D								
Main Bearing Set	TM-77	MS-445P	STD,10,20					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-1825P(F)		2.7484/2.7492	0.0007/0.0033	0.0958	2.9412/2.9420	1.1180
NOTE: 1963, Contains 3.614"/3.684" Flange Diameter Flanged Bearing								
Main Bearing Set	TM-77	MS-685P	STD,1,10,20,30,40,C60					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2235P(F)		2.7484/2.7492	0.0009/0.0035	0.0957	2.9412/2.9420	1.1180
NOTE: 1964-1965, .060" Undersize Set Contains .019" Oversize Length Flange Bearing,Contains 3.764"/3.824" Flange Diameter Flanged Bearing								
Main Bearing Set	TM-77	MS-863P	STD,1,10,20,30,40,C60					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2442P(F)		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	1.1180
NOTE: 1966-1968, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Cam Bearing Set	B-1	SH-643S	STD					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-643		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-644		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-645		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-646		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
NOTE: 1966-1968, Wedge Head Engine								
Cam Bearing Set	B-1	SH-781S	STD,10					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-377		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-378		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-379		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-380		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
NOTE: 1963-1965								
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: 1963-1967, Requires Light Reaming								
Piston Pin Bushing(8)	C-1	223-3504	STD			0.0480	1.3040/1.3060	1.5400
NOTE: 1963-1967, Requires Light Reaming								
Rod Forging	C2AE-B, C3AE-B, C3AE-C, C3AE-F, C5AE-B							
C/S Forging	C3AE-G, C4AE-B, C4AE-C, C4AE-E, C4AE-H, C4AZ-A, C4AZ-J, C4TZ-A, C4TZ-B, C5AE-C, C8AE-B							
Connecting Rod	53 To 58 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							

FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
97	427 CID (7.0L) Super High Output V8 Cyl (1963-1967)				4.233in./107.5mm x 3.781in./96mm			97
Rod Bearing(8)	TM-77	CB-756P	STD,10,20	2.4380/2.4388	0.0024/0.0050	0.0750	2.5907/2.5915	0.7460
NOTE: Except Engines With C70E-6200A Connecting Rod And C9AZ-6303D Crankshaft								
Main Bearing Set	TM-77	MS-445P	STD,10,20					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-1825P(F)		2.7484/2.7492	0.0007/0.0033	0.0958	2.9412/2.9420	1.1180
NOTE: 1963, Contains 3.614"/3.684" Flange Diameter Flanged Bearing								
Main Bearing Set	TM-77	MS-685P	STD,1,10,20,30,40,C60					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2235P(F)		2.7484/2.7492	0.0009/0.0035	0.0957	2.9412/2.9420	1.1180
NOTE: 1964-1965, .060" Undersize Set Contains .019" Oversize Length Flange Bearing,Contains 3.764"/3.824" Flange Diameter Flanged Bearing								
Main Bearing Set	TM-77	MS-863P	STD,1,10,20,30,40,C60					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2442P(F)		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	1.1180
NOTE: 1966-1967, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Cam Bearing Set	B-1	SH-643S	STD					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-643		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-644		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-645		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-646		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
NOTE: 1966-1967, Wedge Head Engine								
Cam Bearing Set	B-1	SH-781S	STD,10					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-377		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-378		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-379		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-380		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
NOTE: 1963-1965								
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: Requires Light Reaming								
Piston Pin Bushing(8)	C-1	223-3504	STD			0.0480	1.3040/1.3060	1.5400
NOTE: Requires Light Reaming								
Rod Forging	C2AE-B, C3AE-B, C3AE-C, C3AE-F, C5AE-B							
C/S Forging	C3AE-G, C4AE-B, C4AE-C, C4AE-E, C4AE-H, C4AZ-A, C4AZ-J, C4TZ-A, C4TZ-B, C5AE-C, C8AE-B							
Connecting Rod	53 To 58 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
98	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Turbocharged/Intercooled Diesel V8 Cyl (1994-2003)				4.110in./104.4mm x 4.180in./106.2mm			98
Rod Bearing(8)	TM-112	CB-1633P	STD,10,20,30,40	2.4980/2.4990	0.0016/0.0046	0.0952	2.6905/2.6915	0.9640
Main Bearing Set	TM-112	MS-2034P	STD,10,20,30					
1-2-3-4		MB-3497P		3.1228/3.1236	0.0018/0.0046	0.0949	3.3152/3.3162	0.9330
5		MB-3498P(F)		3.1228/3.1236	0.0018/0.0046	0.0949	3.3152/3.3162	1.2380
Cam Bearing Set	AL-3	SH-1092S	STD					
1		SH-1092		2.0990/2.1000	0.0009/0.0054	0.0638	2.2305/2.2320	0.7900
2-3-4-5		SH-1093		2.0990/2.1000	0.0009/0.0054	0.0638	2.2305/2.2320	0.6550
Piston Pin Bushing(8)	C-1	223-3652	STD			0.0760	1.4320/1.4330	1.1520
NOTE: Requires Light Reaming								
C/S Forging	1A, 1AA, 188A, 202B, 2MAE, 2 MAE, 1805420C1, 1809954C1, 1816975C1, 1812320C91							
Connecting Rod	80 Lbs.Ft.							
Main Bearing	95 Lbs.Ft.							
99	522 CID (8.6L) V150 Caterpillar Diesel V8 Cyl (1968-1971)				4.500in./114.3mm x 4.100in./104.1mm			99
	522 CID (8.6L) V175 Caterpillar Diesel V8 Cyl (1968-1975)				4.500in./114.3mm x 4.100in./104.1mm			
	573 CID (9.4L) V200 Caterpillar Diesel V8 Cyl (1968-1975)				4.500in./114.3mm x 4.500in./114.3mm			
	636 CID (10.4L) V225 Caterpillar Diesel V8 Cyl (1970-1976)				4.500in./114.3mm x 5.000in./127mm			
Rod Bearing(8)	TM-112	CB-972P	STD,10,20,30,40	2.7496/2.7504	0.0018/0.0046	0.0948	2.9413/2.9423	0.9550

FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
99 (Cont.)	522 CID (8.6L) V150 Caterpillar Diesel V8 Cyl (1968-1971)			4.500in./114.3mm x 4.100in./104.1mm				99 (Cont.)
	522 CID (8.6L) V175 Caterpillar Diesel V8 Cyl (1968-1975)			4.500in./114.3mm x 4.100in./104.1mm				
	573 CID (9.4L) V200 Caterpillar Diesel V8 Cyl (1968-1975)			4.500in./114.3mm x 4.500in./114.3mm				
	636 CID (10.4L) V225 Caterpillar Diesel V8 Cyl (1970-1976)			4.500in./114.3mm x 5.000in./127mm				
Main Bearing Set	TM-112	MS-1421P	STD,10,20,30					
1-2-3-5		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000
4		MB-2735P(F)		3.4990/3.5000	0.0013/0.0043	0.1028	3.7070/3.7080	1.2530
NOTE: Early Engine, Contains Upper Half Flanged Bearing, 1.253" Lgth. Upr. Half Flanged								
Main Bearing Set	TM-112	MS-1592P	STD,20					
1-2-3-5		MB-2929P		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.0000
4		MB-2930P(F)		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.2530
NOTE: Early Engine, .010" Oversize On Outside Diameter,1.253" Lgth. Upr. Half Flanged								
Cam Bearing Set	AL-3	SH-1245S	STD					
1-2-3-4-5		SH-1245		2.4995/2.5005	0.0004/0.0010	0.0750	2.6520/2.6530	0.7600
NOTE: Early Engine								
10 CYL								
100	415 CID (6.8L) SOHC Ford Windsor V10 Cyl (1997-2004)			3.550in./90.1mm x 4.161in./105.7mm				100
Rod Bearing(10)	TM-77	CB-1442P	STD,.25mm,.50mm,.75mm	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270
Rod Bearing(10)	TM-77	CB-1634P-.25mm	.50mm	2.0859/2.0867	0.0011/0.0023	0.0769	2.2408/2.2416	0.8270
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-2203P	STD,.25mm,.50mm,.75mm					
1		MB-3752P		2.6567/2.6577	0.0003/0.0032	0.0962	2.8504/2.8513	0.7580
2-3-4-5-6		MB-3139P		2.6567/2.6577	0.0005/0.0025	0.0962	2.8504/2.8513	0.7580
6		MB-3139W						0.1151
NOTE: Contains 3 Piece Thrust Washer Set, Use In Number 6 Position								
Piston Pin	C-1	223-3620	STD			0.0525	0.8664/0.8668	0.9350
Bushing(10)								
NOTE: Requires Boring								
Connecting Rod				30 To 33 Lbs.Ft. Plus 90 To 120 Degrees (Requires New Connecting Rod Bolts)				

FORD TRACTOR					
ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
3 CYL			4 CYL (Cont.)		
152 Perkins 152 CID (2.5L)	3.600in./91.4mmX5.000in./127mm	1	233 233 CID (3.8L)	4.200in./106.7mmX4.203in./106.8mm	7
158 158 CID (2.6L)	4.200in./106.7mmX3.813in./96.9mm	2	233 233 CID (3.8L) Diesel	4.200in./106.7mmX4.203in./106.8mm	7
158 158 CID (2.6L) Diesel	4.200in./106.7mmX3.813in./96.9mm	2	233 233 CID (3.8L) LPG	4.200in./106.7mmX4.203in./106.8mm	7
158 158 CID (2.6L) LPG	4.200in./106.7mmX3.813in./96.9mm	2	240 Dorset British Ford 3759CC (3.8L) Diesel	4.016in./102mmX4.527in./115mm	8
175 175 CID (2.9L)	4.200in./106.7mmX4.203in./106.8mm	2			
175 175 CID (2.9L) Diesel	4.200in./106.7mmX4.203in./106.8mm	2	242 Dorset British Ford 242 CID/3966CC (4.0L) Diesel	4.125in./104.8mmX4.527in./115mm	8
175 175 CID (2.9L) LPG	4.200in./106.7mmX4.203in./106.8mm	2			
183 183 CID (3.0L) Diesel	4.200in./106.7mmX4.203in./106.8mm	2	254 Dorset British Ford 254 CID/4161CC (4.2L) Diesel	4.221in./107.21mmX4.527in./115mm	8
192 192 CID (3.1L)	4.406in./112mmX4.203in./106.8mm	2			
192 192 CID (3.1L) Diesel	4.406in./112mmX4.203in./106.8mm	2	256 256 CID (4.2L)	4.406in./112mmX4.203in./106.8mm	7
192 192 CID (3.1L) LPG	4.406in./112mmX4.203in./106.8mm	2	256 256 CID (4.2L) Diesel	4.406in./112mmX4.203in./106.8mm	7
201 201 CID (3.3L)	4.406in./112mmX4.406in./112mm	2	256 256 CID (4.2L) Diesel Turbocharged	4.406in./112mmX4.203in./106.8mm	9
201 201 CID (3.3L) Diesel	4.406in./112mmX4.406in./112mm	2	Dagenham 120 CID (2.0L)	3.188in./80.98mmX3.750in./95.3mm	4
201 201 CID (3.3L) LPG	4.406in./112mmX4.406in./112mm	2			
4 CYL			6 CYL		
120 120 CID (2.0L)	3.187in./80.95mmX3.750in./95.3mm	3	223 223 CID (3.7L)	3.625in./92.1mmX3.609in./91.7mm	10
134 134 CID (2.2L)	3.437in./87.3mmX3.600in./91.4mm	5	223 223 CID (3.7L) LPG	3.625in./92.1mmX3.609in./91.7mm	10
134 134 CID (2.2L) Flex	3.437in./87.3mmX3.600in./91.4mm	5	242 242 CID (4.0L) Diesel	3.625in./92.1mmX3.906in./99.2mm	11
144 144 CID (2.4L) Diesel	3.562in./90.5mmX3.600in./91.4mm	6	360 Dorset Dorset Diesel 5638CC (5.6L) Diesel	4.016in./102mmX4.527in./115mm	12
172 172 CID (2.8L)	3.900in./99mmX3.600in./91.4mm	5	362 Dorset British Ford 5974CC (6.0L) Diesel	4.134in./105mmX4.527in./115mm	12
172 172 CID (2.8L) Flex	3.900in./99mmX3.600in./91.4mm	5			
172 172 CID (2.8L) Diesel	3.900in./99mmX3.600in./91.4mm	6	363 Dorset British Ford 363 CID/5952CC (5.9L) Diesel Turbocharged	4.125in./104.8mmX4.527in./115mm	12
192 192 CID (3.1L)	4.130in./104.9mmX3.600in./91.4mm	6			
192 192 CID (3.1L) Diesel	4.130in./104.9mmX3.600in./91.4mm	6			

FORD TRACTOR

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
3 CYL			4 CYL (Cont.)		
152 Perkins 152 CID (2.5L)	3.600in./91.4mmX5.000in./127mm	1	233 233 CID (3.8L)	4.200in./106.7mmX4.203in./106.8mm	7
158 158 CID (2.6L)	4.200in./106.7mmX3.813in./96.9mm	2	233 233 CID (3.8L) Diesel	4.200in./106.7mmX4.203in./106.8mm	7
158 158 CID (2.6L) Diesel	4.200in./106.7mmX3.813in./96.9mm	2	233 233 CID (3.8L) LPG	4.200in./106.7mmX4.203in./106.8mm	7
158 158 CID (2.6L) LPG	4.200in./106.7mmX3.813in./96.9mm	2	240 Dorset British Ford 3759CC (3.8L) Diesel	4.016in./102mmX4.527in./115mm	8
175 175 CID (2.9L)	4.200in./106.7mmX4.203in./106.8mm	2	242 Dorset British Ford 242 CID/3966CC (4.0L) Diesel	4.125in./104.8mmX4.527in./115mm	8
175 175 CID (2.9L) Diesel	4.200in./106.7mmX4.203in./106.8mm	2	254 Dorset British Ford 254 CID/4161CC (4.2L) Diesel	4.221in./107.21mmX4.527in./115mm	8
175 175 CID (2.9L) LPG	4.200in./106.7mmX4.203in./106.8mm	2	256 256 CID (4.2L)	4.406in./112mmX4.203in./106.8mm	7
183 183 CID (3.0L) Diesel	4.200in./106.7mmX4.203in./106.8mm	2	256 256 CID (4.2L) Diesel	4.406in./112mmX4.203in./106.8mm	7
192 192 CID (3.1L)	4.406in./112mmX4.203in./106.8mm	2	256 256 CID (4.2L) Diesel Turbocharged	4.406in./112mmX4.203in./106.8mm	9
192 192 CID (3.1L) Diesel	4.406in./112mmX4.203in./106.8mm	2	Dagenham 120 CID (2.0L)	3.188in./80.98mmX3.750in./95.3mm	4
192 192 CID (3.1L) LPG	4.406in./112mmX4.203in./106.8mm	2	6 CYL		
201 201 CID (3.3L)	4.406in./112mmX4.406in./112mm	2	223 223 CID (3.7L)	3.625in./92.1mmX3.609in./91.7mm	10
201 201 CID (3.3L) Diesel	4.406in./112mmX4.406in./112mm	2	223 223 CID (3.7L) LPG	3.625in./92.1mmX3.609in./91.7mm	10
201 201 CID (3.3L) LPG	4.406in./112mmX4.406in./112mm	2	242 242 CID (4.0L) Diesel	3.625in./92.1mmX3.906in./99.2mm	11
4 CYL			360 Dorset Dorset Diesel 5638CC (5.6L) Diesel	4.016in./102mmX4.527in./115mm	12
120 120 CID (2.0L)	3.187in./80.95mmX3.750in./95.3mm	3	362 Dorset British Ford 5974CC (6.0L) Diesel	4.134in./105mmX4.527in./115mm	12
134 134 CID (2.2L)	3.437in./87.3mmX3.600in./91.4mm	5	363 Dorset British Ford 363 CID/5952CC (5.9L) Diesel Turbocharged	4.125in./104.8mmX4.527in./115mm	12
134 134 CID (2.2L) Flex	3.437in./87.3mmX3.600in./91.4mm	5			
144 144 CID (2.4L) Diesel	3.562in./90.5mmX3.600in./91.4mm	6			
172 172 CID (2.8L)	3.900in./99mmX3.600in./91.4mm	5			
172 172 CID (2.8L) Flex	3.900in./99mmX3.600in./91.4mm	5			
172 172 CID (2.8L) Diesel	3.900in./99mmX3.600in./91.4mm	6			
192 192 CID (3.1L)	4.130in./104.9mmX3.600in./91.4mm	6			
192 192 CID (3.1L) Diesel	4.130in./104.9mmX3.600in./91.4mm	6			

FORD TRACTOR (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			8 CYL		
380 Dorset British Ford 380	4.221in./107.21mmX4.519in./114.8mm	12	V555 Cummins 555 CID (9.1L) Diesel	4.625in./117.5mmX4.125in./104.8mm	16
CID/6222CC (6.2L) Diesel			V903 Cummins 903 CID (14.8L) Diesel	5.500in./139.7mmX4.750in./120.7mm	17
401 401 CID (6.6L) Diesel	4.406in./112mmX4.406in./112mm	13			
401 401 CID (6.6L) Diesel Turbocharged	4.406in./112mmX4.406in./112mm	14			
BSD666 401 CID (6.6L) Diesel	4.400in./111.8mmX4.400in./111.8mm	15			
BSD 476 CID (7.8L) Diesel	4.406in./112mmX5.200in./132mm	15			
Turbocharged					

MODEL DATA

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
2N Base Model	Wheel Tractor	120 CID (2.0L) 120	3	620 Base Model	Combine	233 CID (3.8L) 233	7
8N Base Model	Wheel Tractor	120 CID (2.0L) 120	3	620 Base Model	Combine	256 CID (4.2L) 256 Diesel	7
9N Base Model	Wheel Tractor	120 CID (2.0L) Dagenham	4	621 Base Model	Wheel Tractor	134 CID (2.2L) 134	5
17-1 Base Model	Combine	223 CID (3.7L) 223	10	621D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6
17-1 Base Model	Combine	242 CID (4.0L) 242 Diesel	11	622 Base Model	Combine	233 CID (3.8L) 233	7
230 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2	622 Base Model	Combine	256 CID (4.2L) 256 Diesel	7
230 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2	630 Base Model	Wheel Tractor	134 CID (2.2L) 134	5
231 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2	631 Base Model	Wheel Tractor	134 CID (2.2L) 134	5
231 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2	631D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6
233 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2	640 Base Model	Wheel Tractor	134 CID (2.2L) 134	5
233 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2	641 Base Model	Wheel Tractor	134 CID (2.2L) 134	5
234 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2	641D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6
234 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2	650 Base Model	Wheel Tractor	134 CID (2.2L) 134	5
333 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2	650 Base Model	Wheel Tractor	233 CID (3.8L) 233	7
333 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2	650 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7
334 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2	651 Base Model	Wheel Tractor	134 CID (2.2L) 134	5
334 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2	651D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6
335 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2	655 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7
335 Base Model	Loader	175 CID (2.9L) 175 Diesel	2	655A Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7
340 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2	660 Base Model	Wheel Tractor	134 CID (2.2L) 134	5
340 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2	661 Base Model	Wheel Tractor	134 CID (2.2L) 134	5
340 B	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	661 Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6
420 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2	661D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6
420 Base Model	Loader	175 CID (2.9L) 175 Diesel	2	671 Base Model	Wheel Tractor	134 CID (2.2L) 134	5
431 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	671 Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6
445 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2	671D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6
445 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2	681 Base Model	Wheel Tractor	134 CID (2.2L) 134	5
445 A	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	681D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6
500 Base Model	Wheel Tractor	134 CID (2.2L) 134	5	700 Base Model	Wheel Tractor	134 CID (2.2L) 134	5
500 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	700 Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6
500D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6	700D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6
500K Base Model	Wheel Tractor	134 CID (2.2L) 134	5	700K Base Model	Wheel Tractor	134 CID (2.2L) 134	5
501 Base Model	Wheel Tractor	134 CID (2.2L) 134	5	701D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6
501D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6	740 Tri. Base Model	Wheel Tractor	134 CID (2.2L) 134	5
515 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	741 Base Model	Wheel Tractor	134 CID (2.2L) 134	5
530A Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	741D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6
531 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	750 Base Model	Wheel Tractor	233 CID (3.8L) 233	7
532 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	750 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	9
535 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	755 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	9
540 Base Model	Wheel Tractor	158 CID (2.6L) 158	2	771 Base Model	Wheel Tractor	134 CID (2.2L) 134	5
540 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2	771 Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6
540 B	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	771D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6
541 Base Model	Wheel Tractor	134 CID (2.2L) 134	5	800 Base Model	Wheel Tractor	172 CID (2.8L) 172	5
541D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6	800D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	6
545 A	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	800K Base Model	Wheel Tractor	172 CID (2.8L) 172	5
550 Base Model	Loader	201 CID (3.3L) 201 Diesel	2	801 Base Model	Wheel Tractor	172 CID (2.8L) 172	5
555 B	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	801D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	6
600 Base Model	Wheel Tractor	134 CID (2.2L) 134	5	811 Base Model	Wheel Tractor	172 CID (2.8L) 172	5
600 Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6	811D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	6
600D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6	820 Base Model	Wheel Tractor	172 CID (2.8L) 172	5
600K Base Model	Wheel Tractor	134 CID (2.2L) 134	5	820D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	6
601 Base Model	Wheel Tractor	134 CID (2.2L) 134	5	821 Base Model	Wheel Tractor	172 CID (2.8L) 172	5
601 Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6	821D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	6
611 Base Model	Wheel Tractor	134 CID (2.2L) 134	5	840 Base Model	Wheel Tractor	172 CID (2.8L) 172	5
611D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6	840D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	6
620 Base Model	Wheel Tractor	134 CID (2.2L) 134	5	841 Base Model	Wheel Tractor	172 CID (2.8L) 172	5

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FORD TRACTOR (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
4120D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	6	8400 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	13
4121 Base Model	Wheel Tractor	172 CID (2.8L) 172	5	8600 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	13
4121D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	6	8700 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	13
4130 Base Model	Wheel Tractor	172 CID (2.8L) 172	5	9000 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	14
4130D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	6	9200 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	14
4131 Base Model	Wheel Tractor	172 CID (2.8L) 172	5	9260 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	14
4131D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	6	9400 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	14
4140 Base Model	Wheel Tractor	172 CID (2.8L) 172	5	9600 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	14
4140 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	9700 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	14
4140D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	6	20301 Base Model	Wheel Tractor	134 CID (2.2L) 134	5
4190 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	20302 Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6
4200 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	20303 Base Model	Wheel Tractor	134 CID (2.2L) 134	5
4400 Base Model	Wheel Tractor	172 CID (2.8L) 172	5	20304 Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6
4400 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	20305 Base Model	Wheel Tractor	134 CID (2.2L) 134	5
4400D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	6	20306 Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6
4410 Base Model	Wheel Tractor	172 CID (2.8L) 172	5	40000 Series Base Model	Wheel Tractor	172 CID (2.8L) 172	5
4410 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	60000 Series Base Model	Wheel Tractor	223 CID (3.7L) 223	10
4410D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	6	60000 Series Base Model	Wheel Tractor	242 CID (4.0L) 242 Diesel	11
4500 Base Model	Wheel Tractor	172 CID (2.8L) 172	5	A62 Base Model	Loader	256 CID (4.2L) 256 Diesel	7
4500 Base Model	Wheel Tractor	192 CID (3.1L) 192	2	A64 Base Model	Loader	401 CID (6.6L) 401 Diesel	13
4500 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	A66 Base Model	Loader	401 CID (6.6L) 401 Diesel	13
4500D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	6	County Super 4 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7
4600 SU	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	Dexta 957E Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	6
4610 SU	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	Dexta 2000 Base Model	Wheel Tractor	152 CID (2.5L) 152 Perkins	1
4630 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	Dexta 2000 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2
5000 Base Model	Wheel Tractor	233 CID (3.8L) 233	7	Dexta 2000 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2
5000 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7	FW30 Base Model	Wheel Tractor	903 CID (14.8L) V903 Cummins Diesel	17
5100 Base Model	Wheel Tractor	233 CID (3.8L) 233	7	FW40 Base Model	Wheel Tractor	903 CID (14.8L) V903 Cummins Diesel	17
5100 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7	FW60 Base Model	Wheel Tractor	903 CID (14.8L) V903 Cummins Diesel	17
5190 Base Model	Wheel Tractor	233 CID (3.8L) 233	7	FW-20 Base Model	Wheel Tractor	555 CID (9.1L) V555 Cummins Diesel	16
5190 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7	Force 2000 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2
5200 Base Model	Wheel Tractor	233 CID (3.8L) 233	7	Force 2000 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2
5200 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7	Force 3000 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2
5500 Base Model	Wheel Tractor	233 CID (3.8L) 233	7	Force 3000 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2
5500 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7	Force 4000 Base Model	Wheel Tractor	192 CID (3.1L) 192 Diesel	2
5550 Base Model	Wheel Tractor	233 CID (3.8L) 233	7	Force 4000 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2
5550 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7	Force 5000 Base Model	Wheel Tractor	233 CID (3.8L) 233	7
5600 Base Model	Wheel Tractor	233 CID (3.8L) 233	7	Force 5000 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7
5600 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7	Ford Tractor Base Model	Engine	158 CID (2.6L) 158	2
5610 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7	Ford Tractor Base Model	Engine	175 CID (2.9L) 175	2
5700 Base Model	Wheel Tractor	233 CID (3.8L) 233	7	Ford Tractor Base Model	Engine	192 CID (3.1L) 192	2
5700 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7	Ford Tractor Base Model	Engine	192 CID (3.1L) 192 Diesel	6
5900 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7	Ford Tractor Base Model	Engine	201 CID (3.3L) 201	2
6000 Base Model	Wheel Tractor	223 CID (3.7L) 223	10	Ford Tractor Base Model	Engine	242 CID/3966CC (4.0L) Diesel	8
6000 Base Model	Wheel Tractor	242 CID (4.0L) 242 Diesel	11	Ford Tractor Base Model	Engine	254 CID/4161CC (4.2L) Diesel	8
6000 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7	Ford Tractor Base Model	Engine	254 Dorset British Ford Diesel	8
6500 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7	Ford Tractor Base Model	Engine	363 CID/5952CC (5.9L) Diesel	12
6600 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7	Ford Tractor Base Model	Engine	363 Dorset British Ford Diesel	12
6610 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7	Ford Tractor Base Model	Engine	380 CID/6222CC (6.2L) Diesel	12
6700 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7	Ford Tractor Base Model	Engine	380 Dorset British Ford Diesel	12
6710 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7				
7000 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	9				
7100 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	9				
7200 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	9				
7500 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	9				
7600 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	9				
7610 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	9				
7700 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	9				
7710 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	9				
7810 Base Model	Wheel Tractor	401 CID (6.6L) BSD666 Diesel	15				
7910 Base Model	Wheel Tractor	401 CID (6.6L) BSD666 Diesel	15				
8000 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	13				
8200 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	13				
8210 Base Model	Wheel Tractor	401 CID (6.6L) BSD666 Diesel	15				
8260 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	13				

FORD TRACTOR (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
Ford Tractor Base Model	Engine	476 CID (7.8L) BSD Diesel	15	Major 9600 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	14
Ford Tractor Base Model	Engine	3759CC (3.8L) 240 Dorset British Ford Diesel	8	NAA Base Model	Wheel Tractor	134 CID (2.2L) 134	5
Ford Tractor Base Model	Engine	5638CC (5.6L) 360 Dorset Dorset Diesel Diesel	12	NAB Base Model	Wheel Tractor	134 CID (2.2L) 134	5
Ford Tractor Base Model	Engine	5974CC (6.0L) 362 Dorset British Ford Diesel	12	Super Dexta 3000 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2
H48 Base Model	Excavator	401 CID (6.6L) 401 Diesel	13	Super Dexta 3000 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2
Major 4000 Base Model	Wheel Tractor	192 CID (3.1L) 192 Diesel	2	Super Major 5000 Base Model	Wheel Tractor	233 CID (3.8L) 233	7
Major 4000 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	Super Major 5000 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7
Major 5000 Base Model	Wheel Tractor	233 CID (3.8L) 233	7	TW5 Base Model	Wheel Tractor	401 CID (6.6L) BSD666 Diesel	15
Major 5000 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	7	TW30 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	14
Major 7000 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	9	TW-10 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	13
Major 8000 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	13	TW-20 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	14
Major 8600 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	13				
Major 9000 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	14				

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
9N	3.750in./95.3mm	3	C1AE	3.609in./91.7mm	10	CONN	3.600in./91.4mm	5	EAA-6205	3.600in./91.4mm	5
9N	3.750in./95.3mm	4	C1AE	3.906in./99.2mm	11	CONN	3.600in./91.4mm	6	EAA-6205	3.600in./91.4mm	6
9N-6200	3.750in./95.3mm	3	C1AE-6205D1	3.609in./91.7mm	10	EAA	3.609in./91.7mm	10	EAA-6205A	3.609in./91.7mm	10
9N-6200	3.750in./95.3mm	4	C1AE-6205D1	3.906in./99.2mm	11	EAA	3.906in./99.2mm	11	EAA-6205A	3.906in./99.2mm	11
312716	3.600in./91.4mm	5	C3AE	3.609in./91.7mm	10	EAA-6200	3.600in./91.4mm	5	EAA-A	3.609in./91.7mm	10
312716	3.600in./91.4mm	6	C3AE	3.906in./99.2mm	11	EAA-6200	3.600in./91.4mm	6	EAA-A	3.906in./99.2mm	11
B9NN-6205A	3.600in./91.4mm	5	C3AE-620E1	3.609in./91.7mm	10	EAA-6200B	3.609in./91.7mm	10	EAA-B	3.609in./91.7mm	10
B9NN-6205A	3.600in./91.4mm	6	C3AE-620E1	3.906in./99.2mm	11	EAA-6200B	3.906in./99.2mm	11	EAA-B	3.906in./99.2mm	11

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
2H-A	3.750in./95.3mm	3	B9NN	3.600in./91.4mm	6	C3AE-M	3.906in./99.2mm	11	D1NL	3.600in./91.4mm	6
2J	3.750in./95.3mm	3	B9NN-6202-B	3.600in./91.4mm	5	C5NE6303K	4.203in./106.8mm	7	E3HN-6303-AA	4.400in./111.8mm	15
2N	3.750in./95.3mm	3	B9NN-6302-B	4.203in./106.8mm	2	C5NE6303K	4.203in./106.8mm	9	E3HN-6303-AB	4.400in./111.8mm	15
2NA	3.750in./95.3mm	3	B9NN-6302-B	3.600in./91.4mm	5	C5NE6303N	4.406in./112mm	2	E5NN-6306-N	4.406in./112mm	2
2NAB	3.750in./95.3mm	3	B9NN-6302-B	3.600in./91.4mm	6	C5NE-6303-K	4.203in./106.8mm	7	EAA	3.609in./91.7mm	10
2NABC	3.750in./95.3mm	3	CONN	3.600in./91.4mm	5	C5NE-6303-K	4.203in./106.8mm	9	EAA	3.906in./99.2mm	11
8N	3.750in./95.3mm	3	CONN	3.600in./91.4mm	6	C5NE-6303-L	4.203in./106.8mm	2	EAF	3.600in./91.4mm	5
8N	3.750in./95.3mm	4	CONN-C	3.600in./91.4mm	5	C5NE-6303-N	4.406in./112mm	2	EAF	3.600in./91.4mm	6
9N	3.750in./95.3mm	3	CONN-C	3.600in./91.4mm	6	C5NE-6303-R	4.203in./106.8mm	2	EBF	3.609in./91.7mm	10
9N	3.750in./95.3mm	4	C1AE-B	3.609in./91.7mm	10	C5NE-6305	4.203in./106.8mm	2	EBF	3.906in./99.2mm	11
310372	3.600in./91.4mm	5	C1AE-B	3.906in./99.2mm	11	C7NN-6303	4.400in./111.8mm	15	EBP	3.609in./91.7mm	10
310372	3.600in./91.4mm	6	C1AE-F	3.609in./91.7mm	10	C7NN-6303-A	4.400in./111.8mm	15	EBP	3.906in./99.2mm	11
310772	3.600in./91.4mm	6	C1AE-F	3.906in./99.2mm	11	D1NL	4.203in./106.8mm	2	EN438	4.203in./106.8mm	2
B9NN	3.600in./91.4mm	5	C3AE-M	3.609in./91.7mm	10	D1NL	3.600in./91.4mm	5			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL								
1	152 CID (2.5L) 152 Perkins 3 Cyl			3.600in./91.4mm x 5.000in./127mm				1
Rod Bearing(3)	AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900
Main Bearing Set	AL-3	MS-772AL	STD,10,20,30					
1		MB-2186AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.3050
2-3		MB-2187AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.0000
4		MB-2302AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.6050
Thrust Washer Set		TW-119S	STD					
		MB-2188W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Engine Serial Number 1400250, To Eng Serial Number 1412719, Contains 4 Pieces, Position Number 4, Use With Part Number MS-772AL								
Thrust Washer Set		TW-128S	STD					
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: To Engine Serial Number 1400250, Contains 2 Pieces, Position Number 4, Use With Part Number MS-772AL								

FORD TRACTOR (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL (Cont.)								
1 (Cont.)	152 CID (2.5L) 152 Perkins 3 Cyl			3.600in./91.4mm x 5.000in./127mm				1 (Cont.)
Thrust Washer Set		TW-130S MB-2292W(L) MB-2292W(U)	STD	3.0450/3.0550 3.0450/3.0550			3.5520/3.5620 3.5520/3.5620	0.1230 0.1230
NOTE: From Eng Serial Number 1412720, Contains 4 Pieces, Position Number 4, Use With Part Number MS-772AL								
Piston Pin Bushing(3)	C-1	223-3594	STD			0.8500	1.3757/1.3762	1.0630
NOTE: Requires Boring								
2	158 CID (2.6L) 158 3 Cyl			4.200in./106.7mm x 3.813in./96.9mm				2
	158 CID (2.6L) 158 Diesel 3 Cyl			4.200in./106.7mm x 3.813in./96.9mm				
	158 CID (2.6L) 158 LPG 3 Cyl			4.200in./106.7mm x 3.813in./96.9mm				
	175 CID (2.9L) 175 3 Cyl			4.200in./106.7mm x 4.203in./106.8mm				
	175 CID (2.9L) 175 Diesel 3 Cyl			4.200in./106.7mm x 4.203in./106.8mm				
	175 CID (2.9L) 175 LPG 3 Cyl			4.200in./106.7mm x 4.203in./106.8mm				
	183 CID (3.0L) 183 Diesel 3 Cyl (1975-1980)			4.200in./106.7mm x 4.203in./106.8mm				
	192 CID (3.1L) 192 3 Cyl			4.406in./112mm x 4.203in./106.8mm				
	192 CID (3.1L) 192 Diesel 3 Cyl			4.406in./112mm x 4.203in./106.8mm				
	192 CID (3.1L) 192 LPG 3 Cyl (1965-1969)			4.406in./112mm x 4.203in./106.8mm				
201 CID (3.3L) 201 3 Cyl			4.406in./112mm x 4.406in./112mm					
201 CID (3.3L) 201 Diesel 3 Cyl			4.406in./112mm x 4.406in./112mm					
201 CID (3.3L) 201 LPG 3 Cyl			4.406in./112mm x 4.406in./112mm					
Rod Bearing(3)	TM-77	CB-757AL	STD,10,20,30,40	2.7496/2.7504	0.0015/0.0041	0.0943	2.9412/2.9420	1.4100
Main Bearing Set 1-3-4	AL-3	MS-865AL MB-2446AL MB-2447AL(F)	STD,10,20,30	3.3714/3.3722 3.3714/3.3722	0.0021/0.0043 0.0021/0.0043	0.1251	3.6242/3.6250 3.6242/3.6250	1.1100 1.4550
Cam Bearing(4)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
Piston Pin Bushing(3)	B	223-3636	STD	1.4997/1.5000		0.0720	1.6250	1.6098
C/S Forging	D1NL, EN438, C5NE-6305, C5NE6303N, B9NN-6302-B, C5NE-6303-L, C5NE-6303-N, C5NE-6303-R, E5NN-6306-N							
Connecting Rod	50 To 55 Lbs.Ft. (Plated Bolts)							
Connecting Rod	65 To 70 Lbs.Ft. (Unplated Bolts)							
Main Bearing	115 To 125 Lbs.Ft. (9/16" Bolts)							
Main Bearing	90 To 95 Lbs.Ft. (1/2" Bolts)							
4 CYL								
3	120 CID (2.0L) 120 4 Cyl			3.187in./80.95mm x 3.750in./95.3mm				3
Rod Bearing(4)	TM-77	CB-200P	STD,1,2,10,20,30,40,C60	2.0935/2.0945	0.0009/0.0030	0.0623	2.2195/2.2200	1.1300
Main Bearing Set 1-3	TM-77	MS-120P MB-947P	STD,2,10,20,30,40	2.2480/2.2490	0.0005/0.0029	0.0855	2.4200/2.4210	1.6050
2		MB-948P(F)		2.2480/2.2490	0.0005/0.0029	0.0855	2.4200/2.4210	1.8990
Piston Pin Bushing(4)	B	223-3451	STD			0.0360	0.8115/0.8125	1.3220
NOTE: Requires Light Reaming								
Rod Forging	9N, 9N-6200							
C/S Forging	2J, 2N, 8N, 9N, 2NA, 2H-A, 2NAB, 2NABC							
Connecting Rod	35 To 40 Lbs.Ft.							
Main Bearing	75 To 80 Lbs.Ft.							
4	120 CID (2.0L) Dagenham 4 Cyl (1939-1947)			3.188in./80.98mm x 3.750in./95.3mm				4
Rod Bearing(4)	TM-77	CB-200P	STD,1,2,10,20,30,40,C60	2.0935/2.0945	0.0009/0.0030	0.0623	2.2195/2.2200	1.1300
Main Bearing Set 1-3	TM-77	MS-120P MB-947P	STD,2,10,20,30,40	2.2480/2.2490	0.0005/0.0029	0.0855	2.4200/2.4210	1.6050
2		MB-948P(F)		2.2480/2.2490	0.0005/0.0029	0.0855	2.4200/2.4210	1.8990
Rod Forging	9N, 9N-6200							
C/S Forging	8N, 9N							
Connecting Rod	35 To 40 Lbs.Ft.							
Main Bearing	75 To 80 Lbs.Ft.							

FORD TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
5	134 CID (2.2L) 134 4 Cyl (1953-1965)					3.437in./87.3mm x 3.600in./91.4mm		5
	134 CID (2.2L) 134 Flex 4 Cyl (1953-1965)					3.437in./87.3mm x 3.600in./91.4mm		
	172 CID (2.8L) 172 4 Cyl (1955-1965)					3.900in./99mm x 3.600in./91.4mm		
	172 CID (2.8L) 172 Flex 4 Cyl (1955-1965)					3.900in./99mm x 3.600in./91.4mm		
Rod Bearing(4)	TM-77	CB-535P	STD,1,2,10,20,30,40	2.2978/2.2986	0.0005/0.0031	0.0622	2.4230/2.4238	1.0390
Main Bearing Set	TM-77	MS-466P	STD,1,2,10,20,30,40					
1-3		MB-1501P		2.4980/2.4988	0.0005/0.0031	0.0963	2.6912/2.6920	1.3300
2		MB-1540P(F)		2.4980/2.4988	0.0005/0.0031	0.0963	2.6912/2.6920	1.7510
Piston Pin Bushing(4)	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
NOTE: Gas Engines Only, No Oil Hole In Bushing,Requires Boring								
Piston Pin Bushing(4)	B	223-3608	STD			0.0365	0.9730/0.9750	1.2500
NOTE: Gas Engines Only, Oil Hole In Bushing,Requires Light Reaming								
Rod Forging	CONN, 312716, EAA-6200, EAA-6205, B9NN-6205A							
C/S Forging	EAF, B9NN, CONN, D1NL, 310372, CONN-C, B9NN-6202-B, B9NN-6302-B							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
6	144 CID (2.4L) 144 Diesel 4 Cyl (1958-1965)					3.562in./90.5mm x 3.600in./91.4mm		6
	172 CID (2.8L) 172 Diesel 4 Cyl (1958-1965)					3.900in./99mm x 3.600in./91.4mm		
	192 CID (3.1L) 192 4 Cyl (1971-1981)					4.130in./104.9mm x 3.600in./91.4mm		
	192 CID (3.1L) 192 Diesel 4 Cyl (1971-1981)					4.130in./104.9mm x 3.600in./91.4mm		
Rod Bearing(4)	TM-77	CB-535P	STD,1,2,10,20,30,40	2.2978/2.2986	0.0005/0.0031	0.0622	2.4230/2.4238	1.0390
Main Bearing Set	TM-77	MS-466P	STD,1,2,10,20,30,40					
1-3		MB-1501P		2.4980/2.4988	0.0005/0.0031	0.0963	2.6912/2.6920	1.3300
2		MB-1540P(F)		2.4980/2.4988	0.0005/0.0031	0.0963	2.6912/2.6920	1.7510
Rod Forging	CONN, 312716, EAA-6200, EAA-6205, B9NN-6205A							
C/S Forging	EAF, B9NN, CONN, D1NL, 310372, 310772, CONN-C, B9NN-6302-B							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	110 To 115 Lbs.Ft. (144 CID (2.4L),172 CID (2.8L),192 CID (3.1L))							
Main Bearing	95 To 105 Lbs.Ft. (192 CID (3.1L))							
7	233 CID (3.8L) 233 4 Cyl (1965-1968)					4.200in./106.7mm x 4.203in./106.8mm		7
	233 CID (3.8L) 233 Diesel 4 Cyl (1965-1968)					4.200in./106.7mm x 4.203in./106.8mm		
	233 CID (3.8L) 233 LPG 4 Cyl (1965-1968)					4.200in./106.7mm x 4.203in./106.8mm		
	256 CID (4.2L) 256 4 Cyl					4.406in./112mm x 4.203in./106.8mm		
	256 CID (4.2L) 256 Diesel 4 Cyl					4.406in./112mm x 4.203in./106.8mm		
Rod Bearing(4)	TM-77	CB-757AL	STD,10,20,30,40	2.7496/2.7504	0.0015/0.0041	0.0943	2.9412/2.9420	1.4100
Main Bearing Set	AL-3	MS-866AL	STD,10,20,30					
1-2-4-5		MB-2446AL		3.3714/3.3722	0.0021/0.0043	0.1251	3.6242/3.6250	1.1100
3		MB-2447AL(F)		3.3714/3.3722	0.0021/0.0043	0.1251	3.6242/3.6250	1.4550
Cam Bearing(5)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
NOTE: Only Sold Separately								
C/S Forging	C5NE6303K, C5NE-6303-K							
Connecting Rod	50 To 55 Lbs.Ft. (Plated Bolts)							
Connecting Rod	65 To 70 Lbs.Ft. (Unplated Bolts)							
Main Bearing	115 To 125 Lbs.Ft. (9/16" Bolts)							
Main Bearing	90 To 95 Lbs.Ft. (1/2" Bolts)							
8	242 CID/3966CC (4.0L) 242 Dorset British Ford Diesel 4 Cyl (1965-1969)					4.125in./104.8mm x 4.527in./115mm		8
	254 CID/4161CC (4.2L) 254 Dorset British Ford Diesel 4 Cyl (1969-1990)					4.221in./107.21mm x 4.527in./115mm		
	3759CC (3.8L) 240 Dorset British Ford Diesel 4 Cyl (1965-1969)					4.016in./102mm x 4.527in./115mm		
Rod Bearing(4)	AL-3	CB-1200AL	STD,10,20,30	2.6242/2.6250	0.0025/0.0043	0.0818	2.7905/2.7910	1.3400
Main Bearing Set	AL-3	MS-1480AL	STD,10,20					
1-2-4		MB-2500AL		3.0002/3.0010	0.0023/0.0041	0.0818	3.1665/3.1670	1.0500
3-5		MB-2665AL		3.0002/3.0010	0.0023/0.0041	0.0818	3.1665/3.1670	1.4250
Thrust Washer Set		TW-120S	STD					
		MB-1739W(L)		3.3150/3.3250			3.8880/3.8980	0.0920
		MB-1739W(U)		3.3150/3.3250			3.8880/3.8980	0.0920
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1480AL								

FORD TRACTOR (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
8 (Cont.)	242 CID/3966CC (4.0L) 242 Dorset British Ford Diesel 4 Cyl (1965-1969)			4.125in./104.8mm x 4.527in./115mm				8 (Cont.)
	254 CID/4161CC (4.2L) 254 Dorset British Ford Diesel 4 Cyl (1969-1990)			4.221in./107.21mm x 4.527in./115mm				
	3759CC (3.8L) 240 Dorset British Ford Diesel 4 Cyl (1965-1969)			4.016in./102mm x 4.527in./115mm				
Cam Bearing Set 1	B-1	SH-1017S	STD					
		SH-1053		2.1845/2.1850			2.3130/2.3140	1.0300
2-3-4		SH-1052		2.1845/2.1850			2.3130/2.3140	0.9500
9	256 CID (4.2L) 256 Turbocharged Diesel 4 Cyl			4.406in./112mm x 4.203in./106.8mm				9
Rod Bearing(4)	TM-77	CB-1210P	STD,10,20,30	2.7496/2.7504	0.0023/0.0045	0.0948	2.9412/2.9420	1.4100
Main Bearing Set 1-2-4-5	AL-3	MS-866AL	STD,10,20,30					
		MB-2446AL		3.3714/3.3722	0.0021/0.0043	0.1251	3.6242/3.6250	1.1100
3		MB-2447AL(F)		3.3714/3.3722	0.0021/0.0043	0.1251	3.6242/3.6250	1.4550
Cam Bearing(5)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
NOTE: Only Sold Separately								
C/S Forging C5NE6303K, C5NE-6303-K								
Connecting Rod 50 To 55 Lbs.Ft. (Plated Bolts)								
Connecting Rod 65 To 70 Lbs.Ft. (Unplated Bolts)								
Main Bearing 115 To 125 Lbs.Ft. (9/16" Bolts)								
Main Bearing 90 To 95 Lbs.Ft. (1/2" Bolts)								
6 CYL								
10	223 CID (3.7L) 223 6 Cyl (1966)			3.625in./92.1mm x 3.609in./91.7mm				10
	223 CID (3.7L) 223 LPG 6 Cyl			3.625in./92.1mm x 3.609in./91.7mm				
Rod Bearing(6)	TM-77	CB-535P	STD,1,2,10,20,30,40	2.2978/2.2986	0.0005/0.0031	0.0622	2.4230/2.4238	1.0390
Main Bearing Set 1-2-4	TM-77	MS-525P	STD,10,20,30					
		MB-1499P		2.4980/2.4988	0.0002/0.0024	0.0963	2.6912/2.6920	1.1050
3		MB-1500P(F)		2.4980/2.4988	0.0002/0.0024	0.0963	2.6912/2.6920	1.3550
Cam Bearing Set 1-2-4	B-1	SH-534S	STD					
		SH-533		1.9260/1.9270	0.0005/0.0045	0.0650	2.0575/2.0585	0.8900
3		SH-249		1.9260/1.9270	0.0005/0.0045	0.0650	2.0575/2.0585	0.8900
Piston Pin Bushing(6)	B	223-3546	STD					
						0.0411	0.9730/0.9750	1.2500
NOTE: Requires Boring								
Rod Forging EAA, C1AE, C3AE, EAA-A, EAA-B, EAA-6200B, EAA-6205A, C3AE-620E1, C1AE-6205D1								
C/S Forging EAA, EBF, EBP, C1AE-B, C1AE-F, C3AE-M								
Connecting Rod 45 To 50 Lbs.Ft.								
Main Bearing 95 To 105 Lbs.Ft.								
11	242 CID (4.0L) 242 Diesel 6 Cyl (1961-1966)			3.625in./92.1mm x 3.906in./99.2mm				11
Rod Bearing(6)	TM-77	CB-535P	STD,1,2,10,20,30,40	2.2978/2.2986	0.0005/0.0031	0.0622	2.4230/2.4238	1.0390
Main Bearing Set 1-2-4	TM-77	MS-525P	STD,10,20,30					
		MB-1499P		2.4980/2.4988	0.0002/0.0024	0.0963	2.6912/2.6920	1.1050
3		MB-1500P(F)		2.4980/2.4988	0.0002/0.0024	0.0963	2.6912/2.6920	1.3550
Cam Bearing Set 1-2-4	B-1	SH-534S	STD					
		SH-533		1.9260/1.9270	0.0005/0.0045	0.0650	2.0575/2.0585	0.8900
3		SH-249		1.9260/1.9270	0.0005/0.0045	0.0650	2.0575/2.0585	0.8900
Rod Forging EAA, C1AE, C3AE, EAA-A, EAA-B, EAA-6200B, EAA-6205A, C3AE-620E1, C1AE-6205D1								
C/S Forging EAA, EBF, EBP, C1AE-B, C1AE-F, C3AE-M								
Connecting Rod 45 To 50 Lbs.Ft.								
Main Bearing 110 To 115 Lbs.Ft.								
12	363 CID/5952CC (5.9L) 363 Dorset British Ford Turbocharged Diesel 6 Cyl (1965-1990)			4.125in./104.8mm x 4.527in./115mm				12
	380 CID/6222CC (6.2L) 380 Dorset British Ford Diesel 6 Cyl (1969-1990)			4.221in./107.21mm x 4.519in./114.8mm				
	5638CC (5.6L) 360 Dorset Dorset Diesel 6 Cyl (1965-1990)			4.016in./102mm x 4.527in./115mm				
	5974CC (6.0L) 362 Dorset British Ford Diesel 6 Cyl (1965-1990)			4.134in./105mm x 4.527in./115mm				
Rod Bearing(6)	AL-3	CB-1200AL	STD,10,20,30	2.6242/2.6250	0.0025/0.0043	0.0818	2.7905/2.7910	1.3400
Main Bearing Set 1-2-3-5-6	AL-3	MS-1435AL	STD,10,20					
		MB-2500AL		3.0002/3.0010	0.0023/0.0041	0.0818	3.1665/3.1670	1.0500
4-7		MB-2665AL		3.0002/3.0010	0.0023/0.0041	0.0818	3.1665/3.1670	1.4250

FORD TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
12 (Cont.)	363 CID/5952CC (5.9L) 363 Dorset British Ford Turbocharged Diesel 6 Cyl (1965-1990)			4.125in./104.8mm x 4.527in./115mm				12 (Cont.)
	380 CID/6222CC (6.2L) 380 Dorset British Ford Diesel 6 Cyl (1969-1990)			4.221in./107.21mm x 4.519in./114.8mm				
	5638CC (5.6L) 360 Dorset Dorset Diesel Diesel 6 Cyl (1965-1990)			4.016in./102mm x 4.527in./115mm				
	5974CC (6.0L) 362 Dorset British Ford Diesel 6 Cyl (1965-1990)			4.134in./105mm x 4.527in./115mm				
Thrust Washer Set		TW-120S	STD					
		MB-1739W(L)		3.3150/3.3250		3.8880/3.8980		0.0920
		MB-1739W(U)		3.3150/3.3250		3.8880/3.8980		0.0920
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1435AL								
Cam Bearing Set		B-1	SH-1006S	STD				
1			SH-1053		2.1845/2.1850		2.3130/2.3140	1.0300
2-3-4-5-6			SH-1052		2.1845/2.1850		2.3130/2.3140	0.9500
Connecting Rod		85 To 90 Lbs.Ft.						
Main Bearing		85 To 90 Lbs.Ft.						
13	401 CID (6.6L) 401 Diesel 6 Cyl			4.406in./112mm x 4.406in./112mm				13
Rod Bearing(6)	TM-77	CB-757AL	STD,10,20,30,40	2.7496/2.7504	0.0015/0.0041	0.0943	2.9412/2.9420	1.4100
Main Bearing Set	AL-3	MS-977AL	STD,10,20,30					
1-2-3-5-6-7		MB-2446AL		3.3714/3.3722	0.0021/0.0043	0.1251	3.6242/3.6250	1.1100
4		MB-2447AL(F)		3.3714/3.3722	0.0021/0.0043	0.1251	3.6242/3.6250	1.4550
Cam Bearing(5)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
NOTE: Only Sold Separately								
Piston Pin Bushing(6)	C-1	223-3636	STD	1.4997/1.5000		0.0720	1.6250	1.6098
NOTE: Requires Boring								
Connecting Rod		50 To 55 Lbs.Ft. (Plated Bolts)						
Connecting Rod		65 To 70 Lbs.Ft. (Unplated Bolts)						
Main Bearing		115 To 125 Lbs.Ft. (9/16" Bolts)						
Main Bearing		90 To 95 Lbs.Ft. (1/2" Bolts)						
14	401 CID (6.6L) 401 Turbocharged Diesel 6 Cyl			4.406in./112mm x 4.406in./112mm				14
Rod Bearing(6)	TM-77	CB-1210P	STD,10,20,30	2.7496/2.7504	0.0023/0.0045	0.0948	2.9412/2.9420	1.4100
Main Bearing Set	AL-3	MS-977AL	STD,10,20,30					
1-2-3-5-6-7		MB-2446AL		3.3714/3.3722	0.0021/0.0043	0.1251	3.6242/3.6250	1.1100
4		MB-2447AL(F)		3.3714/3.3722	0.0021/0.0043	0.1251	3.6242/3.6250	1.4550
Cam Bearing(5)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
NOTE: Only Sold Separately								
Piston Pin Bushing(6)	C-1	223-3636	STD	1.4997/1.5000		0.0720	1.6250	1.6098
NOTE: Requires Boring								
Connecting Rod		50 To 55 Lbs.Ft. (Plated Bolts)						
Connecting Rod		65 To 70 Lbs.Ft. (Unplated Bolts)						
Main Bearing		115 To 125 Lbs.Ft. (9/16" Bolts)						
Main Bearing		90 To 95 Lbs.Ft. (1/2" Bolts)						
15	401 CID (6.6L) BSD666 Diesel 6 Cyl (1986-1997)			4.400in./111.8mm x 4.400in./111.8mm				15
476 CID (7.8L) BSD Turbocharged Diesel 6 Cyl (1987-1997)			4.406in./112mm x 5.200in./132mm					
Rod Bearing(6)	TM-112	CB-1638P	STD,10,20,30	2.7500/2.7504	0.0019/0.0027	0.0947	2.9412/2.9416	1.2500
Main Bearing Set	TM-112	MS-2030P	STD,10,20,30					
1-2-3-4-6-7		MB-4004P		3.3713/3.3723	0.0019/0.0047	0.1250	3.6242/3.6250	1.1100
5		MB-4005P(F)		3.3713/3.3723	0.0019/0.0047	0.1250	3.6242/3.6250	1.4550
Cam Bearing(7)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
NOTE: Only Sold Separately								
C/S Forging		C7NN-6303, C7NN-6303-A, E3HN-6303-AA, E3HN-6303-AB						
Connecting Rod		105 To 112 Lbs.Ft. (476 CID (7.8L) BSD)						
Connecting Rod		78 To 80 Lbs.Ft. (401 CID (6.6L) BSD666)						
Main Bearing		140 To 150 Lbs.Ft.						
8 CYL								
16	555 CID (9.1L) V555 Cummins Diesel V8 Cyl			4.625in./117.5mm x 4.125in./104.8mm				16
Rod Bearing(8)	TM-112	CB-994P	STD,10,20,30	2.7490/2.7500	0.0020/0.0050	0.0948	2.9410/2.9420	1.1750

FORD TRACTOR (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
16 (Cont.)	555 CID (9.1L) V555 Cummins Diesel V8 Cyl				4.625in./117.5mm x 4.125in./104.8mm			16 (Cont.)
Main Bearing Set	TM-112	MS-1061P	STD,10,20,30					
1-5		MB-2598P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.0520
2-3-4		MB-2599P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.1410
5		MB-2598W		3.8050/3.8150			4.4850/4.4950	0.1510
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position, Contains Dowel Pins								
Thrust Washer Set		TW-448S	STD					
		MB-2598W		3.8050/3.8150			4.4850/4.4950	0.1510
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1061P								
Cam Bearing Set	B-1	SH-1394S	STD					
1-5		SH-1394		1.9975/1.9985	0.0010/0.0045	0.0963	2.1865/2.1875	1.9000
2-3-4		SH-1395		1.9975/1.9985	0.0010/0.0045	0.0963	2.1865/2.1875	0.9000
NOTE: Small Cam								
Piston Pin Bushing(8)	C-1	223-3565	STD			0.1450	1.7500/1.7505	1.5700
NOTE: Requires Boring								
Connecting Rod	Step A 45 Lbs.Ft.; Step B 90 Lbs.Ft.; Step C Loosen All Connecting Rods; Step D 45 Lbs.Ft.; Step E Turn 60 Degrees							
Main Bearing	Step A 65 Lbs.Ft.; Step B 125 Lbs.Ft.; Step C 175 Lbs.Ft.; Step D Loosen All Main Bearings; Step E Repeat Steps A, B And C							
17	903 CID (14.8L) V903 Cummins Diesel V8 Cyl				5.500in./139.7mm x 4.750in./120.7mm			17
Rod Bearing(8)	TM-112	CB-1073P	STD,10,20	3.1240/3.1250	0.0020/0.0045	0.0948	3.3160/3.3165	1.3660
Main Bearing Set	TM-112	MS-1265P	STD,10,20,30					
1-2-3-4-5		MB-2621P		3.7490/3.7500	0.0019/0.0053	0.1552	4.0620/4.0630	1.3130
5		MB-2621W		4.1200/4.1400			5.2300/5.2400	0.1510
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position, Contains Dowel Pins								
Thrust Washer Set		TW-449S	STD					
		MB-2621W		4.1200/4.1400			5.2300/5.2400	0.1510
NOTE: Contains 4 Pieces, Position Number 5								
Cam Bearing Set	C-1	SH-1382S	STD					
1-5		SH-1382		2.4960/2.4970	0.0020/0.0060	0.0937	2.6865/2.6875	1.8100
2-3-4		SH-1383		2.4960/2.4970	0.0020/0.0060	0.0937	2.6865/2.6875	1.0700
Piston Pin Bushing(8)	C-1	223-3563	STD			0.1420	2.0015/2.0021	1.7600
NOTE: Requires Boring								
Connecting Rod	Step A 60 Lbs.Ft.; Step B 100 Lbs.Ft.; Step C Loosen All; Step D 40 Lbs.Ft.; Step E 70 Lbs.Ft.; Step F 105 Lbs.Ft.; Step G Loosen All; Step H Repeat Steps D, E And F							
Main Bearing	Step A 160 Lbs.Ft.; Step B 350 Lbs.Ft.; Step C Loosen All; Step D 90 Lbs.Ft.; Step E 180 Lbs.Ft.; Step F Turn 60 Degrees (Long Bolt)							
Main Bearing	Step A 25 Lbs.Ft.; Step B 75 Lbs.Ft.; Step C 150 Lbs.Ft. (Short Bolt)							

FORDSON TRACTOR

ENGINE DATA													
Engine		Bore & Stroke		Block	Engine		Bore & Stroke		Block				
		3 CYL					6 CYL						
3-152 Perkins 152 CID (2.5L) Diesel		3.600in./91.4mmX5.000in./127mm		1	Dagenham 330 CID (5.4L) Diesel		3.938in./100mmX4.527in./115mm		2				
P3-144 Perkins 144 CID (2.4L) Diesel		3.504in./89mmX5.000in./127mm		1									
MODEL DATA													
Model		Model Type		Engine		Block	Model		Model Type		Engine		Block
Dexta 2000 Base Model		Wheel Tractor		144 CID (2.4L) P3-144 Perkins Diesel		1	Super 6		Wheel Tractor		330 CID (5.4L) Dagenham Diesel		2
Dexta 2000 Base Model		Wheel Tractor		152 CID (2.5L) 3-152 Perkins Diesel		1	Super Dexta 3000 Base Model		Wheel Tractor		152 CID (2.5L) 3-152 Perkins Diesel		1
CONNECTING ROD FORGING NUMBERS													
Forging No.		Stroke	Block	Forging No.		Stroke	Block	Forging No.		Stroke	Block		
52813		5.000in./127mm	1	31337220		5.000in./127mm	1	DDN-6205-B		4.527in./115mm	2		
31337140		5.000in./127mm	1	DDN-6200-B		4.527in./115mm	2	E1ADDN-6205		4.527in./115mm	2		

FORDSON TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL								
1	144 CID (2.4L) P3-144 Perkins Diesel 3 Cyl (1964-1974)			3.504in./89mm x 5.000in./127mm				1
	152 CID (2.5L) 3-152 Perkins Diesel 3 Cyl (1964)			3.600in./91.4mm x 5.000in./127mm				
Rod Bearing(3)	AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900
Main Bearing Set	AL-3	MS-772AL	STD,10,20,30					
1		MB-2186AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.3050
2-3		MB-2187AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.0000
4		MB-2302AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.6050
Thrust Washer Set		TW-119S	STD					
		MB-2188W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Engine Serial Number 1400250,Thru Eng Serial Number 1412719, Contains 4 Pieces, Position Number 4								
Thrust Washer Set		TW-128S	STD					
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: Thru Engine Serial Number 1400250, Contains 2 Pieces, Position Number 4								
Thrust Washer Set		TW-130S	STD					
		MB-2292W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2292W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Eng Serial Number 1412720, Contains 4 Pieces, Position Number 4								
Piston Pin Bushing(3)	C-1	223-3594	STD			0.8500	1.3757/1.3762	1.0630
NOTE: Requires Boring								
Rod Forging	52813, 31337140, 31337220							
Connecting Rod	70 To 80 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft.							
6 CYL								
2	330 CID (5.4L) Dagenham Diesel 6 Cyl (1960-1966)			3.938in./100mm x 4.527in./115mm				2
Rod Bearing(6)	AL-3	CB-489AL	STD,10,20,30,40	2.4997/2.5005	0.0015/0.0035	0.0724	2.6460/2.6465	1.3400
Main Bearing Set	AL-3	MS-756AL	STD,10,20,30					
1-2-3-5-6		MB-1738AL		3.0002/3.0010	0.0008/0.0036	0.0818	3.1665/3.1670	1.0500
4-7		MB-1739AL		3.0002/3.0010	0.0008/0.0036	0.0818	3.1665/3.1670	1.4250
Thrust Washer Set		TW-120S	STD					
		MB-1739W(L)		3.3150/3.3250			3.8880/3.8980	0.0920
		MB-1739W(U)		3.3150/3.3250			3.8880/3.8980	0.0920
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-756AL								
Rod Forging	DDN-6200-B, DDN-6205-B, E1ADDN-6205							
Connecting Rod	55 To 60 Lbs.Ft.							
Main Bearing	70 To 75 Lbs.Ft. (1/2" Bolts)							
Main Bearing	95 To 100 Lbs.Ft. (9/16" Bolts)							
GENERAL MOTORS CORP.								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
3 CYL				4 CYL (Cont.)				
61 CID (1.0L) LP2 Suzuki	1989-2000	2.913in./74mmX3.031in./77mm	1	92 CID (1.5L) LC5 Isuzu	1985-1989	3.031in./77mmX3.110in./79mm	5	
61 CID (1.0L) LS3 Turbo Suzuki Turbocharged	1987-1991	2.913in./74mmX3.031in./77mm	1	97 CID (1.6L) LO1 16 Valve Suzuki	1994-2002	2.953in./75mmX3.543in./90mm	6	
61 CID (1.0L) LY9 Suzuki	1985-1988	2.913in./74mmX3.031in./77mm	1	97 CID (1.6L) LS5 8 Valve Suzuki	1989-1995	2.953in./75mmX3.543in./90mm	6	
159 CID (2.6L) 3-53 Detroit Diesel	1967-1968	3.875in./98.4mmX4.500in./114.3mm	2					
Supercharged Diesel				98 CID (1.6L) Chevrolet	1976-1987	3.228in./82mmX2.992in./76mm	4	
4 CYL				98 CID (1.6L) L73 Daewoo	1988-1993	3.110in./79mmX3.228in./82mm	7	
79 CID (1.3L) L72 SOHC Suzuki	1992-1997	2.913in./74mmX2.972in./75.5mm	3	98 CID (1.6L) LC9 SOHC Toyota	1985-1988	3.189in./81mmX3.031in./77mm	8	
79 CID (1.3L) LY8 Suzuki	1998-1999	2.913in./74mmX2.972in./75.5mm	3	98 CID (1.6L) LO1 DOHC Toyota	1989-1997	3.189in./81mmX3.031in./77mm	9	
85 CID (1.4L) LX3 Chevrolet	1976-1977	3.228in./82mmX2.598in./66mm	4	98 CID (1.6L) LO1 SOHC Isuzu	1990-1993	3.150in./80mmX3.110in./79mm	10	
92 CID (1.5L) LC0 SOHC Isuzu Turbocharged	1986-1989	3.031in./77mmX3.110in./79mm	5	98 CID (1.6L) LW0 DOHC Isuzu	1990-1991	3.150in./80mmX3.110in./79mm	10	

GENERAL MOTORS CORP. (Cont.)

ENGINE DATA (Cont.)

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL (Cont.)				6 CYL			
98 CID (1.6L) LW0 DOHC Toyota	1988-1992	3.189in./81mmX3.031in./77mm	9	140 CID (2.3L) Chevrolet Corvair	1960-1961	3.375in./85.7mmX2.593in./65.9mm	35
108 CID (1.8L) LV6 DOHC Toyota	1993-1999	3.189in./81mmX3.602in./91.5mm	11	145 CID (2.4L) Chevrolet Corvair	1961-1963	3.438in./87.33mmX2.593in./65.9mm	35
110 CID (1.8L) LA5 OHC Turbo Pontiac Turbocharged	1984-1986	3.339in./84.8mmX3.150in./80mm	12	145 CID (2.4L) Chevrolet Corvair Turbocharged	1962-1963	3.438in./87.33mmX2.593in./65.9mm	35
110 CID (1.8L) LH8 OHC Pontiac	1982-1986	3.339in./84.8mmX3.150in./80mm	12	164 CID (2.7L) Chevrolet Corvair	1964-1969	3.438in./87.3mmX2.938in./74.6mm	35
110 CID (1.8L) LV6 DOHC Isuzu	1992-1993	3.150in./80mmX3.543in./90mm	13	164 CID (2.7L) Chevrolet Corvair Turbocharged	1964-1966	3.438in./87.3mmX2.938in./74.6mm	35
111 CID (1.8L) LJ5 SOHC Isuzu Diesel	1981-1986	3.307in./84mmX3.228in./82mm	14	173 CID (2.8L) Chevrolet LPG	1980-1993	3.504in./89mmX2.992in./76mm	36
112 CID (1.8L) L46 Chevrolet	1982	3.504in./89mmX2.913in./74mm	15	173 CID (2.8L) Chevrolet Meth	1987-1989	3.504in./89mmX2.992in./76mm	37
1809CC (1.8L) 4XF1 DOHC (RLX) Isuzu	1992-1993	3.150in./80mmX3.543in./90mm	13	181 CID (3.0L) Buick	1982-1988	3.800in./96.5mmX2.660in./67.6mm	38
1817CC (1.8L) SOHC Isuzu	1972-1982	3.307in./84mmX3.228in./82mm	16	189 CID (3.1L) Chevrolet	1988-2003	3.504in./89mmX3.307in./84mm	37
116 CID (1.9L) DOHC Saturn	1991-2002	3.230in./82mmX3.540in./89.9mm	17	189 CID (3.1L) Chevrolet LPG	1989-1990	3.504in./89mmX3.307in./84mm	37
116 CID (1.9L) SOHC Saturn	1991-2002	3.230in./82mmX3.540in./89.9mm	17	189 CID (3.1L) Chevrolet Meth	1988-1993	3.504in./89mmX3.307in./84mm	37
119 CID (1.9L) LR1 SOHC Isuzu	1982-1985	3.425in./87mmX3.228in./82mm	18	194 CID (3.2L) Chevrolet	1962-1967	3.563in./90.5mmX3.250in./82.6mm	39
121 CID (2.0L) LL8 Chevrolet	1987-1989	3.504in./89mmX3.150in./80mm	19	196 CID (3.2L) LC9 Buick	1978-1979	3.500in./88.9mmX3.400in./86.4mm	40
121 CID (2.0L) LQ2 Chevrolet	1983-1984	3.504in./89mmX3.150in./80mm	20	198 CID (3.2L) Buick	1962-1963	3.625in./92.1mmX3.200in./81.3mm	41
121 CID (2.0L) LQ5 Chevrolet	1983-1986	3.504in./89mmX3.150in./80mm	20	200 CID (3.3L) L26 Chevrolet	1978-1979	3.500in./88.9mmX3.484in./88.5mm	42
121 CID (2.0L) LR9 Chevrolet	1983-1984	3.504in./89mmX3.150in./80mm	20	204 CID (3.3L) LG7 Buick	1989-1993	3.701in./94mmX3.160in./80.3mm	43
122 CID (2.0L) Chevrolet	1975-1976	3.500in./88.9mmX3.160in./80.3mm	21	207 CID (3.4L) L32 Chevrolet	1993-1995	3.622in./92mmX3.307in./84mm	37
122 CID (2.0L) OHC Pontiac	1987-1994	3.386in./86mmX3.385in./86mm	22	207 CID (3.4L) LA1 Chevrolet	1996-2003	3.622in./92mmX3.307in./84mm	37
122 CID (2.0L) OHC Turbo Pontiac Turbocharged	1987-1990	3.386in./86mmX3.385in./86mm	22	207 CID (3.4L) LQ1 DOHC Chevrolet	1991-1997	3.622in./92mmX3.307in./84mm	44
134 CID (2.2L) L42 DOHC General Motors Bi-fuel Gas/CNG	2003	3.386in./86mmX3.724in./94.6mm	23	212 CID (3.5L) LX5 Oldsmobile	1999-2002	3.524in./89.5mmX3.524in./89.5mm	45
134 CID (2.2L) L61 DOHC General Motors	2000-2005	3.386in./86mmX3.724in./94.6mm	23	215 CID (3.5L) Pontiac	1964-1965	3.750in./95.3mmX3.250in./82.6mm	39
134 CID (2.2L) LM3 Chevrolet	1990-1991	3.504in./89mmX3.465in./88mm	19	216 CID (3.5L) Chevrolet	1937-1953	3.500in./88.9mmX3.750in./95.3mm	46
134 CID (2.2L) LN2/KL6 Chevrolet Bi-fuel Gas/CNG	2000-2002	3.504in./89mmX3.465in./88mm	24	225 CID (3.7L) Buick	1964-1967	3.750in./95.3mmX3.400in./86.4mm	47
134 CID (2.2L) OHV Chevrolet	1992-2003	3.504in./89mmX3.465in./88mm	25	228 CID (3.7L) General Motors	1939-1953	3.563in./90.5mmX3.813in./96.9mm	48
137 CID (2.2L) LQ7 OHV Isuzu Diesel	1984-1985	3.465in./88mmX3.622in./92mm	26	229 CID (3.8L) Chevrolet	1980	3.736in./95mmX3.484in./88.5mm	42
2238CC (2.2L) OHV Isuzu Diesel	1981-1982	3.465in./88mmX3.622in./92mm	27	229 CID (3.8L) LC3 Chevrolet	1980-1984	3.736in./95mmX3.484in./88.5mm	42
138 CID (2.3L) DOHC Oldsmobile	1987-1996	3.622in./92mmX3.346in./85mm	28	230 CID (3.8L) Chevrolet	1963-1970	3.875in./98.4mmX3.250in./82.6mm	39
138 CID (2.3L) L40 SOHC Oldsmobile	1992-1994	3.622in./92mmX3.346in./85mm	29	230 CID (3.8L) OHC Pontiac	1966-1967	3.875in./98.4mmX3.250in./82.6mm	49
140 CID (2.3L) Chevrolet	1971-1977	3.500in./88.9mmX3.625in./92.1mm	21	231 CID (3.8L) Carbureted Buick	1975-1987	3.800in./96.5mmX3.400in./86.4mm	50
146 CID (2.4L) LD9 DOHC Oldsmobile	1996-2002	3.543in./90mmX3.701in./94mm	30	231 CID (3.8L) Fuel Injected Buick	1984-2004	3.800in./96.5mmX3.397in./86.3mm	51
151 CID (2.5L) Carbureted Pontiac	1977-1983	4.000in./101.6mmX3.000in./76.2mm	31	231 CID (3.8L) Supercharged Buick Supercharged	1991-2004	3.800in./96.5mmX3.400in./86.4mm	52
151 CID (2.5L) Fuel Injected Pontiac	1982-1993	4.000in./101.6mmX3.000in./76.2mm	32	231 CID (3.8L) Turbo Buick Turbocharged	1978-1989	3.800in./96.5mmX3.400in./86.4mm	38
153 CID (2.5L) Chevrolet	1962-1970	3.875in./98.4mmX3.250in./82.6mm	33	235 CID (3.9L) Chevrolet	1950-1962	3.563in./90.5mmX3.938in./100mm	53
195 CID (3.2L) Pontiac	1961-1963	4.063in./103.2mmX3.750in./95.3mm	34	235 CID (3.9L) Corvette Chevrolet	1953-1955	3.563in./90.5mmX3.938in./100mm	53
				236 CID (3.9L) OHV General Motors	1942-1946	3.562in./90.5mmX3.813in./96.9mm	48
				248 CID (4.1L) General Motors	1939-1955	3.719in./94.5mmX3.813in./96.9mm	48
				250 CID (4.1L) Chevrolet	1966-1984	3.875in./98.4mmX3.531in./89.7mm	54

GENERAL MOTORS CORP. (Cont.)

ENGINE DATA (Cont.)							
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
6 CYL (Cont.)				8 CYL (Cont.)			
250 CID (4.1L) OHC Pontiac	1968-1969	3.875in./98.4mmX3.531in./89.7mm	49	301 CID (4.9L) Pontiac Turbocharged	1980-1981	4.000in./101.6mmX3.000in./76.2mm	71
252 CID (4.1L) LC4 Buick	1980-1984	3.965in./100.7mmX3.400in./86.4mm	40	302 CID (5.0L) Chevrolet	1967-1969	4.000in./101.6mmX3.000in./76.2mm	76
254 CID (4.2L) LL8 -Vortec 4200,DOHC,24v Chevrolet	2002-2005	3.661in./93mmX4.016in./102mm	55	303 CID (5.0L) Rocket V8 Oldsmobile	1950-1953	3.750in./95.3mmX3.438in./87.3mm	77
260 CID (4.3L) Oldsmobile Diesel	1982-1985	4.057in./103mmX3.385in./86mm	56	305 CID (5.0L) Chevrolet	1976-2002	3.736in./95mmX3.484in./88.5mm	68
261 CID (4.3L) Chevrolet	1954-1962	3.750in./95.3mmX3.938in./100mm	57	305 CID (5.0L) Chevrolet LPG	1976-1994	3.736in./95mmX3.484in./88.5mm	68
262 CID (4.3L) Chevrolet	1985-1996	4.000in./101.6mmX3.484in./88.5mm	58	307 CID (5.0L) Chevrolet	1968-1973	3.875in./98.4mmX3.250in./82.6mm	68
262 CID (4.3L) LB4 (ZR9/Z79) Turbo Chevrolet Turbocharged/Intercooled	1991-1993	4.000in./101.6mmX3.484in./88.5mm	58	307 CID (5.0L) Oldsmobile	1980-1990	3.800in./96.5mmX3.385in./86mm	78
262 CID (4.3L) Vortec 4300 Chevrolet	1992-2004	4.000in./101.6mmX3.484in./88.5mm	58	317 CID (5.2L) General Motors	1956	3.937in./100mmX3.250in./82.6mm	73
270 CID (4.4L) OHV General Motors	1939-1962	3.781in./96mmX4.000in./101.6mm	59	322 CID (5.3L) Buick	1953-1956	4.000in./101.6mmX3.200in./81.3mm	69
292 CID (4.8L) Chevrolet	1963-1989	3.875in./98.4mmX4.125in./104.8mm	60	324 CID (5.3L) OHV General Motors	1955-1956	3.875in./98.4mmX3.438in./87.3mm	79
302 CID (5.0L) OHV General Motors	1952-1959	4.000in./101.6mmX4.000in./101.6mm	59	324 CID (5.3L) Rocket V8 Oldsmobile	1954-1956	3.875in./98.4mmX3.438in./87.3mm	77
305 CID (5.0L) General Motors	1960-1974	4.250in./108mmX3.578in./90.8mm	61	325 CID (5.3L) Vortec 5300 Chevrolet	1999-2004	3.780in./96mmX3.622in./92mm	74
351 CID (5.8L) General Motors	1960-1972	4.563in./115.9mmX3.578in./90.8mm	61	325 CID (5.3L) Vortec 5300 L59 Chevrolet Flex	2002-2004	3.780in./96mmX3.622in./92mm	74
351 CID (5.8L) D General Motors Diesel	1964-1967	4.563in./115.9mmX3.578in./90.8mm	61	326 CID (5.3L) Pontiac	1963-1967	3.719in./94.5mmX3.750in./95.3mm	80
379 CID (6.2L) General Motors	1973-1974	4.563in./115.9mmX3.859in./98mm	62	327 CID (5.4L) Chevrolet	1962-1969	4.000in./101.6mmX3.250in./82.6mm	81
401 CID (6.6L) General Motors	1960-1972	4.875in./123.8mmX3.578in./90.8mm	61	327 CID (5.4L) Chevrolet LPG	1962-1969	4.000in./101.6mmX3.250in./82.6mm	81
432 CID (7.1L) General Motors	1973-1974	4.875in./123.8mmX3.859in./98mm	62	330 CID (5.4L) OHV Oldsmobile	1964-1967	3.938in./100mmX3.385in./86mm	82
478 CID (7.8L) General Motors	1964-1974	5.125in./130.2mmX3.859in./98mm	61	331 CID (5.4L) OHV Cadillac	1949-1955	3.8125in./96.8mmX3.625in./92.1mm	83
478 CID (7.8L) General Motors Diesel	1964-1974	5.125in./130.2mmX3.859in./98mm	61	336 CID (5.5L) General Motors	1958-1959	3.875in./98.4mmX3.563in./90.5mm	73
8 CYL				340 CID (5.6L) Buick	1966-1967	3.750in./95.3mmX3.850in./97.8mm	84
215 CID (3.5L) Aluminum Block & Heads Buick	1961-1963	3.500in./88.9mmX2.800in./71.1mm	63	346 CID (5.7L) LS1 Chevrolet	1997-2004	3.898in./99mmX3.622in./92mm	74
244 CID (4.0L) L47 Oldsmobile	1995-2003	3.425in./87mmX3.307in./84mm	64	346 CID (5.7L) LS6 Chevrolet	2001-2004	3.898in./99mmX3.622in./92mm	74
252 CID (4.1L) Cadillac	1982-1988	3.465in./88mmX3.307in./84mm	65	347 CID (5.7L) General Motors	1957	3.940in./100.1mmX3.563in./90.5mm	73
260 CID (4.3L) LF7 Oldsmobile Diesel	1979	3.500in./88.9mmX3.385in./86mm	66	348 CID (5.7L) Chevrolet	1958-1965	4.125in./104.8mmX3.250in./82.6mm	85
260 CID (4.3L) LV8 Oldsmobile	1975-1982	3.500in./88.9mmX3.385in./86mm	67	350 CID (5.7L) Buick	1968-1981	3.800in./96.5mmX3.850in./97.8mm	86
262 CID (4.3L) Chevrolet	1975-1976	3.670in./93.2mmX3.100in./78.7mm	68	350 CID (5.7L) Oldsmobile	1968-1980	4.057in./103mmX3.385in./86mm	67
264 CID (4.3L) Buick	1954-1955	3.625in./92.1mmX3.200in./81.3mm	69	350 CID (5.7L) Pontiac	1968-1977	3.875in./98.4mmX3.750in./95.3mm	80
265 CID (4.3L) Chevrolet	1955-1957	3.750in./95.3mmX3.000in./76.2mm	70	350 CID (5.7L) Oldsmobile Diesel	1978-1985	4.057in./103mmX3.385in./86mm	66
265 CID (4.3L) L99 Chevrolet	1994-1996	3.750in./95.3mmX3.000in./76.2mm	68	350 CID (5.7L) Chevrolet LPG	1967-1985	4.000in./101.6mmX3.484in./88.5mm	68
265 CID (4.3L) LS5 Pontiac	1980-1981	3.750in./95.3mmX3.000in./76.2mm	71	350 CID (5.7L) Carbureted Chevrolet	1967-1989	4.000in./101.6mmX3.484in./88.5mm	68
267 CID (4.4L) Chevrolet	1980	3.500in./88.9mmX3.484in./88.5mm	68	350 CID (5.7L) Fuel Injected Chevrolet	1982-2002	4.000in./101.6mmX3.484in./88.5mm	68
267 CID (4.4L) L39 Chevrolet	1979-1982	3.500in./88.9mmX3.484in./88.5mm	68	350 CID (5.7L) KL5 Chevrolet CNG	1995-2000	4.000in./101.6mmX3.484in./88.5mm	68
273 CID (4.5L) Cadillac	1988-1992	3.622in./92mmX3.307in./84mm	65	364 CID (6.0L) Buick	1957-1961	4.125in./104.8mmX3.400in./86.4mm	87
281 CID (4.6L) Cadillac	1993-2005	3.661in./93mmX3.307in./84mm	64	365 CID (6.0L) Cadillac	1956-1958	4.000in./101.6mmX3.625in./92.1mm	88
283 CID (4.6L) Chevrolet	1957-1967	3.875in./98.4mmX3.000in./76.2mm	72	365 CID (6.0L) Vortec 6000 Chevrolet	1999-2004	4.000in./101.6mmX3.622in./92mm	89
287 CID (4.7L) Pontiac	1955	3.750in./95.3mmX3.250in./82.6mm	73	365 CID (6.0L) Vortec 6000 LQ4 (KL6) Chevrolet Bi-fuel Gas/CNG	2002-2004	4.000in./101.6mmX3.622in./92mm	89
294 CID (4.8L) Vortec 4800 LR4 Chevrolet	1999-2004	3.780in./96mmX3.268in./83mm	74	365 CID (6.0L) Vortec 6000 LQ4 (KL8) Chevrolet CNG	2003-2004	4.000in./101.6mmX3.622in./92mm	89
300 CID (4.9L) Buick	1964-1967	3.750in./95.3mmX3.400in./86.4mm	75	366 CID (6.0L) Chevrolet	1966-1998	3.938in./100mmX3.766in./95.7mm	90
300 CID (4.9L) L26 Cadillac	1991-1995	3.622in./92mmX3.622in./92mm	65	368 CID (6.0L) Cadillac	1980-1984	3.800in./96.5mmX4.060in./103.1mm	91
301 CID (4.9L) Pontiac	1977-1981	4.000in./101.6mmX3.000in./76.2mm	71	370 CID (6.1L) General Motors	1957-1959	4.000in./101.6mmX3.688in./93.7mm	92
				370 CID (6.1L) Pontiac	1958	4.063in./103.2mmX3.563in./90.5mm	73

GENERAL MOTORS CORP. (Cont.)

ENGINE DATA (Cont.)

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
8 CYL (Cont.)				8 CYL (Cont.)			
371 CID (6.1L) Oldsmobile	1957-1960	4.000in./101.6mmX3.688in./93.7mm	93	425 CID (7.0L) Oldsmobile	1965-1967	4.125in./104.8mmX3.980in./101.1mm	99
379 CID (6.2L) Chevrolet	1982-1993	3.976in./101mmX3.819in./97mm	94	427 CID (7.0L) Chevrolet	1966-1998	4.250in./108mmX3.766in./95.7mm	90
Diesel				427 CID (7.0L) Chevrolet	1966-1969	4.250in./108mmX3.766in./95.7mm	90
389 CID (6.4L) Pontiac	1959-1966	4.063in./103.2mmX3.750in./95.3mm	95	LPG			
390 CID (6.4L) Cadillac	1959-1963	4.000in./101.6mmX3.875in./98.4mm	96	428 CID (7.0L) Pontiac	1967-1969	4.120in./104.6mmX4.000in./101.6mm	104
394 CID (6.5L) Oldsmobile	1959-1964	4.125in./104.8mmX3.688in./93.7mm	93	429 CID (7.0L) Cadillac	1964-1967	4.129in./104.9mmX4.000in./101.6mm	105
395 CID/6468CC (6.5L)	1994-1999	4.055in./103mmX3.819in./97mm	94	430 CID (7.0L) Buick	1967-1969	4.188in./106.4mmX3.900in./99mm	97
Chevrolet Diesel				454 CID (7.4L) Chevrolet	1970-2000	4.250in./108mmX4.000in./101.6mm	101
395 CID/6468CC (6.5L)	1992-2002	4.055in./103mmX3.819in./97mm	94	454 CID (7.4L) Chevrolet	1970-1976	4.250in./108mmX4.000in./101.6mm	101
Chevrolet Turbocharged				LPG			
Diesel				454 CID (7.4L) LP4	1999-2000	4.252in./108mmX4.000in./101.6mm	101
396 CID (6.6L) Chevrolet	1965-1971	4.094in./104mmX3.766in./95.7mm	90	Chevrolet LPG			
400 CID (6.6L) Buick	1967-1969	4.040in./102.6mmX3.900in./99mm	97	455 CID (7.5L) Buick	1970-1976	4.313in./109.6mmX3.900in./99mm	97
400 CID (6.6L) Chevrolet	1970-1980	4.125in./104.8mmX3.750in./95.3mm	98	455 CID (7.5L) Oldsmobile	1968-1976	4.125in./104.8mmX4.250in./108mm	99
400 CID (6.6L) Oldsmobile	1968-1969	3.875in./98.4mmX4.250in./108mm	99	455 CID (7.5L) Pontiac	1970-1976	4.151in./105.4mmX4.210in./106.9mm	104
400 CID (6.6L) Oldsmobile	1965-1967	4.000in./101.6mmX3.980in./101.1mm	99	472 CID (7.7L) Cadillac	1968-1974	4.300in./109.2mmX4.060in./103.1mm	91
400 CID (6.6L) Pontiac	1967-1979	4.120in./104.6mmX3.750in./95.3mm	80	496 CID/8135CC (8.1L)	2001-2003	4.252in./108mmX4.370in./111mm	106
400 CID (6.6L) Oldsmobile	1965-1967	4.000in./101.6mmX3.980in./101.1mm	99	Vortec 8100 L18 OHV			
LPG				Chevrolet			
401 CID (6.6L) Buick	1959-1966	4.188in./106.4mmX3.640in./92.5mm	100	500 CID (8.2L) Cadillac	1970-1976	4.300in./109.2mmX4.300in./109.2mm	91
402 CID (6.6L) Chevrolet	1970-1972	4.125in./104.8mmX3.766in./95.7mm	101	637 CID (10.4L) D	1966-1970	5.125in./130.2mmX3.859in./98mm	107
403 CID (6.6L) L80	1977-1979	4.351in./110.5mmX3.385in./86mm	102	General Motors Diesel			
Oldsmobile				637 CID (10.4L) DH	1966-1971	5.125in./130.2mmX3.859in./98mm	107
403 CID/6599CC (6.6L)	2001-2004	4.055in./103mmX3.898in./99mm	103	General Motors Diesel			
Duramax 6600 LB7 OHV				637 CID (10.4L) OHV	1966-1971	5.125in./130.2mmX3.859in./98mm	107
General Motors				General Motors			
Turbocharged/Intercooled							
Diesel							
409 CID (6.7L) Chevrolet	1961-1965	4.313in./109.6mmX3.500in./88.9mm	85				
421 CID (6.9L) Pontiac	1963-1966	4.094in./104mmX4.000in./101.6mm	104				
425 CID (7.0L) Buick	1963-1966	4.313in./109.6mmX3.640in./92.5mm	100				
425 CID (7.0L) Cadillac	1977-1979	4.082in./103.7mmX4.060in./103.1mm	91				

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
4	235 CID (3.9L) Chevrolet	1956-1959	53	260 Series	228 CID (3.7L) General Motors	1941-1942	48
6	235 CID (3.9L) Chevrolet	1955-1957	53	280 Series	228 CID (3.7L) General Motors	1947	48
6	261 CID (4.3L) Chevrolet	1955-1959	57	300	270 CID (4.4L) OHV General	1956-1959	59
88 Royale	231 CID (3.8L) Fuel Injected	1989-1999	51	Motors			
88 Royale	231 CID (3.8L) Supercharged	1995	52	300 Series	228 CID (3.7L) General Motors	1939-1942	48
	Buick			300-8	287 CID (4.7L) Pontiac	1955	73
100	228 CID (3.7L) General Motors	1939-1953	48	300-24	248 CID (4.1L) General Motors	1954-1955	48
100	248 CID (4.1L) General Motors	1954-1955	48	350	270 CID (4.4L) OHV General	1956-1959	59
100	270 CID (4.4L) OHV General	1956-1959	59	Motors			
100	287 CID (4.7L) Pontiac	1955	73	350-8	287 CID (4.7L) Pontiac	1955	73
100	317 CID (5.2L) General Motors	1956	73	350-8	336 CID (5.5L) General Motors	1958-1959	73
100	336 CID (5.5L) General Motors	1958-1959	73	350-8	347 CID (5.7L) General Motors	1957	73
100	347 CID (5.7L) General Motors	1957	73	350-24	248 CID (4.1L) General Motors	1954-1955	48
150	228 CID (3.7L) General Motors	1939-1942	48	350-27	270 CID (4.4L) OHV General	1951-1955	59
150	248 CID (4.1L) General Motors	1954-1955	48	Motors			
150	270 CID (4.4L) OHV General	1956-1959	59	370	270 CID (4.4L) OHV General	1956-1959	59
150	287 CID (4.7L) Pontiac	1955	73	Motors			
150	317 CID (5.2L) General Motors	1956	73	370-8	287 CID (4.7L) Pontiac	1955	73
150	336 CID (5.5L) General Motors	1958-1959	73	370-8	336 CID (5.5L) General Motors	1958-1959	73
150	347 CID (5.7L) General Motors	1957	73	370-8	347 CID (5.7L) General Motors	1957	73
250	228 CID (3.7L) General Motors	1939-1942	48	400-8	287 CID (4.7L) Pontiac	1955	73
250	248 CID (4.1L) General Motors	1954-1955	48	400-24	248 CID (4.1L) General Motors	1954-1955	48
250	270 CID (4.4L) OHV General	1956-1959	59	400-27	270 CID (4.4L) OHV General	1951-1955	59
250	287 CID (4.7L) Pontiac	1955	73	Motors			
250	317 CID (5.2L) General Motors	1956	73	410-8	287 CID (4.7L) Pontiac	1955	73
250	336 CID (5.5L) General Motors	1958-1959	73	410V	270 CID (4.4L) OHV General	1955	59
250	347 CID (5.7L) General Motors	1957	73	Motors			
				442	400 CID (6.6L) Oldsmobile	1968-1969	99
				442	455 CID (7.5L) Oldsmobile	1968-1971	99
				450	302 CID (5.0L) OHV General	1955-1959	59
					Motors		

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
450-30	302 CID (5.0L) OHV General Motors	1952-1954	59	8700	265 CID (4.3L) Chevrolet	1956	70
470-30	302 CID (5.0L) OHV General Motors	1952-1954	59	8800	265 CID (4.3L) Chevrolet	1956	70
500	302 CID (5.0L) OHV General Motors	1955	59	9100	348 CID (5.7L) Chevrolet	1958-1959	85
550	324 CID (5.3L) OHV General Motors	1955-1956	79	9200	348 CID (5.7L) Chevrolet	1958-1959	85
550	370 CID (6.1L) General Motors	1957-1959	92	9300	348 CID (5.7L) Chevrolet	1958-1959	85
600	324 CID (5.3L) OHV General Motors	1956	79	10100	348 CID (5.7L) Chevrolet	1958-1959	85
600	370 CID (6.1L) General Motors	1957-1959	92	10200	348 CID (5.7L) Chevrolet	1958-1959	85
1000	230 CID (3.8L) Chevrolet	1964-1965	39	10400	348 CID (5.7L) Chevrolet	1958-1959	85
1000	250 CID (4.1L) Chevrolet	1966	54	10500	348 CID (5.7L) Chevrolet	1958-1959	85
1000	305 CID (5.0L) General Motors	1960-1966	61	10700	348 CID (5.7L) Chevrolet	1958-1959	85
1200	283 CID (4.6L) Chevrolet	1958-1960	72		229 CID (3.8L) Chevrolet	1980	42
1500	230 CID (3.8L) Chevrolet	1964-1965	39		230 CID (3.8L) Chevrolet	1964-1968	39
1500	250 CID (4.1L) Chevrolet	1966	54		250 CID (4.1L) Chevrolet	1969-1979	54
1500	283 CID (4.6L) Chevrolet	1957	72		267 CID (4.4L) Chevrolet	1980	68
1500	305 CID (5.0L) General Motors	1960-1966	61		283 CID (4.6L) Chevrolet	1965-1967	72
2000 Sunbird	110 CID (1.8L) LH8 OHC Pontiac	1984-1985	12		305 CID (5.0L) Chevrolet	1978-1980	68
2000 Sunbird	110 CID (1.8L) LA5 OHC Turbo Pontiac	1984-1985	12		307 CID (5.0L) Chevrolet	1968-1969	68
2000 Sunbird	121 CID (2.0L) LQ5 Chevrolet	1984-1985	20		327 CID (5.4L) Chevrolet	1965-1969	81
2500	230 CID (3.8L) Chevrolet	1964-1965	39		350 CID (5.7L) Carbureted Chevrolet	1969-1979	68
2500	250 CID (4.1L) Chevrolet	1966	54		350 CID (5.7L) Oldsmobile Diesel	1980	66
2500	305 CID (5.0L) General Motors	1960-1963	61		305 CID (5.0L) Chevrolet	1976-1994	68
3100	216 CID (3.5L) Chevrolet	1947-1953	46		327 CID (5.4L) Chevrolet	1962-1969	81
3100	235 CID (3.9L) Chevrolet	1953-1959	53		327 CID (5.4L) Chevrolet	1962-1969	81
3100	265 CID (4.3L) Chevrolet	1955-1957	70		350 CID (5.7L) Chevrolet	1969-1985	68
3100	283 CID (4.6L) Chevrolet	1958-1959	72		427 CID (7.0L) Chevrolet	1968-1969	90
3200	235 CID (3.9L) Chevrolet	1955-1959	53		454 CID (7.4L) Chevrolet	1970-1976	101
3200	265 CID (4.3L) Chevrolet	1955-1957	70		305 CID (5.0L) Chevrolet	1976-1994	68
3200	283 CID (4.6L) Chevrolet	1958-1959	72		327 CID (5.4L) Chevrolet	1962-1969	81
3500	305 CID (5.0L) General Motors	1963-1966	61		350 CID (5.7L) Chevrolet	1969-1985	68
3600	216 CID (3.5L) Chevrolet	1947-1952	46		427 CID (7.0L) Chevrolet	1968-1969	90
3600	235 CID (3.9L) Chevrolet	1952-1959	53		454 CID (7.4L) Chevrolet	1970-1976	101
3600	265 CID (4.3L) Chevrolet	1955-1957	70		173 CID (2.8L) Chevrolet	1987-1989	37
3600	283 CID (4.6L) Chevrolet	1958-1959	72		173 CID (2.8L) Chevrolet	1987-1989	37
3800	216 CID (3.5L) Chevrolet	1947-1952	46		189 CID (3.1L) Chevrolet	1988-1993	37
3800	235 CID (3.9L) Chevrolet	1952-1959	53		189 CID (3.1L) Chevrolet	1988-1993	37
3800	265 CID (4.3L) Chevrolet	1955-1957	70		327 CID (5.4L) Chevrolet	1962-1969	81
3800	283 CID (4.6L) Chevrolet	1958-1959	72	A60	350 CID (5.7L) Chevrolet	1967-1985	68
4000	351 CID (5.8L) General Motors	1962-1966	61		400 CID (6.6L) Oldsmobile	1965-1967	99
4100	265 CID (4.3L) Chevrolet	1955-1957	70		427 CID (7.0L) Chevrolet	1966-1969	90
4400	265 CID (4.3L) Chevrolet	1955-1957	70		454 CID (7.4L) Chevrolet	1970-1976	101
4500	265 CID (4.3L) Chevrolet	1955-1957	70		478 CID (7.8L) General Motors Diesel	1965-1966	61
5000	351 CID (5.8L) General Motors	1962-1965	61	A80	478 CID (7.8L) General Motors Diesel	1965	61
5100	265 CID (4.3L) Chevrolet	1955-1956	70	A4000	351 CID (5.8L) General Motors	1960-1961	61
5400	265 CID (4.3L) Chevrolet	1955-1956	70	A5000	401 CID (6.6L) General Motors	1960-1961	61
5700	265 CID (4.3L) Chevrolet	1955-1956	70	A6000	401 CID (6.6L) General Motors	1963-1965	61
6000	151 CID (2.5L) Fuel Injected Pontiac	1982-1991	32	A6500	478 CID (7.8L) General Motors	1964-1965	61
6000	173 CID (2.8L) Chevrolet	1982-1989	36	AC400	248 CID (4.1L) General Motors	1939-1940	48
6000	189 CID (3.1L) Chevrolet	1988-1991	37	AC400	270 CID (4.4L) OHV General Motors	1939-1940	59
6000	260 CID (4.3L) Oldsmobile Diesel	1982-1985	56	AC450	248 CID (4.1L) General Motors	1939-1940	48
6100	265 CID (4.3L) Chevrolet	1956	70	ACS400	248 CID (4.1L) General Motors	1939-1940	48
6400	265 CID (4.3L) Chevrolet	1956	70	ACS400	270 CID (4.4L) OHV General Motors	1939-1940	59
6500	265 CID (4.3L) Chevrolet	1956	70		248 CID (4.1L) General Motors	1939-1940	48
6700	265 CID (4.3L) Chevrolet	1956	70	ACW400	248 CID (4.1L) General Motors	1939-1940	48
6800	265 CID (4.3L) Chevrolet	1956	70		270 CID (4.4L) OHV General Motors	1939-1940	59
7100	265 CID (4.3L) Chevrolet	1956	70	AF400	248 CID (4.1L) General Motors	1939-1940	48
7200	265 CID (4.3L) Chevrolet	1956	70	AF400	270 CID (4.4L) OHV General Motors	1939-1940	59
7300	265 CID (4.3L) Chevrolet	1956	70		248 CID (4.1L) General Motors	1939-1940	48
8200	265 CID (4.3L) Chevrolet	1956	70	AK	216 CID (3.5L) Chevrolet	1941	46
8400	265 CID (4.3L) Chevrolet	1956	70	AL	216 CID (3.5L) Chevrolet	1941	46
8500	265 CID (4.3L) Chevrolet	1956	70	AN	216 CID (3.5L) Chevrolet	1941	46

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Acadian	85 CID (1.4L) LX3 Chevrolet	1976-1977	4	BH4000	351 CID (5.8L) General Motors	1963-1965	61
Acadian	98 CID (1.6L) Chevrolet	1976-1987	4	BH5000	401 CID (6.6L) General Motors	1963-1965	61
Acadian	111 CID (1.8L) LJ5 SOHC Isuzu Diesel	1981-1986	14	BK	216 CID (3.5L) Chevrolet	1942	46
Achieva	138 CID (2.3L) DOHC Oldsmobile	1992-1995	28	BL	216 CID (3.5L) Chevrolet	1942	46
Achieva	138 CID (2.3L) L40 SOHC Oldsmobile	1992-1994	29	BN	216 CID (3.5L) Chevrolet	1942-1943	46
Achieva	146 CID (2.4L) LD9 DOHC Oldsmobile	1996-1998	30	BV4000	305 CID (5.0L) General Motors	1960-1963	61
Achieva	189 CID (3.1L) Chevrolet	1994-1998	37	BV4000	351 CID (5.8L) General Motors	1960-1961	61
Achieva	204 CID (3.3L) LG7 Buick	1992-1993	43	BV5000	351 CID (5.8L) General Motors	1960-1962	61
Alero	134 CID (2.2L) L61 DOHC General Motors	2002-2004	23	BV5500	401 CID (6.6L) General Motors	1960-1965	61
Alero	146 CID (2.4L) LD9 DOHC Oldsmobile	1999-2001	30	BV6000	401 CID (6.6L) General Motors	1960-1965	61
Alero	207 CID (3.4L) LA1 Chevrolet	1999-2004	37	BW7000	702 CID (11.5L) OHV General Motors	1960-1965	108
Allante	252 CID (4.1L) Cadillac	1987-1988	65	BW9000	702 CID (11.5L) OHV General Motors	1960-1961	108
Allante	273 CID (4.5L) Cadillac	1989-1992	65	BWA5000	351 CID (5.8L) General Motors	1960-1962	61
Allante	281 CID (4.6L) Cadillac	1993	64	BWA5000	401 CID (6.6L) General Motors	1960-1961	61
Apollo	231 CID (3.8L) Carbureted Buick	1975	50	BWA5500	401 CID (6.6L) General Motors	1960-1965	61
Apollo	250 CID (4.1L) Chevrolet	1973-1975	54	BWV5000	351 CID (5.8L) General Motors	1960-1962	61
Apollo	260 CID (4.3L) LV8 Oldsmobile	1975	67	BWV5000	401 CID (6.6L) General Motors	1960-1961	61
Apollo	350 CID (5.7L) Buick	1973-1974	86	BWV5500	401 CID (6.6L) General Motors	1960-1965	61
Astre	140 CID (2.3L) Chevrolet	1975	21	Beauville	235 CID (3.9L) Chevrolet	1955-1957	53
Astre	151 CID (2.5L) Carbureted Pontiac	1977	31	Beauville	265 CID (4.3L) Chevrolet	1955-1957	70
Astro	151 CID (2.5L) Fuel Injected Pontiac	1985-1991	32	Beauville	283 CID (4.6L) Chevrolet	1957	72
Astro	262 CID (4.3L) Chevrolet	1985-1994	58	Bel Air	230 CID (3.8L) Chevrolet	1964-1965	39
Astro	262 CID (4.3L) Vortec 4300 Chevrolet	1992-2005	58	Bel Air	235 CID (3.9L) Chevrolet	1953-1960	53
Astro EXT	262 CID (4.3L) Chevrolet	1990-1994	58	Bel Air	250 CID (4.1L) Chevrolet	1965-1975	54
Astro EXT	262 CID (4.3L) Vortec 4300 Chevrolet	1992-1994	58	Bel Air	265 CID (4.3L) Chevrolet	1955-1957	70
Aurora	212 CID (3.5L) LX5 Oldsmobile	2001-2002	45	Bel Air	283 CID (4.6L) Chevrolet	1957-1967	72
Aurora	244 CID (4.0L) L47 Oldsmobile	1995-2003	64	Bel Air	307 CID (5.0L) Chevrolet	1968	68
Avalanche 1500	325 CID (5.3L) Vortec 5300 Chevrolet	2002-2005	74	Bel Air	327 CID (5.4L) Chevrolet	1962-1968	81
Avalanche 2500	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2002-2005	106	Bel Air	348 CID (5.7L) Chevrolet	1958-1961	85
Aztek	207 CID (3.4L) LA1 Chevrolet	2001-2005	37	Bel Air	350 CID (5.7L) Carbureted Chevrolet	1969-1975	68
B6	350 CID (5.7L) Carbureted Chevrolet	1979-1989	68	Bel Air	396 CID (6.6L) Chevrolet	1965-1968	90
B6	366 CID (6.0L) Chevrolet	1979-1992	90	Bel Air	400 CID (6.6L) Chevrolet	1971-1981	98
B6	427 CID (7.0L) Chevrolet	1979-1984	90	Bel Air	402 CID (6.6L) Chevrolet	1971-1972	101
B7	366 CID (6.0L) Chevrolet	1993-1998	90	Bel Air	409 CID (6.7L) Chevrolet	1961-1965	85
B7	427 CID (7.0L) Chevrolet	1993-1998	90	Bel Air	427 CID (7.0L) Chevrolet	1966-1969	90
B3500	305 CID (5.0L) General Motors	1963-1966	61	Bel Air	454 CID (7.4L) Chevrolet	1971-1975	101
B4000	305 CID (5.0L) General Motors	1963-1966	61	Beretta	121 CID (2.0L) LL8 Chevrolet	1987-1989	19
B4000	351 CID (5.8L) General Motors	1963-1965	61	Beretta	134 CID (2.2L) LM3 Chevrolet	1990-1991	19
B5000	351 CID (5.8L) General Motors	1963-1965	61	Beretta	134 CID (2.2L) OHV Chevrolet	1992-1996	25
B6000	350 CID (5.7L) Carbureted Chevrolet	1979-1989	68	Beretta	138 CID (2.3L) DOHC Oldsmobile	1989-1993	28
B6000	366 CID (6.0L) Chevrolet	1979-1992	90	Beretta	173 CID (2.8L) Chevrolet	1987-1989	36
B6000	427 CID (7.0L) Chevrolet	1979-1984	90	Beretta	189 CID (3.1L) Chevrolet	1990-1996	37
B7000	702 CID (11.5L) OHV General Motors	1960-1965	108	Biscayne	230 CID (3.8L) Chevrolet	1964-1965	39
B7000	366 CID (6.0L) Chevrolet	1993-1998	90	Biscayne	235 CID (3.9L) Chevrolet	1958-1963	53
B7000	427 CID (7.0L) Chevrolet	1993-1998	90	Biscayne	250 CID (4.1L) Chevrolet	1965-1972	54
B7500	454 CID (7.4L) Chevrolet	1999-2000	101	Biscayne	283 CID (4.6L) Chevrolet	1958-1967	72
B7500	454 CID (7.4L) LP4 Chevrolet	1999-2000	101	Biscayne	307 CID (5.0L) Chevrolet	1968	68
BA4000	305 CID (5.0L) General Motors	1960-1963	61	Biscayne	327 CID (5.4L) Chevrolet	1962-1968	81
BA4000	351 CID (5.8L) General Motors	1960-1961	61	Biscayne	348 CID (5.7L) Chevrolet	1958-1961	85
BA5000	351 CID (5.8L) General Motors	1960-1962	61	Biscayne	350 CID (5.7L) Carbureted Chevrolet	1969-1972	68
BA5500	401 CID (6.6L) General Motors	1960-1965	61	Biscayne	396 CID (6.6L) Chevrolet	1965-1968	90
BA6000	401 CID (6.6L) General Motors	1960-1965	61	Biscayne	400 CID (6.6L) Chevrolet	1970-1972	98
BA6500	478 CID (7.8L) General Motors	1964-1965	61	Biscayne	402 CID (6.6L) Chevrolet	1970-1972	101
BH4000	305 CID (5.0L) General Motors	1963-1965	61	Biscayne	409 CID (6.7L) Chevrolet	1961-1965	85
				Biscayne	427 CID (7.0L) Chevrolet	1966-1969	90
				Biscayne	454 CID (7.4L) Chevrolet	1970-1972	101
				Blazer	250 CID (4.1L) Chevrolet	1969-1982	54
				Blazer	262 CID (4.3L) Chevrolet	1985-1988	58
				Blazer	262 CID (4.3L) Vortec 4300 Chevrolet	1995-2005	58
				Blazer	292 CID (4.8L) Chevrolet	1969-1986	60
				Blazer	305 CID (5.0L) Chevrolet	1977-1988	68
				Blazer	307 CID (5.0L) Chevrolet	1969-1972	68

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Blazer	350 CID (5.7L) Carbureted Chevrolet	1969-1986	68	C10	396 CID (6.6L) Chevrolet	1968-1969	90
Blazer	350 CID (5.7L) Oldsmobile Diesel	1978-1981	66	C10	402 CID (6.6L) Chevrolet	1970-1972	101
Blazer	350 CID (5.7L) Fuel Injected Chevrolet	1987-1994	68	C10	454 CID (7.4L) Chevrolet	1973-1982	101
Blazer	379 CID (6.2L) Chevrolet Diesel	1982-1991	94	C10 Suburban	230 CID (3.8L) Chevrolet	1963-1965	39
Blazer	395 CID/6468CC (6.5L) Chevrolet Diesel	1994	94	C10 Suburban	235 CID (3.9L) Chevrolet	1960-1962	53
Blazer	400 CID (6.6L) Chevrolet	1975-1980	98	C10 Suburban	250 CID (4.1L) Chevrolet	1966-1984	54
Blazer	454 CID (7.4L) Chevrolet	1973-1982	101	C10 Suburban	261 CID (4.3L) Chevrolet	1962	57
Blazer Xtreme	262 CID (4.3L) Vortec 4300 Chevrolet	2002-2005	58	C10 Suburban	262 CID (4.3L) Chevrolet	1985-1986	58
Bonneville	231 CID (3.8L) Carbureted Buick	1980-1986	50	C10 Suburban	283 CID (4.6L) Chevrolet	1960-1967	72
Bonneville	231 CID (3.8L) Fuel Injected Buick	1986-2005	51	C10 Suburban	292 CID (4.8L) Chevrolet	1963-1986	60
Bonneville	231 CID (3.8L) Supercharged Buick	1992-2003	52	C10 Suburban	305 CID (5.0L) Chevrolet	1977-1986	68
Bonneville	252 CID (4.1L) LC4 Buick	1982	40	C10 Suburban	307 CID (5.0L) Chevrolet	1968-1972	68
Bonneville	260 CID (4.3L) Oldsmobile Diesel	1982	56	C10 Suburban	327 CID (5.4L) Chevrolet	1965-1968	81
Bonneville	262 CID (4.3L) Chevrolet	1986	58	C10 Suburban	350 CID (5.7L) Carbureted Chevrolet	1969-1986	68
Bonneville	265 CID (4.3L) LS5 Pontiac	1980-1981	71	C10 Suburban	350 CID (5.7L) Oldsmobile Diesel	1978-1981	66
Bonneville	281 CID (4.6L) Cadillac	2004-2005	64	C10 Suburban	379 CID (6.2L) Chevrolet Diesel	1982-1986	94
Bonneville	301 CID (4.9L) Pontiac	1977-1981	71	C10 Suburban	396 CID (6.6L) Chevrolet	1968-1969	90
Bonneville	305 CID (5.0L) Chevrolet	1983-1986	68	C10 Suburban	402 CID (6.6L) Chevrolet	1970-1972	101
Bonneville	307 CID (5.0L) Oldsmobile	1981	78	C10 Suburban	454 CID (7.4L) Chevrolet	1973-1982	101
Bonneville	350 CID (5.7L) Oldsmobile	1977-1980	67	C20	230 CID (3.8L) Chevrolet	1963-1969	39
Bonneville	350 CID (5.7L) Buick	1978-1979	86	C20	235 CID (3.9L) Chevrolet	1960-1962	53
Bonneville	350 CID (5.7L) Pontiac	1976-1977	80	C20	250 CID (4.1L) Chevrolet	1966-1984	54
Bonneville	350 CID (5.7L) Carbureted Chevrolet	1977-1979	68	C20	261 CID (4.3L) Chevrolet	1962	57
Bonneville	350 CID (5.7L) Oldsmobile Diesel	1980-1984	66	C20	262 CID (4.3L) Chevrolet	1985-1986	58
Bonneville	389 CID (6.4L) Pontiac	1960-1966	95	C20	283 CID (4.6L) Chevrolet	1960-1967	72
Bonneville	400 CID (6.6L) Pontiac	1967-1978	80	C20	292 CID (4.8L) Chevrolet	1963-1986	60
Bonneville	400 CID (6.6L) Chevrolet	1973-1976	98	C20	305 CID (5.0L) Chevrolet	1977-1986	68
Bonneville	403 CID (6.6L) L80 Oldsmobile	1977-1979	102	C20	307 CID (5.0L) Chevrolet	1968-1972	68
Bonneville	421 CID (6.9L) Pontiac	1963-1966	104	C20	327 CID (5.4L) Chevrolet	1965-1968	81
Bonneville	428 CID (7.0L) Pontiac	1967-1969	104	C20	350 CID (5.7L) Carbureted Chevrolet	1969-1986	68
Bonneville	455 CID (7.5L) Pontiac	1970-1975	104	C20 Suburban	379 CID (6.2L) Chevrolet Diesel	1982-1986	94
Bonneville Custom	389 CID (6.4L) Pontiac	1959-1962	95	C20 Suburban	396 CID (6.6L) Chevrolet	1968-1969	90
Bravada	254 CID (4.2L) LL8 -Vortec 4200,DOHC,24v Chevrolet	2002-2004	55	C20 Suburban	402 CID (6.6L) Chevrolet	1970-1972	101
Bravada	262 CID (4.3L) Chevrolet	1991-1994	58	C20 Suburban	454 CID (7.4L) Chevrolet	1973-1986	101
Bravada	262 CID (4.3L) Vortec 4300 Chevrolet	1992-2001	58	C20 Suburban	250 CID (4.1L) Chevrolet	1967-1984	54
Brookwood	235 CID (3.9L) Chevrolet	1958-1960	53	C20 Suburban	262 CID (4.3L) Chevrolet	1985-1986	58
Brookwood	283 CID (4.6L) Chevrolet	1958-1961	72	C20 Suburban	283 CID (4.6L) Chevrolet	1967	72
Brookwood	348 CID (5.7L) Chevrolet	1958-1961	85	C20 Suburban	292 CID (4.8L) Chevrolet	1967-1986	60
Brookwood	409 CID (6.7L) Chevrolet	1961	85	C20 Suburban	305 CID (5.0L) Chevrolet	1977-1986	68
Brougham	305 CID (5.0L) Chevrolet	1991-1992	68	C20 Suburban	307 CID (5.0L) Chevrolet	1968-1972	68
Brougham	350 CID (5.7L) Fuel Injected Chevrolet	1990-1996	68	C20 Suburban	327 CID (5.4L) Chevrolet	1967-1968	81
C10	230 CID (3.8L) Chevrolet	1963-1969	39	C20 Suburban	350 CID (5.7L) Carbureted Chevrolet	1969-1986	68
C10	235 CID (3.9L) Chevrolet	1960-1962	53	C20 Suburban	379 CID (6.2L) Chevrolet Diesel	1982-1986	94
C10	250 CID (4.1L) Chevrolet	1966-1984	54	C20 Suburban	396 CID (6.6L) Chevrolet	1968-1969	90
C10	261 CID (4.3L) Chevrolet	1962	57	C20 Suburban	402 CID (6.6L) Chevrolet	1970-1972	101
C10	262 CID (4.3L) Chevrolet	1985-1986	58	C20 Suburban	454 CID (7.4L) Chevrolet	1973-1986	101
C10	283 CID (4.6L) Chevrolet	1960-1967	72	C30	230 CID (3.8L) Chevrolet	1963-1969	39
C10	292 CID (4.8L) Chevrolet	1963-1986	60	C30	235 CID (3.9L) Chevrolet	1960-1962	53
C10	305 CID (5.0L) Chevrolet	1977-1986	68	C30	250 CID (4.1L) Chevrolet	1966-1975	54
C10	307 CID (5.0L) Chevrolet	1968-1972	68	C30	261 CID (4.3L) Chevrolet	1962	57
C10	327 CID (5.4L) Chevrolet	1965-1968	81	C30	283 CID (4.6L) Chevrolet	1960-1967	72
C10	350 CID (5.7L) Carbureted Chevrolet	1969-1986	68	C30	292 CID (4.8L) Chevrolet	1963-1986	60
C10	350 CID (5.7L) Oldsmobile Diesel	1978-1981	66	C30	305 CID (5.0L) Chevrolet	1981-1986	68
C10	379 CID (6.2L) Chevrolet Diesel	1982-1986	94	C30	307 CID (5.0L) Chevrolet	1968-1972	68
				C30	327 CID (5.4L) Chevrolet	1965-1968	81
				C30	350 CID (5.7L) Carbureted Chevrolet	1969-1986	68
				C30	379 CID (6.2L) Chevrolet Diesel	1982-1986	94
				C30	396 CID (6.6L) Chevrolet	1968-1969	90
				C30	402 CID (6.6L) Chevrolet	1970-1972	101
				C30	454 CID (7.4L) Chevrolet	1973-1986	101
				C40	235 CID (3.9L) Chevrolet	1960-1962	53
				C50	230 CID (3.8L) Chevrolet	1963-1965	39
				C50	235 CID (3.9L) Chevrolet	1960-1962	53

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
C50	350 CID (5.7L) Carbureted Chevrolet	1979-1989	68	C1500	292 CID (4.8L) Chevrolet	1967-1971	60
C50	366 CID (6.0L) Chevrolet	1990-1991	90	C1500	305 CID (5.0L) General Motors	1967-1969	61
C60	261 CID (4.3L) Chevrolet	1960-1962	57	C1500	305 CID (5.0L) Chevrolet	1977-1999	68
C60	366 CID (6.0L) Chevrolet	1966	90	C1500	307 CID (5.0L) Chevrolet	1970-1972	68
C60	350 CID (5.7L) Carbureted Chevrolet	1979-1989	68	C1500	350 CID (5.7L) Carbureted Chevrolet	1970-1986	68
C60	366 CID (6.0L) Chevrolet	1979-1988	90	C1500	350 CID (5.7L) Oldsmobile Diesel	1978-1981	66
C60 Kodiak	366 CID (6.0L) Chevrolet	1990-1996	90	C1500	350 CID (5.7L) Fuel Injected Chevrolet	1988-1999	68
C65	366 CID (6.0L) Chevrolet	1992-1996	90	C1500	379 CID (6.2L) Chevrolet Diesel	1982-1993	94
C70	348 CID (5.7L) Chevrolet	1960-1961	85	C1500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1998	94
C70	366 CID (6.0L) Chevrolet	1979-1988	90	C1500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	94
C70	427 CID (7.0L) Chevrolet	1979-1989	90	C1500	396 CID (6.6L) Chevrolet	1967-1970	90
C70	454 CID (7.4L) Chevrolet	1979-1982	101	C1500	402 CID (6.6L) Chevrolet	1971-1972	101
C70 Kodiak	366 CID (6.0L) Chevrolet	1990-1996	90	C1500	454 CID (7.4L) Chevrolet	1973-1993	101
C70 Kodiak	427 CID (7.0L) Chevrolet	1990-1996	90	C2500	262 CID (4.3L) Chevrolet	1988-1995	58
C80	348 CID (5.7L) Chevrolet	1960-1965	85	C2500	305 CID (5.0L) Chevrolet	1988-1998	68
C80	366 CID (6.0L) Chevrolet	1966	90	C2500	350 CID (5.7L) Fuel Injected Chevrolet	1988-2000	68
C80	409 CID (6.7L) Chevrolet	1962-1965	85	C2500	350 CID (5.7L) KL5 Chevrolet	1996-2000	68
C1500	262 CID (4.3L) Chevrolet	1988-1995	58	C2500	379 CID (6.2L) Chevrolet Diesel	1988-1993	94
C1500	262 CID (4.3L) Vortec 4300 Chevrolet	1996-1998	58	C2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-2000	94
C1500	305 CID (5.0L) Chevrolet	1988-1998	68	C2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	94
C1500	350 CID (5.7L) Fuel Injected Chevrolet	1988-1998	68	C2500	454 CID (7.4L) Chevrolet	1990-2000	101
C1500	379 CID (6.2L) Chevrolet Diesel	1988-1993	94	C2500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1992-1999	68
C1500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1998	94	C2500 Suburban	379 CID (6.2L) Chevrolet Diesel	1992-1993	94
C1500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	94	C2500 Suburban	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-1999	94
C1500	454 CID (7.4L) Chevrolet	1988-1993	101	C2500 Suburban	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	94
C1500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1992-1999	68	C2500 Suburban	454 CID (7.4L) Chevrolet	1990-2000	101
C1500 Suburban	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	94	C2500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1992-1999	68
C1500 Suburban	250 CID (4.1L) Chevrolet	1967-1984	54	C2500 Suburban	379 CID (6.2L) Chevrolet Diesel	1992-1993	94
C1500 Suburban	262 CID (4.3L) Chevrolet	1985-1986	58	C2500 Suburban	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-1999	94
C1500 Suburban	292 CID (4.8L) Chevrolet	1967-1971	60	C2500 Suburban	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	94
C1500 Suburban	305 CID (5.0L) General Motors	1967-1969	61	C2500 Suburban	454 CID (7.4L) Chevrolet	1992-1999	101
C1500 Suburban	305 CID (5.0L) Chevrolet	1977-1986	68	C2500 Suburban	250 CID (4.1L) Chevrolet	1967-1984	54
C1500 Suburban	307 CID (5.0L) Chevrolet	1970-1972	68	C2500 Suburban	262 CID (4.3L) Chevrolet	1985-1986	58
C1500 Suburban	350 CID (5.7L) Carbureted Chevrolet	1970-1986	68	C2500 Suburban	292 CID (4.8L) Chevrolet	1967-1986	60
C1500 Suburban	350 CID (5.7L) Oldsmobile Diesel	1978-1981	66	C2500 Suburban	305 CID (5.0L) General Motors	1967-1969	61
C1500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1992-1999	68	C2500 Suburban	305 CID (5.0L) Chevrolet	1977-1986	68
C1500 Suburban	379 CID (6.2L) Chevrolet Diesel	1982-1986	94	C2500 Suburban	307 CID (5.0L) Chevrolet	1970-1972	68
C1500 Suburban	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	94	C2500 Suburban	350 CID (5.7L) Carbureted Chevrolet	1970-1986	68
C1500 Suburban	396 CID (6.6L) Chevrolet	1968-1970	90	C2500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1992-1999	68
C1500 Suburban	402 CID (6.6L) Chevrolet	1971-1972	101	C2500 Suburban	379 CID (6.2L) Chevrolet Diesel	1982-1986	94
C1500 Suburban	454 CID (7.4L) Chevrolet	1973-1979	101	C2500 Suburban	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-1999	94
C1500	250 CID (4.1L) Chevrolet	1967-1984	54	C2500 Suburban	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	94
C1500	262 CID (4.3L) Chevrolet	1985-1995	58	C2500 Suburban	396 CID (6.6L) Chevrolet	1968-1970	90
C1500	262 CID (4.3L) Vortec 4300 Chevrolet	1996-1998	58				

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
C2500 Suburban	402 CID (6.6L) Chevrolet	1971-1972	101	C4500	403 CID/6599CC (6.6L) Duramax Diesel	2003-2004	103
C2500 Suburban	454 CID (7.4L) Chevrolet	1973-1999	101	C4500	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2003-2005	106
C2500	250 CID (4.1L) Chevrolet	1967-1984	54	C4500	403 CID/6599CC (6.6L) Duramax Diesel	2003-2004	103
C2500	262 CID (4.3L) Chevrolet	1985-1995	58	C4500	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2003-2005	106
C2500	292 CID (4.8L) Chevrolet	1967-1986	60	C5000	292 CID (4.8L) Chevrolet	1979-1986	60
C2500	305 CID (5.0L) General Motors	1967-1969	61	C5000	350 CID (5.7L) Carbureted Chevrolet	1979-1989	68
C2500	305 CID (5.0L) Chevrolet	1977-1998	68	C5000	366 CID (6.0L) Chevrolet	1990-1991	90
C2500	307 CID (5.0L) Chevrolet	1970-1972	68	C5500	366 CID (6.0L) Chevrolet	1997-1998	90
C2500	350 CID (5.7L) Carbureted Chevrolet	1970-1986	68	C5500	403 CID/6599CC (6.6L) Duramax Diesel	2003-2004	103
C2500	350 CID (5.7L) Fuel Injected Chevrolet	1988-1999	68	C5500	427 CID (7.0L) Chevrolet	1997-1998	90
C2500	379 CID (6.2L) Chevrolet Diesel	1982-1986	94	C5500	454 CID (7.4L) Chevrolet	1999-2000	101
C2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-1999	94	C5500	454 CID (7.4L) LP4 Chevrolet	1999-2000	101
C2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	94	C5500	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2004	106
C2500	396 CID (6.6L) Chevrolet	1968-1970	90	C6000	292 CID (4.8L) Chevrolet	1979-1986	60
C2500	402 CID (6.6L) Chevrolet	1971-1972	101	C6000	350 CID (5.7L) Carbureted Chevrolet	1979-1989	68
C2500	454 CID (7.4L) Chevrolet	1973-1999	101	C6000	366 CID (6.0L) Chevrolet	1979-1988	90
C3500	262 CID (4.3L) Chevrolet	1988-1991	58	C6000 Topkick	366 CID (6.0L) Chevrolet	1990-1996	90
C3500	305 CID (5.0L) Chevrolet	1988-1991	68	C6500	366 CID (6.0L) Chevrolet	1992-1998	90
C3500	350 CID (5.7L) Fuel Injected Chevrolet	1988-2000	68	C6500	427 CID (7.0L) Chevrolet	1997-1998	90
C3500	379 CID (6.2L) Chevrolet Diesel	1988-1993	94	C6500	454 CID (7.4L) Chevrolet	1999-2000	101
C3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-2000	94	C6500	454 CID (7.4L) LP4 Chevrolet	1999-2000	101
C3500	454 CID (7.4L) Chevrolet	1988-2000	101	C6500	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2004	106
C3500	250 CID (4.1L) Chevrolet	1967-1974	54	C7000	366 CID (6.0L) Chevrolet	1979-1988	90
C3500	262 CID (4.3L) Chevrolet	1988-1991	58	C7000	427 CID (7.0L) Chevrolet	1979-1989	90
C3500	292 CID (4.8L) Chevrolet	1967-1986	60	C7000	454 CID (7.4L) Chevrolet	1979-1982	101
C3500	305 CID (5.0L) General Motors	1967-1969	61	C7000 Topkick	366 CID (6.0L) Chevrolet	1990-1996	90
C3500	305 CID (5.0L) Chevrolet	1985-1991	68	C7000 Topkick	427 CID (7.0L) Chevrolet	1990-1996	90
C3500	307 CID (5.0L) Chevrolet	1970-1972	68	C7500	366 CID (6.0L) Chevrolet	1997-1998	90
C3500	350 CID (5.7L) Carbureted Chevrolet	1970-1986	68	C7500	427 CID (7.0L) Chevrolet	1997-1998	90
C3500	350 CID (5.7L) Fuel Injected Chevrolet	1988-1999	68	C7500	454 CID (7.4L) Chevrolet	1999-2000	101
C3500	379 CID (6.2L) Chevrolet Diesel	1982-1986	94	C7500	454 CID (7.4L) LP4 Chevrolet	1999-2000	101
C3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-1999	94	C7500	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2004	106
C3500	396 CID (6.6L) Chevrolet	1968-1970	90	C8500	366 CID (6.0L) Chevrolet	1997-1998	90
C3500	402 CID (6.6L) Chevrolet	1971-1972	101	C8500	427 CID (7.0L) Chevrolet	1997-1998	90
C3500	454 CID (7.4L) Chevrolet	1973-1999	101	C8500	454 CID (7.4L) Chevrolet	1999-2000	101
C3500HD	395 CID/6468CC (6.5L) Chevrolet Diesel	1999-2002	94	C8500	454 CID (7.4L) LP4 Chevrolet	1999-2000	101
C3500HD	454 CID (7.4L) Chevrolet	1999-2000	101	C8500	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2004	106
C3500HD	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2002	106	CC300	236 CID (3.9L) OHV General Motors	1942-1946	48
				CC350	236 CID (3.9L) OHV General Motors	1942-1946	48
				CC400	248 CID (4.1L) General Motors	1941-1946	48
				CC400	270 CID (4.4L) OHV General Motors	1941-1947	59
				CC450	248 CID (4.1L) General Motors	1941-1947	48
				CCS300	236 CID (3.9L) OHV General Motors	1942-1946	48
				CCS350	236 CID (3.9L) OHV General Motors	1942-1946	48
				CCS400	248 CID (4.1L) General Motors	1941-1946	48
				CCS400	270 CID (4.4L) OHV General Motors	1941-1947	59
				CCS450	248 CID (4.1L) General Motors	1941-1946	48
				CCT350	236 CID (3.9L) OHV General Motors	1942-1946	48

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
CCT400	270 CID (4.4L) OHV General Motors	1941-1947	59	Caballero	231 CID (3.8L) Carbureted Buick	1978-1984	50
CCW400	248 CID (4.1L) General Motors	1941-1946	48	Caballero	262 CID (4.3L) Chevrolet	1985-1987	58
CCW400	270 CID (4.4L) OHV General Motors	1941-1947	59	Caballero	267 CID (4.4L) L39 Chevrolet	1979-1982	68
CE40	350 CID (5.7L) Carbureted Chevrolet	1969-1972	68	Caballero	305 CID (5.0L) Chevrolet	1978-1987	68
CE50	327 CID (5.4L) Chevrolet	1966-1968	81	Caballero	350 CID (5.7L) Carbureted Chevrolet	1978-1980	68
CE50	350 CID (5.7L) Carbureted Chevrolet	1969-1978	68	Caballero	350 CID (5.7L) Oldsmobile Diesel	1983-1984	66
CE50	366 CID (6.0L) Chevrolet	1967-1972	90	Calais	138 CID (2.3L) DOHC Oldsmobile	1987-1991	28
CE60	327 CID (5.4L) Chevrolet	1966-1968	81	Calais	151 CID (2.5L) Fuel Injected Pontiac	1985-1991	32
CE60	350 CID (5.7L) Carbureted Chevrolet	1973-1978	68	Calais	181 CID (3.0L) Buick	1985-1988	38
CE60	366 CID (6.0L) Chevrolet	1967-1978	90	Calais	204 CID (3.3L) LG7 Buick	1989-1991	43
CE60	427 CID (7.0L) Chevrolet	1966-1972	90	Calais	429 CID (7.0L) Cadillac	1965-1967	105
CE65	366 CID (6.0L) Chevrolet	1973-1978	90	Calais	472 CID (7.7L) Cadillac	1968-1974	91
CE65	427 CID (7.0L) Chevrolet	1973-1978	90	Calais	500 CID (8.2L) Cadillac	1975-1976	91
CE5500	366 CID (6.0L) Chevrolet	1969-1972	90	Camaro	151 CID (2.5L) Carbureted Pontiac	1982-1983	31
CE6000	366 CID (6.0L) Chevrolet	1973-1978	90	Camaro	151 CID (2.5L) Fuel Injected Pontiac	1982-1986	32
CE6500	366 CID (6.0L) Chevrolet	1969-1978	90	Camaro	173 CID (2.8L) Chevrolet	1982-1989	36
CE6500	427 CID (7.0L) Chevrolet	1969-1978	90	Camaro	189 CID (3.1L) Chevrolet	1990-1992	37
CE9500	637 CID (10.4L) OHV General Motors	1967-1968	107	Camaro	207 CID (3.4L) L32 Chevrolet	1993-1995	37
CF300	236 CID (3.9L) OHV General Motors	1942-1946	48	Camaro	229 CID (3.8L) LC3 Chevrolet	1980-1984	42
CF350	236 CID (3.9L) OHV General Motors	1942-1946	48	Camaro	230 CID (3.8L) Chevrolet	1967-1970	39
CF400	248 CID (4.1L) General Motors	1941-1946	48	Camaro	231 CID (3.8L) Carbureted Buick	1978-1987	50
CF400	270 CID (4.4L) OHV General Motors	1941-1947	59	Camaro	231 CID (3.8L) Fuel Injected Buick	1995-2002	51
CF450	248 CID (4.1L) General Motors	1941-1947	48	Camaro	250 CID (4.1L) Chevrolet	1967-1979	54
CFT400	270 CID (4.4L) OHV General Motors	1941-1947	59	Camaro	267 CID (4.4L) L39 Chevrolet	1979-1982	68
CFW350	236 CID (3.9L) OHV General Motors	1942-1946	48	Camaro	283 CID (4.6L) Chevrolet	1967	72
CFW400	270 CID (4.4L) OHV General Motors	1941-1947	59	Camaro	302 CID (5.0L) Chevrolet	1967-1969	76
CG50	478 CID (7.8L) General Motors Diesel	1967-1970	61	Camaro	305 CID (5.0L) Chevrolet	1976-1993	68
CG60	478 CID (7.8L) General Motors Diesel	1967-1969	61	Camaro	307 CID (5.0L) Chevrolet	1968-1973	68
CG5500	478 CID (7.8L) General Motors Diesel	1970-1972	61	Camaro	327 CID (5.4L) Chevrolet	1967-1969	81
CG6000	478 CID (7.8L) General Motors Diesel	1973-1974	61	Camaro	346 CID (5.7L) LS1 Chevrolet	1998-2002	74
CJ9500	637 CID (10.4L) D General Motors Diesel	1967-1968	107	Camaro	350 CID (5.7L) Carbureted Chevrolet	1967-1981	68
CK	216 CID (3.5L) Chevrolet	1944-1945	46	Camaro	350 CID (5.7L) Fuel Injected Chevrolet	1987-1997	68
CM65	432 CID (7.1L) General Motors	1973-1974	62	Camaro	396 CID (6.6L) Chevrolet	1967-1970	90
CM3500	305 CID (5.0L) General Motors	1967-1969	61	Camaro	402 CID (6.6L) Chevrolet	1970-1972	101
CM3500	351 CID (5.8L) General Motors	1967-1969	61	Camaro	427 CID (7.0L) Chevrolet	1967-1969	90
CM5500	305 CID (5.0L) General Motors	1970-1972	61	Caprice	229 CID (3.8L) LC3 Chevrolet	1980-1984	42
CM5500	351 CID (5.8L) General Motors	1970-1972	61	Caprice	231 CID (3.8L) Carbureted Buick	1980-1985	50
CM6000	305 CID (5.0L) General Motors	1973-1974	61	Caprice	250 CID (4.1L) Chevrolet	1976-1979	54
CM6000	379 CID (6.2L) General Motors	1973-1974	62	Caprice	262 CID (4.3L) Chevrolet	1985-1993	58
CM6500	351 CID (5.8L) General Motors	1970-1972	61	Caprice	265 CID (4.3L) L99 Chevrolet	1994-1996	68
CM6500	379 CID (6.2L) General Motors	1973-1974	62	Caprice	267 CID (4.4L) L39 Chevrolet	1980-1982	68
CM6500	432 CID (7.1L) General Motors	1973-1974	62	Caprice	283 CID (4.6L) Chevrolet	1966-1967	72
CS40	250 CID (4.1L) Chevrolet	1967-1972	54	Caprice	305 CID (5.0L) Chevrolet	1977-1993	68
CS50	250 CID (4.1L) Chevrolet	1966	54	Caprice	307 CID (5.0L) Chevrolet	1968-1973	68
CS4500	292 CID (4.8L) Chevrolet	1970-1972	60	Caprice	307 CID (5.0L) Oldsmobile	1980-1990	78
CS5000	292 CID (4.8L) Chevrolet	1973-1978	60	Caprice	327 CID (5.4L) Chevrolet	1966-1969	81
CS5500	292 CID (4.8L) Chevrolet	1970-1972	60	Caprice	350 CID (5.7L) Carbureted Chevrolet	1967-1988	68
CS6000	292 CID (4.8L) Chevrolet	1973-1978	60	Caprice	350 CID (5.7L) Oldsmobile Diesel	1978-1985	66
CTF350	236 CID (3.9L) OHV General Motors	1942-1946	48	Caprice	350 CID (5.7L) Fuel Injected Chevrolet	1989-1996	68
CTS-V	346 CID (5.7L) LS6 Chevrolet	2004-2005	74	Caprice	396 CID (6.6L) Chevrolet	1966-1968	90
Caballero	200 CID (3.3L) L26 Chevrolet	1978-1979	42	Caprice	400 CID (6.6L) Chevrolet	1970-1976	98
Caballero	229 CID (3.8L) LC3 Chevrolet	1980-1984	42	Caprice	402 CID (6.6L) Chevrolet	1970-1972	101
				Caprice	427 CID (7.0L) Chevrolet	1966-1969	90
				Caprice	454 CID (7.4L) Chevrolet	1970-1975	101
				Catalina	231 CID (3.8L) Carbureted Buick	1976-1981	50
				Catalina	265 CID (4.3L) LS5 Pontiac	1980-1981	71
				Catalina	301 CID (4.9L) Pontiac	1977-1981	71

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Catalina	305 CID (5.0L) Chevrolet	1977	68	Century	403 CID (6.6L) L80 Oldsmobile	1977-1979	102
Catalina	307 CID (5.0L) Oldsmobile	1980-1981	78	Century	455 CID (7.5L) Buick	1973-1974	97
Catalina	350 CID (5.7L) Oldsmobile	1972-1980	67	Chevelle	194 CID (3.2L) Chevrolet	1964-1966	39
Catalina	350 CID (5.7L) Buick	1978-1980	86	Chevelle	230 CID (3.8L) Chevrolet	1964-1969	39
Catalina	350 CID (5.7L) Pontiac	1971-1977	80	Chevelle	250 CID (4.1L) Chevrolet	1967-1977	54
Catalina	350 CID (5.7L) Carbureted Chevrolet	1974-1981	68	Chevelle	283 CID (4.6L) Chevrolet	1964-1967	72
Catalina	350 CID (5.7L) Oldsmobile Diesel	1978-1981	66	Chevelle	305 CID (5.0L) Chevrolet	1976	68
Catalina	389 CID (6.4L) Pontiac	1959-1965	95	Chevelle	307 CID (5.0L) Chevrolet	1968-1973	68
Catalina	400 CID (6.6L) Pontiac	1967-1978	80	Chevelle	327 CID (5.4L) Chevrolet	1964-1968	81
Catalina	403 CID (6.6L) L80 Oldsmobile	1977-1979	102	Chevelle	350 CID (5.7L) Carbureted Chevrolet	1969-1977	68
Catalina	421 CID (6.9L) Pontiac	1963-1966	104	Chevelle	396 CID (6.6L) Chevrolet	1965-1969	90
Catalina	428 CID (7.0L) Pontiac	1967-1969	104	Chevelle	400 CID (6.6L) Chevrolet	1974-1976	98
Catalina	455 CID (7.5L) Pontiac	1970-1975	104	Chevelle	402 CID (6.6L) Chevrolet	1970-1972	101
Cavalier	112 CID (1.8L) L46 Chevrolet	1982	15	Chevelle	454 CID (7.4L) Chevrolet	1970-1975	101
Cavalier	121 CID (2.0L) LQ5 Chevrolet	1983-1986	20	Chevette	85 CID (1.4L) LX3 Chevrolet	1976-1977	4
Cavalier	121 CID (2.0L) LR9 Chevrolet	1983-1984	20	Chevette	98 CID (1.6L) Chevrolet	1976-1987	4
Cavalier	121 CID (2.0L) LL8 Chevrolet	1987-1989	19	Chevette	111 CID (1.8L) LJ5 SOHC Isuzu Diesel	1981-1986	14
Cavalier	134 CID (2.2L) LM3 Chevrolet	1990-1991	19	Chevy II	153 CID (2.5L) Chevrolet	1962-1968	33
Cavalier	134 CID (2.2L) OHV Chevrolet	1992-2002	25	Chevy II	194 CID (3.2L) Chevrolet	1962-1966	39
Cavalier	134 CID (2.2L) LN2/KL6 Chevrolet	2000-2002	24	Chevy II	230 CID (3.8L) Chevrolet	1964-1968	39
Cavalier	134 CID (2.2L) L61 DOHC General Motors	2002-2005	23	Chevy II	250 CID (4.1L) Chevrolet	1967-1968	54
Cavalier	134 CID (2.2L) L42 DOHC General Motors	2003	23	Chevy II	283 CID (4.6L) Chevrolet	1962-1966	72
Cavalier	138 CID (2.3L) DOHC Oldsmobile	1995	28	Chevy II	307 CID (5.0L) Chevrolet	1968	68
Cavalier	146 CID (2.4L) LD9 DOHC Oldsmobile	1996-2002	30	Chevy II	327 CID (5.4L) Chevrolet	1962-1968	81
Cavalier	173 CID (2.8L) Chevrolet	1985-1989	36	Chieftain	287 CID (4.7L) Pontiac	1955	73
Cavalier	189 CID (3.1L) Chevrolet	1990-1994	37	Chieftain	347 CID (5.7L) General Motors	1957	73
Celebrity	151 CID (2.5L) Carbureted Pontiac	1982-1983	31	Chieftain	370 CID (6.1L) Pontiac	1958	73
Celebrity	151 CID (2.5L) Fuel Injected Pontiac	1982-1990	32	Cimarron	112 CID (1.8L) L46 Chevrolet	1982	15
Celebrity	173 CID (2.8L) Chevrolet	1982-1989	36	Cimarron	121 CID (2.0L) LQ5 Chevrolet	1983-1986	20
Celebrity	189 CID (3.1L) Chevrolet	1990	37	Cimarron	121 CID (2.0L) LR9 Chevrolet	1983-1984	20
Celebrity	260 CID (4.3L) Oldsmobile Diesel	1982-1985	56	Cimarron	173 CID (2.8L) Chevrolet	1985-1988	36
Centurion	350 CID (5.7L) Buick	1971	86	Citation	151 CID (2.5L) Carbureted Pontiac	1980-1982	31
Centurion	455 CID (7.5L) Buick	1971-1973	97	Citation	151 CID (2.5L) Fuel Injected Pontiac	1982	32
Century	134 CID (2.2L) OHV Chevrolet	1993-1996	25	Citation	173 CID (2.8L) Chevrolet	1980-1983	36
Century	151 CID (2.5L) Carbureted Pontiac	1982-1983	31	Citation 2	151 CID (2.5L) Fuel Injected Pontiac	1984-1985	32
Century	151 CID (2.5L) Fuel Injected Pontiac	1982-1992	32	Citation 2	173 CID (2.8L) Chevrolet	1984-1985	36
Century	173 CID (2.8L) Chevrolet	1982-1989	36	Classic	134 CID (2.2L) L61 DOHC General Motors	2004-2005	23
Century	181 CID (3.0L) Buick	1982-1985	38	Classic Sierra 1500	305 CID (5.0L) Chevrolet	1999	68
Century	189 CID (3.1L) Chevrolet	1994-2005	37	Classic Sierra 1500	350 CID (5.7L) Fuel Injected Chevrolet	1999	68
Century	196 CID (3.2L) LC9 Buick	1978-1979	40	Classic Sierra 2500	350 CID (5.7L) Fuel Injected Chevrolet	1997-2000	68
Century	204 CID (3.3L) LG7 Buick	1989-1993	43	Classic Sierra 2500	350 CID (5.7L) KL5 Chevrolet	1997-2000	68
Century	231 CID (3.8L) Carbureted Buick	1975-1981	50	Classic Sierra 2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1999-2000	94
Century	231 CID (3.8L) Turbo Buick	1978-1981	38	Classic Sierra 2500	454 CID (7.4L) Chevrolet	1999-2000	101
Century	231 CID (3.8L) Fuel Injected Buick	1984-1988	51	Classic Sierra 3500	350 CID (5.7L) Fuel Injected Chevrolet	1999-2000	68
Century	252 CID (4.1L) LC4 Buick	1984	40	Classic Sierra 3500	350 CID (5.7L) KL5 Chevrolet	1997-2000	68
Century	260 CID (4.3L) Oldsmobile Diesel	1982-1985	56	Classic Sierra 3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1999-2000	94
Century	265 CID (4.3L) LS5 Pontiac	1980-1981	71	Classic Sierra 3500HD	454 CID (7.4L) Chevrolet	1999-2000	101
Century	267 CID (4.4L) L39 Chevrolet	1981	68	Classic Sierra 3500HD	496 CID/8135CC (8.1L) Vortec	2001-2002	106
Century	301 CID (4.9L) Pontiac	1978-1981	71		8100 L18 OHV Chevrolet		
Century	305 CID (5.0L) Chevrolet	1977-1981	68	Cobalt	134 CID (2.2L) L61 DOHC General Motors	2005	23
Century	322 CID (5.3L) Buick	1954-1956	69	Commercial Chassis	252 CID (4.1L) LC4 Buick	1981	40
Century	350 CID (5.7L) Oldsmobile	1977-1979	67	Commercial Chassis	252 CID (4.1L) Cadillac	1985-1987	65
Century	350 CID (5.7L) Buick	1973-1977	86	Commercial Chassis	273 CID (4.5L) Cadillac	1988-1989	65
Century	350 CID (5.7L) Carbureted Chevrolet	1977-1979	68	Commercial Chassis	300 CID (4.9L) L26 Cadillac	1991-1993	65
Century	364 CID (6.0L) Buick	1957-1958	87				

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Commercial Chassis	368 CID (6.0L) Cadillac	1980-1984	91	Cutlass 'S'	231 CID (3.8L) Carbureted Buick	1977	50
Commercial Chassis	425 CID (7.0L) Cadillac	1977-1979	91	Cutlass 'S'	250 CID (4.1L) Chevrolet	1968-1976	54
Commercial Chassis	500 CID (8.2L) Cadillac	1976	91	Cutlass 'S'	260 CID (4.3L) LV8 Oldsmobile	1975-1977	67
Corsica	121 CID (2.0L) LL8 Chevrolet	1987-1988	19	Cutlass 'S'	350 CID (5.7L) Oldsmobile	1968-1977	67
Corsica	134 CID (2.2L) LM3 Chevrolet	1990	19	Cutlass 'S'	403 CID (6.6L) L80 Oldsmobile	1977	102
Corsica	134 CID (2.2L) OHV Chevrolet	1992-1996	25	Cutlass 'S'	455 CID (7.5L) Oldsmobile	1972-1976	99
Corsica	138 CID (2.3L) DOHC Oldsmobile	1989-1993	28	Cutlass Ciera	134 CID (2.2L) OHV Chevrolet	1993-1996	25
Corsica	173 CID (2.8L) Chevrolet	1987-1988	36	Cutlass Ciera	151 CID (2.5L) Fuel Injected Pontiac	1982-1992	32
Corsica	189 CID (3.1L) Chevrolet	1990-1996	37	Cutlass Ciera	173 CID (2.8L) Chevrolet	1986-1989	36
Corvair	140 CID (2.3L) Chevrolet Corvair	1960-1961	35	Cutlass Ciera	181 CID (3.0L) Buick	1982-1985	38
Corvair	145 CID (2.4L) Chevrolet Corvair	1961-1963	35	Cutlass Ciera	189 CID (3.1L) Chevrolet	1994-1996	37
Corvair	145 CID (2.4L) Chevrolet Corvair	1962-1963	35	Cutlass Ciera	204 CID (3.3L) LG7 Buick	1989-1993	43
Corvair	164 CID (2.7L) Chevrolet Corvair	1963-1969	35	Cutlass Ciera	231 CID (3.8L) Fuel Injected Buick	1984-1988	51
Corvair	164 CID (2.7L) Chevrolet Corvair	1963-1966	35	Cutlass Ciera	260 CID (4.3L) Oldsmobile	1982-1985	56
Corvette	235 CID (3.9L) Corvette Chevrolet	1953-1955	53	Cutlass Salon	231 CID (3.8L) Carbureted Buick	1978-1980	50
Corvette	265 CID (4.3L) Chevrolet	1955-1956	70	Cutlass Salon	260 CID (4.3L) LV8 Oldsmobile	1975-1980	67
Corvette	283 CID (4.6L) Chevrolet	1957-1961	72	Cutlass Salon	260 CID (4.3L) LF7 Oldsmobile Diesel	1979	66
Corvette	305 CID (5.0L) Chevrolet	1979-1981	68	Cutlass Salon	305 CID (5.0L) Chevrolet	1978-1980	68
Corvette	327 CID (5.4L) Chevrolet	1962-1968	81	Cutlass Salon	350 CID (5.7L) Oldsmobile	1975-1977	67
Corvette	346 CID (5.7L) LS1 Chevrolet	1997-2004	74	Cutlass Salon	350 CID (5.7L) Oldsmobile Diesel	1980	66
Corvette	346 CID (5.7L) LS6 Chevrolet	2001-2004	74	Cutlass Salon	403 CID (6.6L) L80 Oldsmobile	1977	102
Corvette	350 CID (5.7L) Carbureted Chevrolet	1969-1980	68	Cutlass Salon	455 CID (7.5L) Oldsmobile	1975	99
Corvette	350 CID (5.7L) Fuel Injected Chevrolet	1982-1996	68	Cutlass Supreme	138 CID (2.3L) DOHC Oldsmobile	1990-1991	28
Corvette	396 CID (6.6L) Chevrolet	1965	90	Cutlass Supreme	173 CID (2.8L) Chevrolet	1988-1989	36
Corvette	427 CID (7.0L) Chevrolet	1966-1969	90	Cutlass Supreme	189 CID (3.1L) Chevrolet	1989-1997	37
Corvette	454 CID (7.4L) Chevrolet	1970-1975	101	Cutlass Supreme	207 CID (3.4L) LQ1 DOHC Chevrolet	1991-1995	44
Coupe DeVille	350 CID (5.7L) Oldsmobile Diesel	1978-1979	66	Cutlass Supreme	231 CID (3.8L) Carbureted Buick	1977-1987	50
Coupe DeVille	425 CID (7.0L) Cadillac	1978-1979	91	Cutlass Supreme	250 CID (4.1L) Chevrolet	1975	54
Custom Cruiser	305 CID (5.0L) Chevrolet	1991-1992	68	Cutlass Supreme	260 CID (4.3L) LV8 Oldsmobile	1976-1981	67
Custom Cruiser	307 CID (5.0L) Oldsmobile	1980-1990	78	Cutlass Supreme	260 CID (4.3L) LF7 Oldsmobile Diesel	1979	66
Custom Cruiser	350 CID (5.7L) Oldsmobile	1977-1980	67	Cutlass Supreme	260 CID (4.3L) Oldsmobile Diesel	1982-1984	56
Custom Cruiser	350 CID (5.7L) Oldsmobile Diesel	1978-1985	66	Cutlass Supreme	305 CID (5.0L) Chevrolet	1978-1980	68
Custom Cruiser	350 CID (5.7L) Fuel Injected Chevrolet	1992	68	Cutlass Supreme	307 CID (5.0L) Oldsmobile	1982-1988	78
Custom Cruiser	403 CID (6.6L) L80 Oldsmobile	1977-1979	102	Cutlass Supreme	330 CID (5.4L) OHV Oldsmobile	1964-1967	82
Custom Cruiser	455 CID (7.5L) Oldsmobile	1971-1976	99	Cutlass Supreme	350 CID (5.7L) Oldsmobile	1968-1977	67
Custom Star Chief	389 CID (6.4L) Pontiac	1959-1960	95	Cutlass Supreme	350 CID (5.7L) Oldsmobile Diesel	1980-1985	66
Cutlass	134 CID (2.2L) OHV Chevrolet	1993	25	Cutlass Supreme	400 CID (6.6L) Oldsmobile	1967	99
Cutlass	151 CID (2.5L) Fuel Injected Pontiac	1987-1992	32	Cutlass Supreme	400 CID (6.6L) Oldsmobile	1968	99
Cutlass	173 CID (2.8L) Chevrolet	1987-1989	36	Cutlass Supreme	403 CID (6.6L) L80 Oldsmobile	1977	102
Cutlass	189 CID (3.1L) Chevrolet	1994-1999	37	Cutlass Supreme	455 CID (7.5L) Oldsmobile	1970-1976	99
Cutlass	204 CID (3.3L) LG7 Buick	1989-1993	43	Cutlass Supreme	351 CID (5.8L) D General Motors Diesel	1964-1966	61
Cutlass	231 CID (3.8L) Carbureted Buick	1977-1984	50	Cutlass Supreme	478 CID (7.8L) General Motors Diesel	1964-1966	61
Cutlass	231 CID (3.8L) Fuel Injected Buick	1987-1988	51	Cutlass Supreme	478 CID (7.8L) General Motors Diesel	1964-1965	61
Cutlass	250 CID (4.1L) Chevrolet	1967-1976	54	Cutlass Supreme	478 CID (7.8L) General Motors Diesel	1964-1965	61
Cutlass	260 CID (4.3L) LV8 Oldsmobile	1975-1980	67	Cutlass Supreme	478 CID (7.8L) General Motors Diesel	1964-1965	61
Cutlass	260 CID (4.3L) LF7 Oldsmobile Diesel	1979	66	Cutlass Supreme	478 CID (7.8L) General Motors Diesel	1964-1965	61
Cutlass	260 CID (4.3L) Oldsmobile Diesel	1982-1984	56	Cutlass Supreme	478 CID (7.8L) General Motors Diesel	1964-1965	61
Cutlass	267 CID (4.4L) L39 Chevrolet	1979-1981	68	Cutlass Supreme	478 CID (7.8L) General Motors Diesel	1964-1965	61
Cutlass	305 CID (5.0L) Chevrolet	1978-1983	68	Cutlass Supreme	478 CID (7.8L) General Motors Diesel	1964-1965	61
Cutlass	307 CID (5.0L) Oldsmobile	1980-1984	78	Cutlass Supreme	478 CID (7.8L) General Motors Diesel	1964-1965	61
Cutlass	330 CID (5.4L) OHV Oldsmobile	1967	82	Cutlass Supreme	478 CID (7.8L) General Motors Diesel	1964-1965	61
Cutlass	350 CID (5.7L) Oldsmobile	1968-1980	67	Cutlass Supreme	478 CID (7.8L) General Motors Diesel	1964-1965	61
Cutlass	350 CID (5.7L) Carbureted Chevrolet	1978-1979	68	Cutlass Supreme	478 CID (7.8L) General Motors Diesel	1964-1965	61
Cutlass	350 CID (5.7L) Oldsmobile Diesel	1978-1984	66	Cutlass Supreme	637 CID (10.4L) OHV General Motors	1966-1968	107
Cutlass	403 CID (6.6L) L80 Oldsmobile	1977	102				
Cutlass	455 CID (7.5L) Oldsmobile	1970-1976	99				

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
DJ9500	637 CID (10.4L) D General Motors Diesel	1966-1967	107	Deluxe	216 CID (3.5L) Chevrolet	1949-1952	46
DLA4000	478 CID (7.8L) General Motors Diesel	1964-1969	61	Deluxe	235 CID (3.9L) Chevrolet	1950-1952	53
DLAH5000	478 CID (7.8L) General Motors Diesel	1964-1965	61	Deluxe 210	235 CID (3.9L) Chevrolet	1953-1957	53
DLV4000	478 CID (7.8L) General Motors Diesel	1964-1969	61	Deluxe 210	265 CID (4.3L) Chevrolet	1955-1957	70
DLVH5000	478 CID (7.8L) General Motors Diesel	1964-1965	61	Deluxe 210	283 CID (4.6L) Chevrolet	1957	72
DP	216 CID (3.5L) Chevrolet	1946	46	Dynamic 88	371 CID (6.1L) Oldsmobile	1958-1960	93
DR	216 CID (3.5L) Chevrolet	1946	46	Dynamic 88	394 CID (6.5L) Oldsmobile	1961-1964	93
DS4000	478 CID (7.8L) General Motors Diesel	1965-1966	61	Dynamic 88	425 CID (7.0L) Oldsmobile	1965-1966	99
DS	216 CID (3.5L) Chevrolet	1946	46	EC470	270 CID (4.4L) OHV General Motors	1947-1950	59
DSPA5000	478 CID (7.8L) General Motors Diesel	1964-1965	61	EF470	270 CID (4.4L) OHV General Motors	1947-1950	59
DSPV5000	478 CID (7.8L) General Motors Diesel	1964-1965	61	EG4600	351 CID (5.8L) D General Motors Diesel	1967	61
DV4000	478 CID (7.8L) General Motors Diesel	1964-1966	61	EG4700	351 CID (5.8L) D General Motors Diesel	1967	61
DWA5000	478 CID (7.8L) General Motors Diesel	1964-1965	61	EG5500	478 CID (7.8L) General Motors Diesel	1967-1969	61
DWV5000	478 CID (7.8L) General Motors Diesel	1964-1965	61	EG6500	478 CID (7.8L) General Motors Diesel	1967-1969	61
DeVille	252 CID (4.1L) LC4 Buick	1980-1983	40	EM4500	305 CID (5.0L) General Motors	1967-1969	61
DeVille	252 CID (4.1L) Cadillac	1982-1987	65	EM5500	305 CID (5.0L) General Motors	1967-1969	61
DeVille	260 CID (4.3L) Oldsmobile Diesel	1985	56	EM5500	351 CID (5.8L) General Motors	1967-1969	61
DeVille	273 CID (4.5L) Cadillac	1988-1989	65	EM6500	305 CID (5.0L) General Motors	1967-1969	61
DeVille	281 CID (4.6L) Cadillac	1993-2005	64	EM6500	351 CID (5.8L) General Motors	1967-1969	61
DeVille	300 CID (4.9L) L26 Cadillac	1991-1995	65	ES4500	292 CID (4.8L) Chevrolet	1967-1969	60
DeVille	350 CID (5.7L) Oldsmobile Diesel	1980-1985	66	ES5500	292 CID (4.8L) Chevrolet	1967-1969	60
DeVille	368 CID (6.0L) Cadillac	1980-1981	91	ES6500	292 CID (4.8L) Chevrolet	1967-1968	60
DeVille	425 CID (7.0L) Cadillac	1977	91	Eighty Eight	303 CID (5.0L) Rocket V8 Oldsmobile	1949-1953	77
DeVille	500 CID (8.2L) Cadillac	1976	91	Eighty Eight	324 CID (5.3L) Rocket V8 Oldsmobile	1954-1956	77
Del Ray	235 CID (3.9L) Chevrolet	1958	53	El Camino	194 CID (3.2L) Chevrolet	1964-1966	39
Del Ray	283 CID (4.6L) Chevrolet	1958	72	El Camino	200 CID (3.3L) L26 Chevrolet	1978-1979	42
Del Ray	348 CID (5.7L) Chevrolet	1958	85	El Camino	229 CID (3.8L) LC3 Chevrolet	1980-1984	42
Delmont Eighty-Eight	350 CID (5.7L) Oldsmobile	1968	67	El Camino	230 CID (3.8L) Chevrolet	1964-1969	39
Delmont Eighty-Eight	455 CID (7.5L) Oldsmobile	1968	99	El Camino	231 CID (3.8L) Carbureted Buick	1978-1984	50
Delmont Eighty-Eight '330'	330 CID (5.4L) OHV Oldsmobile	1967	82	El Camino	235 CID (3.9L) Chevrolet	1959-1960	53
Delmont Eighty-Eight '425'	425 CID (7.0L) Oldsmobile	1967	99	El Camino	250 CID (4.1L) Chevrolet	1970-1977	54
Delta 88	231 CID (3.8L) Carbureted Buick	1977-1983	50	El Camino	260 CID (4.3L) Oldsmobile Diesel	1982-1983	56
Delta 88	260 CID (4.3L) LV8 Oldsmobile	1977-1979	67	El Camino	262 CID (4.3L) Chevrolet	1985-1987	58
Delta 88	265 CID (4.3L) LS5 Pontiac	1980	71	El Camino	267 CID (4.4L) L39 Chevrolet	1979-1982	68
Delta 88	301 CID (4.9L) Pontiac	1979	71	El Camino	283 CID (4.6L) Chevrolet	1959-1967	72
Delta 88	307 CID (5.0L) Oldsmobile	1980-1983	78	El Camino	305 CID (5.0L) Chevrolet	1976-1987	68
Delta 88	350 CID (5.7L) Oldsmobile	1969-1979	67	El Camino	307 CID (5.0L) Chevrolet	1968-1973	68
Delta 88	350 CID (5.7L) Oldsmobile Diesel	1978-1983	66	El Camino	327 CID (5.4L) Chevrolet	1965-1968	81
Delta 88	403 CID (6.6L) L80 Oldsmobile	1977-1978	102	El Camino	350 CID (5.7L) Carbureted Chevrolet	1970-1981	68
Delta 88	425 CID (7.0L) Oldsmobile	1965-1967	99	El Camino	350 CID (5.7L) Oldsmobile Diesel	1982-1984	66
Delta 88	455 CID (7.5L) Oldsmobile	1968-1976	99	El Camino	396 CID (6.6L) Chevrolet	1965-1971	90
Delta 88 Royale	181 CID (3.0L) Buick	1985-1988	38	El Camino	400 CID (6.6L) Chevrolet	1974-1976	98
Delta 88 Royale	231 CID (3.8L) Carbureted Buick	1977-1987	50	El Camino	402 CID (6.6L) Chevrolet	1970-1972	101
Delta 88 Royale	231 CID (3.8L) Fuel Injected Buick	1986-1988	51	El Camino	454 CID (7.4L) Chevrolet	1970-1975	101
Delta 88 Royale	260 CID (4.3L) LV8 Oldsmobile	1977-1979	67	Eldorado	252 CID (4.1L) LC4 Buick	1981-1983	40
Delta 88 Royale	265 CID (4.3L) LS5 Pontiac	1980	71	Eldorado	252 CID (4.1L) Cadillac	1982-1987	65
Delta 88 Royale	301 CID (4.9L) Pontiac	1979	71	Eldorado	273 CID (4.5L) Cadillac	1988-1989	65
Delta 88 Royale	307 CID (5.0L) Oldsmobile	1980-1985	78	Eldorado	281 CID (4.6L) Cadillac	1993-2002	64
Delta 88 Royale	350 CID (5.7L) Oldsmobile	1970-1980	67	Eldorado	300 CID (4.9L) L26 Cadillac	1991-1993	65
Delta 88 Royale	350 CID (5.7L) Oldsmobile Diesel	1978-1985	66	Eldorado	305 CID (5.0L) Chevrolet	1984	68
Delta 88 Royale	403 CID (6.6L) L80 Oldsmobile	1977-1978	102	Eldorado	350 CID (5.7L) Oldsmobile	1979	67
Delta 88 Royale	455 CID (7.5L) Oldsmobile	1969-1976	99	Eldorado	350 CID (5.7L) Oldsmobile Diesel	1979-1985	66
				Eldorado	368 CID (6.0L) Cadillac	1980-1981	91
				Eldorado	425 CID (7.0L) Cadillac	1977-1978	91
				Eldorado	429 CID (7.0L) Cadillac	1967	105
				Eldorado	472 CID (7.7L) Cadillac	1968-1969	91
				Eldorado	500 CID (8.2L) Cadillac	1970-1976	91

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Eldorado Special	331 CID (5.4L) OHV Cadillac	1953-1954	83	Express 2500	325 CID (5.3L) Vortec 5300	2003-2005	74
Eldorado Special	365 CID (6.0L) Cadillac	1956-1957	88		Chevrolet		
Eldorado Special	390 CID (6.4L) Cadillac	1959-1963	96	Express 2500	350 CID (5.7L) Fuel Injected	1996-2002	68
Eldorado Special	429 CID (7.0L) Cadillac	1964	105		Chevrolet		
Electra	181 CID (3.0L) Buick	1982-1985	38	Express 2500	365 CID (6.0L) Vortec 6000	2003-2005	89
Electra	231 CID (3.8L) Carbureted Buick	1979	50		Chevrolet		
Electra	231 CID (3.8L) Fuel Injected	1985-1990	51	Express 2500	365 CID (6.0L) Vortec 6000 LQ4	2003-2005	89
	Buick				(KL6) Chevrolet		
Electra	252 CID (4.1L) LC4 Buick	1980-1984	40	Express 2500	365 CID (6.0L) Vortec 6000 LQ4	2003-2005	89
Electra	260 CID (4.3L) Oldsmobile	1985	56		(KL8) Chevrolet		
	Diesel			Express 2500	395 CID/6468CC (6.5L)	1996-2002	94
					Chevrolet Diesel		
Electra	307 CID (5.0L) Oldsmobile	1980-1984	78	Express 2500 EXT	262 CID (4.3L) Vortec 4300	1996-2005	58
Electra	350 CID (5.7L) Oldsmobile	1977-1980	67		Chevrolet		
Electra	350 CID (5.7L) Buick	1976-1980	86	Express 2500 EXT	294 CID (4.8L) Vortec 4800 LR4	2003-2005	74
Electra	350 CID (5.7L) Oldsmobile	1980-1984	66		Chevrolet		
	Diesel			Express 2500 EXT	305 CID (5.0L) Chevrolet	1996-2002	68
Electra	400 CID (6.6L) Pontiac	1978	80	Express 2500 EXT	325 CID (5.3L) Vortec 5300	2003-2005	74
Electra	403 CID (6.6L) L80 Oldsmobile	1977-1979	102		Chevrolet		
Electra 225	401 CID (6.6L) Buick	1959-1964	100	Express 2500 EXT	350 CID (5.7L) Fuel Injected	1996-2002	68
Electra 225	425 CID (7.0L) Buick	1965	100		Chevrolet		
Electra 225	430 CID (7.0L) Buick	1967-1969	97	Express 2500 EXT	365 CID (6.0L) Vortec 6000	2003-2005	89
Electra 225	455 CID (7.5L) Buick	1970-1976	97		Chevrolet		
Electra Estate Wagon	301 CID (4.9L) Pontiac	1980	71	Express 2500 EXT	365 CID (6.0L) Vortec 6000 LQ4	2003-2005	89
Electra Estate Wagon	307 CID (5.0L) Oldsmobile	1981-1989	78		(KL6) Chevrolet		
Electra Estate Wagon	350 CID (5.7L) Oldsmobile	1980	67	Express 2500 EXT	365 CID (6.0L) Vortec 6000 LQ4	2003-2005	89
Electra Estate Wagon	350 CID (5.7L) Buick	1980	86		(KL8) Chevrolet		
Electra Estate Wagon	350 CID (5.7L) Oldsmobile	1980-1985	66	Express 2500 EXT	395 CID/6468CC (6.5L)	1996-2002	94
	Diesel				Chevrolet Diesel		
Envoy	254 CID (4.2L) LL8 -Vortec	2002-2005	55	Express 3500	350 CID (5.7L) Fuel Injected	1996-2002	68
	4200,DOHC,24v Chevrolet				Chevrolet		
Envoy	262 CID (4.3L) Vortec 4300	1998-2001	58	Express 3500	365 CID (6.0L) Vortec 6000	2003-2005	89
	Chevrolet				Chevrolet		
Envoy	325 CID (5.3L) Vortec 5300	2004	74	Express 3500	365 CID (6.0L) Vortec 6000 LQ4	2003-2005	89
	Chevrolet				(KL6) Chevrolet		
Envoy XL	254 CID (4.2L) LL8 -Vortec	2003-2005	55	Express 3500	365 CID (6.0L) Vortec 6000 LQ4	2003-2005	89
	4200,DOHC,24v Chevrolet				(KL8) Chevrolet		
Envoy XL	325 CID (5.3L) Vortec 5300	2003-2004	74	Express 3500	395 CID/6468CC (6.5L)	1996-2002	94
	Chevrolet				Chevrolet Diesel		
Envoy XUV	254 CID (4.2L) LL8 -Vortec	2005	55	Express 3500	454 CID (7.4L) Chevrolet	1996-2000	101
	4200,DOHC,24v Chevrolet			Express 3500	496 CID/8135CC (8.1L) Vortec	2001-2002	106
Escalade	325 CID (5.3L) Vortec 5300	2002-2005	74		8100 L18 OHV Chevrolet		
	Chevrolet			Express 3500 EXT	350 CID (5.7L) Fuel Injected	1996-2002	68
Escalade	350 CID (5.7L) Fuel Injected	1999-2000	68		Chevrolet		
	Chevrolet			Express 3500 EXT	365 CID (6.0L) Vortec 6000	2003-2005	89
Escalade	365 CID (6.0L) Vortec 6000	2002-2005	89		Chevrolet		
	Chevrolet			Express 3500 EXT	365 CID (6.0L) Vortec 6000 LQ4	2003-2005	89
Escalade ESV	365 CID (6.0L) Vortec 6000	2003-2005	89		(KL6) Chevrolet		
	Chevrolet			Express 3500 EXT	365 CID (6.0L) Vortec 6000 LQ4	2003-2005	89
Escalade EXT	365 CID (6.0L) Vortec 6000	2002-2005	89		(KL8) Chevrolet		
	Chevrolet			Express 3500 EXT	395 CID/6468CC (6.5L)	1996-2002	94
Estate Wagon	350 CID (5.7L) Oldsmobile	1977-1979	67		Chevrolet Diesel		
Estate Wagon	350 CID (5.7L) Buick	1977-1979	86	Express 3500 EXT	454 CID (7.4L) Chevrolet	1996-2000	101
Estate Wagon	403 CID (6.6L) L80 Oldsmobile	1977-1979	102	F350	270 CID (4.4L) OHV General	1956-1959	59
Estate Wagon	455 CID (7.5L) Buick	1970-1976	97		Motors		
Executive	350 CID (5.7L) Pontiac	1970	80	F350-8	287 CID (4.7L) Pontiac	1955	73
Executive	400 CID (6.6L) Pontiac	1967-1970	80	F350-8	336 CID (5.5L) General Motors	1958-1959	73
Executive	428 CID (7.0L) Pontiac	1967-1969	104	F350-8	347 CID (5.7L) General Motors	1957	73
Executive	455 CID (7.5L) Pontiac	1970	104	F350-24	248 CID (4.1L) General Motors	1954-1955	48
Express 1500	262 CID (4.3L) Vortec 4300	1996-2005	58	F350-27	270 CID (4.4L) OHV General	1951-1955	59
	Chevrolet				Motors		
Express 1500	305 CID (5.0L) Chevrolet	1996-2002	68	F370	270 CID (4.4L) OHV General	1956-1959	59
Express 1500	325 CID (5.3L) Vortec 5300	2003-2005	74		Motors		
	Chevrolet			F370	336 CID (5.5L) General Motors	1958-1959	73
Express 1500	350 CID (5.7L) Fuel Injected	1996-2002	68	F370-8	287 CID (4.7L) Pontiac	1955	73
	Chevrolet			F370-8	336 CID (5.5L) General Motors	1958-1959	73
Express 2500	262 CID (4.3L) Vortec 4300	1996-2002	58	F410-8	287 CID (4.7L) Pontiac	1955	73
	Chevrolet			F410V	270 CID (4.4L) OHV General	1955	59
Express 2500	294 CID (4.8L) Vortec 4800 LR4	2003-2005	74		Motors		
	Chevrolet						
Express 2500	305 CID (5.0L) Chevrolet	1996-2002	68				

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
F450	302 CID (5.0L) OHV General Motors	1955-1959	59	Firebird	350 CID (5.7L) Pontiac	1968-1977	80
F450	336 CID (5.5L) General Motors	1958-1959	73	Firebird	350 CID (5.7L) Carbureted Chevrolet	1978-1979	68
F450-30	302 CID (5.0L) OHV General Motors	1952-1954	59	Firebird	350 CID (5.7L) Fuel Injected Chevrolet	1987-1997	68
F470-30	302 CID (5.0L) OHV General Motors	1952-1954	59	Firebird	400 CID (6.6L) Pontiac	1967-1979	80
F500	302 CID (5.0L) OHV General Motors	1955	59	Firebird	403 CID (6.6L) L80 Oldsmobile	1977-1979	102
F550	324 CID (5.3L) OHV General Motors	1955-1956	79	Firebird	455 CID (7.5L) Pontiac	1971-1975	104
F550	370 CID (6.1L) General Motors	1957-1959	92	Firefly	61 CID (1.0L) LY9 Suzuki	1985-1988	1
F600	324 CID (5.3L) OHV General Motors	1956	79	Firefly	61 CID (1.0L) LP2 Suzuki	1989-1991	1
F600	370 CID (6.1L) General Motors	1957-1959	92	Firefly	79 CID (1.3L) L72 SOHC Suzuki	1995-1997	3
F650	324 CID (5.3L) OHV General Motors	1955	79	Firefly	79 CID (1.3L) LY8 Suzuki	1998-2000	3
F650	370 CID (6.1L) General Motors	1957-1959	92	Firenze	110 CID (1.8L) LH8 OHC Pontiac	1982-1986	12
F85	225 CID (3.7L) Buick	1964-1965	47	Firenze	112 CID (1.8L) L46 Chevrolet	1982	15
F85	250 CID (4.1L) Chevrolet	1966-1970	54	Firenze	121 CID (2.0L) LQ5 Chevrolet	1983-1986	20
F85	330 CID (5.4L) OHV Oldsmobile	1964-1967	82	Firenze	121 CID (2.0L) LR9 Chevrolet	1983-1984	20
F85	350 CID (5.7L) Oldsmobile	1968-1972	67	Firenze	121 CID (2.0L) LL8 Chevrolet	1987-1988	19
F85	400 CID (6.6L) Oldsmobile	1965-1966	99	Firenze	122 CID (2.0L) OHC Pontiac	1987-1988	22
FC300	248 CID (4.1L) General Motors	1947-1950	48	Firenze	173 CID (2.8L) Chevrolet	1985-1987	36
FC350	248 CID (4.1L) General Motors	1947-1950	48	Fleetline	216 CID (3.5L) Chevrolet	1941	46
FC350	270 CID (4.4L) OHV General Motors	1948-1950	59	Fleetmaster	216 CID (3.5L) Chevrolet	1942	46
FC450	270 CID (4.4L) OHV General Motors	1947-1950	59	Fleetwood	252 CID (4.1L) LC4 Buick	1980-1983	40
FCS300	248 CID (4.1L) General Motors	1947-1950	48	Fleetwood	252 CID (4.1L) Cadillac	1982-1987	65
FCS450	270 CID (4.4L) OHV General Motors	1947-1950	59	Fleetwood	260 CID (4.3L) Oldsmobile Diesel	1985	56
FE9500	637 CID (10.4L) OHV General Motors	1966-1967	107	Fleetwood	273 CID (4.5L) Cadillac	1988-1989	65
FF350	248 CID (4.1L) General Motors	1939-1953	48	Fleetwood	300 CID (4.9L) L26 Cadillac	1991-1993	65
FF350	270 CID (4.4L) OHV General Motors	1948-1950	59	Fleetwood	305 CID (5.0L) Chevrolet	1991-1992	68
FF450	270 CID (4.4L) OHV General Motors	1947-1950	59	Fleetwood	307 CID (5.0L) Oldsmobile	1986-1990	78
FJ9500	637 CID (10.4L) D General Motors Diesel	1966-1969	107	Fleetwood	350 CID (5.7L) Oldsmobile Diesel	1979-1985	66
FM550	324 CID (5.3L) OHV General Motors	1955	79	Fleetwood	350 CID (5.7L) Fuel Injected Chevrolet	1990-1996	68
FM650	324 CID (5.3L) OHV General Motors	1955	79	Fleetwood	368 CID (6.0L) Cadillac	1980-1981	91
FMW550	370 CID (6.1L) General Motors	1957-1959	92	Fleetwood	425 CID (7.0L) Cadillac	1977-1979	91
FW550	370 CID (6.1L) General Motors	1957-1959	92	Fleetwood	429 CID (7.0L) Cadillac	1965-1966	105
Fiero	151 CID (2.5L) Fuel Injected Pontiac	1984-1988	32	Fleetwood	500 CID (8.2L) Cadillac	1976	91
Fiero	173 CID (2.8L) Chevrolet	1985-1988	36	Fleetwood 75	331 CID (5.4L) OHV Cadillac	1949-1955	83
Firebird	151 CID (2.5L) Carbureted Pontiac	1982-1983	31	Fleetwood 75	365 CID (6.0L) Cadillac	1956-1958	88
Firebird	151 CID (2.5L) Fuel Injected Pontiac	1982-1986	32	Fleetwood 75	368 CID (6.0L) Cadillac	1980-1983	91
Firebird	173 CID (2.8L) Chevrolet	1982-1989	36	Fleetwood 75	390 CID (6.4L) Cadillac	1959-1963	96
Firebird	189 CID (3.1L) Chevrolet	1990-1992	37	Fleetwood 75	425 CID (7.0L) Cadillac	1977-1979	91
Firebird	207 CID (3.4L) L32 Chevrolet	1993-1995	37	Fleetwood 75	429 CID (7.0L) Cadillac	1964-1967	105
Firebird	230 CID (3.8L) OHC Pontiac	1967	49	Fleetwood 75	472 CID (7.7L) Cadillac	1968-1974	91
Firebird	231 CID (3.8L) Carbureted Buick	1977-1981	50	Fleetwood 75	500 CID (8.2L) Cadillac	1975	91
Firebird	231 CID (3.8L) Turbo Buick	1988-1989	38	Fleetwood Special	331 CID (5.4L) OHV Cadillac	1949-1955	83
Firebird	231 CID (3.8L) Fuel Injected Buick	1995-2002	51	Fleetwood Special	365 CID (6.0L) Cadillac	1956-1958	88
Firebird	250 CID (4.1L) Chevrolet	1971-1976	54	Fleetwood Special	390 CID (6.4L) Cadillac	1959-1963	96
Firebird	250 CID (4.1L) OHC Pontiac	1968-1969	49	Fleetwood Special	429 CID (7.0L) Cadillac	1964-1967	105
Firebird	265 CID (4.3L) LS5 Pontiac	1980-1981	71	Fleetwood Special	472 CID (7.7L) Cadillac	1968-1974	91
Firebird	301 CID (4.9L) Pontiac	1977-1981	71	Fleetwood Special	500 CID (8.2L) Cadillac	1975	91
Firebird	301 CID (4.9L) Pontiac	1980-1981	71	G10	153 CID (2.5L) Chevrolet	1964-1965	33
Firebird	305 CID (5.0L) Chevrolet	1977-1992	68	G10	194 CID (3.2L) Chevrolet	1964-1966	39
Firebird	326 CID (5.3L) Pontiac	1967	80	G10	230 CID (3.8L) Chevrolet	1964-1969	39
Firebird	346 CID (5.7L) LS1 Chevrolet	1998-2002	74	G10	250 CID (4.1L) Chevrolet	1966-1984	54
Firebird	350 CID (5.7L) Oldsmobile	1977	67	G10	262 CID (4.3L) Chevrolet	1985-1995	58
				G10	283 CID (4.6L) Chevrolet	1964-1967	72
				G10	305 CID (5.0L) Chevrolet	1977-1995	68
				G10	307 CID (5.0L) Chevrolet	1968-1972	68
				G10	350 CID (5.7L) Carbureted Chevrolet	1969-1986	68
				G10	350 CID (5.7L) Fuel Injected Chevrolet	1987-1995	68
				G20	230 CID (3.8L) Chevrolet	1967-1969	39
				G20	250 CID (4.1L) Chevrolet	1967-1984	54
				G20	262 CID (4.3L) Chevrolet	1985-1995	58
				G20	283 CID (4.6L) Chevrolet	1967	72
				G20	292 CID (4.8L) Chevrolet	1973-1989	60

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)							
Model	Engine	Years	Block	Model	Engine	Years	Block
G20	305 CID (5.0L) Chevrolet	1977-1995	68	G2500	305 CID (5.0L) Chevrolet	1978-1999	68
G20	307 CID (5.0L) Chevrolet	1968-1972	68				
G20	350 CID (5.7L) Carbureted Chevrolet	1969-1988	68	G2500	307 CID (5.0L) Chevrolet	1968-1971	68
G20	350 CID (5.7L) Fuel Injected Chevrolet	1987-1995	68	G2500	350 CID (5.7L) Carbureted Chevrolet	1971-1988	68
G20	379 CID (6.2L) Chevrolet Diesel	1982-1993	94	G2500	350 CID (5.7L) Fuel Injected Chevrolet	1987-1999	68
G20	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	94	G2500	379 CID (6.2L) Chevrolet Diesel	1983-1993	94
G20	400 CID (6.6L) Chevrolet	1975-1980	98				
G30	250 CID (4.1L) Chevrolet	1971-1984	54	G2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-1999	94
G30	262 CID (4.3L) Chevrolet	1985-1996	58	G2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	94
G30	292 CID (4.8L) Chevrolet	1973-1989	60	G2500	400 CID (6.6L) Chevrolet	1975-1980	98
G30	305 CID (5.0L) Chevrolet	1981-1995	68				
G30	350 CID (5.7L) Carbureted Chevrolet	1971-1988	68	G3500	350 CID (5.7L) Fuel Injected Chevrolet	1996-1999	68
G30	350 CID (5.7L) Fuel Injected Chevrolet	1987-1996	68	G3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-1999	94
G30	350 CID (5.7L) KL5 Chevrolet	1995-1996	68	G3500	454 CID (7.4L) Chevrolet	1996-1999	101
G30	379 CID (6.2L) Chevrolet Diesel	1982-1993	94	G3500	250 CID (4.1L) Chevrolet	1971-1984	54
G30	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1996	94				
G30	400 CID (6.6L) Chevrolet	1975-1980	98	G3500	262 CID (4.3L) Chevrolet	1985-1995	58
G30	454 CID (7.4L) Chevrolet	1987-1996	101	G3500	292 CID (4.8L) Chevrolet	1975-1978	60
G1000	153 CID (2.5L) Chevrolet	1964-1965	33				
G1000	194 CID (3.2L) Chevrolet	1966	39	G3500	305 CID (5.0L) Chevrolet	1985-1991	68
G1000	230 CID (3.8L) Chevrolet	1964-1966	39	G3500	307 CID (5.0L) Chevrolet	1971	68
G1500	262 CID (4.3L) Vortec 4300 Chevrolet	1996-1999	58	G3500	350 CID (5.7L) Carbureted Chevrolet	1971-1988	68
G1500	305 CID (5.0L) Chevrolet	1996-1999	68	G3500	350 CID (5.7L) Fuel Injected Chevrolet	1987-1999	68
G1500	350 CID (5.7L) Fuel Injected Chevrolet	1996-1999	68	G3500	350 CID (5.7L) KL5 Chevrolet	1995-1996	68
G1500	230 CID (3.8L) Chevrolet	1967-1970	39	G3500	379 CID (6.2L) Chevrolet Diesel	1983-1993	94
G1500	250 CID (4.1L) Chevrolet	1971-1984	54				
G1500	262 CID (4.3L) Chevrolet	1985-1995	58	G3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-1999	94
G1500	262 CID (4.3L) Vortec 4300 Chevrolet	1996-1999	58	G3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	94
G1500	283 CID (4.6L) Chevrolet	1967	72	G3500	400 CID (6.6L) Chevrolet	1975-1979	98
G1500	292 CID (4.8L) Chevrolet	1970	60	G3500	454 CID (7.4L) Chevrolet	1988-1999	101
G1500	305 CID (5.0L) Chevrolet	1977-1999	68				
G1500	307 CID (5.0L) Chevrolet	1968-1972	68	GC	216 CID (3.5L) Chevrolet	1937	46
G1500	350 CID (5.7L) Carbureted Chevrolet	1972-1986	68	GTO	346 CID (5.7L) LS1 Chevrolet	2004	74
G1500	350 CID (5.7L) Fuel Injected Chevrolet	1987-1999	68	GTO	400 CID (6.6L) Pontiac	1967-1970	80
G2500	262 CID (4.3L) Vortec 4300 Chevrolet	1996-1999	58	GTO	455 CID (7.5L) Pontiac	1970	104
G2500	305 CID (5.0L) Chevrolet	1996-1999	68	Golden Rocket 88	371 CID (6.1L) Oldsmobile	1957	93
G2500	350 CID (5.7L) Fuel Injected Chevrolet	1996-1999	68	Gran Sport	350 CID (5.7L) Buick	1970-1971	86
				Gran Sport 455	455 CID (7.5L) Buick	1970-1972	97
G2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-1999	94	Grand Am	122 CID (2.0L) OHC Turbo Pontiac	1987-1989	22
G2500	230 CID (3.8L) Chevrolet	1967-1970	39	Grand Am	134 CID (2.2L) L61 DOHC General Motors	2002-2004	23
G2500	250 CID (4.1L) Chevrolet	1973-1984	54	Grand Am	138 CID (2.3L) DOHC Oldsmobile	1988-1995	28
G2500	262 CID (4.3L) Chevrolet	1985-1995	58	Grand Am	138 CID (2.3L) L40 SOHC Oldsmobile	1992-1994	29
G2500	262 CID (4.3L) Vortec 4300 Chevrolet	1996-1999	58	Grand Am	146 CID (2.4L) LD9 DOHC Oldsmobile	1996-2001	30
G2500	283 CID (4.6L) Chevrolet	1967	72	Grand Am	151 CID (2.5L) Fuel Injected Pontiac	1985-1991	32
G2500	292 CID (4.8L) Chevrolet	1970-1978	60	Grand Am	181 CID (3.0L) Buick	1985-1987	38
				Grand Am	189 CID (3.1L) Chevrolet	1994-1998	37
				Grand Am	204 CID (3.3L) LG7 Buick	1992-1993	43
				Grand Am	207 CID (3.4L) LA1 Chevrolet	1999-2005	37
				Grand Am	231 CID (3.8L) Carbureted Buick	1979	50

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Grand Am	301 CID (4.9L) Pontiac	1978-1980	71	HM7500	401 CID (6.6L) General Motors	1966-1972	61
Grand Am	305 CID (5.0L) Chevrolet	1978-1980	68	HM7500	432 CID (7.1L) General Motors	1973-1974	62
Grand Am	400 CID (6.6L) Pontiac	1973	80	HM7500	478 CID (7.8L) General Motors	1970-1974	61
Grand Am	455 CID (7.5L) Pontiac	1973-1974	104	HM8500	351 CID (5.8L) General Motors	1966-1969	61
Grand Prix	138 CID (2.3L) DOHC Oldsmobile	1990-1991	28	HM8500	401 CID (6.6L) General Motors	1966-1969	61
Grand Prix	173 CID (2.8L) Chevrolet	1988-1989	36	HM8500	432 CID (7.1L) General Motors	1973-1974	62
Grand Prix	189 CID (3.1L) Chevrolet	1989-2003	37	HM8500	478 CID (7.8L) General Motors	1965-1969	61
Grand Prix	189 CID (3.1L) Chevrolet	1989-1990	37	HU	235 CID (3.9L) Chevrolet	1950	53
Grand Prix	207 CID (3.4L) LQ1 DOHC Chevrolet	1991-1996	44	I4000	292 CID (4.8L) Chevrolet	1966	60
Grand Prix	231 CID (3.8L) Carbureted Buick	1978-1987	50	Impala	207 CID (3.4L) LA1 Chevrolet	2000-2005	37
Grand Prix	231 CID (3.8L) Fuel Injected Buick	1997-2005	51	Impala	229 CID (3.8L) LC3 Chevrolet	1980-1984	42
Grand Prix	231 CID (3.8L) Supercharged Buick	1997-2005	52	Impala	230 CID (3.8L) Chevrolet	1964-1965	39
Grand Prix	252 CID (4.1L) LC4 Buick	1982	40	Impala	231 CID (3.8L) Carbureted Buick	1978-1985	50
Grand Prix	262 CID (4.3L) Chevrolet	1986-1987	58	Impala	231 CID (3.8L) Fuel Injected Buick	2000-2005	51
Grand Prix	265 CID (4.3L) LS5 Pontiac	1980-1981	71	Impala	231 CID (3.8L) Supercharged Buick	2004-2005	52
Grand Prix	301 CID (4.9L) Pontiac	1977-1980	71	Impala	235 CID (3.9L) Chevrolet	1958-1963	53
Grand Prix	305 CID (5.0L) Chevrolet	1978-1987	68	Impala	250 CID (4.1L) Chevrolet	1965-1979	54
Grand Prix	350 CID (5.7L) Oldsmobile	1977	67	Impala	262 CID (4.3L) Chevrolet	1985	58
Grand Prix	350 CID (5.7L) Pontiac	1976-1977	80	Impala	267 CID (4.4L) L39 Chevrolet	1979-1982	68
Grand Prix	350 CID (5.7L) Oldsmobile Diesel	1981-1984	66	Impala	283 CID (4.6L) Chevrolet	1958-1967	72
Grand Prix	389 CID (6.4L) Pontiac	1962-1966	95	Impala	305 CID (5.0L) Chevrolet	1977-1985	68
Grand Prix	400 CID (6.6L) Pontiac	1967-1976	80	Impala	307 CID (5.0L) Chevrolet	1968	68
Grand Prix	400 CID (6.6L) Chevrolet	1976	98	Impala	327 CID (5.4L) Chevrolet	1962-1968	81
Grand Prix	403 CID (6.6L) L80 Oldsmobile	1977	102	Impala	348 CID (5.7L) Chevrolet	1958-1961	85
Grand Prix	421 CID (6.9L) Pontiac	1963-1965	104	Impala	350 CID (5.7L) Carbureted Chevrolet	1969-1985	68
Grand Prix	428 CID (7.0L) Pontiac	1967-1969	104	Impala	350 CID (5.7L) Oldsmobile Diesel	1978-1985	66
Grand Prix	455 CID (7.5L) Pontiac	1970-1975	104	Impala	350 CID (5.7L) Fuel Injected Chevrolet	1994-1996	68
Grandville	400 CID (6.6L) Pontiac	1975	80	Impala	396 CID (6.6L) Chevrolet	1965-1968	90
Grandville	455 CID (7.5L) Pontiac	1971-1974	104	Impala	400 CID (6.6L) Chevrolet	1970-1976	98
H4000	305 CID (5.0L) General Motors	1966	61	Impala	402 CID (6.6L) Chevrolet	1970-1972	101
H4000	351 CID (5.8L) General Motors	1963-1966	61	Impala	409 CID (6.7L) Chevrolet	1961-1965	85
H5000	401 CID (6.6L) General Motors	1961-1965	61	Impala	427 CID (7.0L) Chevrolet	1966-1969	90
HC470	270 CID (4.4L) OHV General Motors	1948-1950	59	Impala	454 CID (7.4L) Chevrolet	1970-1975	101
HC	216 CID (3.5L) Chevrolet	1938	46	Intrigue	212 CID (3.5L) LX5 Oldsmobile	1999-2002	45
HE70	427 CID (7.0L) Chevrolet	1973-1978	90	Intrigue	231 CID (3.8L) Fuel Injected Buick	1998-1999	51
HE75	427 CID (7.0L) Chevrolet	1975-1978	90	Invicta	401 CID (6.6L) Buick	1959-1963	100
HE80	427 CID (7.0L) Chevrolet	1973-1978	90	Ion	134 CID (2.2L) L61 DOHC General Motors	2003-2005	23
HE90	637 CID (10.4L) OHV General Motors	1970-1972	107	Ion Quad	134 CID (2.2L) L61 DOHC General Motors	2003-2005	23
HE9500	637 CID (10.4L) OHV General Motors	1966-1972	107	J8C042	427 CID (7.0L) Chevrolet	1979-1982	90
HG70	478 CID (7.8L) General Motors Diesel	1966-1968	61	J8C064	427 CID (7.0L) Chevrolet	1979-1982	90
HG5500	478 CID (7.8L) General Motors Diesel	1965-1967	61	J2000	110 CID (1.8L) LH8 OHC Pontiac	1982-1983	12
HG7500	478 CID (7.8L) General Motors Diesel	1965-1969	61	J2000	112 CID (1.8L) L46 Chevrolet	1982	15
HI4000	292 CID (4.8L) Chevrolet	1966	60	J2000	121 CID (2.0L) LQ5 Chevrolet	1983	20
HJ70	637 CID (10.4L) D General Motors Diesel	1966-1968	107	JC	216 CID (3.5L) Chevrolet	1939	46
HJ70	637 CID (10.4L) DH General Motors Diesel	1966-1968	107	JE70	427 CID (7.0L) Chevrolet	1973-1978	90
HJ7500	637 CID (10.4L) D General Motors Diesel	1966-1970	107	JE75	427 CID (7.0L) Chevrolet	1975-1978	90
HJ7500	637 CID (10.4L) DH General Motors Diesel	1971	107	JE80	427 CID (7.0L) Chevrolet	1973-1978	90
HJ9500	637 CID (10.4L) D General Motors Diesel	1966-1969	107	JE90	637 CID (10.4L) OHV General Motors	1971-1972	107
HM75	432 CID (7.1L) General Motors	1973-1974	62	JE9500	637 CID (10.4L) OHV General Motors	1966-1972	107
HM80	432 CID (7.1L) General Motors	1973-1974	62	JG70	478 CID (7.8L) General Motors Diesel	1966-1968	61
HM80	478 CID (7.8L) General Motors	1967-1974	61	JG7500	478 CID (7.8L) General Motors Diesel	1965-1969	61
HM5500	305 CID (5.0L) General Motors	1966-1967	61	JJ70	637 CID (10.4L) D General Motors Diesel	1966-1968	107
HM5500	351 CID (5.8L) General Motors	1966-1969	61	JJ70	637 CID (10.4L) DH General Motors Diesel	1966-1968	107
HM7500	351 CID (5.8L) General Motors	1966-1969	61	JJ7500	637 CID (10.4L) D General Motors Diesel	1966-1970	107

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
JJ7500	637 CID (10.4L) DH General Motors Diesel	1971	107	K20	250 CID (4.1L) Chevrolet	1966-1984	54
JJ9500	637 CID (10.4L) D General Motors Diesel	1966-1969	107	K20	261 CID (4.3L) Chevrolet	1962	57
JM75	432 CID (7.1L) General Motors	1973-1974	62	K20	262 CID (4.3L) Chevrolet	1985-1986	58
JM80	432 CID (7.1L) General Motors	1973-1974	62	K20	283 CID (4.6L) Chevrolet	1960-1967	72
JM80	478 CID (7.8L) General Motors	1967-1974	61	K20	292 CID (4.8L) Chevrolet	1963-1986	60
JM7500	351 CID (5.8L) General Motors	1966-1969	61	K20	305 CID (5.0L) Chevrolet	1977-1986	68
JM7500	401 CID (6.6L) General Motors	1966-1972	61	K20	307 CID (5.0L) Chevrolet	1968-1972	68
JM7500	432 CID (7.1L) General Motors	1973-1974	62	K20	327 CID (5.4L) Chevrolet	1965-1968	81
JM7500	478 CID (7.8L) General Motors	1970-1974	61	K20	350 CID (5.7L) Carbureted Chevrolet	1969-1986	68
JM8500	401 CID (6.6L) General Motors	1966-1970	61	K20	379 CID (6.2L) Chevrolet Diesel	1982-1986	94
JM8500	432 CID (7.1L) General Motors	1973-1974	62	K20	396 CID (6.6L) Chevrolet	1968-1969	90
JM8500	478 CID (7.8L) General Motors	1965-1969	61	K20	400 CID (6.6L) Chevrolet	1975-1980	98
JU	235 CID (3.9L) Chevrolet	1951	53	K20	454 CID (7.4L) Chevrolet	1976-1986	101
Jetstar 1	394 CID (6.5L) Oldsmobile	1964	93	K20 Suburban	250 CID (4.1L) Chevrolet	1967-1984	54
Jetstar 1	425 CID (7.0L) Oldsmobile	1965-1966	99	K20 Suburban	262 CID (4.3L) Chevrolet	1985-1986	58
Jetstar 88	330 CID (5.4L) OHV Oldsmobile	1964-1966	82	K20 Suburban	283 CID (4.6L) Chevrolet	1967	72
Jimmy	250 CID (4.1L) Chevrolet	1971-1982	54	K20 Suburban	292 CID (4.8L) Chevrolet	1967-1986	60
Jimmy	262 CID (4.3L) Chevrolet	1985-1986	58	K20 Suburban	305 CID (5.0L) Chevrolet	1977-1986	68
Jimmy	262 CID (4.3L) Vortec 4300 Chevrolet	1995-2005	58	K20 Suburban	307 CID (5.0L) Chevrolet	1968-1972	68
Jimmy	292 CID (4.8L) Chevrolet	1985	60	K20 Suburban	327 CID (5.4L) Chevrolet	1967-1968	81
Jimmy	305 CID (5.0L) Chevrolet	1977-1986	68	K20 Suburban	350 CID (5.7L) Carbureted Chevrolet	1969-1986	68
Jimmy	307 CID (5.0L) Chevrolet	1971-1972	68	K20 Suburban	379 CID (6.2L) Chevrolet Diesel	1982-1986	94
Jimmy	350 CID (5.7L) Carbureted Chevrolet	1971-1986	68	K20 Suburban	396 CID (6.6L) Chevrolet	1968-1969	90
Jimmy	350 CID (5.7L) Oldsmobile Diesel	1978-1981	66	K20 Suburban	400 CID (6.6L) Chevrolet	1975-1980	98
Jimmy	350 CID (5.7L) Fuel Injected Chevrolet	1987-1991	68	K20 Suburban	454 CID (7.4L) Chevrolet	1976-1986	101
Jimmy	379 CID (6.2L) Chevrolet Diesel	1982-1991	94	K30	292 CID (4.8L) Chevrolet	1977-1986	60
Jimmy	400 CID (6.6L) Chevrolet	1975-1979	98	K30	305 CID (5.0L) Chevrolet	1981-1986	68
Jimmy	454 CID (7.4L) Chevrolet	1973-1982	101	K30	350 CID (5.7L) Carbureted Chevrolet	1977-1986	68
K10	230 CID (3.8L) Chevrolet	1963-1969	39	K30	379 CID (6.2L) Chevrolet Diesel	1982-1986	94
K10	235 CID (3.9L) Chevrolet	1960-1962	53	K1500	400 CID (6.6L) Chevrolet	1977-1980	98
K10	250 CID (4.1L) Chevrolet	1966-1984	54	K1500	454 CID (7.4L) Chevrolet	1977-1986	101
K10	261 CID (4.3L) Chevrolet	1962	57	K1500	262 CID (4.3L) Chevrolet	1988-1995	58
K10	262 CID (4.3L) Chevrolet	1985-1986	58	K1500	262 CID (4.3L) Vortec 4300 Chevrolet	1996-1998	58
K10	283 CID (4.6L) Chevrolet	1960-1967	72	K1500	305 CID (5.0L) Chevrolet	1988-1999	68
K10	292 CID (4.8L) Chevrolet	1963-1986	60	K1500	350 CID (5.7L) Fuel Injected Chevrolet	1988-1999	68
K10	305 CID (5.0L) Chevrolet	1977-1986	68	K1500	379 CID (6.2L) Chevrolet Diesel	1988-1993	94
K10	307 CID (5.0L) Chevrolet	1968-1972	68	K1500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	94
K10	327 CID (5.4L) Chevrolet	1965-1968	81	K1500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	94
K10	350 CID (5.7L) Carbureted Chevrolet	1969-1986	68	K1500	454 CID (7.4L) Chevrolet	1988-1991	101
K10	379 CID (6.2L) Chevrolet Diesel	1982-1986	94	K1500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1992-1999	68
K10	396 CID (6.6L) Chevrolet	1968-1969	90	K1500 Suburban	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	94
K10	400 CID (6.6L) Chevrolet	1975-1980	98	K1500 Suburban	250 CID (4.1L) Chevrolet	1967-1984	54
K10	454 CID (7.4L) Chevrolet	1973-1982	101	K1500 Suburban	262 CID (4.3L) Chevrolet	1985-1986	58
K10 Suburban	230 CID (3.8L) Chevrolet	1963-1969	39	K1500 Suburban	292 CID (4.8L) Chevrolet	1967-1971	60
K10 Suburban	235 CID (3.9L) Chevrolet	1960-1962	53	K1500 Suburban	305 CID (5.0L) General Motors	1967-1969	61
K10 Suburban	250 CID (4.1L) Chevrolet	1966-1984	54	K1500 Suburban	305 CID (5.0L) Chevrolet	1977-1986	68
K10 Suburban	261 CID (4.3L) Chevrolet	1962	57	K1500 Suburban	307 CID (5.0L) Chevrolet	1970-1972	68
K10 Suburban	262 CID (4.3L) Chevrolet	1985-1986	58	K1500 Suburban	350 CID (5.7L) Carbureted Chevrolet	1970-1986	68
K10 Suburban	283 CID (4.6L) Chevrolet	1960-1967	72	K1500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1992-1999	68
K10 Suburban	292 CID (4.8L) Chevrolet	1963-1986	60	K1500 Suburban	379 CID (6.2L) Chevrolet Diesel	1983-1986	94
K10 Suburban	305 CID (5.0L) Chevrolet	1977-1986	68				
K10 Suburban	307 CID (5.0L) Chevrolet	1968-1972	68				
K10 Suburban	327 CID (5.4L) Chevrolet	1965-1968	81				
K10 Suburban	350 CID (5.7L) Carbureted Chevrolet	1967-1986	68				
K10 Suburban	379 CID (6.2L) Chevrolet Diesel	1982-1986	94				
K10 Suburban	396 CID (6.6L) Chevrolet	1968-1969	90				
K10 Suburban	400 CID (6.6L) Chevrolet	1975-1980	98				
K10 Suburban	454 CID (7.4L) Chevrolet	1973-1982	101				
K20	230 CID (3.8L) Chevrolet	1963-1969	39				
K20	235 CID (3.9L) Chevrolet	1960-1962	53				

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
K1500 Suburban	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	94	K2500 Suburban	379 CID (6.2L) Chevrolet Diesel	1983-1986	94
K1500 Suburban	396 CID (6.6L) Chevrolet	1968-1970	90	K2500 Suburban	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-1999	94
K1500 Suburban	400 CID (6.6L) Chevrolet	1975-1979	98	K2500 Suburban	396 CID (6.6L) Chevrolet	1968-1970	90
K1500 Suburban	454 CID (7.4L) Chevrolet	1975-1980	101	K2500 Suburban	400 CID (6.6L) Chevrolet	1975-1980	98
K1500	250 CID (4.1L) Chevrolet	1967-1984	54	K2500 Suburban	454 CID (7.4L) Chevrolet	1979-1999	101
K1500	262 CID (4.3L) Chevrolet	1985-1995	58	K2500	250 CID (4.1L) Chevrolet	1967-1984	54
K1500	262 CID (4.3L) Vortec 4300 Chevrolet	1996-1998	58	K2500	262 CID (4.3L) Chevrolet	1985-1995	58
K1500	292 CID (4.8L) Chevrolet	1967-1971	60	K2500	292 CID (4.8L) Chevrolet	1967-1986	60
K1500	305 CID (5.0L) General Motors	1967-1969	61	K2500	305 CID (5.0L) General Motors	1967-1969	61
K1500	305 CID (5.0L) Chevrolet	1977-1999	68	K2500	305 CID (5.0L) Chevrolet	1977-1995	68
K1500	307 CID (5.0L) Chevrolet	1970-1972	68	K2500	307 CID (5.0L) Chevrolet	1970-1972	68
K1500	350 CID (5.7L) Carbureted Chevrolet	1970-1986	68	K2500	350 CID (5.7L) Carbureted Chevrolet	1970-1986	68
K1500	350 CID (5.7L) Fuel Injected Chevrolet	1988-1999	68	K2500	350 CID (5.7L) Fuel Injected Chevrolet	1988-1999	68
K1500	379 CID (6.2L) Chevrolet Diesel	1982-1993	94	K2500	379 CID (6.2L) Chevrolet Diesel	1983-1986	94
K1500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	94	K2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-1999	94
K1500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	94	K2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	94
K1500	396 CID (6.6L) Chevrolet	1968-1970	90	K2500	396 CID (6.6L) Chevrolet	1968-1970	90
K1500	400 CID (6.6L) Chevrolet	1975-1979	98	K2500	400 CID (6.6L) Chevrolet	1975-1980	98
K1500	454 CID (7.4L) Chevrolet	1975-1991	101	K2500	454 CID (7.4L) Chevrolet	1979-1999	101
K2500	262 CID (4.3L) Chevrolet	1988-1995	58	K3500	262 CID (4.3L) Chevrolet	1988-1991	58
K2500	305 CID (5.0L) Chevrolet	1988-1995	68	K3500	305 CID (5.0L) Chevrolet	1988-1991	68
K2500	350 CID (5.7L) Fuel Injected Chevrolet	1988-2000	68	K3500	350 CID (5.7L) Fuel Injected Chevrolet	1988-2000	68
K2500	350 CID (5.7L) KL5 Chevrolet	1996-2000	68	K3500	350 CID (5.7L) KL5 Chevrolet	1996-2000	68
K2500	379 CID (6.2L) Chevrolet Diesel	1988-1993	94	K3500	379 CID (6.2L) Chevrolet Diesel	1988-1993	94
K2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-2000	94	K3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-2000	94
K2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	94	K3500	454 CID (7.4L) Chevrolet	1988-2000	101
K2500	454 CID (7.4L) Chevrolet	1990-2000	101	K3500	262 CID (4.3L) Chevrolet	1988-1991	58
K2500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1992-1999	68	K3500	292 CID (4.8L) Chevrolet	1977-1986	60
K2500 Suburban	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-1999	94	K3500	305 CID (5.0L) Chevrolet	1985-1991	68
K2500 Suburban	454 CID (7.4L) Chevrolet	1992-1999	101	K3500	350 CID (5.7L) Carbureted Chevrolet	1977-1986	68
K2500 Suburban	250 CID (4.1L) Chevrolet	1967-1984	54	K3500	350 CID (5.7L) Fuel Injected Chevrolet	1988-1999	68
K2500 Suburban	262 CID (4.3L) Chevrolet	1985-1986	58	K3500	379 CID (6.2L) Chevrolet Diesel	1983-1991	94
K2500 Suburban	292 CID (4.8L) Chevrolet	1967-1986	60	K3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-1999	94
K2500 Suburban	305 CID (5.0L) General Motors	1967-1969	61	K3500	400 CID (6.6L) Chevrolet	1977-1980	98
K2500 Suburban	305 CID (5.0L) Chevrolet	1977-1986	68	K3500	454 CID (7.4L) Chevrolet	1979-1999	101
K2500 Suburban	307 CID (5.0L) Chevrolet	1970-1972	68	K4000	351 CID (5.8L) General Motors	1963-1966	61
K2500 Suburban	350 CID (5.7L) Carbureted Chevrolet	1970-1986	68	K	235 CID (3.9L) Chevrolet	1953-1955	53
K2500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1992-1999	68	KC	216 CID (3.5L) Chevrolet	1940	46
				KU	235 CID (3.9L) Chevrolet	1952	53

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
KV4000	305 CID (5.0L) General Motors	1964-1966	61	Le Sabre	340 CID (5.6L) Buick	1966-1967	84
L50	230 CID (3.8L) Chevrolet	1963-1965	39	Le Sabre	350 CID (5.7L) Oldsmobile	1977-1980	67
L50	235 CID (3.9L) Chevrolet	1960-1962	53	Le Sabre	350 CID (5.7L) Buick	1968-1980	86
L60	261 CID (4.3L) Chevrolet	1960-1962	57	Le Sabre	350 CID (5.7L) Carbureted Chevrolet	1978	68
L60	366 CID (6.0L) Chevrolet	1966	90	Le Sabre	350 CID (5.7L) Oldsmobile Diesel	1980-1985	66
L70	348 CID (5.7L) Chevrolet	1960-1961	85	Le Sabre	364 CID (6.0L) Buick	1959-1961	87
L80	348 CID (5.7L) Chevrolet	1960-1965	85	Le Sabre	400 CID (6.6L) Pontiac	1978	80
L80	366 CID (6.0L) Chevrolet	1966	90	Le Sabre	401 CID (6.6L) Buick	1962-1964	100
L80	409 CID (6.7L) Chevrolet	1962-1965	85	Le Sabre	403 CID (6.6L) L80 Oldsmobile	1977-1979	102
L3500	305 CID (5.0L) General Motors	1965-1966	61	Le Sabre	425 CID (7.0L) Buick	1964	100
L4000	305 CID (5.0L) General Motors	1963-1968	61	Le Sabre	455 CID (7.5L) Buick	1970-1976	97
L4000	351 CID (5.8L) General Motors	1963-1966	61	Le Mans	98 CID (1.6L) L73 Daewoo	1988-1993	7
L5000	351 CID (5.8L) General Motors	1963-1965	61	Le Mans	122 CID (2.0L) OHC Pontiac	1989-1990	22
L7000	702 CID (11.5L) OHV General Motors	1960-1965	108	Le Mans	229 CID (3.8L) LC3 Chevrolet	1980	42
L-Series	134 CID (2.2L) L61 DOHC General Motors	2000-2004	23	Le Mans	231 CID (3.8L) Carbureted Buick	1977-1981	50
LA4000	305 CID (5.0L) General Motors	1960-1961	61	Le Mans	250 CID (4.1L) Chevrolet	1970-1976	54
LA5000	351 CID (5.8L) General Motors	1960-1962	61	Le Mans	260 CID (4.3L) LV8 Oldsmobile	1976	67
LA5500	401 CID (6.6L) General Motors	1960-1965	61	Le Mans	265 CID (4.3L) LS5 Pontiac	1980-1981	71
LA6000	401 CID (6.6L) General Motors	1960-1965	61	Le Mans	301 CID (4.9L) Pontiac	1977-1981	71
LA6500	478 CID (7.8L) General Motors	1964-1965	61	Le Mans	305 CID (5.0L) Chevrolet	1978-1981	68
LH4000	305 CID (5.0L) General Motors	1963-1967	61	Le Mans	350 CID (5.7L) Oldsmobile	1977-1979	67
LH4000	351 CID (5.8L) General Motors	1963-1965	61	Le Mans	350 CID (5.7L) Buick	1974-1975	86
LH5000	401 CID (6.6L) General Motors	1963-1965	61	Le Mans	350 CID (5.7L) Pontiac	1970-1977	80
LLV Postal Vehicle	134 CID (2.2L) OHV Chevrolet	1994-1995	25	Le Mans	350 CID (5.7L) Carbureted Chevrolet	1978-1979	68
LLV Postal Vehicle	151 CID (2.5L) Fuel Injected Pontiac	1987-1993	32	Le Mans	400 CID (6.6L) Pontiac	1971-1976	80
LS50	250 CID (4.1L) Chevrolet	1966	54	Le Mans	403 CID (6.6L) L80 Oldsmobile	1977	102
LSS	231 CID (3.8L) Fuel Injected Buick	1996-1999	51	Le Mans	455 CID (7.5L) Pontiac	1971-1975	104
LSS	231 CID (3.8L) Supercharged Buick	1996-1999	52	Limited	364 CID (6.0L) Buick	1958-1960	87
LV4000	305 CID (5.0L) General Motors	1960-1961	61	Lumina	134 CID (2.2L) OHV Chevrolet	1993	25
LV5000	351 CID (5.8L) General Motors	1960-1962	61	Lumina	151 CID (2.5L) Fuel Injected Pontiac	1990-1992	32
LV5500	401 CID (6.6L) General Motors	1960-1965	61	Lumina	189 CID (3.1L) Chevrolet	1990-2001	37
LVH14000	292 CID (4.8L) Chevrolet	1966-1968	60	Lumina	207 CID (3.4L) LQ1 DOHC Chevrolet	1991-1997	44
LVI4000	292 CID (4.8L) Chevrolet	1966-1969	60	Lumina	231 CID (3.8L) Fuel Injected Buick	1998-1999	51
LW7000	702 CID (11.5L) OHV General Motors	1960-1963	108	Lumina APV	189 CID (3.1L) Chevrolet	1990-1995	37
LWA5000	351 CID (5.8L) General Motors	1960-1962	61	Lumina APV	207 CID (3.4L) LA1 Chevrolet	1996	37
LWA5500	401 CID (6.6L) General Motors	1960-1965	61	Lumina APV	231 CID (3.8L) Fuel Injected Buick	1992-1995	51
LWB5000	351 CID (5.8L) General Motors	1960-1962	61	Luv	1817CC (1.8L) SOHC Isuzu	1971-1982	16
Laurentian	229 CID (3.8L) LC3 Chevrolet	1980	42	Luv	2238CC (2.2L) OHV Isuzu Diesel	1981-1982	27
Laurentian	231 CID (3.8L) Carbureted Buick	1981	50	M60	366 CID (6.0L) Chevrolet	1966	90
Laurentian	250 CID (4.1L) Chevrolet	1971-1979	54	M70	348 CID (5.7L) Chevrolet	1960-1961	85
Laurentian	265 CID (4.3L) LS5 Pontiac	1981	71	M80	348 CID (5.7L) Chevrolet	1962-1965	85
Laurentian	267 CID (4.4L) L39 Chevrolet	1980-1981	68	M80	366 CID (6.0L) Chevrolet	1966	90
Laurentian	305 CID (5.0L) Chevrolet	1977-1981	68	M80	409 CID (6.7L) Chevrolet	1962-1965	85
Laurentian	307 CID (5.0L) Oldsmobile	1981	78	M550	324 CID (5.3L) OHV General Motors	1955	79
Laurentian	350 CID (5.7L) Buick	1980	86	M650	324 CID (5.3L) OHV General Motors	1955	79
Laurentian	350 CID (5.7L) Carbureted Chevrolet	1976-1979	68	M	235 CID (3.9L) Chevrolet	1953-1955	53
Laurentian	350 CID (5.7L) Oldsmobile Diesel	1980-1981	66	ME50	327 CID (5.4L) Chevrolet	1967-1968	81
Laurentian	400 CID (6.6L) Pontiac	1976	80	ME50	350 CID (5.7L) Carbureted Chevrolet	1969-1970	68
Laurentian	455 CID (7.5L) Pontiac	1976	104	ME50	366 CID (6.0L) Chevrolet	1967-1970	90
Le Sabre	181 CID (3.0L) Buick	1986	38	ME60	366 CID (6.0L) Chevrolet	1967-1972	90
Le Sabre	231 CID (3.8L) Carbureted Buick	1976-1985	50	ME60	427 CID (7.0L) Chevrolet	1968-1972	90
Le Sabre	231 CID (3.8L) Turbo Buick	1978-1981	38	ME65	366 CID (6.0L) Chevrolet	1973-1978	90
Le Sabre	231 CID (3.8L) Fuel Injected Buick	1986-2005	51	ME65	427 CID (7.0L) Chevrolet	1973-1978	90
Le Sabre	252 CID (4.1L) LC4 Buick	1980-1984	40	ME6500	366 CID (6.0L) Chevrolet	1969-1978	90
Le Sabre	267 CID (4.4L) L39 Chevrolet	1981-1982	68	ME6500	427 CID (7.0L) Chevrolet	1969-1978	90
Le Sabre	300 CID (4.9L) Buick	1964-1965	75	ME9500	637 CID (10.4L) OHV General Motors	1966-1968	107
Le Sabre	301 CID (4.9L) Pontiac	1977-1981	71				
Le Sabre	305 CID (5.0L) Chevrolet	1978	68				
Le Sabre	307 CID (5.0L) Oldsmobile	1981-1990	78				

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
MG60	478 CID (7.8L) General Motors Diesel	1967-1969	61	N80	478 CID (7.8L) General Motors Diesel	1965	61
MJ9500	637 CID (10.4L) D General Motors Diesel	1966-1968	107	Ninety Eight	181 CID (3.0L) Buick	1985	38
MM65	432 CID (7.1L) General Motors	1974	62	Ninety Eight	231 CID (3.8L) Fuel Injected Buick	1985-1996	51
MM6500	432 CID (7.1L) General Motors	1974	62	Ninety Eight	231 CID (3.8L) Supercharged Buick	1992-1995	52
MW550	324 CID (5.3L) OHV General Motors	1955-1956	79	Ninety Eight	252 CID (4.1L) LC4 Buick	1981-1983	40
MW550	370 CID (6.1L) General Motors	1957-1959	92	Ninety Eight	260 CID (4.3L) Oldsmobile Diesel	1985	56
Malibu	134 CID (2.2L) L61 DOHC General Motors	2004-2005	23	Ninety Eight	303 CID (5.0L) Rocket V8 Oldsmobile	1949-1953	77
Malibu	146 CID (2.4L) LD9 DOHC Oldsmobile	1997-1999	30	Ninety Eight	307 CID (5.0L) Oldsmobile	1980-1990	78
Malibu	189 CID (3.1L) Chevrolet	1997-2003	37	Ninety Eight	324 CID (5.3L) Rocket V8 Oldsmobile	1954-1956	77
Malibu	200 CID (3.3L) L26 Chevrolet	1978-1979	42	Ninety Eight	350 CID (5.7L) Oldsmobile	1976-1980	67
Malibu	229 CID (3.8L) LC3 Chevrolet	1980-1983	42	Ninety Eight	350 CID (5.7L) Oldsmobile Diesel	1978-1985	66
Malibu	231 CID (3.8L) Carbureted Buick	1978-1983	50	Ninety Eight	371 CID (6.1L) Oldsmobile	1957-1958	93
Malibu	260 CID (4.3L) Oldsmobile Diesel	1982-1983	56	Ninety Eight	394 CID (6.5L) Oldsmobile	1959-1964	93
Malibu	267 CID (4.4L) L39 Chevrolet	1979-1982	68	Ninety Eight	403 CID (6.6L) L80 Oldsmobile	1977-1979	102
Malibu	305 CID (5.0L) Chevrolet	1978-1983	68	Ninety Eight	425 CID (7.0L) Oldsmobile	1965-1967	99
Malibu	350 CID (5.7L) Carbureted Chevrolet	1978-1981	68	Ninety Eight	455 CID (7.5L) Oldsmobile	1968-1975	99
Malibu	350 CID (5.7L) Oldsmobile Diesel	1978-1983	66	Nomad	235 CID (3.9L) Chevrolet	1955-1960	53
Master	216 CID (3.5L) Chevrolet	1937	46	Nomad	265 CID (4.3L) Chevrolet	1955-1957	70
Master 85	216 CID (3.5L) Chevrolet	1939	46	Nomad	283 CID (4.6L) Chevrolet	1957-1961	72
Master Deluxe	216 CID (3.5L) Chevrolet	1937	46	Nomad	348 CID (5.7L) Chevrolet	1958-1961	85
Metro	61 CID (1.0L) LS3 Turbo Suzuki	1989-1991	1	Nova	98 CID (1.6L) LC9 SOHC Toyota	1985-1988	8
Metro	61 CID (1.0L) LP2 Suzuki	1989-2001	1	Nova	98 CID (1.6L) LW0 DOHC Toyota	1988	9
Metro	79 CID (1.3L) L72 SOHC Suzuki	1992-1997	3	Nova	153 CID (2.5L) Chevrolet	1969-1970	33
Metro	79 CID (1.3L) LY8 Suzuki	1998-2001	3	Nova	230 CID (3.8L) Chevrolet	1969	39
Montana	207 CID (3.4L) LA1 Chevrolet	1999-2005	37	Nova	231 CID (3.8L) Carbureted Buick	1978-1979	50
Monte Carlo	189 CID (3.1L) Chevrolet	1995-1999	37	Nova	250 CID (4.1L) Chevrolet	1969-1979	54
Monte Carlo	200 CID (3.8L) L26 Chevrolet	1978-1979	42	Nova	262 CID (4.3L) Chevrolet	1975-1976	68
Monte Carlo	207 CID (3.4L) LQ1 DOHC Chevrolet	1995-1997	44	Nova	305 CID (5.0L) Chevrolet	1976-1978	68
Monte Carlo	207 CID (3.4L) LA1 Chevrolet	2000-2005	37	Nova	307 CID (5.0L) Chevrolet	1969-1973	68
Monte Carlo	229 CID (3.8L) LC3 Chevrolet	1980-1984	42	Nova	350 CID (5.7L) Carbureted Chevrolet	1969-1977	68
Monte Carlo	231 CID (3.8L) Carbureted Buick	1978-1981	50	Nova	396 CID (6.6L) Chevrolet	1969-1970	90
Monte Carlo	231 CID (3.8L) Turbo Buick	1978-1982	38	Omega	151 CID (2.5L) Carbureted Pontiac	1980-1983	31
Monte Carlo	231 CID (3.8L) Fuel Injected Buick	1998-2004	51	Omega	151 CID (2.5L) Fuel Injected Pontiac	1982-1984	32
Monte Carlo	231 CID (3.8L) Supercharged Buick	2004-2005	52	Omega	173 CID (2.8L) Chevrolet	1980-1984	36
Monte Carlo	260 CID (4.3L) Oldsmobile Diesel	1982-1985	56	Omega	231 CID (3.8L) Carbureted Buick	1977-1979	50
Monte Carlo	262 CID (4.3L) Chevrolet	1985-1988	58	Omega	250 CID (4.1L) Chevrolet	1973-1976	54
Monte Carlo	267 CID (4.4L) L39 Chevrolet	1979-1982	68	Omega	260 CID (4.3L) LV8 Oldsmobile	1975-1977	67
Monte Carlo	305 CID (5.0L) Chevrolet	1976-1988	68	Omega	305 CID (5.0L) Chevrolet	1977-1978	68
Monte Carlo	307 CID (5.0L) Oldsmobile	1986	78	Omega	350 CID (5.7L) Buick	1975-1977	86
Monte Carlo	350 CID (5.7L) Carbureted Chevrolet	1970-1977	68	Omega	350 CID (5.7L) Carbureted Chevrolet	1977-1979	68
Monte Carlo	350 CID (5.7L) Oldsmobile Diesel	1978-1985	66	Optima	122 CID (2.0L) OHC Pontiac	1989-1990	22
Monte Carlo	400 CID (6.6L) Chevrolet	1970-1976	98	P4	292 CID (4.8L) Chevrolet	1979-1984	60
Monte Carlo	402 CID (6.6L) Chevrolet	1970-1971	101	P6	427 CID (7.0L) Chevrolet	1990	90
Monte Carlo	454 CID (7.4L) Chevrolet	1970-1975	101	P6	366 CID (6.0L) Chevrolet	1989-1996	90
Monza	140 CID (2.3L) Chevrolet	1975-1977	21	P6	427 CID (7.0L) Chevrolet	1990-1996	90
Monza	151 CID (2.5L) Carbureted Pontiac	1978-1980	31	P6	366 CID (6.0L) Chevrolet	1991-1996	90
Monza	196 CID (3.2L) LC9 Buick	1978-1979	40	P6	427 CID (7.0L) Chevrolet	1991-1996	90
Monza	231 CID (3.8L) Carbureted Buick	1978-1980	50	P6	350 CID (5.7L) Carbureted Chevrolet	1983-1989	68
Monza	262 CID (4.3L) Chevrolet	1975-1976	68	P6	366 CID (6.0L) Chevrolet	1983-1990	90
Monza	305 CID (5.0L) Chevrolet	1976-1978	68	P6	427 CID (7.0L) Chevrolet	1990	90
Monza	350 CID (5.7L) Carbureted Chevrolet	1975-1980	68	P6	350 CID (5.7L) Carbureted Chevrolet	1983-1989	68
N60	478 CID (7.8L) General Motors Diesel	1965-1966	61	P10	153 CID (2.5L) Chevrolet	1963-1965	33
				P10	194 CID (3.2L) Chevrolet	1964-1966	39
				P10	230 CID (3.8L) Chevrolet	1963-1969	39

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
P10	235 CID (3.9L) Chevrolet	1960-1962	53	P3500	159 CID (2.6L) 3-53 Detroit Diesel Diesel	1967-1968	2
P10	250 CID (4.1L) Chevrolet	1966-1975	54	P3500	230 CID (3.8L) Chevrolet	1970	39
P10	292 CID (4.8L) Chevrolet	1963-1982	60	P3500	250 CID (4.1L) Chevrolet	1967-1972	54
P10	307 CID (5.0L) Chevrolet	1968-1972	68	P3500	262 CID (4.3L) Chevrolet	1990-1995	58
P10	327 CID (5.4L) Chevrolet	1965-1968	81	P3500	262 CID (4.3L) Vortec 4300 Chevrolet	1996-1999	58
P20	230 CID (3.8L) Chevrolet	1963-1969	39	P3500	292 CID (4.8L) Chevrolet	1966-1989	60
P20	235 CID (3.9L) Chevrolet	1960-1962	53	P3500	307 CID (5.0L) Chevrolet	1970-1971	68
P20	250 CID (4.1L) Chevrolet	1966-1975	54	P3500	350 CID (5.7L) Carbureted Chevrolet	1972-1988	68
P20	292 CID (4.8L) Chevrolet	1973-1989	60	P3500	350 CID (5.7L) Fuel Injected Chevrolet	1987-1999	68
P20	307 CID (5.0L) Chevrolet	1968-1972	68	P3500	379 CID (6.2L) Chevrolet Diesel	1983-1993	94
P20	327 CID (5.4L) Chevrolet	1965-1968	81	P3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	94
P20	350 CID (5.7L) Carbureted Chevrolet	1969-1989	68	P3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	94
P20	350 CID (5.7L) Fuel Injected Chevrolet	1987-1989	68	P3500	454 CID (7.4L) Chevrolet	1974-1999	101
P20	379 CID (6.2L) Chevrolet Diesel	1982-1989	94	PB1500	292 CID (4.8L) Chevrolet	1963-1966	60
P20	454 CID (7.4L) Chevrolet	1970-1989	101	PB2500	292 CID (4.8L) Chevrolet	1963-1966	60
P30	230 CID (3.8L) Chevrolet	1963-1969	39	PE30 MHC	454 CID (7.4L) Chevrolet	1966-1982	101
P30	235 CID (3.9L) Chevrolet	1960-1962	53	PE3500	454 CID (7.4L) Chevrolet	1975-1982	101
P30	250 CID (4.1L) Chevrolet	1966-1975	54	PM150	228 CID (3.7L) General Motors	1951-1953	48
P30	262 CID (4.3L) Chevrolet	1985-1995	58	PM150	248 CID (4.1L) General Motors	1954-1955	48
P30	262 CID (4.3L) Vortec 4300 Chevrolet	1996-1999	58	PM150	270 CID (4.4L) OHV General Motors	1956-1959	59
P30	292 CID (4.8L) Chevrolet	1963-1989	60	PM150	287 CID (4.7L) Pontiac	1955	73
P30	307 CID (5.0L) Chevrolet	1968-1972	68	PM150	317 CID (5.2L) General Motors	1956	73
P30	327 CID (5.4L) Chevrolet	1965-1968	81	PM150	336 CID (5.5L) General Motors	1958-1959	73
P30	350 CID (5.7L) Carbureted Chevrolet	1969-1989	68	PM150	347 CID (5.7L) General Motors	1957	73
P30	350 CID (5.7L) Fuel Injected Chevrolet	1987-1999	68	PM250	228 CID (3.7L) General Motors	1951-1953	48
P30	379 CID (6.2L) Chevrolet Diesel	1983-1993	94	PM250	248 CID (4.1L) General Motors	1954-1955	48
P30	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	94	PM250	270 CID (4.4L) OHV General Motors	1956-1959	59
P30	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	94	PM250	287 CID (4.7L) Pontiac	1955	73
P30	454 CID (7.4L) Chevrolet	1970-1999	101	PM250	317 CID (5.2L) General Motors	1956	73
P50	230 CID (3.8L) Chevrolet	1965	39	PM250	336 CID (5.5L) General Motors	1958-1959	73
P350	270 CID (4.4L) OHV General Motors	1956-1959	59	PM250	347 CID (5.7L) General Motors	1957	73
P1000	153 CID (2.5L) Chevrolet	1963-1965	33	PS40	250 CID (4.1L) Chevrolet	1967-1970	54
P1000	230 CID (3.8L) Chevrolet	1966	39	PS50	250 CID (4.1L) Chevrolet	1966	54
P1000	270 CID (4.4L) OHV General Motors	1960-1962	59	PS4500	292 CID (4.8L) Chevrolet	1967-1978	60
P1500	230 CID (3.8L) Chevrolet	1963-1970	39	Parisienne	231 CID (3.8L) Carbureted Buick	1983-1984	50
P1500	250 CID (4.1L) Chevrolet	1966-1974	54	Parisienne	262 CID (4.3L) Chevrolet	1985-1986	58
P1500	292 CID (4.8L) Chevrolet	1963-1982	60	Parisienne	305 CID (5.0L) Chevrolet	1983-1986	68
P1500	307 CID (5.0L) Chevrolet	1970	68	Parisienne	307 CID (5.0L) Oldsmobile	1986	78
P2500	159 CID (2.6L) 3-53 Detroit Diesel Diesel	1967-1968	2	Parisienne	350 CID (5.7L) Oldsmobile Diesel	1983-1985	66
P2500	230 CID (3.8L) Chevrolet	1963-1970	39	Park Avenue	231 CID (3.8L) Fuel Injected Buick	1991-2005	51
P2500	250 CID (4.1L) Chevrolet	1966-1972	54	Park Avenue	231 CID (3.8L) Supercharged Buick	1991-2005	52
P2500	292 CID (4.8L) Chevrolet	1963-1989	60	Phoenix	151 CID (2.5L) Carbureted Pontiac	1977-1983	31
P2500	307 CID (5.0L) Chevrolet	1970-1971	68	Phoenix	151 CID (2.5L) Fuel Injected Pontiac	1982-1984	32
P2500	350 CID (5.7L) Carbureted Chevrolet	1972-1988	68	Phoenix	173 CID (2.8L) Chevrolet	1980-1984	36
P2500	350 CID (5.7L) Fuel Injected Chevrolet	1987-1989	68	Phoenix	231 CID (3.8L) Carbureted Buick	1977-1979	50
P2500	379 CID (6.2L) Chevrolet Diesel	1983-1989	94	Phoenix	305 CID (5.0L) Chevrolet	1977-1979	68
P2500	454 CID (7.4L) Chevrolet	1984-1986	101	Phoenix	350 CID (5.7L) Carbureted Chevrolet	1977-1979	68

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Prizm	98 CID (1.6L) LW0 DOHC Toyota	1990-1992	9	R2500	350 CID (5.7L) Carbureted Chevrolet	1989	68
Prizm	98 CID (1.6L) LO1 DOHC Toyota	1989-1997	9				
Prizm	108 CID (1.8L) LV6 DOHC Toyota	1993-1999	11	R2500	350 CID (5.7L) Fuel Injected Chevrolet	1989	68
Pursuit	134 CID (2.2L) L61 DOHC General Motors	2005	23	R2500	379 CID (6.2L) Chevrolet Diesel	1989	94
Q60	478 CID (7.8L) General Motors Diesel	1965-1966	61	R2500	454 CID (7.4L) Chevrolet	1989	101
Q80	478 CID (7.8L) General Motors Diesel	1965	61	R2500 Suburban	292 CID (4.8L) Chevrolet	1989	60
R10	262 CID (4.3L) Chevrolet	1987	58	R2500 Suburban	350 CID (5.7L) Carbureted Chevrolet	1989	68
R10	305 CID (5.0L) Chevrolet	1987	68	R2500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1989-1991	68
R10	350 CID (5.7L) Fuel Injected Chevrolet	1987	68	R2500 Suburban	379 CID (6.2L) Chevrolet Diesel	1989-1991	94
R10	379 CID (6.2L) Chevrolet Diesel	1987	94	R2500 Suburban	454 CID (7.4L) Chevrolet	1989-1991	101
R10 Suburban	262 CID (4.3L) Chevrolet	1987-1988	58	R2500 Suburban	262 CID (4.3L) Chevrolet	1987	58
R10 Suburban	305 CID (5.0L) Chevrolet	1987-1988	68				
R10 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1987-1988	68	R2500 Suburban	292 CID (4.8L) Chevrolet	1987-1989	60
R10 Suburban	379 CID (6.2L) Chevrolet Diesel	1987-1988	94	R2500 Suburban	305 CID (5.0L) Chevrolet	1987	68
R20	262 CID (4.3L) Chevrolet	1987-1988	58	R2500 Suburban	350 CID (5.7L) Carbureted Chevrolet	1987-1989	68
R20	292 CID (4.8L) Chevrolet	1987-1988	60	R2500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1987-1991	68
R20	305 CID (5.0L) Chevrolet	1987-1988	68	R2500 Suburban	379 CID (6.2L) Chevrolet Diesel	1987-1991	94
R20	350 CID (5.7L) Carbureted Chevrolet	1987-1988	68	R2500 Suburban	454 CID (7.4L) Chevrolet	1987-1991	101
R20	350 CID (5.7L) Fuel Injected Chevrolet	1987-1988	68				
R20	379 CID (6.2L) Chevrolet Diesel	1987-1988	94	R2500	262 CID (4.3L) Chevrolet	1987	58
R20	454 CID (7.4L) Chevrolet	1987-1988	101	R2500	292 CID (4.8L) Chevrolet	1987-1989	60
R20 Suburban	262 CID (4.3L) Chevrolet	1987-1988	58	R2500	305 CID (5.0L) Chevrolet	1987	68
R20 Suburban	292 CID (4.8L) Chevrolet	1987-1988	60				
R20 Suburban	305 CID (5.0L) Chevrolet	1987-1988	68	R2500	350 CID (5.7L) Carbureted Chevrolet	1987-1989	68
R20 Suburban	350 CID (5.7L) Carbureted Chevrolet	1987-1988	68	R2500	350 CID (5.7L) Fuel Injected Chevrolet	1987-1989	68
R20 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1987-1988	68	R2500	379 CID (6.2L) Chevrolet Diesel	1987-1989	94
R20 Suburban	379 CID (6.2L) Chevrolet Diesel	1987-1988	94				
R20 Suburban	454 CID (7.4L) Chevrolet	1987-1988	101	R2500	454 CID (7.4L) Chevrolet	1987-1989	101
R30	292 CID (4.8L) Chevrolet	1987-1988	60				
R30	305 CID (5.0L) Chevrolet	1987-1988	68	R3500	292 CID (4.8L) Chevrolet	1989	60
R30	350 CID (5.7L) Carbureted Chevrolet	1987-1988	68	R3500	350 CID (5.7L) Fuel Injected Chevrolet	1989-1991	68
R30	350 CID (5.7L) Fuel Injected Chevrolet	1987-1988	68	R3500	379 CID (6.2L) Chevrolet Diesel	1989-1991	94
R30	379 CID (6.2L) Chevrolet Diesel	1987-1988	94	R3500	454 CID (7.4L) Chevrolet	1989-1991	101
R30	454 CID (7.4L) Chevrolet	1987-1988	101	R3500	292 CID (4.8L) Chevrolet	1987-1989	60
R1500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1989-1991	68				
R1500 Suburban	379 CID (6.2L) Chevrolet Diesel	1989-1991	94	R3500	305 CID (5.0L) Chevrolet	1987	68
R1500 Suburban	454 CID (7.4L) Chevrolet	1989-1991	101	R3500	350 CID (5.7L) Carbureted Chevrolet	1987-1988	68
R1500 Suburban	262 CID (4.3L) Chevrolet	1987	58	R3500	350 CID (5.7L) Fuel Injected Chevrolet	1987-1991	68
R1500 Suburban	305 CID (5.0L) Chevrolet	1987	68	R3500	379 CID (6.2L) Chevrolet Diesel	1987-1991	94
R1500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1987-1991	68				
R1500 Suburban	379 CID (6.2L) Chevrolet Diesel	1987-1991	94	R3500	454 CID (7.4L) Chevrolet	1987-1991	101
R1500 Suburban	454 CID (7.4L) Chevrolet	1990	101	RG7500	478 CID (7.8L) General Motors Diesel	1965-1969	61
R1500	262 CID (4.3L) Chevrolet	1987	58	RM75	432 CID (7.1L) General Motors	1973-1974	62
R1500	305 CID (5.0L) Chevrolet	1987	68	RM80	432 CID (7.1L) General Motors	1973-1974	62
				RM80	478 CID (7.8L) General Motors	1972-1974	61
R1500	350 CID (5.7L) Fuel Injected Chevrolet	1987	68	RM7500	351 CID (5.8L) General Motors	1966-1972	61
R1500	379 CID (6.2L) Chevrolet Diesel	1987	94	RM7500	401 CID (6.6L) General Motors	1966-1972	61
				RM7500	432 CID (7.1L) General Motors	1973-1974	62
				RM7500	478 CID (7.8L) General Motors	1966-1973	61
				RM8500	432 CID (7.1L) General Motors	1973-1974	62
R2500	292 CID (4.8L) Chevrolet	1989	60				

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Rainier	254 CID (4.2L) LL8 -Vortec 4200,DOHC,24v Chevrolet	2004-2005	55	S10	137 CID (2.2L) LQ7 OHV Isuzu Diesel	1984-1985	26
Rainier	325 CID (5.3L) Vortec 5300 Chevrolet	2004-2005	74	S10	151 CID (2.5L) Fuel Injected Pontiac	1985-1993	32
Reatta	231 CID (3.8L) Fuel Injected Buick	1988-1993	51	S10	173 CID (2.8L) Chevrolet	1982-1993	36
Regal	173 CID (2.8L) Chevrolet	1988-1989	36	S10	262 CID (4.3L) Chevrolet	1988-1995	58
Regal	189 CID (3.1L) Chevrolet	1989-1998	37	S10	262 CID (4.3L) Vortec 4300 Chevrolet	1992-2004	58
Regal	196 CID (3.2L) LC9 Buick	1978-1979	40	S15	119 CID (1.9L) LR1 SOHC Isuzu	1982-1985	18
Regal	231 CID (3.8L) Carbureted Buick	1976-1987	50	S15	121 CID (2.0L) LQ2 Chevrolet	1983-1984	20
Regal	231 CID (3.8L) Turbo Buick	1978-1987	38	S15	137 CID (2.2L) LQ7 OHV Isuzu Diesel	1984-1985	26
Regal	231 CID (3.8L) Fuel Injected Buick	1990-2004	51	S15	151 CID (2.5L) Fuel Injected Pontiac	1985-1990	32
Regal	231 CID (3.8L) Supercharged Buick	1997-2004	52	S15	173 CID (2.8L) Chevrolet	1982-1990	36
Regal	252 CID (4.1L) LC4 Buick	1980-1984	40	S15	262 CID (4.3L) Chevrolet	1988-1995	58
Regal	260 CID (4.3L) Oldsmobile Diesel	1982-1985	56	S15	262 CID (4.3L) Vortec 4300 Chevrolet	1992-1995	58
Regal	262 CID (4.3L) Chevrolet	1985	58	S50	230 CID (3.8L) Chevrolet	1963-1965	39
Regal	265 CID (4.3L) LS5 Pontiac	1980-1981	71	S50	235 CID (3.9L) Chevrolet	1960-1962	53
Regal	267 CID (4.4L) L39 Chevrolet	1981-1982	68	S60	261 CID (4.3L) Chevrolet	1960-1962	57
Regal	301 CID (4.9L) Pontiac	1979-1981	71	S60	366 CID (6.0L) Chevrolet	1966	90
Regal	305 CID (5.0L) Chevrolet	1978-1987	68	S70	348 CID (5.7L) Chevrolet	1960-1961	85
Regal	307 CID (5.0L) Oldsmobile	1984-1987	78	S300	270 CID (4.4L) OHV General Motors	1956-1959	59
Regal	350 CID (5.7L) Oldsmobile	1977	67	S300-8	287 CID (4.7L) Pontiac	1955	73
Regal	350 CID (5.7L) Buick	1976-1977	86	S300-24	248 CID (4.1L) General Motors	1954-1955	48
Regal	350 CID (5.7L) Carbureted Chevrolet	1977	68	S370	270 CID (4.4L) OHV General Motors	1957-1959	59
Regal	350 CID (5.7L) Oldsmobile Diesel	1981-1985	66	S370	336 CID (5.5L) General Motors	1958-1959	73
Regal	403 CID (6.6L) L80 Oldsmobile	1977	102	S400-24	248 CID (4.1L) General Motors	1954-1955	48
Regency	231 CID (3.8L) Fuel Injected Buick	1997-1998	51	S400-27	270 CID (4.4L) OHV General Motors	1951-1955	59
Regency	307 CID (5.0L) Oldsmobile	1984	78	S450	302 CID (5.0L) OHV General Motors	1955-1959	59
Regency	350 CID (5.7L) Oldsmobile Diesel	1984	66	S450-30	302 CID (5.0L) OHV General Motors	1952-1954	59
Rendezvous	207 CID (3.4L) LA1 Chevrolet	2002-2005	37	S4000	305 CID (5.0L) General Motors	1963-1966	61
Riviera	173 CID (2.8L) Chevrolet	1984	36	S4000	351 CID (5.8L) General Motors	1963-1966	61
Riviera	231 CID (3.8L) Carbureted Buick	1976-1986	50	S5000	351 CID (5.8L) General Motors	1963-1965	61
Riviera	231 CID (3.8L) Turbo Buick	1978-1985	38	S6200	327 CID (5.4L) Chevrolet	1962-1966	81
Riviera	231 CID (3.8L) Fuel Injected Buick	1986-1997	51	S	235 CID (3.9L) Chevrolet	1953-1955	53
Riviera	231 CID (3.8L) Supercharged Buick	1995-1999	52	SA4000	305 CID (5.0L) General Motors	1960-1961	61
Riviera	252 CID (4.1L) LC4 Buick	1980-1983	40	SA4000	351 CID (5.8L) General Motors	1960-1962	61
Riviera	300 CID (4.9L) Buick	1965	75	SA5000	351 CID (5.8L) General Motors	1960-1962	61
Riviera	301 CID (4.9L) Pontiac	1977-1979	71	SC1	116 CID (1.9L) SOHC Saturn	1993-2002	17
Riviera	305 CID (5.0L) Chevrolet	1978	68	SC2	116 CID (1.9L) DOHC Saturn	1993-2002	17
Riviera	307 CID (5.0L) Oldsmobile	1980-1985	78	SC	116 CID (1.9L) DOHC Saturn	1991-1992	17
Riviera	350 CID (5.7L) Oldsmobile	1977-1980	67	SE50	350 CID (5.7L) Carbureted Chevrolet	1969-1971	68
Riviera	350 CID (5.7L) Buick	1976-1980	86	SE50	366 CID (6.0L) Chevrolet	1967-1970	90
Riviera	350 CID (5.7L) Carbureted Chevrolet	1977-1979	68	SE60	350 CID (5.7L) Carbureted Chevrolet	1973-1978	68
Riviera	350 CID (5.7L) Oldsmobile Diesel	1980-1985	66	SE60	366 CID (6.0L) Chevrolet	1967-1978	90
Riviera	400 CID (6.6L) Pontiac	1978	80	SE5000	327 CID (5.4L) Chevrolet	1967-1968	81
Riviera	401 CID (6.6L) Buick	1963	100	SE5500	366 CID (6.0L) Chevrolet	1970-1972	90
Riviera	403 CID (6.6L) L80 Oldsmobile	1977-1979	102	SE6000	327 CID (5.4L) Chevrolet	1967-1968	81
Riviera	425 CID (7.0L) Buick	1963-1966	100	SG50	366 CID (6.0L) Chevrolet	1973-1978	90
Riviera	430 CID (7.0L) Buick	1967-1969	97	SG50	478 CID (7.8L) General Motors Diesel	1972	61
Riviera	455 CID (7.5L) Buick	1970-1976	97	SG60	478 CID (7.8L) General Motors Diesel	1973-1974	61
Roadmaster	305 CID (5.0L) Chevrolet	1991-1992	68	SG5500	478 CID (7.8L) General Motors Diesel	1967-1972	61
Roadmaster	322 CID (5.3L) Buick	1953-1956	69	SG6000	478 CID (7.8L) General Motors Diesel	1973-1974	61
Roadmaster	350 CID (5.7L) Fuel Injected Chevrolet	1992-1996	68	SG6000	478 CID (7.8L) General Motors Diesel	1973-1974	61
Roadmaster	364 CID (6.0L) Buick	1957-1958	87	SI4000	292 CID (4.8L) Chevrolet	1966	60
S7T042	366 CID (6.0L) Chevrolet	1988-1991	90	SL1	116 CID (1.9L) SOHC Saturn	1991-2002	17
S10	119 CID (1.9L) LR1 SOHC Isuzu	1982-1985	18	SL2	116 CID (1.9L) DOHC Saturn	1991-2002	17
S10	121 CID (2.0L) LQ2 Chevrolet	1983-1984	20	SL	116 CID (1.9L) SOHC Saturn	1991-2002	17
S10	134 CID (2.2L) OHV Chevrolet	1994-2002	25				

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
SM5500	305 CID (5.0L) General Motors	1967-1972	61	Savana 2500 EXT	365 CID (6.0L) Vortec 6000 LQ4 (KL6) Chevrolet	2003-2005	89
SM5500	351 CID (5.8L) General Motors	1967-1972	61	Savana 2500 EXT	365 CID (6.0L) Vortec 6000 LQ4 (KL8) Chevrolet	2003-2005	89
SM6000	305 CID (5.0L) General Motors	1973-1974	61	Savana 2500 EXT	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-2001	94
SM6000	379 CID (6.2L) General Motors	1973-1974	62	Savana 3500	262 CID (4.3L) Vortec 4300 Chevrolet	1997-1998	58
SM6500	351 CID (5.8L) General Motors	1967-1969	61	Savana 3500	350 CID (5.7L) Fuel Injected Chevrolet	1996-2002	68
SM6500	401 CID (6.6L) General Motors	1967-1969	61	Savana 3500	365 CID (6.0L) Vortec 6000 Chevrolet	2003-2005	89
SP5000	351 CID (5.8L) General Motors	1963-1965	61	Savana 3500	365 CID (6.0L) Vortec 6000 LQ4 (KL6) Chevrolet	2003-2005	89
SP5000	478 CID (7.8L) General Motors	1964-1965	61	Savana 3500	365 CID (6.0L) Vortec 6000 LQ4 (KL8) Chevrolet	2003-2005	89
SPA5000	351 CID (5.8L) General Motors	1960-1962	61	Savana 3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-2002	94
SPA5000	401 CID (6.6L) General Motors	1960-1965	61	Savana 3500	454 CID (7.4L) Chevrolet	1996-2000	101
SPV5000	351 CID (5.8L) General Motors	1960-1962	61	Savana 3500	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2002	106
SPV5000	401 CID (6.6L) General Motors	1960-1965	61	Savana 3500 EXT	350 CID (5.7L) Fuel Injected Chevrolet	1996-2002	68
SRX	281 CID (4.6L) Cadillac	2004-2005	64	Savana 3500 EXT	365 CID (6.0L) Vortec 6000 Chevrolet	2003-2005	89
SS40	250 CID (4.1L) Chevrolet	1968-1971	54	Savana 3500 EXT	365 CID (6.0L) Vortec 6000 LQ4 (KL6) Chevrolet	2003-2005	89
SS50	250 CID (4.1L) Chevrolet	1966-1967	54	Savana 3500 EXT	365 CID (6.0L) Vortec 6000 LQ4 (KL8) Chevrolet	2003-2005	89
SS5500	292 CID (4.8L) Chevrolet	1970-1972	60	Savana 3500 EXT	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-2002	94
SS6000	292 CID (4.8L) Chevrolet	1973-1976	60	Savana 3500 EXT	454 CID (7.4L) Chevrolet	1996-2000	101
SSR	325 CID (5.3L) Vortec 5300 Chevrolet	2003-2004	74	Savana 3500 EXT	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2002	106
STS	281 CID (4.6L) Cadillac	2005	64	Sedan DeVille	350 CID (5.7L) Oldsmobile Diesel	1978-1979	66
SV4000	305 CID (5.0L) General Motors	1960-1961	61	Sedan DeVille	425 CID (7.0L) Cadillac	1978-1979	91
SV4000	351 CID (5.8L) General Motors	1960-1962	61	Series 61	331 CID (5.4L) OHV Cadillac	1949-1951	83
SV5000	351 CID (5.8L) General Motors	1960-1962	61	Series 62	331 CID (5.4L) OHV Cadillac	1949-1955	83
SW1	116 CID (1.9L) SOHC Saturn	1993-1999	17	Series 62	365 CID (6.0L) Cadillac	1956-1958	88
SW2	116 CID (1.9L) DOHC Saturn	1993-2001	17	Series 6200	331 CID (5.4L) OHV Cadillac	1951-1955	83
SWP	116 CID (1.9L) SOHC Saturn	1999-2000	17	Series 6200	365 CID (6.0L) Cadillac	1956-1958	88
Safari	151 CID (2.5L) Fuel Injected Pontiac	1985-1990	32	Series 6200	390 CID (6.4L) Cadillac	1959-1963	96
Safari	262 CID (4.3L) Chevrolet	1985-1994	58	Series 6200	429 CID (7.0L) Cadillac	1964-1967	105
Safari	262 CID (4.3L) Vortec 4300 Chevrolet	1992-2005	58	Series 6200	472 CID (7.7L) Cadillac	1968-1974	91
Safari	307 CID (5.0L) Oldsmobile	1987-1989	78	Series 6200	500 CID (8.2L) Cadillac	1975	91
Safari EXT	262 CID (4.3L) Chevrolet	1990-1994	58	Seville	252 CID (4.1L) LC4 Buick	1981-1983	40
Safari EXT	262 CID (4.3L) Vortec 4300 Chevrolet	1992-1994	58	Seville	252 CID (4.1L) Cadillac	1982-1987	65
Savana 1500	262 CID (4.3L) Vortec 4300 Chevrolet	1996-2005	58	Seville	273 CID (4.5L) Cadillac	1988-1989	65
Savana 1500	305 CID (5.0L) Chevrolet	1996-2002	68	Seville	281 CID (4.6L) Cadillac	1993-2004	64
Savana 1500	325 CID (5.3L) Vortec 5300 Chevrolet	2003-2005	74	Seville	300 CID (4.9L) L26 Cadillac	1991-1993	65
Savana 1500	350 CID (5.7L) Fuel Injected Chevrolet	1996-2002	68	Seville	350 CID (5.7L) Oldsmobile	1975-1979	67
Savana 2500	262 CID (4.3L) Vortec 4300 Chevrolet	1996-2005	58	Seville	350 CID (5.7L) Oldsmobile Diesel	1978-1985	66
Savana 2500	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2003-2005	74	Seville	368 CID (6.0L) Cadillac	1980-1981	91
Savana 2500	305 CID (5.0L) Chevrolet	1996-2002	68	Sierra 1500	262 CID (4.3L) Vortec 4300 Chevrolet	1999-2005	58
Savana 2500	325 CID (5.3L) Vortec 5300 Chevrolet	2003-2004	74	Sierra 1500	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	1999-2005	74
Savana 2500	350 CID (5.7L) Fuel Injected Chevrolet	1996-2002	68	Sierra 1500	325 CID (5.3L) Vortec 5300 Chevrolet	1999-2005	74
Savana 2500	365 CID (6.0L) Vortec 6000 Chevrolet	2003-2005	89	Sierra 1500	325 CID (5.3L) Vortec 5300 L59 Chevrolet	2003-2005	74
Savana 2500	365 CID (6.0L) Vortec 6000 LQ4 (KL6) Chevrolet	2003-2005	89	Sierra 1500	365 CID (6.0L) Vortec 6000 Chevrolet	2002-2004	89
Savana 2500	365 CID (6.0L) Vortec 6000 LQ4 (KL8) Chevrolet	2003-2005	89	Sierra 1500HD	365 CID (6.0L) Vortec 6000 Chevrolet	2002-2005	89
Savana 2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-2002	94	Sierra 2500	325 CID (5.3L) Vortec 5300 Chevrolet	1999-2000	74
Savana 2500 EXT	262 CID (4.3L) Vortec 4300 Chevrolet	1996-2005	58				
Savana 2500 EXT	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2003-2005	74				
Savana 2500 EXT	305 CID (5.0L) Chevrolet	1996-2002	68				
Savana 2500 EXT	325 CID (5.3L) Vortec 5300 Chevrolet	2003-2005	74				
Savana 2500 EXT	350 CID (5.7L) Fuel Injected Chevrolet	1996-2002	68				
Savana 2500 EXT	365 CID (6.0L) Vortec 6000 Chevrolet	2003-2005	89				

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Sierra 2500	365 CID (6.0L) Vortec 6000 Chevrolet	1999-2004	89	Skyhawk	121 CID (2.0L) LQ5 Chevrolet	1983-1986	20
Sierra 2500	365 CID (6.0L) Vortec 6000 LQ4 (KL6) Chevrolet	2002-2003	89	Skyhawk	121 CID (2.0L) LR9 Chevrolet	1983-1984	20
Sierra 2500HD	365 CID (6.0L) Vortec 6000 Chevrolet	2001-2005	89	Skyhawk	121 CID (2.0L) LL8 Chevrolet	1987-1989	19
Sierra 2500HD	365 CID (6.0L) Vortec 6000 LQ4 (KL6) Chevrolet	2002-2005	89	Skyhawk	122 CID (2.0L) OHC Pontiac	1987-1988	22
Sierra 2500HD	365 CID (6.0L) Vortec 6000 LQ4 (KL8) Chevrolet	2004-2005	89	Skyhawk	122 CID (2.0L) OHC Turbo Pontiac	1987	22
Sierra 2500HD	403 CID/6599CC (6.6L) Duramax 6600 LB7 OHV General Motors Diesel	2001-2004	103	Skyhawk	231 CID (3.8L) Carbureted Buick	1975-1980	50
Sierra 2500HD	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2005	106	Skyhawk	138 CID (2.3L) DOHC Oldsmobile	1988-1991	28
Sierra 3500	365 CID (6.0L) Vortec 6000 Chevrolet	2001-2005	89	Skyhawk	138 CID (2.3L) L40 SOHC Oldsmobile	1992-1994	29
Sierra 3500	403 CID/6599CC (6.6L) Duramax 6600 LB7 OHV General Motors Diesel	2001-2004	103	Skyhawk	146 CID (2.4L) LD9 DOHC Oldsmobile	1996-1998	30
Sierra 3500	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2005	106	Skyhawk	151 CID (2.5L) Carbureted Pontiac	1980-1983	31
Sierra Denali	365 CID (6.0L) Vortec 6000 Chevrolet	2002-2003	89	Skyhawk	151 CID (2.5L) Fuel Injected Pontiac	1982-1991	32
Silhouette	138 CID (2.3L) DOHC Oldsmobile	1993-1996	28	Skyhawk	173 CID (2.8L) Chevrolet	1980-1985	36
Silhouette	189 CID (3.1L) Chevrolet	1990-1994	37	Skyhawk	181 CID (3.0L) Buick	1985-1988	38
Silhouette	207 CID (3.4L) LA1 Chevrolet	1996-2004	37	Skyhawk	189 CID (3.1L) Chevrolet	1994-1998	37
Silhouette	231 CID (3.8L) Fuel Injected Buick	1992-1995	51	Skyhawk	204 CID (3.3L) LG7 Buick	1989-1993	43
Silverado 1500	262 CID (4.3L) Vortec 4300 Chevrolet	1999-2005	58	Skyhawk	215 CID (3.5L) Aluminum Block & Heads Buick	1961-1963	63
Silverado 1500	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	1999-2005	74	Skyhawk	225 CID (3.7L) Buick	1964-1967	47
Silverado 1500	325 CID (5.3L) Vortec 5300 Chevrolet	1999-2005	74	Skyhawk	231 CID (3.8L) Carbureted Buick	1975-1987	50
Silverado 1500	325 CID (5.3L) Vortec 5300 L59 Chevrolet	2003-2005	74	Skyhawk	250 CID (4.1L) Chevrolet	1968-1971	54
Silverado 1500	365 CID (6.0L) Vortec 6000 Chevrolet	2003-2005	89	Skyhawk	260 CID (4.3L) LV8 Oldsmobile	1975-1976	67
Silverado 1500HD	365 CID (6.0L) Vortec 6000 Chevrolet	2001-2005	89	Skyhawk	300 CID (4.9L) Buick	1964-1967	75
Silverado 2500	325 CID (5.3L) Vortec 5300 Chevrolet	1999-2001	74	Skyhawk	301 CID (4.9L) Pontiac	1977-1979	71
Silverado 2500	365 CID (6.0L) Vortec 6000 Chevrolet	1999-2004	89	Skyhawk	305 CID (5.0L) Chevrolet	1977-1978	68
Silverado 2500	365 CID (6.0L) Vortec 6000 LQ4 (KL6) Chevrolet	2002-2004	89	Skyhawk	322 CID (5.3L) Buick	1954	69
Silverado 2500HD	365 CID (6.0L) Vortec 6000 Chevrolet	2001-2005	89	Skyhawk	340 CID (5.6L) Buick	1966-1967	84
Silverado 2500HD	365 CID (6.0L) Vortec 6000 LQ4 (KL8) Chevrolet	2004-2005	89	Skyhawk	350 CID (5.7L) Oldsmobile	1977-1978	67
Silverado 2500HD	403 CID/6599CC (6.6L) Duramax 6600 LB7 OHV General Motors Diesel	2001-2004	103	Skyhawk	350 CID (5.7L) Buick	1968-1976	86
Silverado 2500HD	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2005	106	Skyhawk	350 CID (5.7L) Carbureted Chevrolet	1977-1979	68
Silverado 3500	365 CID (6.0L) Vortec 6000 Chevrolet	2001-2005	89	Skyhawk	400 CID (6.6L) Buick	1967-1969	97
Silverado 3500	403 CID/6599CC (6.6L) Duramax 6600 LB7 OHV General Motors Diesel	2001-2005	103	Skyhawk	401 CID (6.6L) Buick	1965-1966	100
Silverado 3500	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2005	106	Skyhawk	455 CID (7.5L) Buick	1970-1971	97
Skyhawk	110 CID (1.8L) LH8 OHC Pontiac	1982-1986	12	Skyhawk	138 CID (2.3L) DOHC Oldsmobile	1988-1989	28
Skyhawk	110 CID (1.8L) LA5 OHC Turbo Pontiac	1984-1986	12	Skyhawk	138 CID (2.3L) L40 SOHC Oldsmobile	1993-1994	29
Skyhawk	112 CID (1.8L) L46 Chevrolet	1982	15	Skyhawk	151 CID (2.5L) Fuel Injected Pontiac	1985-1989	32
				Skyhawk	181 CID (3.0L) Buick	1985-1988	38
				Skyhawk	189 CID (3.1L) Chevrolet	1994-1995	37
				Skyhawk	204 CID (3.3L) LG7 Buick	1989	43
				Skyhawk	134 CID (2.2L) OHV Chevrolet	1994-2004	25
				Skyhawk	151 CID (2.5L) Fuel Injected Pontiac	1991-1993	32
				Skyhawk	173 CID (2.8L) Chevrolet	1991-1993	36
				Skyhawk	262 CID (4.3L) Chevrolet	1991-1995	58
				Skyhawk	262 CID (4.3L) Vortec 4300 Chevrolet	1992-2002	58
				Skyhawk	198 CID (3.2L) Buick	1962-1963	41
				Skyhawk	215 CID (3.5L) Aluminum Block & Heads Buick	1961-1963	63
				Skyhawk	216 CID (3.5L) Chevrolet	1949-1952	46
				Skyhawk	225 CID (3.7L) Buick	1964-1967	47
				Skyhawk	250 CID (4.1L) Chevrolet	1968-1969	54
				Skyhawk	264 CID (4.3L) Buick	1954-1955	69
				Skyhawk	300 CID (4.9L) Buick	1964-1967	75
				Skyhawk	322 CID (5.3L) Buick	1956	69
				Skyhawk	340 CID (5.6L) Buick	1966-1967	84
				Skyhawk	350 CID (5.7L) Buick	1968-1969	86
				Skyhawk	364 CID (6.0L) Buick	1957-1958	87
				Skyhawk	235 CID (3.9L) Chevrolet	1953-1957	53
				Skyhawk	265 CID (4.3L) Chevrolet	1955-1957	70

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Special 150	283 CID (4.6L) Chevrolet	1957	72	Super 88	371 CID (6.1L) Oldsmobile	1957-1958	93
Special Deluxe	216 CID (3.5L) Chevrolet	1940	46	Super 88	394 CID (6.5L) Oldsmobile	1959-1964	93
Spectrum	92 CID (1.5L) LC5 Isuzu	1985-1988	5	Super Chief	347 CID (5.7L) General Motors	1957	73
Spectrum	92 CID (1.5L) LC0 SOHC Isuzu	1986-1988	5	Super Chief	370 CID (6.1L) Pontiac	1958	73
Sprint	61 CID (1.0L) LY9 Suzuki	1985-1988	1	Syclone	262 CID (4.3L) LB4 (ZR9/Z79)	1991-1993	58
Sprint	61 CID (1.0L) LS3 Turbo Suzuki	1987-1991	1		Turbo Chevrolet		
Sprint	61 CID (1.0L) LP2 Suzuki	1989-1991	1	T50	230 CID (3.8L) Chevrolet	1965	39
Sprint	250 CID (4.1L) Chevrolet	1971-1977	54	T60	261 CID (4.3L) Chevrolet	1960-1962	57
Sprint	305 CID (5.0L) Chevrolet	1976	68	T60	366 CID (6.0L) Chevrolet	1966	90
Sprint	307 CID (5.0L) Chevrolet	1971-1973	68	T70	348 CID (5.7L) Chevrolet	1960	85
Sprint	350 CID (5.7L) Carbureted Chevrolet	1971-1977	68	T80	348 CID (5.7L) Chevrolet	1960-1965	85
				T80	366 CID (6.0L) Chevrolet	1966	90
Sprint	400 CID (6.6L) Chevrolet	1974-1976	98	T80	409 CID (6.7L) Chevrolet	1962-1965	85
Sprint	402 CID (6.6L) Chevrolet	1971-1972	101	T1000	98 CID (1.6L) Chevrolet	1981-1987	4
Sprint	454 CID (7.4L) Chevrolet	1971-1975	101	T5500	366 CID (6.0L) Chevrolet	1997-1998	90
Star Chief	287 CID (4.7L) Pontiac	1955	73	T6500	366 CID (6.0L) Chevrolet	1997-1998	90
Star Chief	347 CID (5.7L) General Motors	1957	73	T7500	366 CID (6.0L) Chevrolet	1997-1998	90
Star Chief	370 CID (6.1L) Pontiac	1958	73	T8500	366 CID (6.0L) Chevrolet	1997-1998	90
Star Chief	389 CID (6.4L) Pontiac	1960-1965	95	T	235 CID (3.9L) Chevrolet	1953-1955	53
Star Chief	421 CID (6.9L) Pontiac	1963-1965	104	TE50	327 CID (5.4L) Chevrolet	1967-1968	81
Star Chief Executive	389 CID (6.4L) Pontiac	1966	95	TE50	350 CID (5.7L) Carbureted Chevrolet	1969-1972	68
Starfire	140 CID (2.3L) Chevrolet	1976-1977	21				
Starfire	151 CID (2.5L) Carbureted Pontiac	1978-1980	31	TE50	366 CID (6.0L) Chevrolet	1967-1972	90
				TE60	350 CID (5.7L) Carbureted Chevrolet	1973-1978	68
Starfire	231 CID (3.8L) Carbureted Buick	1975-1980	50				
Starfire	305 CID (5.0L) Chevrolet	1977-1978	68	TE60	366 CID (6.0L) Chevrolet	1967-1978	90
Starfire	394 CID (6.5L) Oldsmobile	1961-1964	93	TE60	427 CID (7.0L) Chevrolet	1968-1972	90
Starfire	425 CID (7.0L) Oldsmobile	1965-1966	99	TE65	366 CID (6.0L) Chevrolet	1973-1978	90
Storm	98 CID (1.6L) LO1 SOHC Isuzu	1990-1993	10	TE65	427 CID (7.0L) Chevrolet	1973-1978	90
Storm	98 CID (1.6L) LW0 DOHC Isuzu	1990-1991	10	TE90	637 CID (10.4L) OHV General Motors	1971-1972	107
Storm	110 CID (1.8L) LV6 DOHC Isuzu	1992-1993	13				
Stylemaster	216 CID (3.5L) Chevrolet	1946	46	TE5500	366 CID (6.0L) Chevrolet	1970-1972	90
Stylus	1809CC (1.8L) 4XF1 DOHC (RLX) Isuzu	1992-1993	13	TE6000	366 CID (6.0L) Chevrolet	1973-1978	90
				TE6500	366 CID (6.0L) Chevrolet	1970-1978	90
Suburban 1500	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2000-2001	74	TE6500	427 CID (7.0L) Chevrolet	1970-1978	90
Suburban 1500	325 CID (5.3L) Vortec 5300 Chevrolet	2000-2005	74	TE9500	637 CID (10.4L) OHV General Motors	1966-1972	107
Suburban 2500	365 CID (6.0L) Vortec 6000 Chevrolet	2000-2005	89	TG50	478 CID (7.8L) General Motors Diesel	1967-1969	61
Suburban 2500	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2005	106	TG60	478 CID (7.8L) General Motors Diesel	1967-1969	61
Sunbird	110 CID (1.8L) LH8 OHC Pontiac	1986	12	TG70	478 CID (7.8L) General Motors Diesel	1966	61
Sunbird	110 CID (1.8L) LA5 OHC Turbo Pontiac	1986	12	TG5500	478 CID (7.8L) General Motors Diesel	1970-1972	61
Sunbird	122 CID (2.0L) OHC Pontiac	1987-1994	22	TG6000	478 CID (7.8L) General Motors Diesel	1973-1974	61
Sunbird	122 CID (2.0L) OHC Turbo Pontiac	1987-1990	22	TG7500	478 CID (7.8L) General Motors Diesel	1965-1969	61
Sunbird	140 CID (2.3L) Chevrolet	1976-1977	21	TG31303	292 CID (4.8L) Chevrolet	1976-1978	60
Sunbird	151 CID (2.5L) Carbureted Pontiac	1977-1980	31	TG31603	292 CID (4.8L) Chevrolet	1976-1978	60
				TJ70	637 CID (10.4L) D General Motors Diesel	1966-1968	107
Sunbird	189 CID (3.1L) Chevrolet	1991-1994	37				
Sunbird	231 CID (3.8L) Carbureted Buick	1976-1980	50	TJ70	637 CID (10.4L) DH General Motors Diesel	1966-1968	107
Sunbird	305 CID (5.0L) Chevrolet	1978-1979	68				
Sunburst	92 CID (1.5L) LC5 Isuzu	1985-1988	5	TJ7500	637 CID (10.4L) D General Motors Diesel	1966-1968	107
Sunburst	92 CID (1.5L) LC0 SOHC Isuzu	1987-1988	5				
Sunfire	134 CID (2.2L) OHV Chevrolet	1995-2002	25	TJ9500	637 CID (10.4L) D General Motors Diesel	1966-1969	107
Sunfire	134 CID (2.2L) L61 DOHC General Motors	2002-2005	23				
Sunfire	138 CID (2.3L) DOHC Oldsmobile	1995	28	TM65	432 CID (7.1L) General Motors	1973-1974	62
Sunfire	146 CID (2.4L) LD9 DOHC Oldsmobile	1996-2002	30	TM75	432 CID (7.1L) General Motors	1973-1974	62
Super	322 CID (5.3L) Buick	1953-1956	69	TM80	432 CID (7.1L) General Motors	1973-1974	62
Super	364 CID (6.0L) Buick	1957-1958	87	TM80	478 CID (7.8L) General Motors	1967-1974	61
Super 88	303 CID (5.0L) Rocket V8 Oldsmobile	1951-1953	77	TM5500	305 CID (5.0L) General Motors	1970-1972	61
				TM5500	351 CID (5.8L) General Motors	1970-1972	61
Super 88	324 CID (5.3L) Rocket V8 Oldsmobile	1954-1956	77	TM6000	305 CID (5.0L) General Motors	1973-1974	61
				TM6000	379 CID (6.2L) General Motors	1973-1974	62
				TM6500	351 CID (5.8L) General Motors	1970-1972	61
				TM6500	379 CID (6.2L) General Motors	1973-1974	62

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
TM6500	432 CID (7.1L) General Motors	1973-1974	62	Transport	231 CID (3.8L) Fuel Injected	1992-1995	51
TM7500	351 CID (5.8L) General Motors	1966-1970	61		Buick		
TM7500	401 CID (6.6L) General Motors	1966-1972	61	Typhoon	262 CID (4.3L) LB4 (ZR9/Z79)	1992-1993	58
TM7500	432 CID (7.1L) General Motors	1973-1974	62		Turbo Chevrolet		
TM7500	478 CID (7.8L) General Motors	1970-1974	61	U	235 CID (3.9L) Chevrolet	1953-1955	53
TM8500	351 CID (5.8L) General Motors	1966-1969	61	UP	235 CID (3.9L) Chevrolet	1951	53
TM8500	401 CID (6.6L) General Motors	1966-1969	61	UR	235 CID (3.9L) Chevrolet	1951	53
TM8500	432 CID (7.1L) General Motors	1973-1974	62	US	235 CID (3.9L) Chevrolet	1951	53
TM8500	478 CID (7.8L) General Motors	1965-1969	61	UV	235 CID (3.9L) Chevrolet	1951	53
TP	235 CID (3.9L) Chevrolet	1950	53	UW	235 CID (3.9L) Chevrolet	1951	53
TR	235 CID (3.9L) Chevrolet	1950	53	UX	235 CID (3.9L) Chevrolet	1951	53
TS40	250 CID (4.1L) Chevrolet	1967-1968	54	UY	235 CID (3.9L) Chevrolet	1951	53
TS50	250 CID (4.1L) Chevrolet	1966	54	V10	262 CID (4.3L) Chevrolet	1987	58
TS5000	292 CID (4.8L) Chevrolet	1970-1971	60	V10	305 CID (5.0L) Chevrolet	1987	68
TS	235 CID (3.9L) Chevrolet	1950	53	V10	350 CID (5.7L) Fuel Injected	1987	68
TV	235 CID (3.9L) Chevrolet	1950	53		Chevrolet		
TW	235 CID (3.9L) Chevrolet	1950	53	V10	379 CID (6.2L) Chevrolet Diesel	1987	94
TX	235 CID (3.9L) Chevrolet	1950	53	V10 Suburban	262 CID (4.3L) Chevrolet	1987-1988	58
TY	235 CID (3.9L) Chevrolet	1950	53	V10 Suburban	305 CID (5.0L) Chevrolet	1987-1988	68
Tahoe	294 CID (4.8L) Vortec 4800 LR4	2000-2005	74	V10 Suburban	350 CID (5.7L) Fuel Injected	1987-1988	68
	Chevrolet				Chevrolet		
Tahoe	325 CID (5.3L) Vortec 5300	2000-2005	74	V10 Suburban	379 CID (6.2L) Chevrolet Diesel	1987-1988	94
	Chevrolet			V20	262 CID (4.3L) Chevrolet	1987	58
Tahoe	325 CID (5.3L) Vortec 5300 L59	2002-2005	74	V20	292 CID (4.8L) Chevrolet	1987	60
	Chevrolet			V20	305 CID (5.0L) Chevrolet	1987	68
Tahoe	350 CID (5.7L) Fuel Injected	1995-2000	68	V20	350 CID (5.7L) Carbureted	1987	68
	Chevrolet				Chevrolet		
Tahoe	395 CID/6468CC (6.5L)	1995-1999	94	V20	350 CID (5.7L) Fuel Injected	1987	68
	Chevrolet Diesel				Chevrolet		
Tempest	121 CID (2.0L) LL8 Chevrolet	1987-1989	19	V20	379 CID (6.2L) Chevrolet Diesel	1987	94
Tempest	134 CID (2.2L) LM3 Chevrolet	1990-1991	19	V20	454 CID (7.4L) Chevrolet	1987	101
Tempest	173 CID (2.8L) Chevrolet	1987-1989	36	V20 Suburban	262 CID (4.3L) Chevrolet	1987-1988	58
Tempest	189 CID (3.1L) Chevrolet	1990-1991	37	V20 Suburban	292 CID (4.8L) Chevrolet	1987-1988	60
Tempest	195 CID (3.2L) Pontiac	1961-1963	34	V20 Suburban	305 CID (5.0L) Chevrolet	1987-1988	68
Tempest	215 CID (3.5L) Aluminum Block	1961-1963	63	V20 Suburban	350 CID (5.7L) Carbureted	1987-1988	68
	& Heads Buick				Chevrolet		
Tempest	215 CID (3.5L) Pontiac	1964-1965	39	V20 Suburban	350 CID (5.7L) Fuel Injected	1987-1988	68
Tempest	230 CID (3.8L) OHC Pontiac	1966-1967	49		Chevrolet		
Tempest	250 CID (4.1L) OHC Pontiac	1968-1969	49	V20 Suburban	379 CID (6.2L) Chevrolet Diesel	1987-1988	94
Tempest	326 CID (5.3L) Pontiac	1963-1967	80	V20 Suburban	454 CID (7.4L) Chevrolet	1987-1988	101
Tempest	350 CID (5.7L) Pontiac	1969-1970	80	V30	292 CID (4.8L) Chevrolet	1987-1988	60
Tempest	421 CID (6.9L) Pontiac	1963	104	V30	305 CID (5.0L) Chevrolet	1987-1988	68
Tempest LeMans	389 CID (6.4L) Pontiac	1964-1966	95	V30	350 CID (5.7L) Carbureted	1987-1988	68
Toronado	231 CID (3.8L) Fuel Injected	1986-1992	51		Chevrolet		
	Buick			V30	350 CID (5.7L) Fuel Injected	1987-1988	68
Toronado	252 CID (4.1L) LC4 Buick	1981-1984	40		Chevrolet		
Toronado	307 CID (5.0L) Oldsmobile	1980-1985	78	V30	379 CID (6.2L) Chevrolet Diesel	1987-1988	94
Toronado	350 CID (5.7L) Oldsmobile	1977-1980	67	V30	454 CID (7.4L) Chevrolet	1987-1988	101
Toronado	350 CID (5.7L) Oldsmobile	1979-1985	66	V60	478 CID (7.8L) General Motors	1965-1966	61
	Diesel				Diesel		
Toronado	403 CID (6.6L) L80 Oldsmobile	1977-1978	102	V1500 Suburban	350 CID (5.7L) Fuel Injected	1989-1991	68
Toronado	425 CID (7.0L) Oldsmobile	1966-1967	99		Chevrolet		
Toronado	455 CID (7.5L) Oldsmobile	1968-1975	99	V1500 Suburban	379 CID (6.2L) Chevrolet Diesel	1989-1991	94
Townsmen	235 CID (3.9L) Chevrolet	1954-1957	53	V1500 Suburban	262 CID (4.3L) Chevrolet	1987	58
Townsmen	265 CID (4.3L) Chevrolet	1955-1957	70				
Townsmen	283 CID (4.6L) Chevrolet	1957	72	V1500 Suburban	305 CID (5.0L) Chevrolet	1987	68
Tracker	97 CID (1.6L) LS5 8 Valve	1989-1995	6				
	Suzuki			V1500 Suburban	350 CID (5.7L) Fuel Injected	1987-1991	68
Tracker	97 CID (1.6L) LO1 16 Valve	1994-2002	6		Chevrolet		
	Suzuki			V1500 Suburban	379 CID (6.2L) Chevrolet Diesel	1987-1991	94
Trail Blazer	254 CID (4.2L) LL8 -Vortec	2002-2005	55				
	4200,DOHC,24v Chevrolet			V1500	262 CID (4.3L) Chevrolet	1987	58
Trail Blazer EXT	254 CID (4.2L) LL8 -Vortec	2003-2005	55				
	4200,DOHC,24v Chevrolet			V1500	305 CID (5.0L) Chevrolet	1987	68
Trail Blazer EXT	325 CID (5.3L) Vortec 5300	2003-2005	74				
	Chevrolet			V1500	350 CID (5.7L) Fuel Injected	1987	68
Transport	189 CID (3.1L) Chevrolet	1990-1995	37		Chevrolet		
Transport	207 CID (3.4L) LA1 Chevrolet	1996-2000	37				

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
V1500	379 CID (6.2L) Chevrolet Diesel	1987	94	Ventura	151 CID (2.5L) Carbureted Pontiac	1977	31
V2500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1989-1991	68	Ventura	231 CID (3.8L) Carbureted Buick	1977	50
V2500 Suburban	379 CID (6.2L) Chevrolet Diesel	1989-1991	94	Ventura	250 CID (4.1L) Chevrolet	1973-1976	54
V2500 Suburban	262 CID (4.3L) Chevrolet	1987	58	Ventura	260 CID (4.3L) LV8 Oldsmobile	1975-1976	67
V2500 Suburban	292 CID (4.8L) Chevrolet	1987-1988	60	Ventura	301 CID (4.9L) Pontiac	1977	71
V2500 Suburban	305 CID (5.0L) Chevrolet	1987	68	Ventura	305 CID (5.0L) Chevrolet	1977	68
V2500 Suburban	350 CID (5.7L) Carbureted Chevrolet	1987-1988	68	Ventura	350 CID (5.7L) Oldsmobile	1977	67
V2500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1987-1991	68	Ventura	350 CID (5.7L) Buick	1974-1976	86
V2500 Suburban	379 CID (6.2L) Chevrolet Diesel	1987-1991	94	Ventura	350 CID (5.7L) Pontiac	1973-1974	80
V2500 Suburban	454 CID (7.4L) Chevrolet	1987-1988	101	Ventura	350 CID (5.7L) Carbureted Chevrolet	1977	68
V2500	262 CID (4.3L) Chevrolet	1987	58	Ventura	389 CID (6.4L) Pontiac	1960-1961	95
V2500	292 CID (4.8L) Chevrolet	1987	60	Ventura II	250 CID (4.1L) Chevrolet	1971	54
V2500	305 CID (5.0L) Chevrolet	1987	68	Ventura II	307 CID (5.0L) Chevrolet	1971	68
V2500	350 CID (5.7L) Carbureted Chevrolet	1987	68	Ventura II	350 CID (5.7L) Pontiac	1972	80
V2500	379 CID (6.2L) Chevrolet Diesel	1987	94	Ventura	207 CID (3.4L) LA1 Chevrolet	1997-2005	37
V2500	454 CID (7.4L) Chevrolet	1987	101	Vista Cruiser	330 CID (5.4L) OHV Oldsmobile	1964-1967	82
V2500	262 CID (4.3L) Chevrolet	1987	58	Vista Cruiser	350 CID (5.7L) Oldsmobile	1968-1975	67
V2500	292 CID (4.8L) Chevrolet	1987	60	Vista Cruiser	455 CID (7.5L) Oldsmobile	1971-1975	99
V2500	305 CID (5.0L) Chevrolet	1987	68	W4	350 CID (5.7L) Fuel Injected Chevrolet	1993-1999	68
V2500	350 CID (5.7L) Carbureted Chevrolet	1987	68	W6	350 CID (5.7L) Carbureted Chevrolet	1979-1980	68
V2500	350 CID (5.7L) Fuel Injected Chevrolet	1987	68	W6	366 CID (6.0L) Chevrolet	1979-1980	90
V2500	379 CID (6.2L) Chevrolet Diesel	1987	94	W6	350 CID (5.7L) Carbureted Chevrolet	1979-1980	68
V2500	454 CID (7.4L) Chevrolet	1987	101	W6	366 CID (6.0L) Chevrolet	1979-1980	90
V3000	305 CID (5.0L) General Motors	1960-1961	61	W7	366 CID (6.0L) Chevrolet	1979-1980	90
V3500	292 CID (4.8L) Chevrolet	1989	60	W7	427 CID (7.0L) Chevrolet	1979-1980	90
V3500	350 CID (5.7L) Fuel Injected Chevrolet	1989-1991	68	W7	366 CID (6.0L) Chevrolet	1979-1980	90
V3500	379 CID (6.2L) Chevrolet Diesel	1989-1991	94	W7	427 CID (7.0L) Chevrolet	1979-1980	90
V3500	454 CID (7.4L) Chevrolet	1989-1991	101	W7	302 CID (5.0L) OHV General Motors	1955-1959	59
V3500	292 CID (4.8L) Chevrolet	1987-1989	60	W450	302 CID (5.0L) OHV General Motors	1952-1954	59
V3500	305 CID (5.0L) General Motors	1960-1961	61	W450-30	324 CID (5.3L) OHV General Motors	1955-1956	79
V3500	305 CID (5.0L) Chevrolet	1987	68	W550	370 CID (6.1L) General Motors	1957-1959	92
V3500	350 CID (5.7L) Carbureted Chevrolet	1987-1988	68	W550	365 CID (6.0L) Vortec 6000 Chevrolet	2004	89
V3500	350 CID (5.7L) Fuel Injected Chevrolet	1987-1991	68	W3500	365 CID (6.0L) Vortec 6000 Chevrolet	2004-2005	89
V3500	379 CID (6.2L) Chevrolet Diesel	1987-1991	94	W3500	365 CID (6.0L) Vortec 6000 Chevrolet	2004	89
V3500	454 CID (7.4L) Chevrolet	1987-1991	101	W4500	365 CID (6.0L) Vortec 6000 Chevrolet	2004-2005	89
V4000	351 CID (5.8L) General Motors	1960-1961	61	W4500	351 CID (5.8L) General Motors	1963-1965	61
V5000	401 CID (6.6L) General Motors	1960-1961	61	W	235 CID (3.9L) Chevrolet	1953-1955	53
V	235 CID (3.9L) Chevrolet	1953-1955	53	W	261 CID (4.3L) Chevrolet	1954-1955	57
V	261 CID (4.3L) Chevrolet	1954-1955	57	WA5000	351 CID (5.8L) General Motors	1960-1962	61
VP	235 CID (3.9L) Chevrolet	1952	53	WA5000	401 CID (6.6L) General Motors	1960-1962	61
VR	235 CID (3.9L) Chevrolet	1952	53	WA5500	401 CID (6.6L) General Motors	1960-1965	61
VS	235 CID (3.9L) Chevrolet	1952	53	WA6500	478 CID (7.8L) General Motors	1964-1965	61
VUE	134 CID (2.2L) L61 DOHC General Motors	2002-2005	23	WE9500	637 CID (10.4L) OHV General Motors	1966-1969	107
VV	235 CID (3.9L) Chevrolet	1952	53	WJ9500	637 CID (10.4L) D General Motors Diesel	1966-1969	107
VW	235 CID (3.9L) Chevrolet	1952	53	WM75	432 CID (7.1L) General Motors	1973-1974	62
VX	235 CID (3.9L) Chevrolet	1952	53	WM80	432 CID (7.1L) General Motors	1973-1974	62
VY	235 CID (3.9L) Chevrolet	1952	53	WM80	478 CID (7.8L) General Motors	1967-1974	61
VZ	235 CID (3.9L) Chevrolet	1952	53	WM7500	401 CID (6.6L) General Motors	1966-1972	61
Vega	122 CID (2.0L) Chevrolet	1975-1976	21	WM7500	432 CID (7.1L) General Motors	1973-1974	62
Vega	140 CID (2.3L) Chevrolet	1971-1977	21	WM7500	478 CID (7.8L) General Motors	1970-1974	61
				WM8500	401 CID (6.6L) General Motors	1966-1969	61
				WM8500	432 CID (7.1L) General Motors	1973-1974	62
				WM8500	478 CID (7.8L) General Motors	1965-1969	61
				WV5000	351 CID (5.8L) General Motors	1960-1962	61

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
WV5000	401 CID (6.6L) General Motors	1960-1962	61	Yukon	350 CID (5.7L) Fuel Injected Chevrolet	1992-2000	68
WV5500	401 CID (6.6L) General Motors	1960-1965	61	Yukon	365 CID (6.0L) Vortec 6000 Chevrolet	1999-2005	89
Wild Cat	401 CID (6.6L) Buick	1964-1966	100	Yukon	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	94
Wild Cat	425 CID (7.0L) Buick	1964-1966	100	Yukon XL 1500	325 CID (5.3L) Vortec 5300 Chevrolet	2000-2005	74
Wild Cat	430 CID (7.0L) Buick	1967-1969	97	Yukon XL 1500	325 CID (5.3L) Vortec 5300 L59 Chevrolet	2003-2005	74
Wild Cat	455 CID (7.5L) Buick	1970	97	Yukon XL 1500	365 CID (6.0L) Vortec 6000 Chevrolet	2001-2005	89
X	235 CID (3.9L) Chevrolet	1953-1955	53	Yukon XL 2500	365 CID (6.0L) Vortec 6000 Chevrolet	2000-2005	89
X	261 CID (4.3L) Chevrolet	1954-1955	57	Yukon XL 2500	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2005	106
XL8	281 CID (4.6L) Cadillac	2004-2005	64	Z	235 CID (3.9L) Chevrolet	1953-1955	53
Y	235 CID (3.9L) Chevrolet	1953-1955	53	Z	261 CID (4.3L) Chevrolet	1954-1955	57
Y	261 CID (4.3L) Chevrolet	1954-1955	57				
Yeoman	235 CID (3.9L) Chevrolet	1958	53				
Yeoman	283 CID (4.6L) Chevrolet	1958	72				
Yeoman	348 CID (5.7L) Chevrolet	1958	85				
Yukon	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2000-2005	74				
Yukon	325 CID (5.3L) Vortec 5300 Chevrolet	2000-2005	74				
Yukon	325 CID (5.3L) Vortec 5300 L59 Chevrolet	2003-2005	74				

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
2AW	3.625in./92.1mm	83	673	3.400in./86.4mm	40	380383	3.385in./86mm	66	568815	3.688in./93.7mm	92
2B	3.625in./92.1mm	88	673	3.400in./86.4mm	38	380383	3.385in./86mm	78	574545	3.688in./93.7mm	93
3B	3.625in./92.1mm	83	763	3.400in./86.4mm	47	380383	3.385in./86mm	56	574545	3.688in./93.7mm	92
6BC	3.625in./92.1mm	83	763	3.400in./86.4mm	50	384759	4.250in./108mm	99	575001	3.688in./93.7mm	93
7H	3.625in./92.1mm	88	763	3.400in./86.4mm	40	397858	3.980in./101.1mm	99	575001	3.688in./93.7mm	92
9T	3.625in./92.1mm	88	763	3.400in./86.4mm	38	398410	3.385in./86mm	67	580255	3.688in./93.7mm	93
11H	3.625in./92.1mm	88	779	3.400in./86.4mm	47	398410	3.385in./86mm	102	580255	3.688in./93.7mm	92
14AL	3.625in./92.1mm	83	779	3.400in./86.4mm	50	398410	3.385in./86mm	66	585470	3.688in./93.7mm	93
25AB	3.625in./92.1mm	83	779	3.400in./86.4mm	40	398410	3.385in./86mm	78	585470	3.688in./93.7mm	92
25AD	3.625in./92.1mm	83	779	3.400in./86.4mm	38	398410	3.385in./86mm	56	838389	3.750in./95.3mm	46
27AD	3.625in./92.1mm	83	875	3.307in./84mm	65	401406	3.980in./101.1mm	99	838389	3.938in./100mm	53
32AH	3.625in./92.1mm	83	942	3.850in./97.8mm	84	401456	3.980in./101.1mm	99	839558	3.750in./95.3mm	46
32AL	3.625in./92.1mm	83	942	3.850in./97.8mm	86	410997	3.385in./86mm	67	839558	3.938in./100mm	53
35AL	3.625in./92.1mm	83	0997	3.385in./86mm	67	410997	3.385in./86mm	102	1162050	3.200in./81.3mm	69
39AM	3.625in./92.1mm	83	0997	3.385in./86mm	102	410997	3.385in./86mm	66	1168325	3.200in./81.3mm	69
43CE	3.625in./92.1mm	83	0997	3.385in./86mm	66	410997	3.385in./86mm	78	1173217	3.400in./86.4mm	87
49AT	3.625in./92.1mm	83	0997	3.385in./86mm	78	410997	3.385in./86mm	56	1185487	3.640in./92.5mm	100
63	3.307in./84mm	65	0997	3.385in./86mm	56	410999	3.980in./101.1mm	99	1186538	3.400in./86.4mm	87
099	3.622in./92mm	65	1491	3.938in./100mm	53	418557	3.438in./87.3mm	77	1193339	2.800in./71.1mm	63
121	3.268in./83mm	74	1491	3.938in./100mm	57	418557	3.438in./87.3mm	79	1240016	3.850in./97.8mm	84
143	3.622in./92mm	74	3217	3.400in./86.4mm	87	499323	3.000in./76.2mm	31	1240016	3.850in./97.8mm	86
201	3.400in./86.4mm	47	5487	3.640in./92.5mm	100	518114	3.250in./82.6mm	73	1241938	3.850in./97.8mm	84
201	3.400in./86.4mm	50	6410	3.938in./100mm	53	518114	3.563in./90.5mm	73	1241938	3.850in./97.8mm	86
201	3.400in./86.4mm	40	6410	3.938in./100mm	57	518115	3.563in./90.5mm	73	1343144	3.200in./81.3mm	69
201	3.400in./86.4mm	38	6538	3.400in./86.4mm	87	528979	3.563in./90.5mm	73	1349431	3.200in./81.3mm	41
205	2.800in./71.1mm	63	8389	3.750in./95.3mm	46	529007	3.750in./95.3mm	80	1357201	3.400in./86.4mm	47
220	3.400in./86.4mm	47	8436	3.250in./82.6mm	33	529238	3.750in./95.3mm	34	1357201	3.400in./86.4mm	50
220	3.400in./86.4mm	50	8436	3.250in./82.6mm	39	529238	3.750in./95.3mm	80	1357201	3.400in./86.4mm	40
220	3.400in./86.4mm	40	8436	3.250in./82.6mm	49	529907	3.563in./90.5mm	73	1357201	3.400in./86.4mm	38
220	3.400in./86.4mm	38	8436	3.531in./89.7mm	49	529907	3.750in./95.3mm	34	1357333	3.400in./86.4mm	47
222	4.060in./103.1mm	91	9420	4.125in./104.8mm	60	529938	3.750in./95.3mm	80	1357333	3.400in./86.4mm	50
222	4.300in./109.2mm	91	9558	3.750in./95.3mm	46	532294	3.563in./90.5mm	73	1357333	3.400in./86.4mm	40
324	3.000in./76.2mm	71	278410A	3.898in./99mm	103	532294	3.750in./95.3mm	34	1357333	3.400in./86.4mm	38
324	3.000in./76.2mm	31	380282	3.385in./86mm	67	532294	3.750in./95.3mm	80	1373496	3.900in./99mm	97
351	3.850in./97.8mm	84	380282	3.385in./86mm	102	541000	3.750in./95.3mm	34	1374562	3.850in./97.8mm	84
351	3.850in./97.8mm	86	380282	3.385in./86mm	66	541000	3.750in./95.3mm	80	1374562	3.850in./97.8mm	86
408	2.660in./67.6mm	38	380282	3.385in./86mm	78	544956	3.750in./95.3mm	34	1374563	3.850in./97.8mm	84
431	3.200in./81.3mm	41	380282	3.385in./86mm	56	544956	3.750in./95.3mm	80	1374563	3.850in./97.8mm	86
461	2.660in./67.6mm	38	380283	3.385in./86mm	67	555645	3.438in./87.3mm	77	1377248	3.400in./86.4mm	47
487	3.640in./92.5mm	100	380283	3.385in./86mm	102	555645	3.438in./87.3mm	79	1377248	3.400in./86.4mm	75
494	3.640in./92.5mm	100	380283	3.385in./86mm	66	559360	3.438in./87.3mm	77	1377248	3.400in./86.4mm	50
561	3.850in./97.8mm	84	380283	3.385in./86mm	78	559360	3.438in./87.3mm	79	1377248	3.400in./86.4mm	40
561	3.850in./97.8mm	86	380283	3.385in./86mm	56	559361	3.438in./87.3mm	77	1377248	3.400in./86.4mm	38
673	3.400in./86.4mm	47	380383	3.385in./86mm	67	559361	3.438in./87.3mm	79	1385363	3.900in./99mm	97
673	3.400in./86.4mm	50	380383	3.385in./86mm	102	568815	3.688in./93.7mm	93	2135419	4.000in./101.6mm	59

GENERAL MOTORS CORP. (Cont.)

CONNECTING ROD FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
2341204	3.813in./96.9mm	48	3702448	3.938in./100mm	53	3815281	3.250in./82.6mm	68	3856240	3.766in./95.7mm	90
2341204	4.000in./101.6mm	59	3702448	3.938in./100mm	57	3817209	2.593in./65.9mm	35	3856240	4.000in./101.6mm	101
2389554	3.578in./90.8mm	61	3703526	3.000in./76.2mm	70	3817209	2.938in./74.6mm	35	3856240	3.766in./95.7mm	101
2389554	3.578in./90.8mm	108	3703526	3.000in./76.2mm	72	3817294	2.593in./65.9mm	35	3892671	3.484in./88.5mm	68
2434826	3.578in./90.8mm	61	3703526	3.250in./82.6mm	81	3817294	2.938in./74.6mm	35	3916396	3.484in./88.5mm	68
2434826	3.578in./90.8mm	108	3703526	3.000in./76.2mm	76	3817297	2.593in./65.9mm	35	3923282	3.484in./88.5mm	68
2448949	3.578in./90.8mm	61	3703526	3.250in./82.6mm	68	3817297	2.938in./74.6mm	35	3933174	3.766in./95.7mm	90
2448949	3.859in./98mm	61	3703527	3.000in./76.2mm	70	3819695	2.593in./65.9mm	35	3933174	4.000in./101.6mm	101
2448949	3.859in./98mm	62	3703527	3.000in./76.2mm	72	3819695	2.938in./74.6mm	35	3933174	3.766in./95.7mm	101
2470891	3.578in./90.8mm	61	3703527	3.250in./82.6mm	81	3835184	3.750in./95.3mm	46	3946841	3.484in./88.5mm	68
2470891	3.578in./90.8mm	108	3703527	3.000in./76.2mm	76	3835184	3.938in./100mm	53	3951629	3.750in./95.3mm	98
2474281	3.578in./90.8mm	61	3703527	3.250in./82.6mm	68	3835274	3.750in./95.3mm	46	3977110	3.250in./82.6mm	39
2474281	3.578in./90.8mm	108	3732717	3.250in./82.6mm	85	3835274	3.938in./100mm	53	3977110	3.531in./89.7mm	54
2474281	3.859in./98mm	61	3732717	3.500in./88.9mm	85	3835324	3.750in./95.3mm	46	3977110	3.625in./92.1mm	21
2474281	3.859in./98mm	62	3784000	3.000in./76.2mm	70	3835324	3.938in./100mm	53	5121248	4.500in./114.3mm	2
2477425	3.578in./90.8mm	61	3784000	3.000in./76.2mm	72	3835609	3.750in./95.3mm	46	5150059	3.813in./96.9mm	48
2477425	3.578in./90.8mm	108	3784000	3.250in./82.6mm	81	3835609	3.938in./100mm	53	5150059	4.000in./101.6mm	59
2484084	3.859in./98mm	61	3784000	3.000in./76.2mm	76	3836410	3.938in./100mm	53	6107428	3.813in./96.9mm	48
2484084	3.859in./98mm	107	3784000	3.250in./82.6mm	68	3836410	3.938in./100mm	57	6107428	4.000in./101.6mm	59
2484084	3.859in./98mm	62	3788435	3.250in./82.6mm	33	3836456	3.938in./100mm	53	6255633	4.000in./101.6mm	59
3185281	3.250in./82.6mm	81	3788435	3.250in./82.6mm	39	3836456	3.938in./100mm	57	6255633	2.593in./65.9mm	35
3185281	3.250in./82.6mm	68	3788435	3.531in./89.7mm	54	3836671	3.938in./100mm	53	6255633	2.938in./74.6mm	35
3508419	3.625in./92.1mm	83	3788435	3.250in./82.6mm	49	3836671	3.938in./100mm	57	9793328	3.250in./82.6mm	39
3508991	3.625in./92.1mm	83	3788435	3.531in./89.7mm	49	3836964	3.938in./100mm	53	9793328	3.531in./89.7mm	54
3509004	3.625in./92.1mm	83	3788437	3.250in./82.6mm	39	3836964	3.938in./100mm	57	9793328	3.250in./82.6mm	49
3509547	3.625in./92.1mm	83	3788437	3.531in./89.7mm	54	3837149	3.250in./82.6mm	33	9793328	3.531in./89.7mm	49
3510082	3.625in./92.1mm	88	3788437	3.250in./82.6mm	49	3837419	3.250in./82.6mm	33	14018716	2.913in./74.4mm	15
3511503	3.875in./98.4mm	96	3788437	3.531in./89.7mm	49	3837419	3.250in./82.6mm	39	25509405	3.400in./86.4mm	47
3513058	3.875in./98.4mm	96	3789419	4.125in./104.8mm	60	3837419	3.531in./89.7mm	54	25509405	3.400in./86.4mm	50
3513058	4.000in./101.6mm	105	3789422	4.125in./104.8mm	60	3837419	3.250in./82.6mm	49	25509405	3.400in./86.4mm	40
3633111	4.060in./103.1mm	91	3795624	3.250in./82.6mm	85	3837419	3.531in./89.7mm	49	25509405	3.400in./86.4mm	38
3633111	4.300in./109.2mm	91	3795624	3.500in./88.9mm	85	3837686	3.250in./82.6mm	85	B7B	2.800in./71.1mm	63
3701491	3.938in./100mm	53	3815281	3.000in./76.2mm	70	3837686	3.500in./88.9mm	85	YC115	3.250in./82.6mm	73
3701491	3.938in./100mm	57	3815281	3.000in./76.2mm	72	3856239	3.766in./95.7mm	90	ZN115	3.563in./90.5mm	73
3701890	3.750in./95.3mm	46	3815281	3.250in./82.6mm	81	3856239	4.000in./101.6mm	101			
3701890	3.938in./100mm	53	3815281	3.000in./76.2mm	76	3856239	3.766in./95.7mm	101			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
0-191561	3.500in./88.9mm	85	4AL	2.598in./66mm	4	017	3.000in./76.2mm	32	90TM-AA	3.031in./77mm	1
1.9	3.484in./88.5mm	58	4AL	3.031in./77mm	8	17M	2.992in./76mm	4	90TM-AB	3.031in./77mm	1
1.9	3.150in./80mm	19	4XC-U	3.438in./87.3mm	77	30R	3.250in./82.6mm	68	91A-6303-A	3.031in./77mm	1
1A	3.228in./82mm	18	4XC-UT	3.438in./87.3mm	77	30R	3.150in./80mm	20	91A-6303-B	3.031in./77mm	1
1AA	3.228in./82mm	18	4XCU	3.438in./87.3mm	77	31-87	3.250in./82.6mm	68	91H-6303-B	3.031in./77mm	1
2 MAE	3.228in./82mm	18	4XCUT	3.438in./87.3mm	77	31-87	3.150in./80mm	20	91K	3.031in./77mm	1
2MAE	3.228in./82mm	18	4ZE1	3.438in./87.3mm	77	31M	3.250in./82.6mm	68	91TM-AA	3.031in./77mm	1
2NABC	3.250in./82.6mm	68	5 E	3.438in./87.3mm	77	31M	3.150in./80mm	20	96TM-AA	3.622in./92mm	27
2NABC	3.150in./80mm	20	6-H	3.150in./80mm	20	40F	2.598in./66mm	4	97TM-	3.622in./92mm	27
2Y68-76	3.250in./82.6mm	68	6-H	3.031in./77mm	1	40F	3.031in./77mm	8	140N	2.992in./76mm	4
2Y68-76	3.150in./80mm	20	6M	3.150in./80mm	20	45-T	2.598in./66mm	4	143	3.484in./88.5mm	42
3A	2.972in./75.5mm	3	6M	3.031in./77mm	1	45-T	3.031in./77mm	8	143	3.484in./88.5mm	58
3AC	2.972in./75.5mm	3	7HA	3.150in./80mm	20	74TM	3.150in./80mm	20	147	3.484in./88.5mm	42
3AH	2.972in./75.5mm	3	7HA	3.031in./77mm	1	74TM	3.031in./77mm	1	147	3.484in./88.5mm	58
3B	2.972in./75.5mm	3	7HA-6303	3.150in./80mm	20	76TM	3.150in./80mm	20	176H	2.992in./76mm	4
3E	2.972in./75.5mm	3	7HA-6303	3.031in./77mm	1	76TM	3.031in./77mm	1	188A	3.228in./82mm	18
3H	2.972in./75.5mm	3	8F28	3.150in./80mm	19	77A	3.150in./80mm	20	202B	3.228in./82mm	18
003K	3.484in./88.5mm	58	8HA	3.150in./80mm	19	77A	3.031in./77mm	1	264	2.992in./76mm	36
003K	3.150in./80mm	19	8HA-6303	3.150in./80mm	19	78TM	3.150in./80mm	20	264	2.992in./76mm	37
3KC	2.972in./75.5mm	3	8MTH	3.150in./80mm	19	78TM	3.031in./77mm	1	275	2.660in./67.6mm	38
003N	3.484in./88.5mm	58	09N	3.484in./88.5mm	58	78TM-CA	3.150in./80mm	20	0363	4.125in./104.8mm	60
003N	3.150in./80mm	19	09N	3.150in./80mm	19	78TM-CA	3.031in./77mm	1	381	3.000in./76.2mm	31
3SF	2.972in./75.5mm	3	10-B	3.484in./88.5mm	58	81-K	3.150in./80mm	20	381	3.000in./76.2mm	32
3YA	2.598in./66mm	4	10-B	3.150in./80mm	19	81-K	3.031in./77mm	1	390	3.000in./76.2mm	31
3YA	3.031in./77mm	8	11M	2.992in./76mm	4	82TM	3.150in./80mm	19	390	3.000in./76.2mm	32
4A	2.598in./66mm	4	11M	3.484in./88.5mm	58	82TM-HAA	3.150in./80mm	19	404	2.660in./67.6mm	38
4A	3.031in./77mm	8	11M	3.150in./80mm	19	86TM-BA	3.150in./80mm	19	407N	2.598in./66mm	4
4AC	2.598in./66mm	4	11M-14	2.992in./76mm	4	88TM-BA	3.150in./80mm	19	407N	3.031in./77mm	8
4AC	3.031in./77mm	8	017	3.000in./76.2mm	31	90-21-0	3.031in./77mm	1	504	2.992in./76mm	36

GENERAL MOTORS CORP. (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
504	2.992in./76mm	37	8767	2.660in./67.6mm	38	381919	3.385in./86mm	56	541585	3.750in./95.3mm	80
508E-6303	3.438in./87.3mm	77	9115	3.766in./95.7mm	90	384722	3.980in./101.1mm	99	542239	3.750in./95.3mm	34
684	3.000in./76.2mm	31	9115	3.766in./95.7mm	101	388766	3.385in./86mm	67	542990	4.000in./101.6mm	104
684	3.000in./76.2mm	32	9116N	2.598in./66mm	4	388766	3.385in./86mm	102	544100	3.750in./95.3mm	34
726N	3.484in./88.5mm	42	9166N	3.031in./77mm	1	388766	3.385in./86mm	66	544191	3.750in./95.3mm	80
726N	3.484in./88.5mm	58	12231	3.578in./90.8mm	61	388766	3.385in./86mm	78	555638	3.438in./87.3mm	77
732	2.660in./67.6mm	38	13111-03010-D	2.992in./76mm	4	388766	3.385in./86mm	56	555699	3.438in./87.3mm	77
771	3.000in./76.2mm	31	020201A1	3.484in./88.5mm	58	390275	3.385in./86mm	67	556607	3.385in./86mm	67
771	3.000in./76.2mm	32	020201A1	3.150in./80mm	19	390275	3.385in./86mm	102	556607	3.385in./86mm	102
777	3.000in./76.2mm	31	90003C	3.150in./80mm	19	390275	3.385in./86mm	66	556607	3.385in./86mm	66
777	3.000in./76.2mm	32	97954	3.750in./95.3mm	80	390275	3.385in./86mm	78	556607	3.385in./86mm	78
817	2.992in./76mm	37	103427	3.750in./95.3mm	80	390275	3.385in./86mm	56	556607	3.385in./86mm	56
0819	3.500in./88.9mm	85	135411	3.484in./88.5mm	42	390370	3.980in./101.1mm	99	558711	3.385in./86mm	66
851M	3.150in./80mm	19	135411	3.484in./88.5mm	58	391101A	3.250in./82.6mm	81	559432	3.438in./87.3mm	77
981	3.307in./84mm	37	230276	3.385in./86mm	67	391101A	3.250in./82.6mm	68	559432	3.438in./87.3mm	79
1130	3.250in./82.6mm	81	230276	3.385in./86mm	102	393654	3.385in./86mm	67	561656	3.438in./87.3mm	77
1130	3.250in./82.6mm	68	230276	3.385in./86mm	66	393654	3.385in./86mm	102	561656	3.438in./87.3mm	79
1140N	2.992in./76mm	4	230276	3.385in./86mm	78	393654	3.385in./86mm	66	562746	3.688in./93.7mm	93
1174N	3.484in./88.5mm	58	230276	3.385in./86mm	56	393654	3.385in./86mm	78	562746	3.688in./93.7mm	92
1174N	3.150in./80mm	19	230277	3.400in./86.4mm	47	393654	3.385in./86mm	56	565524DYNA	3.438in./87.3mm	77
1178	3.000in./76.2mm	70	230277	3.400in./86.4mm	50	395654	3.385in./86mm	67	565624	3.438in./87.3mm	77
1178	3.000in./76.2mm	72	230277	3.400in./86.4mm	40	395654	3.385in./86mm	102	565624	3.438in./87.3mm	79
1178	3.250in./82.6mm	81	230277	3.400in./86.4mm	38	395654	3.385in./86mm	66	565624DYNA	3.438in./87.3mm	77
1178	3.000in./76.2mm	76	230278	3.400in./86.4mm	47	395654	3.385in./86mm	78	565624DYNA	3.438in./87.3mm	79
1178	3.250in./82.6mm	68	230278	3.400in./86.4mm	50	395654	3.385in./86mm	56	565699	3.438in./87.3mm	77
1182	3.250in./82.6mm	81	230278	3.400in./86.4mm	40	397303	4.250in./108mm	99	565699	3.438in./87.3mm	79
1182	3.484in./88.5mm	68	230278	3.400in./86.4mm	38	397363	4.250in./108mm	99	565699	3.688in./93.7mm	93
1354N	3.484in./88.5mm	42	230331	4.250in./108mm	99	398261	3.385in./86mm	67	565699	3.688in./93.7mm	92
1354N	3.484in./88.5mm	58	230376	3.385in./86mm	67	398261	3.385in./86mm	102	567405	3.438in./87.3mm	77
2670	3.150in./80mm	12	230376	3.100in./78.7mm	68	398261	3.385in./86mm	66	567405	3.438in./87.3mm	79
2680	3.250in./82.6mm	81	230376	3.385in./86mm	102	398261	3.385in./86mm	78	567943	3.438in./87.3mm	77
2680	3.250in./82.6mm	68	230376	3.385in./86mm	66	398261	3.385in./86mm	56	567943	3.438in./87.3mm	79
2690	3.484in./88.5mm	68	230376	3.385in./86mm	78	398261	3.385in./86mm	67	568812	3.688in./93.7mm	93
3278N	3.150in./80mm	20	230376	3.385in./86mm	56	398621	3.385in./86mm	102	568812	3.688in./93.7mm	92
3279	3.000in./76.2mm	70	230377	4.250in./108mm	99	398621	3.385in./86mm	66	574440	3.688in./93.7mm	93
3279	3.000in./76.2mm	72	230378	3.400in./86.4mm	47	398621	3.385in./86mm	78	574440	3.688in./93.7mm	92
3279	3.250in./82.6mm	81	230378	4.250in./108mm	99	398621	3.385in./86mm	56	574544	3.688in./93.7mm	93
3279	3.000in./76.2mm	76	230378	3.400in./86.4mm	50	400934	4.250in./108mm	99	574544	3.688in./93.7mm	92
3279	3.250in./82.6mm	68	230378	3.400in./86.4mm	40	403707	4.250in./108mm	99	577440	3.688in./93.7mm	93
3281N	3.250in./82.6mm	68	230378	3.400in./86.4mm	38	405954	4.250in./108mm	99	577440	3.688in./93.7mm	92
3281N	3.150in./80mm	20	230905	3.385in./86mm	67	418882	3.385in./86mm	67	582740	3.688in./93.7mm	93
3521	4.000in./101.6mm	101	230905	3.385in./86mm	102	418882	3.385in./86mm	102	582740	3.688in./93.7mm	92
4196N	2.598in./66mm	4	230905	3.385in./86mm	66	418882	3.385in./86mm	66	582746	3.688in./93.7mm	93
4196N	3.031in./77mm	8	230905	3.385in./86mm	78	418882	3.385in./86mm	78	582746	3.688in./93.7mm	92
4577	3.250in./82.6mm	81	230905	3.385in./86mm	56	418882	3.385in./86mm	56	584722	3.980in./101.1mm	99
4577	3.250in./82.6mm	68	230907	4.250in./108mm	99	460407	3.531in./89.7mm	54	651827	3.578in./90.8mm	61
4653	4.125in./104.8mm	60	230908	4.250in./108mm	99	460407	3.531in./89.7mm	49	672016	3.859in./98mm	61
4672	3.250in./82.6mm	81	306275	3.484in./88.5mm	68	477440	3.688in./93.7mm	93	672016	3.859in./98mm	62
4672	3.250in./82.6mm	68	306276	3.484in./88.5mm	68	477440	3.688in./93.7mm	92	839111	3.750in./95.3mm	46
4813	3.750in./95.3mm	80	310514	3.484in./88.5mm	68	480407	3.531in./89.7mm	54	839750	3.938in./100mm	53
5607	2.938in./74.6mm	35	329880N	3.250in./82.6mm	68	481379	3.750in./95.3mm	80	839775	3.750in./95.3mm	46
6223	3.766in./95.7mm	90	329880N	3.150in./80mm	20	481380	3.750in./95.3mm	80	883550	4.000in./101.6mm	59
6223	3.766in./95.7mm	101	353039	4.000in./101.6mm	101	493654	3.750in./95.3mm	80	887652N	3.150in./80mm	19
6764	3.000in./76.2mm	70	354431	3.100in./78.7mm	68	496452	3.750in./95.3mm	34	1173217	3.400in./86.4mm	87
6764	3.000in./76.2mm	72	359730	4.000in./101.6mm	101	496452	3.750in./95.3mm	80	1173341	3.400in./86.4mm	87
6764	3.000in./76.2mm	76	378354	3.400in./86.4mm	47	496453	4.000in./101.6mm	104	1185539	3.640in./92.5mm	100
7115	3.766in./95.7mm	90	378354	3.400in./86.4mm	50	499311	3.000in./76.2mm	31	1186538	3.400in./86.4mm	87
7115	3.766in./95.7mm	101	378354	3.400in./86.4mm	40	518047	3.250in./82.6mm	73	1193645	2.800in./71.1mm	63
7184N	2.992in./76mm	4	378354	3.400in./86.4mm	38	521601	3.250in./82.6mm	73	1235413	3.160in./80.3mm	43
7243N	3.150in./80mm	20	381269	3.385in./86mm	67	521602	3.250in./82.6mm	73	1235419	3.850in./97.8mm	84
7243N	3.031in./77mm	1	381269	3.385in./86mm	102	523206	3.563in./90.5mm	73	1235419	3.385in./86mm	67
7248N	3.150in./80mm	20	381269	3.385in./86mm	66	525887	3.000in./76.2mm	71	1235419	3.850in./97.8mm	86
7293	2.938in./74.6mm	35	381269	3.385in./86mm	78	528527	3.563in./90.5mm	73	1235419	3.385in./86mm	102
7416	4.000in./101.6mm	101	381269	3.385in./86mm	56	530048	3.563in./90.5mm	73	1235419	3.385in./86mm	66
8409	2.593in./65.9mm	35	381919	3.385in./86mm	67	531369	3.563in./90.5mm	73	1235419	3.385in./86mm	78
8424	3.250in./82.6mm	39	381919	3.385in./86mm	102	531369	3.750in./95.3mm	80	1235419	3.385in./86mm	56
8424	3.250in./82.6mm	49	381919	3.385in./86mm	66	539000	3.750in./95.3mm	34	1254083	3.400in./86.4mm	47
8705N	2.913in./74mm	15	381919	3.385in./86mm	78	539732	3.750in./95.3mm	34	1254083	3.400in./86.4mm	50

GENERAL MOTORS CORP. (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1254083	3.400in./86.4mm	40	1378436	3.850in./97.8mm	86	2491012	4.000in./101.6mm	59	3824554	3.500in./88.9mm	85
1254083	3.400in./86.4mm	38	1379242	3.900in./99mm	97	2566209	3.578in./90.8mm	61	3826271	3.938in./100mm	53
1255645	3.400in./86.4mm	47	1396294	3.640in./92.5mm	100	2774220	4.125in./104.8mm	60	3828409	2.938in./74.6mm	35
1255645	3.400in./86.4mm	50	1398346	3.385in./86mm	67	2774220N	4.125in./104.8mm	60	3829027	3.500in./88.9mm	85
1255645	3.400in./86.4mm	40	1398346	3.385in./86mm	102	2867417	3.578in./90.8mm	61	3832442	3.484in./88.5mm	68
1255645	3.400in./86.4mm	38	1398346	3.385in./86mm	66	3298880N	4.125in./104.8mm	60	3835236TG	3.000in./76.2mm	70
1255646	3.400in./86.4mm	47	1398346	3.385in./86mm	78	3299990	4.125in./104.8mm	60	3835236TG	3.000in./76.2mm	72
1255646	3.400in./86.4mm	50	1398346	3.385in./86mm	56	3299990N	4.125in./104.8mm	60	3835236TG	3.000in./76.2mm	76
1255646	3.400in./86.4mm	40	1455101	3.625in./92.1mm	83	3509574	3.625in./92.1mm	83	3835271	3.750in./95.3mm	46
1255646	3.400in./86.4mm	38	1462473	3.625in./92.1mm	83	3520090	3.622in./92mm	65	3835311	3.938in./100mm	53
1255674	3.400in./86.4mm	47	1463340	3.625in./92.1mm	88	3660345	3.938in./100mm	53	3835501	3.938in./100mm	53
1255674	3.400in./86.4mm	50	1463473	3.625in./92.1mm	83	3701486	3.938in./100mm	53	3835709	3.938in./100mm	53
1255674	3.400in./86.4mm	40	1467292	4.060in./103.1mm	91	3701486	3.938in./100mm	57	3835709PG	3.938in./100mm	53
1255674	3.400in./86.4mm	38	1467925	3.875in./98.4mm	96	3701488	3.938in./100mm	53	3836144	3.766in./95.7mm	90
1255846	3.400in./86.4mm	47	1469263	3.875in./98.4mm	96	3701488	3.938in./100mm	57	3836144	3.766in./95.7mm	101
1255846	3.400in./86.4mm	50	1469265	3.875in./98.4mm	96	3701488-A	3.938in./100mm	53	3836236	3.000in./76.2mm	70
1255846	3.400in./86.4mm	40	1477634	3.875in./98.4mm	96	3701488-A	3.938in./100mm	57	3836236	3.000in./76.2mm	72
1255846	3.400in./86.4mm	38	1481021	4.000in./101.6mm	105	3701894	3.938in./100mm	53	3836236	3.000in./76.2mm	76
1255862	3.400in./86.4mm	47	1481267	4.000in./101.6mm	105	3701894	3.938in./100mm	57	3836266	3.000in./76.2mm	70
1255862	3.400in./86.4mm	50	1486340	4.000in./101.6mm	105	3726271	3.750in./95.3mm	46	3836266	3.000in./76.2mm	72
1255862	3.400in./86.4mm	40	1486424	4.060in./103.1mm	91	3727449	3.000in./76.2mm	70	3836266	3.000in./76.2mm	76
1255862	3.400in./86.4mm	38	1488340	4.000in./101.6mm	105	3727449	3.000in./76.2mm	72	3836271	3.750in./95.3mm	46
1257125	3.400in./86.4mm	47	1495094	4.300in./109.2mm	91	3727449	3.000in./76.2mm	76	3837266	3.000in./76.2mm	70
1257125	3.400in./86.4mm	50	1495095	4.300in./109.2mm	91	3727499	3.000in./76.2mm	70	3837266	3.000in./76.2mm	72
1257125	3.400in./86.4mm	40	1496793	4.300in./109.2mm	91	3727499	3.000in./76.2mm	72	3837266	3.000in./76.2mm	76
1257125	3.400in./86.4mm	38	1609142R	4.060in./103.1mm	91	3727499	3.000in./76.2mm	76	3837466	3.500in./88.9mm	85
1260718	3.850in./97.8mm	84	1617590	3.307in./84mm	65	3729449	3.000in./76.2mm	70	3838266	3.000in./76.2mm	70
1260718	3.850in./97.8mm	86	1629091	3.307in./84mm	65	3729449	3.000in./76.2mm	72	3838266	3.000in./76.2mm	72
1260877	3.400in./86.4mm	47	1646737	3.307in./84mm	65	3729449	3.000in./76.2mm	76	3838266	3.000in./76.2mm	76
1260877	3.400in./86.4mm	50	1802224C92	2.992in./76mm	4	3732444	3.484in./88.5mm	68	3838396	3.500in./88.9mm	85
1260877	3.400in./86.4mm	40	1802224C93	2.992in./76mm	4	3732692	3.250in./82.6mm	85	3849847	3.000in./76.2mm	70
1260877	3.400in./86.4mm	38	1803420C1	2.992in./76mm	4	3733223	3.250in./82.6mm	85	3849847	3.000in./76.2mm	72
1261119	3.850in./97.8mm	84	1805420C1	2.992in./76mm	4	3733226	3.250in./82.6mm	85	3849847	3.000in./76.2mm	76
1261119	3.850in./97.8mm	86	1805420C1	3.228in./82mm	18	3734627	3.000in./76.2mm	70	3855914	4.125in./104.8mm	60
1261438	3.400in./86.4mm	47	1809954C1	3.228in./82mm	18	3734627	3.000in./76.2mm	72	3855914	3.531in./89.7mm	54
1261438	3.400in./86.4mm	50	1812320C91	3.228in./82mm	18	3734627	3.000in./76.2mm	76	3855914	3.531in./89.7mm	49
1261438	3.400in./86.4mm	40	1816975C1	3.228in./82mm	18	3735236	3.000in./76.2mm	70	3855914N	4.125in./104.8mm	60
1261438	3.400in./86.4mm	38	2090911	4.000in./101.6mm	59	3735236	3.000in./76.2mm	72	3863144	3.766in./95.7mm	90
1261787	3.400in./86.4mm	47	2135416	4.000in./101.6mm	59	3735236	3.000in./76.2mm	76	3863144	3.766in./95.7mm	101
1261787	3.400in./86.4mm	50	2136119	4.000in./101.6mm	59	3741640	3.250in./82.6mm	85	3864465	3.250in./82.6mm	39
1261787	3.400in./86.4mm	40	2144958	3.813in./96.9mm	48	3741642	3.250in./82.6mm	85	3864465	3.250in./82.6mm	49
1261787	3.400in./86.4mm	38	2191127	3.813in./96.9mm	48	3770324	3.938in./100mm	53	3874874	3.766in./95.7mm	90
1342999	3.200in./81.3mm	69	2192941	4.000in./101.6mm	59	3770324	3.938in./100mm	57	3874874	3.766in./95.7mm	101
1349429	3.200in./81.3mm	41	2194012	4.000in./101.6mm	59	3770327	3.938in./100mm	53	3876764	3.000in./76.2mm	70
1349929	3.200in./81.3mm	41	2194570	4.000in./101.6mm	59	3770327	3.938in./100mm	57	3876764	3.000in./76.2mm	72
1357898	3.400in./86.4mm	47	2194958	4.000in./101.6mm	59	3782680	3.250in./82.6mm	81	3876764	3.000in./76.2mm	76
1357898	3.400in./86.4mm	50	2253120	3.346in./85mm	28	3782690	3.250in./82.6mm	81	3876768	3.000in./76.2mm	70
1357898	3.400in./86.4mm	40	2253120	3.346in./85mm	29	3788072	3.500in./88.9mm	85	3876768	3.000in./76.2mm	72
1357898	3.400in./86.4mm	38	2342204	4.000in./101.6mm	59	3788423	3.250in./82.6mm	39	3876768	3.000in./76.2mm	76
1357899	3.400in./86.4mm	75	2342664	4.000in./101.6mm	59	3788423	3.250in./82.6mm	49	3876802	3.531in./89.7mm	54
1361798	3.640in./92.5mm	100	2362229	4.000in./101.6mm	59	3788424	3.250in./82.6mm	39	3876802	3.531in./89.7mm	49
1375802	3.385in./86mm	67	2364417	3.578in./90.8mm	61	3788424	3.250in./82.6mm	49	3876804	3.531in./89.7mm	54
1375802	3.385in./86mm	102	2366209	3.578in./90.8mm	61	3788428	3.250in./82.6mm	39	3876840	3.531in./89.7mm	54
1375802	3.385in./86mm	66	2366210	3.578in./90.8mm	108	3788428	3.250in./82.6mm	49	3876840	3.531in./89.7mm	49
1375802	3.385in./86mm	78	2367417	3.578in./90.8mm	61	3788522	3.250in./82.6mm	33	3879412	4.125in./104.8mm	60
1375802	3.385in./86mm	56	2404929	4.000in./101.6mm	59	3789412	4.125in./104.8mm	60	3882841	3.750in./95.3mm	98
1375809	3.850in./97.8mm	84	2419583	3.859in./98mm	61	3793080	3.250in./82.6mm	33	3882842	3.766in./95.7mm	90
1375809	3.850in./97.8mm	86	2419583	3.859in./98mm	62	3793082	3.250in./82.6mm	33	3882842	3.766in./95.7mm	101
1378350	3.400in./86.4mm	75	2454001	3.578in./90.8mm	61	3793082N	3.250in./82.6mm	33	3882847	3.766in./95.7mm	90
1378351	3.400in./86.4mm	47	2454017	3.578in./90.8mm	61	3795589	3.500in./88.9mm	85	3882847	3.766in./95.7mm	101
1378351	3.400in./86.4mm	50	2454066	3.859in./98mm	107	3804816	3.766in./95.7mm	90	3882848	3.766in./95.7mm	90
1378351	3.400in./86.4mm	40	2454191	3.578in./90.8mm	61	3804816	3.766in./95.7mm	101	3882848	3.766in./95.7mm	101
1378351	3.400in./86.4mm	38	2454192	3.578in./90.8mm	61	3815822	3.250in./82.6mm	81	3882849	3.766in./95.7mm	90
1378354	3.400in./86.4mm	47	2475494	3.578in./90.8mm	61	3817293	2.593in./65.9mm	35	3882849	3.766in./95.7mm	101
1378354	3.400in./86.4mm	50	2475793	3.578in./90.8mm	61	3820618	3.250in./82.6mm	39	3884653	4.125in./104.8mm	60
1378354	3.400in./86.4mm	40	2475794	3.578in./90.8mm	61	3820618	3.250in./82.6mm	49	3886061	4.125in./104.8mm	60
1378354	3.400in./86.4mm	38	2475795	3.578in./90.8mm	61	3824544	3.250in./82.6mm	85	3887114	3.766in./95.7mm	90
1378436	3.850in./97.8mm	84	2475796	3.578in./90.8mm	61	3824553	3.250in./82.6mm	85	3887114	3.766in./95.7mm	101

GENERAL MOTORS CORP. (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3899424	3.250in./82.6mm	39	3962523	4.000in./101.6mm	101	9782769	4.000in./101.6mm	104	25514290	3.400in./86.4mm	38
3904815	3.766in./95.7mm	90	3963523	4.000in./101.6mm	101	9782770	3.750in./95.3mm	80	25520329	3.400in./86.4mm	47
3904815	3.766in./95.7mm	101	3963524	4.000in./101.6mm	101	9783785	3.750in./95.3mm	80	25520329	3.400in./86.4mm	50
3904816	3.766in./95.7mm	90	3967463	4.000in./101.6mm	101	9783786	3.750in./95.3mm	80	25520329	3.400in./86.4mm	40
3904816	3.766in./95.7mm	101	3975945	4.000in./101.6mm	101	9783787	4.000in./101.6mm	104	25520329	3.400in./86.4mm	38
3910362	4.125in./104.8mm	60	3977109	3.625in./92.1mm	21	9790154	3.531in./89.7mm	54	90156143	3.150in./80mm	12
3910363	4.125in./104.8mm	60	3994226	3.625in./92.1mm	21	9793573	3.750in./95.3mm	34	210008832	3.540in./89.9mm	17
3911000	3.250in./82.6mm	81	3994227	3.625in./92.1mm	21	9793573	3.750in./95.3mm	80	A1D	3.622in./92mm	27
3911000	3.250in./82.6mm	68	4686749	3.484in./88.5mm	68	9794054	3.750in./95.3mm	80	A301	3.622in./92mm	27
3911001	3.250in./82.6mm	81	4993111	3.000in./76.2mm	31	9795479	3.750in./95.3mm	80	A-6303	3.622in./92mm	27
3911001	3.250in./82.6mm	68	4993111	3.000in./76.2mm	32	9799103	4.210in./106.9mm	104	A-6303-A	3.622in./92mm	27
3911011	3.250in./82.6mm	81	5116022	4.500in./114.3mm	2	12552216	3.622in./92mm	74	AD	3.622in./92mm	27
3911011	3.250in./82.6mm	68	5116029	4.500in./114.3mm	2	12553482	3.268in./83mm	74	AY	3.622in./92mm	27
3912335	3.484in./88.5mm	68	5132942	4.000in./101.6mm	59	14018705	2.913in./74mm	15	B301	3.622in./92mm	27
3914681	3.250in./82.6mm	81	5743013	3.250in./82.6mm	39	14024236	3.819in./97mm	94	BP	3.228in./82mm	16
3914681	3.250in./82.6mm	68	5743014	3.250in./82.6mm	33	25505554	3.400in./86.4mm	47	C2OZ-B	3.385in./86mm	22
3914682	3.250in./82.6mm	81	5782680	3.250in./82.6mm	81	25505554	3.400in./86.4mm	50	C3AF-N	3.385in./86mm	22
3914682	3.250in./82.6mm	68	6107432	3.813in./96.9mm	48	25505554	3.400in./86.4mm	40	C3OE-B	3.385in./86mm	22
3923278	3.000in./76.2mm	76	6116028	4.500in./114.3mm	2	25505554	3.400in./86.4mm	38	C3OZ	3.385in./86mm	22
3930809	3.250in./82.6mm	81	6255607	2.593in./65.9mm	35	25506397	3.400in./86.4mm	47	C3OZ-B	3.385in./86mm	22
3930809	3.250in./82.6mm	68	8877367	3.859in./98mm	61	25506397	3.400in./86.4mm	50	E	3.228in./82mm	16
3932444	3.484in./88.5mm	68	8877367	3.859in./98mm	62	25506397	3.400in./86.4mm	40	K-101	3.031in./77mm	1
3941172	3.250in./82.6mm	81	9770488	4.000in./101.6mm	104	25506397	3.400in./86.4mm	38	K-N	3.543in./90mm	6
3941172	3.250in./82.6mm	68	9773382	3.750in./95.3mm	34	25506818	3.400in./86.4mm	47	KN	3.543in./90mm	6
3941174	3.250in./82.6mm	81	9773382	3.750in./95.3mm	80	25506818	3.400in./86.4mm	50	N353039	4.000in./101.6mm	101
3941174	3.250in./82.6mm	68	9773383	3.750in./95.3mm	80	25506818	3.400in./86.4mm	40	N853039	4.000in./101.6mm	101
3941176	3.000in./76.2mm	76	9773384	4.000in./101.6mm	104	25506818	3.400in./86.4mm	38	N853638	4.000in./101.6mm	101
3941180	3.766in./95.7mm	90	9773524	3.750in./95.3mm	34	25509404	3.400in./86.4mm	47	O-191561	3.500in./88.9mm	85
3941180	3.766in./95.7mm	101	9773524	3.750in./95.3mm	80	25509404	3.400in./86.4mm	50	OK	3.543in./90mm	6
3941184	3.484in./88.5mm	68	9773573	3.750in./95.3mm	80	25509404	3.400in./86.4mm	40	P	3.938in./100mm	53
3942411	3.766in./95.7mm	90	9782279	3.250in./82.6mm	39	25509404	3.400in./86.4mm	38	P	3.938in./100mm	57
3942411	3.766in./95.7mm	101	9782297	3.250in./82.6mm	39	25514290	3.400in./86.4mm	47	R9028036	3.385in./86mm	22
3951528	3.750in./95.3mm	98	9782297	3.250in./82.6mm	49	25514290	3.400in./86.4mm	50	R90280395	3.385in./86mm	22
3951529D	3.750in./95.3mm	98	9782646	3.750in./95.3mm	80	25514290	3.400in./86.4mm	40	R90280399	3.385in./86mm	22

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL								
1	61 CID (1.0L) LP2 Suzuki 3 Cyl (1989-2000)				2.913in./74mm x 3.031in./77mm			1
	61 CID (1.0L) LS3 Turbo Suzuki Turbocharged 3 Cyl (1987-1991)				2.913in./74mm x 3.031in./77mm			
	61 CID (1.0L) LY9 Suzuki 3 Cyl (1985-1988)				2.913in./74mm x 3.031in./77mm			
Rod Bearing(3)	AL-3	CB-1401AL	STD,.25mm,.50mm,.75mm	1.6535/1.6543	0.0008/0.0027	0.0587	1.7717/1.7724	0.7130
Main Bearing Set 1-2-3-4	AL-3	MS-1708AL MB-3172AL	STD,.25mm,.50mm,.75mm	1.7717/1.7724	0.0008/0.0027	0.0787	1.9291/1.9298	0.7080
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-455S								
Thrust Washer Set		TW-455S MB-3172W	STD	2.0472			2.6772	0.0990
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1708AL								
C/S Forging	6M, 6-H, 77A, 7HA, 91K, 74TM, 76TM, 78TM, 81-K, 7243N, 9166N, K-101, 78TM-CA, 90-21-0, 90TM-AA, 90TM-AB, 91TM-AA, 7HA-6303, 91A-6303-A, 91A-6303-B, 91H-6303-B							
Connecting Rod	24 To 27 Lbs.Ft.							
Main Bearing	36 To 41 Lbs.Ft.							
2	159 CID (2.6L) 3-53 Detroit Diesel Supercharged Diesel 3 Cyl (1967-1968)				3.875in./98.4mm x 4.500in./114.3mm			2
Rod Bearing(3)	TM-112	CB-1265P	STD,10,20,30,40	2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200
Main Bearing(4)	TM-112	MB-1897P	STD,10,20,30	2.9990/3.0000	0.0013/0.0043	0.1250	3.2510/3.2520	1.1850
Thrust Washer Set		TW-412S MB-2522W	STD	3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MB-1897P								
Cam Bearing Set 1-3 2	C-1	SH-699S SH-686 SH-687	STD	2.1820/2.1825 2.1820/2.1825	0.0039/0.0065 0.0040/0.0065	0.0943 0.0893	2.3750/2.3760 2.3650/2.3660	1.5100 1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings								

GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL (Cont.)								
2 (Cont.)	159 CID (2.6L) 3-53 Detroit Diesel Supercharged Diesel 3 Cyl (1967-1968)				3.875in./98.4mm x 4.500in./114.3mm			2 (Cont.)
Piston Pin Bushing(3)	C-1	223-3622	STD			0.1225	1.6005/1.6010	0.7550
NOTE: Requires Boring								
Rod Forging	5121248							
C/S Forging	5116022, 5116029, 6116028							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	120 To 130 Lbs.Ft.							
4 CYL								
3	79 CID (1.3L) L72 SOHC Suzuki 4 Cyl (1992-1997)				2.913in./74mm x 2.972in./75.5mm			3
	79 CID (1.3L) LY8 Suzuki 4 Cyl (1998-1999)				2.913in./74mm x 2.972in./75.5mm			
Rod Bearing(4)	AL-3	CB-1401AL	STD,.25mm,.50mm,.75mm	1.6535/1.6543	0.0008/0.0027	0.0587	1.7717/1.7724	0.7130
Main Bearing Set 1-2-3-4-5	AL-3	MS-1779AL MB-3172AL	STD,.25mm,.50mm,.75mm	1.7717/1.7724	0.0008/0.0027	0.0787	1.9291/1.9298	0.7080
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-455S								
Thrust Washer Set		TW-455S MB-3172W	STD	2.0472			2.6772	0.0990
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1779AL								
C/S Forging	3A, 3B, 3E, 3H, 3AC, 3AH, 3KC, 3SF							
Connecting Rod	24 To 27 Lbs.Ft.							
Main Bearing	37 To 41 Lbs.Ft.							
4	85 CID (1.4L) LX3 Chevrolet 4 Cyl (1976-1977)				3.228in./82mm x 2.598in./66mm			4
	98 CID (1.6L) Chevrolet 4 Cyl (1976-1987)				3.228in./82mm x 2.992in./76mm			
Rod Bearing(4)	TM-77	CB-1216AL	STD,.25mm,.50mm,.75mm	1.8094/1.8104	0.0014/0.0035	0.0589	1.9290/1.9296	0.7500
Main Bearing Set 1-2-3-4-5	TM-77	MS-1424AL MB-2737AL MB-2738AL(F)	STD,.25mm,.50mm,.75mm	2.0078/2.0088 2.0074/2.0084	0.0009/0.0035 0.0016/0.0042	0.0777 0.0778	2.1648/2.1658 2.1648/2.1658	0.7080 0.9410
Main Bearing Set 1-2-3-4-5	TM-77	MS-2031AL-.25mm MB-2737AL MB-4006AL(F)	.50mm,.75mm	2.0078/2.0088 2.0074/2.0079	0.0009/0.0035 0.0019/0.0039	0.0777 0.0827	2.1648/2.1658 2.1654/2.1659	0.7080 0.9490
NOTE: .25mm Undersize Set Contains .20mm Oversize Length Flanged Bearing,.50mm Undersize Set Contains .40mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .60mm Oversize Length Flanged Bearing								
C/S Forging	4A, 11M, 17M, 3YA, 40F, 4AC, 4AL, 140N, 176H, 407N, 45-T, 1140N, 4196N, 7184N, 9116N, 11M-14, 1803420C1, 1805420C1, 1802224C92, 1802224C93, 13111-03010-D							
Connecting Rod	37 Lbs.Ft. (85 CID (1.4L),98 CID (1.6L))							
Connecting Rod	40 Lbs.Ft. (1978-1987, 98 CID (1.6L))							
Main Bearing	46 Lbs.Ft. (1976-1977, 85 CID (1.4L),98 CID (1.6L))							
Main Bearing	50 Lbs.Ft. (1978-1987, 98 CID (1.6L))							
5	92 CID (1.5L) LC0 SOHC Isuzu Turbocharged 4 Cyl (1986-1989)				3.031in./77mm x 3.110in./79mm			5
	92 CID (1.5L) LC5 Isuzu 4 Cyl (1985-1989)				3.031in./77mm x 3.110in./79mm			
Rod Bearing(4)	TM-1	CB-1478P	STD,.25mm,.50mm	1.5726/1.5734	0.0008/0.0025	0.0591	1.6922/1.6929	0.6690
Main Bearing Set 1-2-3-4-5	AL-3	MS-1776AL MB-3150AL	STD,.25mm,.50mm,.75mm	1.8873/1.8881	0.0008/0.0029	0.0787	2.0463/2.0472	0.6690
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-453S								
Thrust Washer Set		TW-453S MB-3150W	STD	2.1654			2.7559	0.0870
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1776AL								
Connecting Rod	24 To 27 Lbs.Ft. (1985-1987)							
Main Bearing	61 To 69 Lbs.Ft.							
6	97 CID (1.6L) LO1 16 Valve Suzuki 4 Cyl (1994-2002)				2.953in./75mm x 3.543in./90mm			6
	97 CID (1.6L) LS5 8 Valve Suzuki 4 Cyl (1989-1995)				2.953in./75mm x 3.543in./90mm			
Rod Bearing(4)	AL-3	CB-1477AL	STD,.25mm,.50mm,.75mm	1.7316/1.7325	0.0008/0.0031	0.0591	1.8504/1.8513	0.7130
Main Bearing Set 1-2-3-4-5	AL-3	MS-1820AL MB-3209AL	STD,.25mm,.50mm,.75mm	2.0468/2.0472	0.0012/0.0025	0.0792	2.2047/2.0254	0.7130
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-478S								
Thrust Washer Set		TW-478S MB-3209W	STD	2.3327/2.3333			2.9531	0.0990
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1820AL								

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
6 (Cont.)	97 CID (1.6L) LO1 16 Valve Suzuki 4 Cyl (1994-2002)				2.953in./75mm x 3.543in./90mm			6 (Cont.)
	97 CID (1.6L) LS5 8 Valve Suzuki 4 Cyl (1989-1995)				2.953in./75mm x 3.543in./90mm			
C/S Forging KN, OK, K-N								
Connecting Rod 24 To 27 Lbs.Ft.								
Main Bearing 37 To 41 Lbs.Ft.								
7	98 CID (1.6L) L73 Daewoo 4 Cyl (1988-1993)				3.110in./79mm x 3.228in./82mm			7
Rod Bearing(4)	AL-3	CB-1451AL	STD.,25mm.,50mm	1.6918/1.6924	0.0005/0.0020	0.0590	1.8110/1.8115	0.6550
Main Bearing Set 1-2-4-5	AL-3	MS-1801AL	STD.,25mm.,50mm	2.1642/2.1648	0.0001/0.0025	0.0780	2.3228/2.3233	0.7700
3		MB-3166AL MB-3167AL(F)		2.1642/2.1648	0.0001/0.0025	0.0780	2.3228/2.3233	1.0200
NOTE: .25mm Undersize Set Contains .20mm Oversize Length Flanged Bearing,.50mm Undersize Set Contains .40mm Oversize Length Flanged Bearing								
Connecting Rod 18 Lbs.Ft. Plus 30 Degrees								
Main Bearing 37 To 44 Lbs.Ft. Plus 45 To 60 Degrees								
8	98 CID (1.6L) LC9 SOHC Toyota 4 Cyl (1985-1988)				3.189in./81mm x 3.031in./77mm			8
Rod Bearing(4)	TM-1	CB-1361P	STD.,25mm.,50mm.,75mm	1.5742/1.5748	0.0007/0.0032	0.0586	1.6928/1.6938	0.6730
Main Bearing Set 1-2-3-4-5	AL-3	MS-2211AL MB-3764AL	STD.,25mm.,50mm.,75mm	1.8892/1.8898	0.0007/0.0033	0.0789	2.0480/2.0492	0.7874
NOTE: Contains Partial Grooved Main Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S								
Thrust Washer Set		TW-401S	STD	2.1102/2.1220			2.5827/2.5945	0.0980
		MB-2965W(L) MB-2965W(U)		2.1102/2.1220			2.5827/2.5945	0.0980
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2211AL								
C/S Forging 4A, 3YA, 40F, 4AC, 4AL, 407N, 45-T, 4196N								
Connecting Rod 36 Lbs.Ft.								
Main Bearing 44 Lbs.Ft.								
9	98 CID (1.6L) LO1 DOHC Toyota 4 Cyl (1989-1997)				3.189in./81mm x 3.031in./77mm			9
	98 CID (1.6L) LW0 DOHC Toyota 4 Cyl (1988-1992)				3.189in./81mm x 3.031in./77mm			
Rod Bearing(4)	TM-1	CB-1474P	STD.,25mm.,50mm	1.6529/1.6535	0.0008/0.0032	0.0587	1.7717/1.7726	0.6690
Main Bearing Set 1-2-3-4-5	AL-3	MS-2211AL MB-3764AL	STD.,25mm.,50mm.,75mm	1.8892/1.8898	0.0007/0.0033	0.0789	2.0480/2.0492	0.7874
NOTE: Contains Partial Grooved Main Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S								
Thrust Washer Set		TW-401S	STD	2.1102/2.1220			2.5827/2.5945	0.0980
		MB-2965W(L) MB-2965W(U)		2.1102/2.1220			2.5827/2.5945	0.0980
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2211AL								
Connecting Rod 36 Lbs.Ft.								
Main Bearing 44 Lbs.Ft.								
10	98 CID (1.6L) LO1 SOHC Isuzu 4 Cyl (1990-1993)				3.150in./80mm x 3.110in./79mm			10
	98 CID (1.6L) LW0 DOHC Isuzu 4 Cyl (1990-1991)				3.150in./80mm x 3.110in./79mm			
Rod Bearing(4)	TM-1	CB-1478P	STD.,25mm.,50mm	1.5726/1.5734	0.0008/0.0025	0.0591	1.6922/1.6929	0.6690
Main Bearing Set 1-2-3-4-5	AL-3	MS-1776AL MB-3150AL	STD.,25mm.,50mm.,75mm	1.8873/1.8881	0.0008/0.0029	0.0787	2.0463/2.0472	0.6690
NOTE: Thru 5/90, Requires Thrust Washer Set, Not Included, Use With Part Number TW-453S								
Main Bearing Set 1-2-3-4-5	TM-1	MS-2017P MB-3481P	STD.,25mm.,50mm	2.0440/2.0448	0.0008/0.0029	0.0793	2.2037/2.2047	0.6690
NOTE: From 6/90, Requires Thrust Washer Set, Not Included, Use With Part Number TW-595S								
Thrust Washer Set		TW-453S	STD	2.1654			2.7559	0.0870
		MB-3150W						
NOTE: Thru 5/90, Contains 2 Pieces, Position Number 3, Use With Part Number MS-1776AL								
Thrust Washer Set		TW-595S	STD	2.3228			2.9016	0.0870
		MB-3481W						
NOTE: From 6/90, Contains 2 Pieces, Position Number 3, Use With Part Number MS-2017P								

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
10	98 CID (1.6L) LO1 SOHC Isuzu 4 Cyl (1990-1993)			3.150in./80mm x 3.110in./79mm				10
(Cont.)	98 CID (1.6L) LW0 DOHC Isuzu 4 Cyl (1990-1991)			3.150in./80mm x 3.110in./79mm				(Cont.)
Connecting Rod	24 To 27 Lbs.Ft.							
Main Bearing	61 To 69 Lbs.Ft.							
11	108 CID (1.8L) LV6 DOHC Toyota 4 Cyl (1993-1999)			3.189in./81mm x 3.602in./91.5mm				11
Rod Bearing(4)	AL-3	CB-1786AL	STD,.25mm,.50mm	1.8892/1.8898	0.0008/0.0026	0.0587	2.0075/2.0079	0.6693
Main Bearing Set	AL-3	MS-2211AL	STD,.25mm,.50mm,.75mm	1.8892/1.8898	0.0007/0.0033	0.0789	2.0480/2.0492	0.7874
1-2-3-4-5		MB-3764AL						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S								
Thrust Washer Set		TW-401S	STD	2.1102/2.1220			2.5827/2.5945	0.0980
		MB-2965W(L)		2.1102/2.1220			2.5827/2.5945	0.0980
		MB-2965W(U)						
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2211AL								
12	110 CID (1.8L) LA5 OHC Turbo Pontiac Turbocharged 4 Cyl (1984-1986)			3.339in./84.8mm x 3.150in./80mm				12
	110 CID (1.8L) LH8 OHC Pontiac 4 Cyl (1982-1986)			3.339in./84.8mm x 3.150in./80mm				
Rod Bearing(4)	TM-77	CB-1175AL	STD,.25mm,.50mm,.75mm	1.9280/1.9286	0.0010/0.0029	0.0590	2.0472/2.0477	0.7600
Main Bearing Set	TM-1	MS-2068P	STD,.25mm,.50mm	2.2828/2.2833	0.0009/0.0025	0.0780	2.4409/2.4415	0.7580
1-2-4-5		MB-2791P		2.2828/2.2833	0.0009/0.0025	0.0780	2.4409/2.4415	1.0190
3		MB-3565P(F)						
NOTE: All Sizes Contain Standard Length Flanged Bearing								
C/S Forging	2670, 90156143							
Connecting Rod	39 Lbs.Ft.							
Main Bearing	57 Lbs.Ft.							
13	110 CID (1.8L) LV6 DOHC Isuzu 4 Cyl (1992-1993)			3.150in./80mm x 3.543in./90mm				13
	1809CC (1.8L) 4XF1 DOHC (RLX) Isuzu 4 Cyl (1992-1993)			3.150in./80mm x 3.543in./90mm				
Main Bearing Set	TM-1	MS-2017P	STD,.25mm,.50mm	2.0440/2.0448	0.0008/0.0029	0.0793	2.2037/2.2047	0.6690
1-2-3-4-5		MB-3481P						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-595S								
Thrust Washer Set		TW-595S	STD	2.3228			2.9016	0.0870
		MB-3481W						
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-2017P								
Connecting Rod	27 To 40 Lbs.Ft.							
Main Bearing	33 To 40 Lbs.Ft.							
14	111 CID (1.8L) LJ5 SOHC Isuzu Diesel 4 Cyl (1981-1986)			3.307in./84mm x 3.228in./82mm				14
Rod Bearing(4)	TM-1	CB-1449P	STD,.25mm,.50mm,.75mm	1.9264/1.9268	0.0014/0.0029	0.0596	2.0464/2.0472	0.8710
Main Bearing Set	TM-1	MS-1669P	STD,10	2.2010/2.2020	0.0011/0.0028	0.0792	2.3614/2.3622	0.9060
1-2-4-5		MB-3051P		2.2010/2.2020	0.0011/0.0028	0.0792	2.3614/2.3622	0.9060
3		MB-3052P						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Thrust Washer Set		TW-451S	STD	2.5197			3.1575	0.0930
		MB-3061W						
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1669P								
Cam Bearing Set	B-1	SH-1462S	STD	1.1004/1.1014	0.0010/0.0035	0.0603	1.2205/1.2215	1.0530
1-2-3-4-5		SH-1462						
Connecting Rod	58 To 65 Lbs.Ft.							
Main Bearing	72 To 80 Lbs.Ft.							
15	112 CID (1.8L) L46 Chevrolet 4 Cyl (1982)			3.504in./89mm x 2.913in./74mm				15
Rod Bearing(4)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-1524P	STD,10,20,30	2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.7420
1-2-3		MB-2854P		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.9420
4		MB-2855P(F)		2.4937/2.4946	0.0014/0.0043	0.0955	2.6870/2.6880	0.8300
5		MB-2856P						
Cam Bearing Set	AL-3	SH-1365S	STD	1.8677/1.8697	0.0015/0.0041	0.0742	2.0190/2.0200	0.6340
1		SH-1365		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
2-5		SH-1364		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940
3-4		SH-1363						
Rod Forging	14018716							
C/S Forging	8705N, 14018705							

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
15 (Cont.)	112 CID (1.8L) L46 Chevrolet 4 Cyl (1982)			3.504in./89mm x 2.913in./74mm				15 (Cont.)
Connecting Rod	34 To 40 Lbs.Ft.							
Main Bearing	63 To 74 Lbs.Ft.							
16	1817CC (1.8L) SOHC Isuzu 4 Cyl (1972-1982)			3.307in./84mm x 3.228in./82mm				16
Rod Bearing(4)	TM-77	CB-1654P	STD,.25mm,.50mm,.75mm,1.00mm	1.9262/1.9268	0.0012/0.0040	0.0596	2.0466/2.0472	0.8460
Main Bearing Set	TM-1	MS-1298G	STD,.25mm,.50mm,.75mm,1.00mm					
1-3-5		MB-974G		2.2016/2.2022	0.0009/0.0039	0.0596	2.3220/2.3228	1.2600
2-4		MB-975G		2.2016/2.2022	0.0009/0.0039	0.0596	2.3220/2.3228	0.8270
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Thrust Washer Set		TW-451S	STD					
		MB-3061W		2.5197			3.1575	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1298G								
Balance Shaft Bearing Set	B-1	SH-1190S	STD					
1-2-3		SH-1190		1.7695/1.7706	0.0011/0.0059	0.0593	1.8900/1.8910	0.9840
NOTE: 1972-1975								
Piston Pin Bushing(4)		223-3549	STD	0.8666		0.1248	1.0008	1.0240
NOTE: 1972-1975								
C/S Forging	E, BP							
Connecting Rod	33 Lbs.Ft. (1976-1982)							
Connecting Rod	43 Lbs.Ft. (1972-1975)							
Main Bearing	72 Lbs.Ft.							
17	116 CID (1.9L) SOHC,DOHC Saturn 4 Cyl (1991-2002)			3.230in./82mm x 3.540in./89.9mm				17
Rod Bearing(4)	TM-77	CB-1623P	STD,.25mm,.50mm	1.8500/1.8508	0.0005/0.0021	0.0626	1.9761/1.9766	0.8000
Main Bearing Set	TM-77	MS-2009P	STD,.25mm,.50mm					
1-2-4-5		MB-3468P		2.2438/2.2443	0.0005/0.0019	0.0783	2.4013/2.4018	0.7210
3		MB-3469P(F)		2.2438/2.2443	0.0005/0.0019	0.0783	2.4013/2.4018	0.9205
Piston Pin Bushing(4)	C-1	223-3649	STD			0.0795	0.8460	0.9606
NOTE: Requires Light Reaming								
C/S Forging	210008832							
Connecting Rod	31 Lbs.Ft.							
Main Bearing	37 Lbs.Ft.							
18	119 CID (1.9L) LR1 SOHC Isuzu 4 Cyl (1982-1985)			3.425in./87mm x 3.228in./82mm				18
Rod Bearing(4)	TM-77	CB-1654P	STD,.25mm,.50mm,.75mm,1.00mm	1.9262/1.9268	0.0012/0.0040	0.0596	2.0466/2.0472	0.8460
Main Bearing Set	TM-1	MS-1298G	STD,.25mm,.50mm,.75mm,1.00mm					
1-3-5		MB-974G		2.2016/2.2022	0.0009/0.0039	0.0596	2.3220/2.3228	1.2600
2-4		MB-975G		2.2016/2.2022	0.0009/0.0039	0.0596	2.3220/2.3228	0.8270
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Thrust Washer Set		TW-451S	STD					
		MB-3061W		2.5197			3.1575	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1298G								
C/S Forging	1A, 1AA, 188A, 202B, 2MAE, 2 MAE, 1805420C1, 1809954C1, 1816975C1, 1812320C91							
Connecting Rod	43 Lbs.Ft.							
Main Bearing	72 Lbs.Ft.							
19	121 CID (2.0L) LL8 Chevrolet 4 Cyl (1987-1989)			3.504in./89mm x 3.150in./80mm				19
	134 CID (2.2L) LM3 Chevrolet 4 Cyl (1990-1991)			3.504in./89mm x 3.465in./88mm				
Rod Bearing(4)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-1704P	STD,10,20,30					
1-2-3-5		MB-2854P		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.7420
4		MB-2883P(F)		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.9420
Cam Bearing Set	AL-3	SH-1365S	STD					
1		SH-1365		1.8677/1.8697	0.0015/0.0041	0.0742	2.0190/2.0200	0.6340
2-5		SH-1364		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
3-4		SH-1363		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940
C/S Forging	09N, 1.9, 11M, 8HA, 003K, 003N, 10-B, 82TM, 851M, 8F28, 8MTH, 1174N, 90003C, 86TM-BA, 887652N, 88TM-BA, 020201A1, 82TM-HAA, 8HA-6303							

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
19 (Cont.)	121 CID (2.0L) LL8 Chevrolet 4 Cyl (1987-1989)				3.504in./89mm x 3.150in./80mm			19 (Cont.)
	134 CID (2.2L) LM3 Chevrolet 4 Cyl (1990-1991)				3.504in./89mm x 3.465in./88mm			
Connecting Rod	34 To 43 Lbs.Ft. (121 CID (2.0L) LL8)							
Connecting Rod	38 Lbs.Ft. (134 CID (2.2L) LM3)							
Main Bearing	63 To 77 Lbs.Ft. (121 CID (2.0L) LL8)							
Main Bearing	70 Lbs.Ft. (134 CID (2.2L) LM3)							
20	121 CID (2.0L) LQ2,LR9 Chevrolet 4 Cyl (1983-1984)				3.504in./89mm x 3.150in./80mm			20
	121 CID (2.0L) LQ5 Chevrolet 4 Cyl (1983-1986)				3.504in./89mm x 3.150in./80mm			
Rod Bearing(4)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-1567P	STD,10,20,30					
1-2-3		MB-2854P		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.7420
4		MB-2883P(F)		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.9420
5		MB-2856P		2.4937/2.4946	0.0014/0.0043	0.0955	2.6870/2.6880	0.8300
Cam Bearing Set	AL-3	SH-1365S	STD					
1		SH-1365		1.8677/1.8697	0.0015/0.0041	0.0742	2.0190/2.0200	0.6340
2-5		SH-1364		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
3-4		SH-1363		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940
C/S Forging	6M, 30R, 31M, 6-H, 77A, 74HA, 74TM, 76TM, 78TM, 81-K, 2NABC, 31-87, 3278N, 3281N, 7243N, 7248N, 2Y68-76, 329880N, 78TM-CA, 7HA-6303							
Connecting Rod	34 To 43 Lbs.Ft.							
Main Bearing	63 To 77 Lbs.Ft.							
21	122 CID (2.0L) Chevrolet 4 Cyl (1975-1976)				3.500in./88.9mm x 3.160in./80.3mm			21
	140 CID (2.3L) Chevrolet 4 Cyl (1971-1977)				3.500in./88.9mm x 3.625in./92.1mm			
Rod Bearing(4)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-1050P	STD,10					
1-2-3		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
4		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
5		MB-2589P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.9010
Cam Bearing Set	B-1	SH-716S	STD					
1		SH-716		2.2812/2.2822	0.0015/0.0045	0.0644	2.4120/2.4130	0.6900
2-3-4-5		SH-717		2.2812/2.2822	0.0015/0.0045	0.0644	2.4120/2.4130	0.6900
Rod Forging	3977110							
C/S Forging	3977109, 3994226, 3994227							
Connecting Rod	35 Lbs.Ft.							
Main Bearing	65 Lbs.Ft.							
22	122 CID (2.0L) OHC Pontiac 4 Cyl (1987-1994)				3.386in./86mm x 3.385in./86mm			22
	122 CID (2.0L) OHC Turbo Pontiac 4 Cyl (1987-1990)				3.386in./86mm x 3.385in./86mm			
Rod Bearing(4)	TM-77	CB-1408P	STD,.25mm,.50mm,.75mm	1.9279/1.9286	0.0006/0.0028	0.0590	2.0472/2.0477	0.7600
Main Bearing Set	TM-1	MS-2068P	STD,.25mm,.50mm					
1-2-4-5		MB-2791P		2.2828/2.2833	0.0009/0.0025	0.0780	2.4409/2.4415	0.7580
3		MB-3565P(F)		2.2828/2.2833	0.0009/0.0025	0.0780	2.4409/2.4415	1.0190
NOTE: All Sizes Contain Standard Length Flanged Bearing								
C/S Forging	C3OZ, C2OZ-B, C3AF-N, C3OE-B, C3OZ-B, R9028036, R90280395, R90280399							
Connecting Rod	26 Lbs.Ft. Plus 40 To 50 Degrees							
Main Bearing	44 Lbs.Ft. Plus 40 To 50 Degrees							
23	134 CID (2.2L) L42 DOHC Ecotec Bi-fuel Gas/CNG 4 Cyl (2003)				3.386in./86mm x 3.724in./94.6mm			23
	134 CID (2.2L) L61 DOHC Ecotec 4 Cyl (2000-2005)				3.386in./86mm x 3.724in./94.6mm			
Rod Bearing(4)	AL-5	CB-1827AL	STD,10,20,30	1.9291/1.9297	0.0004/0.0022	0.0609	2.0519/2.0525	0.7980
Rod Bearing(4)	AL-5	CB-1828AL-10	20,30	1.9291/1.9297	0.0004/0.0022	0.0619	2.0539/2.0545	0.7980
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-2232AL	STD,10,20,30					
1-3-4-5		MB-3824AL		2.2044/2.2050	0.0013/0.0031	0.1589	2.5223/2.5229	0.7795
2		MB-3825AL(F)		2.2044/2.2050	0.0008/0.0025	0.1591	2.5223/2.5229	1.0417
Balance Shaft Bearing Set	AL-3	SH-2002S	STD					
Rear		SH-2002		1.4457/1.4465	0.0011/0.0027	0.0789	1.6048/1.6053	1.0236
NOTE: 2002-2005								
24	134 CID (2.2L) LN2/KL6 Chevrolet Bi-fuel Gas/CNG 4 Cyl (2000-2002)				3.504in./89mm x 3.465in./88mm			24
Rod Bearing(4)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
24 (Cont.)	134 CID (2.2L) LN2/KL6 Chevrolet Bi-fuel Gas/CNG 4 Cyl (2000-2002)				3.504in./89mm x 3.465in./88mm			24 (Cont.)
Main Bearing Set	TM-77	MS-2205P	STD,10,20,30					
1-2-5		MB-2854P		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.7420
3		MB-3749P		2.4944/2.4954	0.0006/0.0036	0.0955	2.6870/2.6880	0.8190
4		MB-2883P(F)		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.9420
Cam Bearing Set	AL-3	SH-1365S	STD					
1		SH-1365		1.8677/1.8697	0.0015/0.0041	0.0742	2.0190/2.0200	0.6340
2-5		SH-1364		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
3-4		SH-1363		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940
Connecting Rod Main Bearing	38 Lbs.Ft. 70 Lbs.Ft.							
25	134 CID (2.2L) OHV Chevrolet 4 Cyl (1992-2003)				3.504in./89mm x 3.465in./88mm			25
Rod Bearing(4)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-1704P	STD,10,20,30					
1-2-3-5		MB-2854P		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.7420
4		MB-2883P(F)		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.9420
NOTE: 1992-1997								
Main Bearing Set	TM-77	MS-2205P	STD,10,20,30					
1-2-5		MB-2854P		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.7420
3		MB-3749P		2.4944/2.4954	0.0006/0.0036	0.0955	2.6870/2.6880	0.8190
4		MB-2883P(F)		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.9420
NOTE: 1998-2003								
Cam Bearing Set	AL-3	SH-1365S	STD					
1		SH-1365		1.8677/1.8697	0.0015/0.0041	0.0742	2.0190/2.0200	0.6340
2-5		SH-1364		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
3-4		SH-1363		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940
Connecting Rod Main Bearing	38 Lbs.Ft. 70 Lbs.Ft.							
26	137 CID (2.2L) LQ7 OHV Isuzu Diesel 4 Cyl (1984-1985)				3.465in./88mm x 3.622in./92mm			26
Rod Bearing(4)	TM-1	CB-1093P	STD,.25mm,.50mm	2.0833/2.0838	0.0011/0.0028	0.0593	2.2041/2.2047	0.8870
Main Bearing Set	TM-1	MS-1738P	STD,.25mm,.50mm					
1-5		MB-3157P		2.3588/2.3595	0.0013/0.0039	0.0793	2.5189/2.5197	1.0830
2-4		MB-3158P		2.3588/2.3595	0.0013/0.0039	0.0793	2.5189/2.5197	0.9060
3		MB-3159P		2.3588/2.3595	0.0013/0.0039	0.0793	2.5189/2.5197	1.1260
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-470S								
Thrust Washer Set		TW-470S	STD					
		MB-3160W		2.8760			3.4173	0.0980
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1738P								
Cam Bearing Set	B-1	SH-1457S	STD					
1		SH-1457		1.8876/1.8888	0.0007/0.0035	0.0797	2.0472/2.0486	0.8660
2		SH-1458		1.8876/1.8888	0.0007/0.0035	0.0797	2.0477/2.0486	0.8660
3		SH-1459		1.8876/1.8888	0.0007/0.0035	0.0797	2.0477/2.0486	0.8660
27	2238CC (2.2L) OHV Isuzu Diesel 4 Cyl (1981-1982)				3.465in./88mm x 3.622in./92mm			27
Rod Bearing(4)	TM-1	CB-1093P	STD,.25mm,.50mm	2.0833/2.0838	0.0011/0.0028	0.0593	2.2041/2.2047	0.8870
Main Bearing Set	TM-1	MS-1738P	STD,.25mm,.50mm					
1-5		MB-3157P		2.3588/2.3595	0.0013/0.0039	0.0793	2.5189/2.5197	1.0830
2-4		MB-3158P		2.3588/2.3595	0.0013/0.0039	0.0793	2.5189/2.5197	0.9060
3		MB-3159P		2.3588/2.3595	0.0013/0.0039	0.0793	2.5189/2.5197	1.1260
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-470S								
Thrust Washer Set		TW-470S	STD					
		MB-3160W		2.8760			3.4173	0.0980
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1738P								
Cam Bearing Set	B-1	SH-907S	STD					
1		SH-907		1.8876/1.8887	0.0012/0.0031	0.0790	2.0472/2.0486	0.9840
2		SH-908		1.8882/1.8886	0.0012/0.0031	0.0790	2.0476/2.0484	0.9840
3		SH-909		1.8882/1.8886	0.0012/0.0031	0.0790	2.0476/2.0484	0.9840
C/S Forging	AD, AY, A1D, A301, B301, 97TM-, A-6303, 96TM-AA, A-6303-A							
Connecting Rod Main Bearing	58 To 65 Lbs.Ft. 115 To 130 Lbs.Ft.							

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
28	138 CID (2.3L) DOHC Oldsmobile 4 Cyl (1987-1996)			3.622in./92mm x 3.346in./85mm				28
Rod Bearing(4)	TM-77	CB-1388P	STD.,25mm.,50mm.,75mm	1.8887/1.8897	0.0005/0.0020	0.0623	2.0144/2.0154	0.8960
Main Bearing Set 1-2-4-5	TM-77	MS-1703P	STD.,25mm.,50mm.,75mm	2.0470/2.0480	0.0005/0.0020	0.0936	2.2352/2.2362	0.8370
3		MB-3084P MB-3085P(F)		2.0470/2.0480	0.0005/0.0020	0.0936	2.2352/2.2362	1.0930
Balance Shaft Bearing Set 1-2-3-4-5	AL-3	SH-1817S	STD	1.1801/1.1811	0.0004/0.0029	0.0593	1.3002/1.3012	0.7920
NOTE: 1995-1996		SH-1817						
Piston Pin Bushing(4)	C-1	223-3648	STD			0.1008		0.8563
NOTE: 1988-1991								
C/S Forging	2253120							
Connecting Rod	18 Lbs.Ft. Plus 90 Degrees							
Main Bearing	15 Lbs.Ft. Plus 90 Degrees							
29	138 CID (2.3L) L40 SOHC Oldsmobile 4 Cyl (1992-1994)			3.622in./92mm x 3.346in./85mm				29
Rod Bearing(4)	TM-77	CB-1388P	STD.,25mm.,50mm.,75mm	1.8887/1.8897	0.0005/0.0020	0.0623	2.0144/2.0154	0.8960
Main Bearing Set 1-2-4-5	TM-77	MS-1703P	STD.,25mm.,50mm.,75mm	2.0470/2.0480	0.0005/0.0020	0.0936	2.2352/2.2362	0.8370
3		MB-3084P MB-3085P(F)		2.0470/2.0480	0.0005/0.0020	0.0936	2.2352/2.2362	1.0930
C/S Forging	2253120							
Connecting Rod	18 Lbs.Ft. Plus 90 Degrees							
Main Bearing	15 Lbs.Ft. Plus 90 Degrees							
30	146 CID (2.4L) LD9 DOHC Oldsmobile 4 Cyl (1996-2002)			3.543in./90mm x 3.701in./94mm				30
Rod Bearing(4)	TM-77	CB-1647P	STD.,25mm.,50mm.,75mm	1.8888/1.8898	0.0009/0.0034	0.0623	2.0144/2.0155	0.7200
Rod Bearing(4)	TM-77	CB-1791P-.25mm	.50mm.,75mm	1.8888/1.8898	0.0009/0.0034	0.0633	2.0164/2.0175	0.7200
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	TM-77	MS-2056P	STD.,25mm.,50mm.,75mm	2.3626/2.3634	0.0004/0.0029	0.0936	2.5502/2.5512	0.7870
3		MB-3514P MB-3515P(F)		2.3626/2.3634	0.0004/0.0029	0.0936	2.5502/2.5512	1.0920
Balance Shaft Bearing Set 1-2-3-4-5	AL-3	SH-1817S	STD	1.1801/1.1811	0.0004/0.0029	0.0593	1.3002/1.3012	0.7920
		SH-1817						
31	151 CID (2.5L) Carbureted Pontiac 4 Cyl (1977-1983)			4.000in./101.6mm x 3.000in./76.2mm				31
Rod Bearing(4)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set 1-2-3-4	TM-77	MS-1733P	STD,1,10,20,30,40	2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
5		MB-3135P MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set 1-2-3	AL-3	SH-1030S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
		SH-400						
Rod Forging	324, 499323							
C/S Forging	017, 381, 390, 684, 771, 777, 499311, 4993111							
Connecting Rod	30 Lbs.Ft. (Except Cross Flow Cylinder Heads)							
Connecting Rod	32 Lbs.Ft. (Cross Flow Cylinder Heads)							
Main Bearing	65 Lbs.Ft. (Except Cross Flow Cylinder Heads)							
Main Bearing	70 Lbs.Ft. (Cross Flow Cylinder Heads)							
32	151 CID (2.5L) Fuel Injected Pontiac 4 Cyl (1982-1993)			4.000in./101.6mm x 3.000in./76.2mm				32
Rod Bearing(4)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set 1-2-3-4	TM-77	MS-1643P	STD,10,20,30	2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
5		MB-3135P MB-3011P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.9421
NOTE: 1985-1991, VIN U								
Main Bearing Set 1-2-3-4	TM-77	MS-1733P	STD,1,10,20,30,40	2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
5		MB-3135P MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
NOTE: VIN 2,A,E,R								
Cam Bearing Set 1-2-3	AL-3	SH-1030S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
		SH-400						
NOTE: VIN 2,A,E,R								

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
32 (Cont.)	151 CID (2.5L) Fuel Injected Pontiac 4 Cyl (1982-1993)			4.000in./101.6mm x 3.000in./76.2mm				32 (Cont.)
Cam Bearing Set 1-2-3	B-1	SH-1305S SH-1305	STD	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.7280
NOTE: 1985-1991, VIN U								
C/S Forging	017, 381, 390, 684, 771, 777, 4993111							
Connecting Rod	30 Lbs.Ft.							
Main Bearing	65 Lbs.Ft.							
33	153 CID (2.5L) Chevrolet 4 Cyl (1962-1970)			3.875in./98.4mm x 3.250in./82.6mm				33
Rod Bearing(4)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set 1-2-3-4	TM-77	MS-1733P MB-3135P MB-2588P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2983/2.2993	0.0006/0.0036 0.0006/0.0036	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.0090
Cam Bearing Set 1-2	AL-3	SH-400S SH-400 SH-399	STD	1.8682/1.8692 1.8682/1.8692	0.0005/0.0050 0.0005/0.0050	0.0647 0.0697	1.9990/2.0010 2.0090/2.0110	0.8700 0.8700
Rod Forging	8436, 3788435, 3837149, 3837419							
C/S Forging	3788522, 3793080, 3793082, 5743014, 3793082N							
Connecting Rod	30 To 35 Lbs.Ft.							
Main Bearing	45 To 55 Lbs.Ft.							
34	195 CID (3.2L) Pontiac 4 Cyl (1961-1963)			4.063in./103.2mm x 3.750in./95.3mm				34
Rod Bearing(4)	TM-77	CB-758P	STD,1,10,20,30,40	2.2487/2.2497	0.0015/0.0040	0.0619	2.3745/2.3750	0.8860
Main Bearing Set 1-2-3	TM-77	MS-496P MB-1917P	STD,10,20,30	2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	0.9430
4		MB-1918P(F)		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	1.1350
5		MB-1891P		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	1.5950
Cam Bearing Set 1	B-1	SH-291S SH-291	STD	1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	1.0700
2-3-4-5		SH-292		1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	0.6900
NOTE: 1961-1962								
Cam Bearing Set 1-2-3-4-5	B-1	SH-292S SH-292	STD	1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	0.6900
NOTE: 1963								
Rod Forging	529238, 529907, 532294, 541000, 544956							
C/S Forging	496452, 539000, 539732, 542239, 544100, 9773382, 9773524, 9793573							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	95 Lbs.Ft. (Except Rear Bearing Cap)							
6 CYL								
35	140 CID (2.3L) Chevrolet Corvair 6 Cyl (1960-1961) 145 CID (2.4L) Chevrolet Corvair 6 Cyl (1961-1963) 145 CID (2.4L) Chevrolet Corvair Turbocharged 6 Cyl (1962-1963) 164 CID (2.7L) Chevrolet Corvair 6 Cyl (1964-1969) 164 CID (2.7L) Chevrolet Corvair Turbocharged 6 Cyl (1964-1966)			3.375in./85.7mm x 2.593in./65.9mm 3.438in./87.33mm x 2.593in./65.9mm 3.438in./87.33mm x 2.593in./65.9mm 3.438in./87.3mm x 2.938in./74.6mm 3.438in./87.3mm x 2.938in./74.6mm				35
Rod Bearing(6)	TM-77	CB-584P	STD,1,10,20	1.7990/1.8000	0.0012/0.0037	0.0620	1.9247/1.9252	0.6840
Main Bearing Set 1	TM-77	MS-584P	STD,10	2.0978/2.0988	0.0013/0.0043	0.0945	2.2880/2.2890	0.9970
2-3		MB-2004P(F) MB-2005P		2.0978/2.0988	0.0007/0.0037	0.0950	2.2880/2.2890	0.8070
4		MB-2111P		2.0978/2.0988	0.0007/0.0037	0.0950	2.2880/2.2890	0.8070
NOTE: Contains Full Flanged Bearing								
Main Bearing Set 1	TM-77	MS-1670P	STD,10	2.0978/2.0988	0.0013/0.0043	0.0945	2.2880/2.2890	0.9970
2-3		MB-2004G(F) MB-2005P		2.0978/2.0988	0.0007/0.0037	0.0950	2.2880/2.2890	0.8070
4		MB-2111P		2.0978/2.0988	0.0007/0.0037	0.0950	2.2880/2.2890	0.8070
NOTE: Contains Half Flanged Bearing								
Rod Forging	3817209, 3817294, 3817297, 3819695, 6255633							
C/S Forging	5607, 7293, 8409, 3817293, 3828409, 6255607							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	42 To 48 Lbs.Ft. (7/16"-20 Bolts)							
Main Bearing	7 To 13 Lbs.Ft. (5/16"-18 Bolts)							

GENERAL MOTORS CORP. (Cont.)

GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
36	173 CID (2.8L) Chevrolet V6 Cyl (1980-1993)			3.504in./89mm x 2.992in./76mm				36
Rod Bearing(6)	AL-5	CB-1238A-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0623	2.1245/2.1255	0.7205
Rod Bearing(6)	TM-77	CB-1238P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	1.9984/1.9994	0.0005/0.0035	0.0623	2.1245/2.1255	0.7205
Rod Bearing(6)	AL-5	CB-1797A-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0633	2.1265/2.1275	0.7205
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1797P-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0633	2.1265/2.1275	0.7205
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-1494P	STD,.25mm,.50mm,.75mm,1.00mm					
1		MB-2806P		2.4937/2.4946	0.0011/0.0040	0.0958	2.6870/2.6880	0.9700
2		MB-2807P		2.4937/2.4946	0.0011/0.0040	0.0958	2.6870/2.6880	0.7420
3		MB-2808P(F)		2.4937/2.4946	0.0011/0.0040	0.0958	2.6870/2.6880	0.9420
4		MB-2809P		2.4937/2.4946	0.0011/0.0040	0.0958	2.6870/2.6880	1.2480
NOTE: 1980-1984,1985 1st Design Main Bearings 63.3mm Journals								
Main Bearing Set	AL-5	MS-2037A-.25mm	.50mm,.75mm					
1-4		MB-3511A		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9770
2		MB-3512A		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.7380
3		MB-3513A(F)		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9420
NOTE: 1986-1993,1985 2nd Design Main Bearings 67.2mm Journals								
Main Bearing Set	TM-77	MS-2037P	STD,.25mm,.50mm,.75mm,1.00mm					
1-4		MB-3511P		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9770
2		MB-3512P		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.7380
3		MB-3513P(F)		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9420
NOTE: 1986-1993,1985 2nd Design Main Bearings 67.2mm Journals								
Cam Bearing Set	AL-3	SH-1364S	STD					
1		SH-1362		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
2-3		SH-1363		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940
4		SH-1364		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
C/S Forging 264, 504								
Connecting Rod	34 To 40 Lbs.Ft.							
Main Bearing	63 To 74 Lbs.Ft.							
37	173 CID (2.8L) Chevrolet LPG V6 Cyl (1987-1989)			3.504in./89mm x 2.992in./76mm				37
	173 CID (2.8L) Chevrolet Meth V6 Cyl (1987-1989)			3.504in./89mm x 2.992in./76mm				
	189 CID (3.1L) Chevrolet V6 Cyl (1988-2003)			3.504in./89mm x 3.307in./84mm				
	189 CID (3.1L) Chevrolet Turbocharged V6 Cyl (1989-1990)			3.504in./89mm x 3.307in./84mm				
	189 CID (3.1L) Chevrolet LPG V6 Cyl (1988-1993)			3.504in./89mm x 3.307in./84mm				
	189 CID (3.1L) Chevrolet Meth V6 Cyl (1988-1993)			3.504in./89mm x 3.307in./84mm				
	207 CID (3.4L) L32 Chevrolet V6 Cyl (1993-1995)			3.622in./92mm x 3.307in./84mm				
	207 CID (3.4L) LA1 Chevrolet V6 Cyl (1996-2003)			3.622in./92mm x 3.307in./84mm				
Rod Bearing(6)	AL-5	CB-1238A-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0623	2.1245/2.1255	0.7205
Rod Bearing(6)	TM-77	CB-1238P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	1.9984/1.9994	0.0005/0.0035	0.0623	2.1245/2.1255	0.7205
Rod Bearing(6)	AL-5	CB-1797A-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0633	2.1265/2.1275	0.7205
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1797P-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0633	2.1265/2.1275	0.7205
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-2037A-.25mm	.50mm,.75mm					
1-4		MB-3511A		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9770
2		MB-3512A		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.7380
3		MB-3513A(F)		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9420
Main Bearing Set	TM-77	MS-2037P	STD,.25mm,.50mm,.75mm,1.00mm					
1-4		MB-3511P		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9770
2		MB-3512P		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.7380
3		MB-3513P(F)		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9420
Cam Bearing Set	AL-3	SH-1364S	STD					
1		SH-1362		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
2-3		SH-1363		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940
4		SH-1364		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
C/S Forging 264, 504, 817, 981								

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
37 (Cont.)	173 CID (2.8L)	Chevrolet LPG V6 Cyl (1987-1989)			3.504in./89mm x 2.992in./76mm			37 (Cont.)
	173 CID (2.8L)	Chevrolet Meth V6 Cyl (1987-1989)			3.504in./89mm x 2.992in./76mm			
	189 CID (3.1L)	Chevrolet V6 Cyl (1988-2003)			3.504in./89mm x 3.307in./84mm			
	189 CID (3.1L)	Chevrolet Turbocharged V6 Cyl (1989-1990)			3.504in./89mm x 3.307in./84mm			
	189 CID (3.1L)	Chevrolet LPG V6 Cyl (1988-1993)			3.504in./89mm x 3.307in./84mm			
	189 CID (3.1L)	Chevrolet Meth V6 Cyl (1988-1993)			3.504in./89mm x 3.307in./84mm			
	207 CID (3.4L)	L32 Chevrolet V6 Cyl (1993-1995)			3.622in./92mm x 3.307in./84mm			
207 CID (3.4L)	LA1 Chevrolet V6 Cyl (1996-2003)			3.622in./92mm x 3.307in./84mm				
Connecting Rod	34 To 40 Lbs.Ft. (173 CID (2.8L))							
Connecting Rod	39 Lbs.Ft. (189 CID (3.1L),207 CID (3.4L))							
Main Bearing	37 Lbs.Ft. Plus 75 Degrees (Bolts)							
Main Bearing	39 Lbs.Ft. (Nuts)							
Main Bearing	63 To 74 Lbs.Ft. (173 CID (2.8L))							
Main Bearing	70 Lbs.Ft. (189 CID (3.1L))							
38	181 CID (3.0L)	Buick V6 Cyl (1982-1988)			3.800in./96.5mm x 2.660in./67.6mm			38
	231 CID (3.8L)	Buick Turbocharged V6 Cyl (1978-1989)			3.800in./96.5mm x 3.400in./86.4mm			
Rod Bearing(6)	TM-77	CB-1228P	STD,1,10,20,30,40	2.2487/2.2495	0.0005/0.0030	0.0619	2.3738/2.3745	0.6590
Rod Bearing(6)	TM-77	CB-1800P-10	20,30,40	2.2487/2.2495	0.0010/0.0035	0.0629	2.3758/2.3765	0.6590
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-960P	STD,1,10,20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-2434P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
Main Bearing Set	TM-77	MS-1688P-10	20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3063P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1690P-20	30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3064P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0980
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1747P-10	20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3125P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0680
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	AL-3	SH-1385S	STD,10					
1		SH-1360		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.7600
2-3-4		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300
NOTE: 1978-1984, 1985 14 Bolt Oil Pan								
Cam Bearing Set	AL-3	SH-1448S	STD					
1-4		SH-1448		1.7850/1.7860	0.0005/0.0055	0.0745	1.9355/1.9375	0.7500
2-3		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300
NOTE: 1986-1989, 1985 20 Bolt Oil Pan								
Rod Forging	201, 220, 408, 461, 673, 763, 779, 1357201, 1357333, 1377248, 25509405							
C/S Forging	275, 404, 732, 8767, 230277, 230278, 230378, 378354, 1254083, 1255645, 1255646, 1255674, 1255846, 1255862, 1257125, 1260877, 1261438, 1261787, 1357898, 1378351, 1378354, 25505554, 25506397, 25506818, 25509404, 25514290, 25520329							
Connecting Rod	40 Lbs.Ft.							
Main Bearing	110 Lbs.Ft.							
39	194 CID (3.2L)	Chevrolet 6 Cyl (1962-1967)			3.563in./90.5mm x 3.250in./82.6mm			39
	215 CID (3.5L)	Pontiac 6 Cyl (1964-1965)			3.750in./95.3mm x 3.250in./82.6mm			
	230 CID (3.8L)	Chevrolet 6 Cyl (1963-1970)			3.875in./98.4mm x 3.250in./82.6mm			
Rod Bearing(6)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-617P	STD,1,10,20,30,40					
1-2-3-4-5-6		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
7		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set	AL-3	SH-399S	STD,10					
1-4		SH-399		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
2-3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700

GENERAL MOTORS CORP. (Cont.)

GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
39 (Cont.)	194 CID (3.2L) Chevrolet 6 Cyl (1962-1967)				3.563in./90.5mm x 3.250in./82.6mm			39 (Cont.)
	215 CID (3.5L) Pontiac 6 Cyl (1964-1965)				3.750in./95.3mm x 3.250in./82.6mm			
	230 CID (3.8L) Chevrolet 6 Cyl (1963-1970)				3.875in./98.4mm x 3.250in./82.6mm			
Rod Forging	8436, 3788435, 3788437, 3837419, 3977110, 9793328							
C/S Forging	8424, 3788423, 3788424, 3788428, 3820618, 3864465, 3899424, 5743013, 9782279, 9782297							
Connecting Rod	30 To 35 Lbs.Ft. (194 CID (3.2L))							
Connecting Rod	35 To 45 Lbs.Ft. (215 CID (3.5L) ,230 CID (3.8L))							
Main Bearing	60 To 70 Lbs.Ft.							
40	196 CID (3.2L) LC9 Buick V6 Cyl (1978-1979)				3.500in./88.9mm x 3.400in./86.4mm			40
	252 CID (4.1L) LC4 Buick V6 Cyl (1980-1984)				3.965in./100.7mm x 3.400in./86.4mm			
Rod Bearing(6)	TM-77	CB-1228P	STD,1,10,20,30,40	2.2487/2.2495	0.0005/0.0030	0.0619	2.3738/2.3745	0.6590
Rod Bearing(6)	TM-77	CB-1800P-10	20,30,40	2.2487/2.2495	0.0010/0.0035	0.0629	2.3758/2.3765	0.6590
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-960P	STD,1,10,20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-2434P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
Main Bearing Set	TM-77	MS-1688P-10	20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3063P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1690P-20	30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3064P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0980
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1747P-10	20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3125P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0680
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	AL-3	SH-1385S	STD,10					
1		SH-1360		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.7600
2-3-4		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300
Rod Forging	201, 220, 673, 763, 779, 1357201, 1357333, 1377248, 25509405							
C/S Forging	230277, 230278, 230378, 378354, 1254083, 1255645, 1255646, 1255674, 1255846, 1255862, 1257125, 1260877, 1261438, 1261787, 1357898, 1378351, 1378354, 25505554, 25506397, 25506818, 25509404, 25514290, 25520329							
Connecting Rod	40 Lbs.Ft.							
Main Bearing	110 Lbs.Ft.							
41	198 CID (3.2L) Buick V6 Cyl (1962-1963)				3.625in./92.1mm x 3.200in./81.3mm			41
Rod Bearing(6)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set	TM-77	MS-606P	STD,10					
1-3-4		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
2		MB-2075P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0580
Cam Bearing Set	B-1	SH-506S	STD					
1		SH-506		1.7550/1.7560	0.0010/0.0060	0.0643	1.8855/1.8875	0.7600
2		SH-363		1.7250/1.7260	0.0010/0.0060	0.0643	1.8555/1.8575	0.7600
3		SH-364		1.6950/1.6960	0.0010/0.0060	0.0643	1.8255/1.8275	0.7600
4		SH-365		1.6650/1.6660	0.0010/0.0060	0.0643	1.7955/1.7975	0.7600
Rod Forging	431, 1349431							
C/S Forging	1349429, 1349929							
Connecting Rod	30 To 45 Lbs.Ft.							
Main Bearing	100 To 110 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	100 To 125 Lbs.Ft. (Except Rear Bearing Cap)							
42	200 CID (3.3L) L26 Chevrolet V6 Cyl (1978-1979)				3.500in./88.9mm x 3.484in./88.5mm			42
	229 CID (3.8L) Chevrolet V6 Cyl (1980)				3.736in./95mm x 3.484in./88.5mm			
	229 CID (3.8L) LC3 Chevrolet V6 Cyl (1980-1984)				3.736in./95mm x 3.484in./88.5mm			
Rod Bearing(6)	TM-77	CB-1227P	STD,1,10,20,30,40	2.0990/2.1000	0.0003/0.0033	0.0622	2.2247/2.2257	0.7130

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
42 (Cont.)	200 CID (3.3L) L26 Chevrolet V6 Cyl (1978-1979) 229 CID (3.8L) Chevrolet V6 Cyl (1980) 229 CID (3.8L) LC3 Chevrolet V6 Cyl (1980-1984)				3.500in./88.9mm x 3.484in./88.5mm 3.736in./95mm x 3.484in./88.5mm 3.736in./95mm x 3.484in./88.5mm			42 (Cont.)
Main Bearing Set 1-2-3 4	AL-5	MS-1454A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3 4	TM-77	MS-1454P MB-2508P MB-2509P(F)	STD, 1,10,20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3 4	TM-77	MS-1628P-10 MB-2508P MB-2981P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-1684P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-2215P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-4 3	AL-3	SH-1350S SH-1349 SH-1350 SH-1351	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
C/S Forging 143, 147, 726N, 1354N, 135411								
Connecting Rod 45 Lbs.Ft. Main Bearing 70 Lbs.Ft.								
43	204 CID (3.3L) LG7 Buick V6 Cyl (1989-1993)				3.701in./94mm x 3.160in./80.3mm			43
Rod Bearing(6) NOTE: 1989-1990	TM-77	CB-1228P	STD, 1,10,20,30,40	2.2487/2.2495	0.0005/0.0030	0.0619	2.3738/2.3745	0.6590
Rod Bearing(6) NOTE: 1991-1993	TM-77	CB-1443P	STD, 10,20,30	2.2487/2.2499	0.0010/0.0035	0.0619	2.3738/2.3745	0.7210
Rod Bearing(6) NOTE: 1989-1990, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1800P-10	20,30,40	2.2487/2.2495	0.0010/0.0035	0.0629	2.3758/2.3765	0.6590
Rod Bearing(6) NOTE: 1991-1993, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1806P-10	20,30	2.2487/2.2499	0.0010/0.0035	0.0629	2.3758/2.3765	0.7210
Main Bearing Set 1-3 2 4 NOTE: 1989-1990	TM-77	MS-960P MB-2433P MB-2434P(F) MB-2491P	STD, 1,10,20,30	2.4990/2.5000 2.4990/2.5000 2.4990/2.5000	0.0005/0.0034 0.0005/0.0034 0.0005/0.0034	0.0935 0.0935 0.0935	2.6870/2.6880 2.6870/2.6880 2.6870/2.6880	0.8690 1.0580 0.8690
Main Bearing Set 1-3 2 4 NOTE: 1989-1990, Contains .020" Oversize Length Flanged Bearing	TM-77	MS-1688P-10 MB-2433P MB-3063P(F) MB-2491P	20,30	2.4990/2.5000 2.4990/2.5000 2.4990/2.5000	0.0005/0.0034 0.0005/0.0034 0.0005/0.0034	0.0935 0.0935 0.0935	2.6870/2.6880 2.6870/2.6880 2.6870/2.6880	0.8690 1.0780 0.8690
Main Bearing Set 1-3 2 4 NOTE: 1989-1990, Contains .040" Oversize Length Flanged Bearing	TM-77	MS-1690P-20 MB-2433P MB-3064P(F) MB-2491P	30	2.4990/2.5000 2.4990/2.5000 2.4990/2.5000	0.0005/0.0034 0.0005/0.0034 0.0005/0.0034	0.0935 0.0935 0.0935	2.6870/2.6880 2.6870/2.6880 2.6870/2.6880	0.8690 1.0980 0.8690
Main Bearing Set 1-3 2 4 NOTE: 1989-1990, Contains .010" Oversize Length Flanged Bearing	TM-77	MS-1747P-10 MB-2433P MB-3125P(F) MB-2491P	20,30	2.4990/2.5000 2.4990/2.5000 2.4990/2.5000	0.0005/0.0034 0.0005/0.0034 0.0005/0.0034	0.0935 0.0935 0.0935	2.6870/2.6880 2.6870/2.6880 2.6870/2.6880	0.8690 1.0680 0.8690

GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
43 (Cont.)	204 CID (3.3L) LG7 Buick V6 Cyl (1989-1993)			3.701in./94mm x 3.160in./80.3mm				43 (Cont.)
Main Bearing Set	TM-77	MS-1822P	STD,10,20,30					
1-3		MB-3213P		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	0.8690
2		MB-3214P(F)		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	1.0580
4		MB-3215P		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	0.8690
NOTE: 1991-1993								
Cam Bearing Set	AL-3	SH-1448S	STD					
1-4		SH-1448		1.7850/1.7860	0.0005/0.0055	0.0745	1.9355/1.9375	0.7500
2-3		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300
C/S Forging 1235413								
Connecting Rod	20 Lbs.Ft. Plus 50 Degrees							
Main Bearing	26 Lbs.Ft. Plus 50 Degrees							
44	207 CID (3.4L) LQ1 DOHC Chevrolet V6 Cyl (1991-1997)			3.622in./92mm x 3.307in./84mm				44
Rod Bearing(6)	AL-5	CB-1238A-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0623	2.1245/2.1255	0.7205
Rod Bearing(6)	TM-77	CB-1238P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	1.9984/1.9994	0.0005/0.0035	0.0623	2.1245/2.1255	0.7205
Rod Bearing(6)	AL-5	CB-1797A-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0633	2.1265/2.1275	0.7205
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1797P-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0633	2.1265/2.1275	0.7205
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-2037A-.25mm	.50mm,.75mm					
1-4		MB-3511A		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9770
2		MB-3512A		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.7380
3		MB-3513A(F)		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9420
Main Bearing Set	TM-77	MS-2037P	STD,.25mm,.50mm,.75mm,1.00mm					
1-4		MB-3511P		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9770
2		MB-3512P		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.7380
3		MB-3513P(F)		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9420
Cam Bearing Set	AL-3	SH-1780S	STD					
1		SH-1780		1.8677/1.8697	0.0015/0.0035	0.0690	2.0090/2.0110	1.1810
2-3		SH-1363		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940
4		SH-1364		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
Connecting Rod	39 Lbs.Ft.							
Main Bearing	37 Lbs.Ft. Plus 75 Degrees (Bolts)							
Main Bearing	39 Lbs.Ft. (Nuts)							
45	212 CID (3.5L) LX5 Oldsmobile V6 Cyl (1999-2002)			3.524in./89.5mm x 3.524in./89.5mm				45
Rod Bearing(6)	TM-77	CB-1812P	STD,10,20	2.1829/2.1835	0.0001/0.0027	0.0722	2.3280/2.3290	0.7230
Rod Bearing(6)	TM-77	CB-1820P-10	STD,20	2.1829/2.1835	0.0001/0.0027	0.0732	2.3300/2.3310	0.7230
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-3	MS-2225AL	STD,10,20					
1-2-4		MB-3783P		2.7550/2.7560	0.0006/0.0018		3.0738/3.0742	
3		MB-3784P(F)		2.7550/2.7560	0.0006/0.0018		3.0738/3.0742	
Piston Pin Bushing(6)	C-1	223-3662	STD			0.0670	0.9235/0.9247	0.8560
NOTE: Requires Light Reaming								
46	216 CID (3.5L) Chevrolet 6 Cyl (1937-1953)			3.500in./88.9mm x 3.750in./95.3mm				46
Rod Bearing(6)	B-1	CB-503B	STD,10,20,30,40,60	2.3110/2.3120	0.0005/0.0031	0.0455	2.4030/2.4040	1.2350
NOTE: Precision Insert Bearing Type								
Con. Rod Bearing Shim Set		SM-104S	STD					
		SM-106				0.0080		
Main Bearing Shim Set		SM-105S	STD					
		SM-107				0.0060		
		SM-108				0.0060		
NOTE: 1948-1953								

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
46 (Cont.)	216 CID (3.5L) Chevrolet 6 Cyl (1937-1953)			3.500in./88.9mm x 3.750in./95.3mm				46 (Cont.)
Cam Bearing Set	B-1	SH-209S	STD,10					
1		SH-33		2.0282/2.0292	0.0005/0.0050	0.0649	2.1590/2.1610	1.1350
2		SH-34		1.9657/1.9667	0.0005/0.0050	0.0649	2.0965/2.0985	0.9470
3		SH-35		1.9032/1.9042	0.0005/0.0050	0.0649	2.0340/2.0360	0.9470
4		SH-209		1.8407/1.8417	0.0005/0.0050	0.0649	1.9715/1.9735	0.9470
Piston Pin Bushing(12)	C-1	223-3417	STD			0.2480	1.3600/1.3660	2.9700
NOTE: Cast Iron Piston, 2 Per Piston,Requires Light Reaming								
Rod Forging	8389, 9558, 838389, 839558, 3701890, 3835184, 3835274, 3835324, 3835609							
C/S Forging	839111, 839775, 3726271, 3835271, 3836271							
Connecting Rod	40 To 50 Lbs.Ft.							
47	225 CID (3.7L) Buick V6 Cyl (1964-1967)			3.750in./95.3mm x 3.400in./86.4mm				47
Rod Bearing(6)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set	TM-77	MS-960P	STD,1,10,20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-2434P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
Main Bearing Set	TM-77	MS-1688P-10	20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3063P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1690P-20	30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3064P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0980
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1747P-10	20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3125P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0680
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-506S	STD					
1		SH-506		1.7550/1.7560	0.0010/0.0060	0.0643	1.8855/1.8875	0.7600
2		SH-363		1.7250/1.7260	0.0010/0.0060	0.0643	1.8555/1.8575	0.7600
3		SH-364		1.6950/1.6960	0.0010/0.0060	0.0643	1.8255/1.8275	0.7600
4		SH-365		1.6650/1.6660	0.0010/0.0060	0.0643	1.7955/1.7975	0.7600
Rod Forging	201, 220, 673, 763, 779, 1357201, 1357333, 1377248, 25509405							
C/S Forging	230277, 230278, 230378, 378354, 1254083, 1255645, 1255646, 1255674, 1255846, 1255862, 1257125, 1260877, 1261438, 1261787, 1357898, 1378351, 1378354, 25505554, 25506397, 25506818, 25509404, 25514290, 25520329							
Connecting Rod	30 To 40 Lbs.Ft.							
Main Bearing	65 To 70 Lbs.Ft. (Thru 1964)							
Main Bearing	95 To 120 Lbs.Ft. (From 1965)							
48	228 CID (3.7L) General Motors 6 Cyl (1939-1953)			3.563in./90.5mm x 3.813in./96.9mm				48
	236 CID (3.9L) OHV General Motors 6 Cyl (1942-1946)			3.562in./90.5mm x 3.813in./96.9mm				
	248 CID (4.1L) General Motors 6 Cyl (1939-1955)			3.719in./94.5mm x 3.813in./96.9mm				
Rod Bearing(6)	TM-77	CB-427P	STD,10,20,30,40	2.3110/2.3120	0.0008/0.0033	0.0720	2.4563/2.4568	1.1070
NOTE: Connecting Rod With .160" Wide Locking Lip Slot								
Cam Bearing Set	B-1	SH-209S	STD,10					
1		SH-33		2.0282/2.0292	0.0005/0.0050	0.0649	2.1590/2.1610	1.1350
2		SH-34		1.9657/1.9667	0.0005/0.0050	0.0649	2.0965/2.0985	0.9470
3		SH-35		1.9032/1.9042	0.0005/0.0050	0.0649	2.0340/2.0360	0.9470
4		SH-209		1.8407/1.8417	0.0005/0.0050	0.0649	1.9715/1.9735	0.9470
Rod Forging	2341204, 5150059, 6107428							
C/S Forging	2144958, 2191127, 6107432							
Connecting Rod	40 To 50 Lbs.Ft.							
Main Bearing	70 To 80 Lbs.Ft.							

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
49	230 CID (3.8L) OHC Pontiac 6 Cyl (1966-1967)				3.875in./98.4mm x 3.250in./82.6mm				49
	250 CID (4.1L) OHC Pontiac 6 Cyl (1968-1969)				3.875in./98.4mm x 3.531in./89.7mm				
Rod Bearing(6)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420	
Main Bearing Set	TM-77	MS-617P	STD,1,10,20,30,40						
1-2-3-4-5-6		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070	
7		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090	
Rod Forging	8436, 3788435, 3788437, 3837419, 9793328								
C/S Forging	8424, 460407, 3788423, 3788424, 3788428, 3820618, 3855914, 3864465, 3876802, 3876840, 9782297								
Connecting Rod	35 To 45 Lbs.Ft.								
Main Bearing	60 To 70 Lbs.Ft.								
50	231 CID (3.8L) Carbureted Buick V6 Cyl (1975-1987)				3.800in./96.5mm x 3.400in./86.4mm				50
Rod Bearing(6)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420	
NOTE: 1975-1977, Odd Fire Engine									
Rod Bearing(6)	TM-77	CB-1228P	STD,1,10,20,30,40	2.2487/2.2495	0.0005/0.0030	0.0619	2.3738/2.3745	0.6590	
NOTE: 1977-1987, Even Fire Engine									
Rod Bearing(6)	TM-77	CB-1800P-10	20,30,40	2.2487/2.2495	0.0010/0.0035	0.0629	2.3758/2.3765	0.6590	
NOTE: 1977-1987, Even Fire Engine, Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	TM-77	MS-960P	STD,1,10,20,30						
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
2		MB-2434P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580	
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
Main Bearing Set	TM-77	MS-1688P-10	20,30						
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
2		MB-3063P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780	
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
NOTE: Contains .020" Oversize Length Flanged Bearing									
Main Bearing Set	TM-77	MS-1690P-20	30						
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
2		MB-3064P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0980	
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
NOTE: Contains .040" Oversize Length Flanged Bearing									
Main Bearing Set	TM-77	MS-1747P-10	20,30						
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
2		MB-3125P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0680	
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
NOTE: Contains .010" Oversize Length Flanged Bearing									
Cam Bearing Set	AL-3	SH-1385S	STD,10						
1		SH-1360		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.7600	
2-3-4		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300	
NOTE: 1975-1984,1985 14 Bolt Oil Pan									
Cam Bearing Set	AL-3	SH-1448S	STD						
1-4		SH-1448		1.7850/1.7860	0.0005/0.0055	0.0745	1.9355/1.9375	0.7500	
2-3		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300	
NOTE: 1986-1987,1985 20 Bolt Oil Pan									
Rod Forging	201, 220, 673, 763, 779, 1357201, 1357333, 1377248, 25509405								
C/S Forging	230277, 230278, 230378, 378354, 1254083, 1255645, 1255646, 1255674, 1255846, 1255862, 1257125, 1260877, 1261438, 1261787, 1357898, 1378351, 1378354, 25505554, 25506397, 25506818, 25509404, 25514290, 25520329								
Connecting Rod	40 Lbs.Ft.								
Main Bearing	110 Lbs.Ft.								
51	231 CID (3.8L) Fuel Injected Buick V6 Cyl (1984-2004)				3.800in./96.5mm x 3.397in./86.3mm				51
Rod Bearing(6)	TM-77	CB-1228P	STD,1,10,20,30,40	2.2487/2.2495	0.0005/0.0030	0.0619	2.3738/2.3745	0.6590	
NOTE: 1984-1989, 1990 VIN C									
Rod Bearing(6)	TM-77	CB-1443P	STD,10,20,30	2.2487/2.2499	0.0010/0.0035	0.0619	2.3738/2.3745	0.7210	
NOTE: 1991-2004, 1990 VIN L									
Rod Bearing(6)	TM-77	CB-1800P-10	20,30,40	2.2487/2.2495	0.0010/0.0035	0.0629	2.3758/2.3765	0.6590	
NOTE: 1984-1989, 1990 VIN C, Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Rod Bearing(6)	TM-77	CB-1806P-10	20,30	2.2487/2.2499	0.0010/0.0035	0.0629	2.3758/2.3765	0.7210	
NOTE: 1991-2004, 1990 VIN L, Connecting Rods With Housing Bore Resized .002" Larger Than Stock									

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
51 (Cont.)	231 CID (3.8L) Fuel Injected Buick V6 Cyl (1984-2004)				3.800in./96.5mm x 3.397in./86.3mm			51 (Cont.)
Main Bearing Set	TM-77	MS-960P	STD,1,10,20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-2434P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: 1984-1989,1990 VIN C								
Main Bearing Set	TM-77	MS-1688P-10	20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3063P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: 1984-1989,1990 VIN C, Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1690P-20	30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3064P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0980
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: 1984-1989,1990 VIN C, Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1747P-10	20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3125P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0680
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: 1984-1989,1990 VIN C, Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1822P	STD,10,20,30					
1-3		MB-3213P		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	0.8690
2		MB-3214P(F)		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	1.0580
4		MB-3215P		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	0.8690
NOTE: 1991 VIN C, 1990-1993 VIN L, Engines With 1/2" Main Bearing Bolts								
Main Bearing Set	TM-77	MS-2021P	STD,10,20,30					
1-3		MB-3213P		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	0.8690
2		MB-3214P(F)		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	1.0580
4		MB-3494P		2.4988/2.4998	0.0018/0.0030	0.0935	2.6870/2.6880	0.8690
NOTE: 1994 VIN L, Engines With 7/16" Main Bearing Bolts And Nodular Iron Main Bearing Caps								
Main Bearing Set	TM-77	MS-2022P	STD,10,20,30					
1		MB-3495P		2.4990/2.5000	0.0005/0.0022	0.0936	2.6870/2.6880	0.8690
2		MB-3214P(F)		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	1.0580
3		MB-3213P		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	0.8690
4		MB-3494P		2.4988/2.4998	0.0018/0.0030	0.0935	2.6870/2.6880	0.8690
NOTE: 1995 VIN L, 1995-2004 VIN K, Engines With 7/16" Main Bearing Bolts And Powdered Metal Main Bearing Caps								
Cam Bearing Set	AL-3	SH-1385S	STD,10					
1		SH-1360		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.7600
2-3-4		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300
NOTE: 1984-1985, VIN 3, 14 Bolt Oil Pan								
Cam Bearing Set	AL-3	SH-1448S	STD					
1-4		SH-1448		1.7850/1.7860	0.0005/0.0055	0.0745	1.9355/1.9375	0.7500
2-3		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300
NOTE: 1986-1994, 1985 VIN 3, 20 Bolt Oil Pan; 1995 VIN L								
Cam Bearing Set	AL-3	SH-1812S	STD					
1-4		SH-1812		1.8448/1.8462	0.0005/0.0055	0.0744	1.9755/1.9775	0.7600
2-3		SH-1813		1.8448/1.8462	0.0005/0.0055	0.0644	1.9755/1.9775	0.6300
NOTE: 1995-2004, VIN K								
Balance Shaft Bearing Set		SH-1798S	STD					
Rear		SH-1798		1.4986/1.5000	0.0005/0.0051	0.1866	1.8375/1.8745	0.8400
NOTE: 1995-2003, VIN K								
Piston Pin Bushing(6)	C-1	223-3647	STD			0.1100		0.8420
NOTE: 1995-2004, VIN K, Requires Light Reaming								
Connecting Rod Main Bearing	20 Lbs.Ft. Plus 50 Degrees 26 Lbs.Ft. Plus 50 Degrees							

GENERAL MOTORS CORP. (Cont.)

GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
52	231 CID (3.8L) Buick Supercharged V6 Cyl (1991-2004)			3.800in./96.5mm x 3.400in./86.4mm				52
Rod Bearing(6)	TM-77	CB-1443P	STD,10,20,30	2.2487/2.2499	0.0010/0.0035	0.0619	2.3738/2.3745	0.7210
Rod Bearing(6)	TM-77	CB-1806P-10	20,30	2.2487/2.2499	0.0010/0.0035	0.0629	2.3758/2.3765	0.7210
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-1822P	STD,10,20,30					
1-3		MB-3213P		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	0.8690
2		MB-3214P(F)		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	1.0580
4		MB-3215P		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	0.8690
NOTE: 1991-1993								
Main Bearing Set	TM-77	MS-2021P	STD,10,20,30					
1-3		MB-3213P		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	0.8690
2		MB-3214P(F)		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	1.0580
4		MB-3494P		2.4988/2.4998	0.0018/0.0030	0.0935	2.6870/2.6880	0.8690
NOTE: 1994								
Main Bearing Set	TM-77	MS-2022P	STD,10,20,30					
1		MB-3495P		2.4990/2.5000	0.0005/0.0022	0.0936	2.6870/2.6880	0.8690
2		MB-3214P(F)		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	1.0580
3		MB-3213P		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	0.8690
4		MB-3494P		2.4988/2.4998	0.0018/0.0030	0.0935	2.6870/2.6880	0.8690
NOTE: 1995-2004								
Cam Bearing Set	AL-3	SH-1448S	STD					
1-4		SH-1448		1.7850/1.7860	0.0005/0.0055	0.0745	1.9355/1.9375	0.7500
2-3		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300
NOTE: 1991-1995								
Cam Bearing Set	AL-3	SH-1812S	STD					
1-4		SH-1812		1.8448/1.8462	0.0005/0.0055	0.0744	1.9755/1.9775	0.7600
2-3		SH-1813		1.8448/1.8462	0.0005/0.0055	0.0644	1.9755/1.9775	0.6300
NOTE: 1996-2004								
Piston Pin Bushing(6)	C-1	223-3646	STD			0.1260		0.8500
NOTE: 1995-2003, Requires Light Reaming								
Connecting Rod	20 Lbs.Ft. Plus 50 Degrees							
Main Bearing	26 Lbs.Ft. Plus 50 Degrees							
53	235 CID (3.9L) Chevrolet 6 Cyl (1950-1962)			3.563in./90.5mm x 3.938in./100mm				53
53	235 CID (3.9L) Corvette Chevrolet 6 Cyl (1953-1955)			3.563in./90.5mm x 3.938in./100mm				53
Rod Bearing(6)	TM-77	CB-416P	STD,1,2,10,20,30,40,50,C60	2.3110/2.3120	0.0011/0.0036	0.0621	2.4367/2.4372	1.0330
NOTE: 1953-1962								
Rod Bearing(6)	B-1	CB-503B	STD,10,20,30,40,60	2.3110/2.3120	0.0005/0.0031	0.0455	2.4030/2.4040	1.2350
NOTE: 1950-1953, Precision Insert Bearing Type								
Con. Rod Bearing Shim Set		SM-104S	STD					
		SM-106				0.0080		
NOTE: 1950-1953								
Main Bearing Set	TM-77	MS-189P-10	20					
1		MB-1690P		2.6835/2.6845	0.0008/0.0039	0.0955	2.8760/2.8775	1.0980
2		MB-1691P		2.7415/2.7155	0.0008/0.0039	0.0955	2.9070/2.9085	0.9420
3		MB-1692P(F)		2.7455/2.7465	0.0008/0.0039	0.0955	2.9380/2.9395	1.2430
4		MB-1693P		2.7765/2.7775	0.0008/0.0039	0.0955	2.9690/2.9705	1.2240
NOTE: 1953-1955, Dowel Pin Type Main Bearings, Under Normal Conditions Main Bearings Should Be Assembled With A .004" Shim Pack On Each Side Between The Caps And The Block, But Not To Extend Between The Bearing Parting Line Surface. Remove Shims To Give Slight Drag, Then Add One .002" Shim To One Side.								
Main Bearing Set	TM-77	MS-197P	STD,10,20,30,40					
1		MB-1721P		2.6835/2.6845	0.0006/0.0036	0.0955	2.8760/2.8770	1.0980
2		MB-1722P		2.7145/2.7155	0.0006/0.0036	0.0955	2.9070/2.9080	0.9420
3		MB-1723P(F)		2.7455/2.7465	0.0006/0.0036	0.0955	2.9380/2.9390	1.2430
4		MB-1724P		2.7765/2.7775	0.0006/0.0036	0.0955	2.9690/2.9700	1.2240
NOTE: 1955-1962, Locking Lip Type Upper Half Main Bearings, Under Normal Conditions Main Bearings Should Be Assembled With A .004" Shim Pack On Each Side Between The Caps And The Block, But Not To Extend Between The Bearing Parting Line Surface. Remove Shims To Give Slight Drag, Then Add One .002" Shim To One Side.								

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
53 (Cont.)	235 CID (3.9L) Chevrolet 6 Cyl (1950-1962)			3.563in./90.5mm x 3.938in./100mm				53 (Cont.)
235 CID (3.9L) Corvette Chevrolet 6 Cyl (1953-1955)				3.563in./90.5mm x 3.938in./100mm				
Main Bearing Shim Set		SM-105S	STD	0.0060 0.0060				
		SM-107						
		SM-108						
NOTE: 1950-1953								
Main Bearing Shim Set		SM-124S	STD	0.0080 0.0080				
		SM-140						
		SM-141						
NOTE: 1953-1962								
Cam Bearing Set	B-1	SH-209S	STD,10	2.0282/2.0292 0.0005/0.0050 0.0649 2.1590/2.1610 1.1350 1.9657/1.9667 0.0005/0.0050 0.0649 2.0965/2.0985 0.9470 1.9032/1.9042 0.0005/0.0050 0.0649 2.0340/2.0360 0.9470 1.8407/1.8417 0.0005/0.0050 0.0649 1.9715/1.9735 0.9470				
1		SH-33						
2		SH-34						
3		SH-35						
4		SH-209						
NOTE: 1950-1953, 1954 With 2.029" Diameter Number 1 Camshaft Journal,Small Journals								
Cam Bearing Set	TM-77	SH-383S	STD	2.1537/2.1547 0.0005/0.0050 0.0645 2.2840/2.2860 1.1300 2.0912/2.0922 0.0005/0.0050 0.0645 2.2215/2.2235 0.9500 2.0287/2.0297 0.0005/0.0050 0.0645 2.1590/2.1610 0.9500 1.9662/1.9672 0.0010/0.0050 0.0644 2.0970/2.0980 0.9470				
1		SH-263						
2		SH-264						
3		SH-265						
4		SH-383						
NOTE: 1955-1962, 1954 With 2.154" Diameter Number 1 Camshaft Journal,Large Journals								
Piston Pin Bushing(12)	C-1	223-3417	STD	0.2480 1.3600/1.3660 2.9700				
NOTE: 1950-1953, Cast Iron Piston, 2 Per Piston,Requires Light Reaming								
Rod Forging	1491, 6410, 838389, 839558, 3701491, 3701890, 3702448, 3835184, 3835274, 3835324, 3835609, 3836410, 3836456, 3836671, 3836964							
C/S Forging	P, 839750, 3660345, 3701486, 3701488, 3701894, 3770324, 3770327, 3826271, 3835311, 3835501, 3835709, 3701488-A, 3835709PG							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	100 To 110 Lbs.Ft.							
54	250 CID (4.1L) Chevrolet 6 Cyl (1966-1984)			3.875in./98.4mm x 3.531in./89.7mm				54
Rod Bearing(6)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-617P	STD,1,10,20,30,40	2.2983/2.2993 0.0006/0.0036 0.0955 2.4906/2.4916 0.8070 2.2983/2.2993 0.0006/0.0036 0.0955 2.4906/2.4916 1.0090				
1-2-3-4-5-6		MB-3135P						
7		MB-2588P(F)						
Cam Bearing Set	AL-3	SH-399S	STD,10	1.8682/1.8692 0.0005/0.0050 0.0697 2.0090/2.0110 0.8700 1.8682/1.8692 0.0005/0.0050 0.0647 1.9990/2.0010 0.8700				
1-4		SH-399						
2-3		SH-400						
NOTE: 1966-1970								
Cam Bearing Set	AL-3	SH-718S	STD,10	1.8682/1.8692 0.0005/0.0050 0.0647 1.9990/2.0010 0.8700				
1-2-3-4		SH-400						
NOTE: 1971-1984								
Rod Forging	3788435, 3788437, 3837419, 3977110, 9793328							
C/S Forging	460407, 480407, 3855914, 3876802, 3876804, 3876840, 9790154							
Connecting Rod	35 To 45 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
55	254 CID (4.2L) LL8 -Vortec 4200,DOHC,24v Chevrolet 6 Cyl (2002-2005)			3.661in./93mm x 4.016in./102mm				55
Rod Bearing(6)	TM-77	CB-1811P	STD,10,20	2.2319/2.2325	0.0002/0.0024	0.0711	2.3749/2.3755	0.8110
Rod Bearing(6)	TM-77	CB-1816P-10	20	2.2319/2.2325	0.0002/0.0024	0.0721	2.3769/2.3775	0.8110
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-3	MS-2224AL	STD,10,20	2.7546/2.7552 0.0003/0.0020 0.1592 3.0736/3.0743 0.8141 2.7546/2.7552 0.0003/0.0020 0.1592 3.0736/3.0743 0.9980				
1-2-3-4-6-7		MB-3781P						
5		MB-3782P(F)						
Piston Pin Bushing(6)	C-1	223-3664		0.9054/0.9055		0.0540	1.0180	0.9350
56	260 CID (4.3L) Oldsmobile Diesel V6 Cyl (1982-1985)			4.057in./103mm x 3.385in./86mm				56
Rod Bearing(6)	TM-77	CB-1366P	STD,10	2.2490/2.2500	0.0005/0.0025	0.0618	2.3742/2.3750	0.8750

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
56 (Cont.)	260 CID (4.3L) Oldsmobile Diesel V6 Cyl (1982-1985)			4.057in./103mm x 3.385in./86mm				56 (Cont.)	
Main Bearing Set	TM-77	MS-1616P	STD,10						
1		MB-2362P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9800	
2		MB-2163P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9790	
3		MB-2363P(F)		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	1.1950	
4		MB-2964P		2.9993/3.0003	0.0018/0.0034	0.0932	3.1880/3.1890	1.2700	
Cam Bearing Set	AL-3	SH-1356S	STD						
1		SH-1359		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980	
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980	
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980	
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980	
Piston Pin Bushing(6)	C-1	223-3555	STD			0.0620	1.1950/1.1965	0.9750	
NOTE: Requires Boring									
Rod Forging	0997, 380282, 380283, 380383, 398410, 410997								
C/S Forging	230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 556607, 1235419, 1375802, 1398346								
Connecting Rod	42 Lbs.Ft.								
Main Bearing	107 Lbs.Ft. (1982)								
Main Bearing	89 Lbs.Ft. (1983-1985)								
57	261 CID (4.3L) Chevrolet 6 Cyl (1954-1962)			3.750in./95.3mm x 3.938in./100mm				57	
Rod Bearing(6)	TM-77	CB-416P	STD,1,2,10,20,30,40,50,C60	2.3110/2.3120	0.0011/0.0036	0.0621	2.4367/2.4372	1.0330	
Main Bearing Set	TM-77	MS-189P-10	20						
1		MB-1690P		2.6835/2.6845	0.0008/0.0039	0.0955	2.8760/2.8775	1.0980	
2		MB-1691P		2.7415/2.7155	0.0008/0.0039	0.0955	2.9070/2.9085	0.9420	
3		MB-1692P(F)		2.7455/2.7465	0.0008/0.0039	0.0955	2.9380/2.9395	1.2430	
4		MB-1693P		2.7765/2.7775	0.0008/0.0039	0.0955	2.9690/2.9705	1.2240	
NOTE: 1954-1955, Dowel Pin Type Main Bearings, Under Normal Conditions Main Bearings Should Be Assembled With A .004" Shim Pack On Each Side Between The Caps And The Block, But Not To Extend Between The Bearing Parting Line Surface. Remove Shims To Give Slight Drag, Then Add One .002" Shim To One Side., Use With Part Number SM-124S									
Main Bearing Set	TM-77	MS-197P	STD,10,20,30,40						
1		MB-1721P		2.6835/2.6845	0.0006/0.0036	0.0955	2.8760/2.8770	1.0980	
2		MB-1722P		2.7145/2.7155	0.0006/0.0036	0.0955	2.9070/2.9080	0.9420	
3		MB-1723P(F)		2.7455/2.7465	0.0006/0.0036	0.0955	2.9380/2.9390	1.2430	
4		MB-1724P		2.7765/2.7775	0.0006/0.0036	0.0955	2.9690/2.9700	1.2240	
NOTE: 1955-1962, Locking Lip Type Upper Half Main Bearings, Under Normal Conditions Main Bearings Should Be Assembled With A .004" Shim Pack On Each Side Between The Caps And The Block, But Not To Extend Between The Bearing Parting Line Surface. Remove Shims To Give Slight Drag, Then Add One .002" Shim To One Side., Use With Part Number SM-124S									
Main Bearing Shim Set		SM-124S	STD						
		SM-140				0.0080			
		SM-141				0.0080			
Cam Bearing Set	B-1	SH-209S	STD,10						
1		SH-33		2.0282/2.0292	0.0005/0.0050	0.0649	2.1590/2.1610	1.1350	
2		SH-34		1.9657/1.9667	0.0005/0.0050	0.0649	2.0965/2.0985	0.9470	
3		SH-35		1.9032/1.9042	0.0005/0.0050	0.0649	2.0340/2.0360	0.9470	
4		SH-209		1.8407/1.8417	0.0005/0.0050	0.0649	1.9715/1.9735	0.9470	
NOTE: 1954, 2.029" Diameter Number 1 Camshaft Journal, Small Journals									
Cam Bearing Set	TM-77	SH-383S	STD						
1		SH-263		2.1537/2.1547	0.0005/0.0050	0.0645	2.2840/2.2860	1.1300	
2		SH-264		2.0912/2.0922	0.0005/0.0050	0.0645	2.2215/2.2235	0.9500	
3		SH-265		2.0287/2.0297	0.0005/0.0050	0.0645	2.1590/2.1610	0.9500	
4		SH-383		1.9662/1.9672	0.0010/0.0050	0.0644	2.0970/2.0980	0.9470	
NOTE: 1955-1962, 1954 With 2.154" Diameter Number 1 Camshaft Journal, Large Journals									
Rod Forging	1491, 6410, 3701491, 3702448, 3836410, 3836456, 3836671, 3836964								
C/S Forging	P, 3701486, 3701488, 3701894, 3770324, 3770327, 3701488-A								
Connecting Rod	35 To 45 Lbs.Ft.								
Main Bearing	100 To 110 Lbs.Ft.								

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
58	262 CID (4.3L) Chevrolet V6 Cyl (1985-1996)			4.000in./101.6mm x 3.484in./88.5mm				58
	262 CID (4.3L) LB4 (ZR9/Z79) Chevrolet Turbocharged/Intercooled V6 Cyl (1991-1993)			4.000in./101.6mm x 3.484in./88.5mm				
	262 CID (4.3L) Vortec 4300 Chevrolet V6 Cyl (1992-2004)			4.000in./101.6mm x 3.484in./88.5mm				
Rod Bearing(6)	AL-5	CB-1358A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	TM-77	CB-1358P	STD,1,10,20,30,40	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	AL-5	CB-1794A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1794P-10	20,30,40	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3	AL-5	MS-1454A-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508A		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
		MB-2509A(F)						
Main Bearing Set 1-2-3	TM-77	MS-1454P	STD,1,10,20,30,40	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
		MB-2509P(F)						
Main Bearing Set 1-2-3	TM-77	MS-1628P-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	0.8070
		MB-2981P(F)						1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3	TM-77	MS-1684P-20		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
		MB-3060P(F)						
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3	TM-77	MS-2215P-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
		MB-3119P(F)						
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1	AL-3	SH-1350S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-4		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
		SH-1351						
NOTE: 1985-1991, 1992-2004 Except Engines Stamped With Identification Number Located On Front Of Block Starting With "T"								
Cam Bearing Set 1-4	AL-3	SH-1351S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
3		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
		SH-1350						
NOTE: 1992-2004, Engines Stamped With Identification Number On Front Of Block Starting With "T"								
Balance Shaft Bearing Set Rear		SH-1798S	STD					
		SH-1798		1.4986/1.5000	0.0005/0.0051	0.1866	1.8375/1.8745	0.8400
NOTE: 1992-2004, Except Engines With Roller Bearings								
C/S Forging	09N, 1.9, 11M, 143, 147, 003K, 003N, 10-B, 726N, 1174N, 1354N, 135411, 020201A1							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							
59	270 CID (4.4L) OHV General Motors 6 Cyl (1939-1962)			3.781in./96mm x 4.000in./101.6mm				59
	302 CID (5.0L) OHV General Motors 6 Cyl (1952-1959)			4.000in./101.6mm x 4.000in./101.6mm				
Rod Bearing(6)	TM-77	CB-427P	STD,10,20,30,40	2.3110/2.3120	0.0008/0.0033	0.0720	2.4563/2.4568	1.1070
NOTE: Connecting Rod With .160" Wide Locking Lip Slot								
Main Bearing Set 1	TM-77	MS-428P-10	30	2.6835/2.6845	0.0010/0.0040	0.0938	2.8728/2.8738	1.2550
2		MB-929P		2.7145/2.7155	0.0010/0.0040	0.0938	2.9038/2.9048	1.2100
3		MB-930P		2.7455/2.7465	0.0010/0.0040	0.0938	2.9348/2.9358	1.4320
4		MB-1809P(F)		2.7761/2.7771	0.0014/0.0044	0.0938	2.9658/2.9668	1.4950
		MB-1854P						
NOTE: 1956-1962								
Cam Bearing Set 1	B-1	SH-209S	STD,10	2.0282/2.0292	0.0005/0.0050	0.0649	2.1590/2.1610	1.1350
2		SH-33		1.9657/1.9667	0.0005/0.0050	0.0649	2.0965/2.0985	0.9470
3		SH-34		1.9032/1.9042	0.0005/0.0050	0.0649	2.0340/2.0360	0.9470
4		SH-35		1.8407/1.8417	0.0005/0.0050	0.0649	1.9715/1.9735	0.9470
		SH-209						

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
59 (Cont.)	270 CID (4.4L) OHV General Motors 6 Cyl (1939-1962)				3.781in./96mm x 4.000in./101.6mm			59 (Cont.)
	302 CID (5.0L) OHV General Motors 6 Cyl (1952-1959)				4.000in./101.6mm x 4.000in./101.6mm			
Rod Forging	2135419, 2341204, 5150059, 6107428, 6255633							
C/S Forging	883550, 2090911, 2135416, 2136119, 2192941, 2194012, 2194570, 2194958, 2342204, 2342664, 2362229, 2404929, 2491012, 5132942							
Connecting Rod	40 To 50 Lbs.Ft.							
Main Bearing	100 To 110 Lbs.Ft. (270 CID)							
Main Bearing	90 To 100 Lbs.Ft. (302 CID)							
60	292 CID (4.8L) Chevrolet 6 Cyl (1963-1989)				3.875in./98.4mm x 4.125in./104.8mm			60
Rod Bearing(6)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(6)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(6)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-617P	STD,1,10,20,30,40	2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
1-2-3-4-5-6		MB-3135P						
7		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set	AL-3	SH-399S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
1-4		SH-399						
2-3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
NOTE: 1963-1970								
Cam Bearing Set	AL-3	SH-718S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
1-2-3-4		SH-400						
NOTE: 1971-1989								
Rod Forging	9420, 3789419, 3789422							
C/S Forging	0363, 4653, 2774220, 3299990, 3789412, 3855914, 3879412, 3884653, 3886061, 3910362, 3910363, 2774220N, 3298880N, 3299990N, 3855914N							
Connecting Rod	30 To 35 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
61	305 CID (5.0L) General Motors V6 Cyl (1960-1974)				4.250in./108mm x 3.578in./90.8mm			61
	351 CID (5.8L) General Motors V6 Cyl (1960-1972)				4.563in./115.9mm x 3.578in./90.8mm			
	351 CID (5.8L) D General Motors Diesel V6 Cyl (1964-1967)				4.563in./115.9mm x 3.578in./90.8mm			
	401 CID (6.6L) General Motors V6 Cyl (1960-1972)				4.875in./123.8mm x 3.578in./90.8mm			
	478 CID (7.8L) General Motors V6 Cyl (1964-1974)				5.125in./130.2mm x 3.859in./98mm			
	478 CID (7.8L) General Motors Diesel V6 Cyl (1964-1974)				5.125in./130.2mm x 3.859in./98mm			
Rod Bearing(6)	TM-77	CB-586P	STD,2,10,20,30,40,C60	2.8112/2.8122	0.0015/0.0040	0.1014	3.0160/3.0165	0.9400
Main Bearing Set	TM-77	MS-521P-10	20,40	3.1237/3.1247	0.0016/0.0046	0.0995	3.3250/3.3260	1.1600
1-2-4		MB-2009P						
3		MB-2010P(F)		3.1237/3.1247	0.0016/0.0046	0.0995	3.3250/3.3260	1.5290
NOTE: 1960-1972, Undersize Bearings Can Be Used But The Crankshaft Must Be Rehardened By The TUFFTRIDED Process								
Piston Pin Bushing(6)	C-1	223-3512	STD			0.0460	1.3125/1.3135	1.2920
NOTE: Requires Boring								
Rod Forging	2389554, 2434826, 2448949, 2470891, 2474281, 2477425, 2484084							
C/S Forging	12231, 651827, 672016, 2364417, 2366209, 2367417, 2419583, 2454001, 2454017, 2454191, 2454192, 2475494, 2475793, 2475794, 2475795, 2475796, 2566209, 2867417, 8877367							
Connecting Rod	55 To 65 Lbs.Ft. (351 CID (5.8L) D,478 CID (7.8L) DH)							
Connecting Rod	65 To 75 Lbs.Ft. (305 CID (5.0L) ,351 CID (5.8L) ,401 CID (6.6L) ,478 CID (7.8L) L29)							
Main Bearing	130 To 140 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	170 To 180 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	55 To 65 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	85 To 95 Lbs.Ft. (Rear Bearing Cap)							
62	379 CID (6.2L) General Motors V6 Cyl (1973-1974)				4.563in./115.9mm x 3.859in./98mm			62
	432 CID (7.1L) General Motors V6 Cyl (1973-1974)				4.875in./123.8mm x 3.859in./98mm			
Rod Bearing(6)	TM-77	CB-586P	STD,2,10,20,30,40,C60	2.8112/2.8122	0.0015/0.0040	0.1014	3.0160/3.0165	0.9400
Piston Pin Bushing(6)	C-1	223-3512	STD			0.0460	1.3125/1.3135	1.2920
NOTE: Requires Boring								
Rod Forging	2448949, 2474281, 2484084							
C/S Forging	672016, 2419583, 8877367							
Connecting Rod	65 To 75 Lbs.Ft.							

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL								
63	215 CID (3.5L) Aluminum Block & Heads Buick V8 Cyl (1961-1963)				3.500in./88.9mm x 2.800in./71.1mm			63
Rod Bearing(8)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set 1-2-4-5	TM-77	MS-558P	STD,10	2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
3		MB-3135P MB-2075P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0580
Rod Forging	205, B7B, 1193339							
C/S Forging	1193645							
Connecting Rod	30 To 45 Lbs.Ft.							
Main Bearing	50 To 55 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	65 To 70 Lbs.Ft. (Rear Bearing Cap)							
64	244 CID (4.0L) L47 Oldsmobile V8 Cyl (1995-2003)				3.425in./87mm x 3.307in./84mm			64
	281 CID (4.6L) Cadillac V8 Cyl (1993-2005)				3.661in./93mm x 3.307in./84mm			
Rod Bearing(8)	TM-77	CB-1648P	STD,.25mm,.50mm,.75mm	2.1235/2.1245	0.0002/0.0027	0.0624	2.2494/2.2505	0.7600
Main Bearing Set 1-2-4-5	AL-3	MS-2206P	STD,.25mm,.50mm,.75mm	2.5335/2.5340	0.0011/0.0024	0.1591	2.8516/2.8521	0.8140
3		MB-3758P MB-3759P(F)		2.5330/2.5338	0.0011/0.0024	0.1591	2.8516/2.8521	0.9250
NOTE: 1993-2003								
Piston Pin Bushing(8)	C-1	223-3648	STD			0.1008		0.8563
NOTE: 1993-1999, Requires Light Reaming								
Piston Pin Bushing(8)	C-1	223-3662	STD			0.0670	0.9235/0.9247	0.8560
NOTE: 2000-2003, Requires Light Reaming								
65	252 CID (4.1L) Cadillac V8 Cyl (1982-1988)				3.465in./88mm x 3.307in./84mm			65
	273 CID (4.5L) Cadillac V8 Cyl (1988-1992)				3.622in./92mm x 3.307in./84mm			
	300 CID (4.9L) L26 Cadillac V8 Cyl (1991-1995)				3.622in./92mm x 3.622in./92mm			
Rod Bearing(8)	TM-77	CB-1351P	STD,.026mm,.25mm,.50mm,.75mm	1.9269/1.9279	0.0008/0.0034	0.0620	2.0524/2.0530	0.6640
Main Bearing Set 1	TM-77	MS-1705P	STD,.026mm,.25mm,.50mm,.75mm	2.6354/2.6364	0.0005/0.0032	0.0962	2.8276/2.8283	0.9500
2-4		MB-2960P		2.6354/2.6364	0.0009/0.0036	0.0960	2.8276/2.8283	0.9500
3		MB-2961P		2.6354/2.6364	0.0016/0.0043	0.0955	2.8276/2.8283	1.2920
5		MB-2962P(F) MB-3103P		2.6354/2.6364	0.0009/0.0036	0.0960	2.8276/2.8283	0.9820
NOTE: Use A .026mm Undersize Bearing In Position 1 If Oil Clearance Greater Than .0040"								
Cam Bearing Set 1	B-1	SH-1371S	STD	2.0358/2.0366	0.0010/0.0045	0.0652	2.1680/2.1695	0.5960
2		SH-1371		2.0157/2.0165	0.0011/0.0046	0.0652	2.1480/2.1495	0.5960
3		SH-1372		1.9957/1.9965	0.0011/0.0046	0.0652	2.1280/2.1295	0.5960
4		SH-1373		1.9756/1.9764	0.0012/0.0047	0.0652	2.1080/2.1095	0.5960
5		SH-1374		1.9559/1.9567	0.0009/0.0044	0.0652	2.0880/2.0895	0.5960
Rod Forging	63, 099, 875							
C/S Forging	1617590, 1629091, 1646737, 3520090							
Connecting Rod	22 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
66	260 CID (4.3L) LF7 Oldsmobile Diesel V8 Cyl (1979)				3.500in./88.9mm x 3.385in./86mm			66
	350 CID (5.7L) Oldsmobile Diesel V8 Cyl (1978-1985)				4.057in./103mm x 3.385in./86mm			
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40	2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310
Main Bearing Set 1	TM-77	MS-804P	STD,10,20,30	2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9800
2-4		MB-2362P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9790
3		MB-2163P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	1.1950
5		MB-2363P(F) MB-2364P		2.9993/3.0003	0.0016/0.0049	0.0932	3.1880/3.1890	1.6290
Cam Bearing Set 1	AL-3	SH-1355S	STD	2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1359		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1355		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1356		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1357		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
Piston Pin Bushing(8)	C-1	223-3555	STD			0.0620	1.1950/1.1965	0.9750
NOTE: Requires Boring								

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
66 (Cont.)	260 CID (4.3L) LF7 Oldsmobile Diesel V8 Cyl (1979) 350 CID (5.7L) Oldsmobile Diesel V8 Cyl (1978-1985)				3.500in./88.9mm x 3.385in./86mm 4.057in./103mm x 3.385in./86mm			66 (Cont.)
Rod Forging	0997, 380282, 380283, 380383, 398410, 410997							
C/S Forging	230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 556607, 558711, 1235419, 1375802, 1398346							
Connecting Rod	42 Lbs.Ft.							
Main Bearing	120 Lbs.Ft.							
67	260 CID (4.3L) LV8 Oldsmobile V8 Cyl (1975-1982) 350 CID (5.7L) Oldsmobile V8 Cyl (1968-1980)				3.500in./88.9mm x 3.385in./86mm 4.057in./103mm x 3.385in./86mm			67
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40	2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310
Main Bearing Set	TM-77	MS-805P	STD,1,10,20,30					
1		MB-2365P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
2-4		MB-2251P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
3		MB-2252P(F)		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950
5		MB-2253P		2.4985/2.4995	0.0014/0.0044	0.0932	2.6870/2.6880	1.6290
Cam Bearing Set	AL-3	SH-1354S	STD					
1		SH-1354		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
NOTE: 1968-1976								
Cam Bearing Set	AL-3	SH-1355S	STD					
1		SH-1359		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
NOTE: 1977-1982								
Rod Forging	0997, 380282, 380283, 380383, 398410, 410997							
C/S Forging	230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 556607, 1235419, 1375802, 1398346							
Connecting Rod	42 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)							
68	262 CID (4.3L) Chevrolet V8 Cyl (1975-1976) 265 CID (4.3L) L99 Chevrolet V8 Cyl (1994-1996) 267 CID (4.4L) Chevrolet V8 Cyl (1980) 267 CID (4.4L) L39 Chevrolet V8 Cyl (1979-1982) 305 CID (5.0L) Chevrolet V8 Cyl (1976-2002) 305 CID (5.0L) Chevrolet LPG V8 Cyl (1976-1994) 307 CID (5.0L) Chevrolet V8 Cyl (1968-1973) 350 CID (5.7L) Chevrolet LPG V8 Cyl (1967-1985) 350 CID (5.7L) Carbureted Chevrolet V8 Cyl (1967-1989) 350 CID (5.7L) Fuel Injected Chevrolet V8 Cyl (1982-2002) 350 CID (5.7L) KL5 Chevrolet CNG V8 Cyl (1995-2000)				3.670in./93.2mm x 3.100in./78.7mm 3.750in./95.3mm x 3.000in./76.2mm 3.500in./88.9mm x 3.484in./88.5mm 3.500in./88.9mm x 3.484in./88.5mm 3.736in./95mm x 3.484in./88.5mm 3.736in./95mm x 3.484in./88.5mm 3.875in./98.4mm x 3.250in./82.6mm 4.000in./101.6mm x 3.484in./88.5mm 4.000in./101.6mm x 3.484in./88.5mm 4.000in./101.6mm x 3.484in./88.5mm 4.000in./101.6mm x 3.484in./88.5mm			68
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-909A-10	20,30					
1-2-3-4		MB-2508A		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set	TM-77	MS-909P	STD,1,2,10,20,30,40,C60					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1626P-10	20,30,40					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
68 (Cont.)	262 CID (4.3L) Chevrolet V8 Cyl (1975-1976)				3.670in./93.2mm x 3.100in./78.7mm			68 (Cont.)
	265 CID (4.3L) L99 Chevrolet V8 Cyl (1994-1996)				3.750in./95.3mm x 3.000in./76.2mm			
	267 CID (4.4L) Chevrolet V8 Cyl (1980)				3.500in./88.9mm x 3.484in./88.5mm			
	267 CID (4.4L) L39 Chevrolet V8 Cyl (1979-1982)				3.500in./88.9mm x 3.484in./88.5mm			
	305 CID (5.0L) Chevrolet V8 Cyl (1976-2002)				3.736in./95mm x 3.484in./88.5mm			
	305 CID (5.0L) Chevrolet LPG V8 Cyl (1976-1994)				3.736in./95mm x 3.484in./88.5mm			
	307 CID (5.0L) Chevrolet V8 Cyl (1968-1973)				3.875in./98.4mm x 3.250in./82.6mm			
	350 CID (5.7L) Chevrolet LPG V8 Cyl (1967-1985)				4.000in./101.6mm x 3.484in./88.5mm			
	350 CID (5.7L) Carbureted Chevrolet V8 Cyl (1967-1989)				4.000in./101.6mm x 3.484in./88.5mm			
	350 CID (5.7L) Fuel Injected Chevrolet V8 Cyl (1982-2002)				4.000in./101.6mm x 3.484in./88.5mm			
350 CID (5.7L) KL5 Chevrolet CNG V8 Cyl (1995-2000)				4.000in./101.6mm x 3.484in./88.5mm				
Main Bearing Set TM-77 MS-1683P-20								
1-2-3-4 MB-2508P				2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5 MB-3060P(F)				2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set TM-77 MS-1744P-10 20,30								
1-2-3-4 MB-2508P				2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5 MB-3119P(F)				2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set B-1 SH-290S STD,10								
1 SH-290				1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5 SH-288				1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4 SH-287				1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
Cam Bearing Set AL-3 SH-1349S STD								
1 SH-1349				1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5 SH-1350				1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4 SH-1351				1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set AL-3 SH-1352S STD								
1-2-3-4-5 SH-1352				1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set AL-3 SH-1401S STD								
1-2-3-4-5 SH-1401				1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3185281, 3703526, 3703527, 3784000, 3815281, 3892671, 3916396, 3923282, 3946841							
C/S Forging	30R, 31M, 1130, 1178, 1182, 2680, 2690, 3279, 4577, 4672, 2NABC, 31-87, 3281N, 230376, 306275, 306276, 310514, 354431, 2Y68-76, 329880N, 3732444, 3832442, 3911000, 3911001, 3911011, 391101A, 3912335, 3914681, 3914682, 3930809, 3932444, 3941172, 3941174, 3941184, 4568749							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
69	264 CID (4.3L) Buick V8 Cyl (1954-1955)				3.625in./92.1mm x 3.200in./81.3mm			69
	322 CID (5.3L) Buick V8 Cyl (1953-1956)				4.000in./101.6mm x 3.200in./81.3mm			
Rod Bearing(8)	TM-77	CB-426P	STD,10	2.2490/2.2500	0.0005/0.0030	0.0619	2.3740/2.3745	0.8860
Rod Forging	1162050, 1168325, 1343144							
C/S Forging	1342999							
Connecting Rod	40 To 45 Lbs.Ft.							
70	265 CID (4.3L) Chevrolet V8 Cyl (1955-1957)				3.750in./95.3mm x 3.000in./76.2mm			70
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set TM-77 MS-429P STD,1,10,20,30,40								
1-2-3-4 MB-3135P				2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
5 MB-1769P(F)				2.2978/2.2988	0.0011/0.0041	0.0955	2.4906/2.4916	1.7180
Cam Bearing Set B-1 SH-287S STD								
1 SH-290				1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2 SH-288				1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4 SH-287				1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
5 SH-289				1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.9500
Cam Bearing Set AL-3 SH-1352S STD								
1-2-3-4-5 SH-1352				1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
70 (Cont.)	265 CID (4.3L) Chevrolet V8 Cyl (1955-1957)			3.750in./95.3mm x 3.000in./76.2mm				70 (Cont.)
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3703526, 3703527, 3784000, 3815281							
C/S Forging	1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft.							
71	265 CID (4.3L) LS5 Pontiac V8 Cyl (1980-1981)			3.750in./95.3mm x 3.000in./76.2mm				71
	301 CID (4.9L) Pontiac V8 Cyl (1977-1981)			4.000in./101.6mm x 3.000in./76.2mm				
	301 CID (4.9L) Pontiac Turbocharged V8 Cyl (1980-1981)			4.000in./101.6mm x 3.000in./76.2mm				
Rod Bearing(8)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set 1-2-3	TM-77	MS-1415P MB-2448P	STD,10,20,30	2.9995/3.0005	0.0008/0.0038	0.0935	3.1880/3.1890	0.8700
4		MB-2449P(F)		2.9995/3.0005	0.0008/0.0038	0.0935	3.1880/3.1890	1.0580
5		MB-1891P		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	1.5950
Cam Bearing Set 1-2-3-4-5	B-1	SH-292S SH-292	STD	1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	0.6900
Rod Forging	324							
C/S Forging	525887							
Connecting Rod	28 Lbs.Ft. (301 CID (4.9L) LU8)							
Connecting Rod	35 Lbs.Ft. (265 CID (4.3L) LS5,301 CID (4.9L) L27)							
Main Bearing	100 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	135 Lbs.Ft. (301 CID (4.9L) LU8)							
Main Bearing	70 Lbs.Ft. (Except Rear Bearing Cap)							
72	283 CID (4.6L) Chevrolet V8 Cyl (1957-1967)			3.875in./98.4mm x 3.000in./76.2mm				72
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set 1-2-3-4	TM-77	MS-429P MB-3135P	STD,1,10,20,30,40	2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
5		MB-1769P(F)		2.2978/2.2988	0.0011/0.0041	0.0955	2.4906/2.4916	1.7180
Cam Bearing Set 1	B-1	SH-287S SH-290	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
5		SH-289		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.9500
NOTE: 1957-1963								
Cam Bearing Set 1	B-1	SH-290S SH-290	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: 1964-1967								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3703526, 3703527, 3784000, 3815281							
C/S Forging	1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft.							
73	287 CID (4.7L) Pontiac V8 Cyl (1955)			3.750in./95.3mm x 3.250in./82.6mm				73
	317 CID (5.2L) General Motors V8 Cyl (1956)			3.937in./100mm x 3.250in./82.6mm				
	336 CID (5.5L) General Motors V8 Cyl (1958-1959)			3.875in./98.4mm x 3.563in./90.5mm				
	347 CID (5.7L) General Motors V8 Cyl (1957)			3.940in./100.1mm x 3.563in./90.5mm				
	370 CID (6.1L) Pontiac V8 Cyl (1958)			4.063in./103.2mm x 3.563in./90.5mm				
Rod Bearing(8)	TM-77	CB-758P	STD,1,10,20,30,40	2.2487/2.2497	0.0015/0.0040	0.0619	2.3745/2.3750	0.8860

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
73 (Cont.)	287 CID (4.7L) Pontiac V8 Cyl (1955)			3.750in./95.3mm x 3.250in./82.6mm			73 (Cont.)	
	317 CID (5.2L) General Motors V8 Cyl (1956)			3.937in./100mm x 3.250in./82.6mm				
	336 CID (5.5L) General Motors V8 Cyl (1958-1959)			3.875in./98.4mm x 3.563in./90.5mm				
	347 CID (5.7L) General Motors V8 Cyl (1957)			3.940in./100.1mm x 3.563in./90.5mm				
	370 CID (6.1L) Pontiac V8 Cyl (1958)			4.063in./103.2mm x 3.563in./90.5mm				
Cam Bearing Set 1	B-1	SH-291S	STD	1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	1.0700
2-3-4-5		SH-291 SH-292		1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	0.6900
Rod Forging	YC115, ZN115, 518114, 518115, 528979, 529907, 532294							
C/S Forging	518047, 521601, 521602, 523206, 528527, 530048, 531369							
Connecting Rod	35 To 45 Lbs.Ft.							
74	294 CID (4.8L) Vortec 4800 LR4 Chevrolet V8 Cyl (1999-2004)			3.780in./96mm x 3.268in./83mm			74	
	325 CID (5.3L) Vortec 5300 Chevrolet V8 Cyl (1999-2004)			3.780in./96mm x 3.622in./92mm				
	325 CID (5.3L) Vortec 5300 L59 Chevrolet Flex V8 Cyl (2002-2004)			3.780in./96mm x 3.622in./92mm				
	346 CID (5.7L) LS1 Chevrolet V8 Cyl (1997-2004)			3.898in./99mm x 3.622in./92mm				
	346 CID (5.7L) LS6 Chevrolet V8 Cyl (2001-2004)			3.898in./99mm x 3.622in./92mm				
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	TM-77	MS-2199P	STD,10,20,30	2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	0.8050
3		MB-3591P MB-3592P(F)		2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	1.0280
Cam Bearing Set 1-5	B-1	SH-1814S	STD	2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
2-4		SH-1814		2.1650/2.1670	0.0011/0.0063	0.0740	2.3161/2.3181	0.6350
3		SH-1816		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
NOTE: 1997-2002, 2003 1st Design Positions 1 And 5 Housing Bore is 2.3260"/2.3280"								
Cam Bearing Set 1-5	B-1	SH-1995S	STD	2.1650/2.1670	0.0011/0.0063	0.0890	2.3460/2.3480	0.6350
2-4		SH-1995		2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
3		SH-1814 SH-1816		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
NOTE: 2004, 2003 2nd Design Positions 1 And 5 Housing Bore is 2.3460"/2.3480"								
Rod Forging	121, 143							
C/S Forging	12552216, 12553482							
75	300 CID (4.9L) Buick V8 Cyl (1964-1967)			3.750in./95.3mm x 3.400in./86.4mm			75	
Rod Bearing(8)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set 1-2-4	TM-77	MS-961P	STD,10,20,30	2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
5		MB-2434P(F) MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580
Main Bearing Set 1-2-4	TM-77	MS-1689P-20	30	2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
5		MB-3063P(F) MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780
NOTE: Contains .020" Oversize Length Flanged Bearing								0.8690
Main Bearing Set 1-2-4	TM-77	MS-1691P-20	30	2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
5		MB-3064P(F) MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0980
NOTE: Contains .040" Oversize Length Flanged Bearing								0.8690
Cam Bearing Set 1	AL-3	SH-1360S	STD	1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.7600
2		SH-1360		1.7550/1.7560	0.0010/0.0060	0.0643	1.8855/1.8875	0.7600
3		SH-506		1.7250/1.7260	0.0010/0.0060	0.0643	1.8555/1.8575	0.7600
4		SH-363		1.6950/1.6960	0.0010/0.0060	0.0643	1.8255/1.8275	0.7600
5		SH-364 SH-365		1.6650/1.6660	0.0010/0.0060	0.0643	1.7955/1.7975	0.7600
Rod Forging	1377248							
C/S Forging	1357899, 1378350							

GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
75 (Cont.)	300 CID (4.9L) Buick V8 Cyl (1964-1967)			3.750in./95.3mm x 3.400in./86.4mm				75 (Cont.)
Connecting Rod	30 To 40 Lbs.Ft.							
Main Bearing	50 To 55 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	65 To 70 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	95 To 120 Lbs.Ft. (1965)							
76	302 CID (5.0L) Chevrolet V8 Cyl (1967-1969)			4.000in./101.6mm x 3.000in./76.2mm				76
Rod Bearing(8) NOTE: 1968-1969	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 1968-1969	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 1967	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Rod Bearing(8) NOTE: 1968-1969, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Rod Bearing(8) NOTE: 1968-1969, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Main Bearing Set 1-2-3-4 5 NOTE: 1967	TM-77	MS-429P MB-3135P MB-1769P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2978/2.2988	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 1968-1969	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 1968-1969, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 1968-1969, Contains .020" Oversize Length Flanged Bearing	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
Main Bearing Set 1-2-3-4 5 NOTE: 1968-1969, Contains .040" Oversize Length Flanged Bearing	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
Main Bearing Set 1-2-3-4 5 NOTE: 1968-1969, Contains .010" Oversize Length Flanged Bearing	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
Cam Bearing Set 1 2-5 3-4 NOTE: Heavy Duty Engine	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
Cam Bearing Set 1-2-3-4-5 NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
Cam Bearing Set 1-2-3-4-5 NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
Rod Forging C/S Forging	3703526, 3703527, 3784000, 3815281 1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3923278, 3941176, 3835236TG							

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
76 (Cont.)	302 CID (5.0L) Chevrolet V8 Cyl (1967-1969)			4.000in./101.6mm x 3.000in./76.2mm				76 (Cont.)
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft. (2.448" Diameter Main Bearing Journals)							
Main Bearing	80 Lbs.Ft. (2.298" Diameter Main Bearing Journals)							
77	303 CID (5.0L) Rocket V8 Oldsmobile V8 Cyl (1950-1953)			3.750in./95.3mm x 3.438in./87.3mm				77
	324 CID (5.3L) Rocket V8 Oldsmobile V8 Cyl (1954-1956)			3.875in./98.4mm x 3.438in./87.3mm				
Rod Bearing(8)	TM-77	CB-758P	STD,1,10,20,30,40	2.2487/2.2497	0.0015/0.0040	0.0619	2.3745/2.3750	0.8860
NOTE: Can Be Used With Connecting Rod 559360 Which Is Not Rifle Drilled								
Rod Forging	418557, 555645, 559360, 559361							
C/S Forging	5 E, 4XCUI, 4ZE1, 4XC-U, 4XCUT, 4XC-UT, 555638, 555699, 559432, 561656, 565624, 565699, 567405, 567943, 508E-6303, 565524DYNA, 565624DYNA							
Connecting Rod	35 To 50 Lbs.Ft. (303 CID (5.0L) Rocket V8)							
Connecting Rod	40 To 45 Lbs.Ft. (324 CID (5.3L) Rocket V8)							
78	307 CID (5.0L) Oldsmobile V8 Cyl (1980-1990)			3.800in./96.5mm x 3.385in./86mm				78
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40	2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310
Main Bearing Set	TM-77	MS-805P	STD,1,10,20,30					
1		MB-2365P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
2-4		MB-2251P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
3		MB-2252P(F)		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950
5		MB-2253P		2.4985/2.4995	0.0014/0.0044	0.0932	2.6870/2.6880	1.6290
Cam Bearing Set	AL-3	SH-1355S	STD					
1		SH-1359		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
Piston Pin Bushing(8)	C-1	223-3597	STD			0.0622	1.0830/1.0840	0.9200
NOTE: Requires Boring								
Rod Forging	0997, 380282, 380283, 380383, 398410, 410997							
C/S Forging	230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 556607, 1235419, 1375802, 1398346							
Connecting Rod	42 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)							
79	324 CID (5.3L) OHV General Motors V8 Cyl (1955-1956)			3.875in./98.4mm x 3.438in./87.3mm				79
Rod Bearing(8)	TM-77	CB-758P	STD,1,10,20,30,40	2.2487/2.2497	0.0015/0.0040	0.0619	2.3745/2.3750	0.8860
NOTE: Can Be Used With Connecting Rod 559360 Which Is Not Rifle Drilled								
Piston Pin Bushing(8)	B	223-3598	STD			0.0411	1.0360/1.0380	1.1900
NOTE: Requires Boring								
Rod Forging	418557, 555645, 559360, 559361							
C/S Forging	559432, 561656, 565624, 565699, 567405, 567943, 565624DYNA							
Connecting Rod	40 To 45 Lbs.Ft.							
80	326 CID (5.3L) Pontiac V8 Cyl (1963-1967)			3.719in./94.5mm x 3.750in./95.3mm				80
	350 CID (5.7L) Pontiac V8 Cyl (1968-1977)			3.875in./98.4mm x 3.750in./95.3mm				
	400 CID (6.6L) Pontiac V8 Cyl (1967-1979)			4.120in./104.6mm x 3.750in./95.3mm				
Rod Bearing(8)	TM-77	CB-758P	STD,1,10,20,30,40	2.2487/2.2497	0.0015/0.0040	0.0619	2.3745/2.3750	0.8860
Main Bearing Set	TM-1	MS-483G	STD,10,20,30					
1-2-3		MB-1889G		2.9990/3.0000	0.0007/0.0033	0.0938	3.1880/3.1890	0.9430
4		MB-1890G(F)		2.9990/3.0000	0.0007/0.0033	0.0938	3.1880/3.1890	1.1350
5		MB-1891P		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	1.5950
NOTE: Contains Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-496P	STD,10,20,30					
1-2-3		MB-1917P		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	0.9430
4		MB-1918P(F)		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	1.1350
5		MB-1891P		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	1.5950
NOTE: Contains Full Annular Grooved Bearings								
Cam Bearing Set	B-1	SH-292S	STD					
1-2-3-4-5		SH-292		1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	0.6900

GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
80 (Cont.)	326 CID (5.3L) Pontiac V8 Cyl (1963-1967)			3.719in./94.5mm x 3.750in./95.3mm				80 (Cont.)
	350 CID (5.7L) Pontiac V8 Cyl (1968-1977)			3.875in./98.4mm x 3.750in./95.3mm				
	400 CID (6.6L) Pontiac V8 Cyl (1967-1979)			4.120in./104.6mm x 3.750in./95.3mm				
Rod Forging	529007, 529238, 529938, 532294, 541000, 544956							
C/S Forging	4813, 97954, 103427, 481379, 481380, 493654, 496452, 531369, 541585, 544191, 9773382, 9773383, 9773524, 9773573, 9782646, 9782770, 9783785, 9783786, 9793573, 9794054, 9795479							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	95 Lbs.Ft. (Except Rear Bearing Cap)							
81	327 CID (5.4L) Chevrolet V8 Cyl (1962-1969)			4.000in./101.6mm x 3.250in./82.6mm				81
	327 CID (5.4L) Chevrolet LPG V8 Cyl (1962-1969)			4.000in./101.6mm x 3.250in./82.6mm				
Rod Bearing(8) NOTE: 1968-1969	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 1968-1969	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 1962-1967	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Rod Bearing(8) NOTE: 1968-1969, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Rod Bearing(8) NOTE: 1968-1969, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Main Bearing Set 1-2-3-4 5 NOTE: 1962-1967	TM-77	MS-429P MB-3135P MB-1769P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2978/2.2988	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 1968-1969	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 1968-1969, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 1968-1969, Contains .020" Oversize Length Flanged Bearing	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
Main Bearing Set 1-2-3-4 5 NOTE: 1968-1969, Contains .040" Oversize Length Flanged Bearing	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
Main Bearing Set 1-2-3-4 5 NOTE: 1968-1969, Contains .010" Oversize Length Flanged Bearing	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
Cam Bearing Set 1 2 3-4 5 NOTE: 1962-1963	B-1	SH-287S SH-290 SH-288 SH-287 SH-289	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644 0.0694	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500 0.9500
Cam Bearing Set 1 2-5 3-4 NOTE: 1964-1969	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
Cam Bearing Set 1 2-5 3-4 NOTE: 1964-1969, Heavy Duty Engine	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
81 (Cont.)	327 CID (5.4L) Chevrolet V8 Cyl (1962-1969)				4.000in./101.6mm x 3.250in./82.6mm			81 (Cont.)
	327 CID (5.4L) Chevrolet LPG V8 Cyl (1962-1969)				4.000in./101.6mm x 3.250in./82.6mm			
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3185281, 3703526, 3703527, 3784000, 3815281							
C/S Forging	1130, 1178, 1182, 2680, 3279, 4577, 4672, 3782680, 3815822, 3911000, 3911001, 3911011, 391101A, 3914681, 3914682, 3930809, 3941172, 3941174, 5782680							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft. (2.298" Diameter Main Bearing Journals)							
Main Bearing	75 Lbs.Ft. (2.448" Diameter Main Bearing Journals)							
82	330 CID (5.4L) OHV Oldsmobile V8 Cyl (1964-1967)				3.938in./100mm x 3.385in./86mm			82
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40	2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310
Main Bearing Set 1-2-4	TM-77	MS-697P MB-2365P	STD,10,20	2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
3		MB-2252P(F)		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950
5		MB-2253P		2.4985/2.4995	0.0014/0.0044	0.0932	2.6870/2.6880	1.6290
NOTE: Engines With Full Grooved Front Main Bearing,First Series								
Main Bearing Set 1	TM-77	MS-805P MB-2365P	STD,1,10,20,30	2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
2-4		MB-2251P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
3		MB-2252P(F)		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950
5		MB-2253P		2.4985/2.4995	0.0014/0.0044	0.0932	2.6870/2.6880	1.6290
NOTE: Engines With Grooved Upper And Plain Lower Front Main Bearing,Second Series								
Cam Bearing Set 1	AL-3	SH-1354S SH-1354	STD	2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
Connecting Rod	30 To 42 Lbs.Ft.							
Main Bearing	60 To 80 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	90 To 120 Lbs.Ft. (Rear Bearing Cap)							
83	331 CID (5.4L) OHV Cadillac V8 Cyl (1949-1955)				3.8125in./96.8mm x 3.625in./92.1mm			83
Rod Bearing(8)	TM-77	CB-348P	STD,10,20	2.2488/2.2493	0.0010/0.0026	0.0621	2.3740/2.3745	0.9160
NOTE: 1949-1954								
Rod Bearing(8)	TM-77	CB-472P	STD,10,20,30	2.2488/2.2493	0.0010/0.0030	0.0621	2.3740/2.3745	0.7910
NOTE: 1955								
Cam Bearing Set 1-2-3-4	B-1	SH-277S SH-277	STD	1.7500/1.7507	0.0005/0.0040	0.0640	1.8792/1.8802	0.7600
5		SH-278		1.4375/1.4382	0.0005/0.0040	0.0645	1.5671/1.5687	0.8850
Rod Forging	3B, 2AW, 6BC, 14AL, 25AB, 25AD, 27AD, 32AH, 32AL, 35AL, 39AM, 43CE, 49AT, 3508419, 3508991, 3509004, 3509547							
C/S Forging	1455101, 1462473, 1463473, 3509574							
Connecting Rod	40 Lbs.Ft.							
84	340 CID (5.6L) Buick V8 Cyl (1966-1967)				3.750in./95.3mm x 3.850in./97.8mm			84
Rod Bearing(8)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set 1	TM-77	MS-1457P MB-2760P	STD,10,20,30	2.9995/3.0005	0.0008/0.0038	0.0935	3.1880/3.1890	0.8700
2-4		MB-2448P		2.9995/3.0005	0.0008/0.0038	0.0935	3.1880/3.1890	0.8700
3		MB-2449P(F)		2.9995/3.0005	0.0008/0.0038	0.0935	3.1880/3.1890	1.0580
5		MB-2484P		2.9995/3.0005	0.0008/0.0038	0.0935	3.1880/3.1890	0.8700
Cam Bearing Set 1	AL-3	SH-1360S SH-1360	STD	1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.7600
2		SH-506		1.7550/1.7560	0.0010/0.0060	0.0643	1.8855/1.8875	0.7600
3		SH-363		1.7250/1.7260	0.0010/0.0060	0.0643	1.8555/1.8575	0.7600
4		SH-364		1.6950/1.6960	0.0010/0.0060	0.0643	1.8255/1.8275	0.7600
5		SH-365		1.6650/1.6660	0.0010/0.0060	0.0643	1.7955/1.7975	0.7600

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
84 (Cont.)	340 CID (5.6L) Buick V8 Cyl (1966-1967)			3.750in./95.3mm x 3.850in./97.8mm				84 (Cont.)
Rod Forging	351, 561, 942, 1240016, 1241938, 1374562, 1374563							
C/S Forging	1235419, 1260718, 1261119, 1375809, 1378436							
Connecting Rod	30 To 40 Lbs.Ft.							
Main Bearing	95 To 120 Lbs.Ft.							
85	348 CID (5.7L) Chevrolet V8 Cyl (1958-1965)			4.125in./104.8mm x 3.250in./82.6mm				85
	409 CID (6.7L) Chevrolet V8 Cyl (1961-1965)			4.313in./109.6mm x 3.500in./88.9mm				
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set	TM-77	MS-458P-10						
1-2-3-4		MB-1840P		2.4980/2.4990	0.0007/0.0037	0.0938	2.6870/2.6880	1.0470
5		MB-1841P(F)		2.4980/2.4990	0.0021/0.0051	0.0931	2.6870/2.6880	1.8110
Cam Bearing Set	AL-3	SH-398S	STD					
1		SH-398		1.8682/1.8692	0.0005/0.0050	0.0747	2.0190/2.0210	0.8700
2		SH-399		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
3-4		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
5		SH-401		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.9500
Rod Forging	3732717, 3795624, 3837686							
C/S Forging	0819, 3732692, 3733223, 3733226, 3741640, 3741642, 3788072, 3795589, 3824544, 3824553, 3824554, 3829027, 3837466, 3838396, 0-191561, 0-191561							
Connecting Rod	35 To 45 Lbs.Ft.							
Main Bearing	90 To 100 Lbs.Ft.							
86	350 CID (5.7L) Buick V8 Cyl (1968-1981)			3.800in./96.5mm x 3.850in./97.8mm				86
Rod Bearing(8)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set	TM-77	MS-1457P	STD,10,20,30					
1		MB-2760P		2.9995/3.0005	0.0008/0.0038	0.0935	3.1880/3.1890	0.8700
2-4		MB-2448P		2.9995/3.0005	0.0008/0.0038	0.0935	3.1880/3.1890	0.8700
3		MB-2449P(F)		2.9995/3.0005	0.0008/0.0038	0.0935	3.1880/3.1890	1.0580
5		MB-2484P		2.9995/3.0005	0.0008/0.0038	0.0935	3.1880/3.1890	0.8700
Cam Bearing Set	AL-3	SH-1361S	STD,10					
1		SH-1360		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.7600
2-3-4-5		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300
Rod Forging	351, 561, 942, 1240016, 1241938, 1374562, 1374563							
C/S Forging	1235419, 1260718, 1261119, 1375809, 1378436							
Connecting Rod	35 Lbs.Ft.							
Main Bearing	95 Lbs.Ft.							
87	364 CID (6.0L) Buick V8 Cyl (1957-1961)			4.125in./104.8mm x 3.400in./86.4mm				87
Rod Bearing(8)	TM-77	CB-762P	STD,1,10,20,30,40	2.2490/2.2500	0.0007/0.0032	0.0619	2.3740/2.3745	0.8260
Cam Bearing Set	B-1	SH-361S	STD					
1		SH-361		1.7850/1.7860	0.0010/0.0060	0.0643	1.9155/1.9175	0.7600
2		SH-506		1.7550/1.7560	0.0010/0.0060	0.0643	1.8855/1.8875	0.7600
3		SH-363		1.7250/1.7260	0.0010/0.0060	0.0643	1.8555/1.8575	0.7600
4		SH-364		1.6950/1.6960	0.0010/0.0060	0.0643	1.8255/1.8275	0.7600
5		SH-365		1.6650/1.6660	0.0010/0.0060	0.0643	1.7955/1.7975	0.7600
Rod Forging	3217, 6538, 1173217, 1186538							
C/S Forging	1173217, 1173341, 1186538							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	100 To 110 Lbs.Ft.							
88	365 CID (6.0L) Cadillac V8 Cyl (1956-1958)			4.000in./101.6mm x 3.625in./92.1mm				88
Rod Bearing(8)	TM-77	CB-472P	STD,10,20,30	2.2488/2.2493	0.0010/0.0030	0.0621	2.3740/2.3745	0.7910
Main Bearing Set	TM-77	MS-411P-10						
1-2-3-4		MB-1791P		2.6235/2.6240	0.0010/0.0032	0.0938	2.8123/2.8130	0.9470
5		MB-1792P(F)		2.6235/2.6240	0.0010/0.0032	0.0938	2.8123/2.8130	1.8750
Cam Bearing Set	B-1	SH-277S	STD					
1-2-3-4		SH-277		1.7500/1.7507	0.0005/0.0040	0.0640	1.8792/1.8802	0.7600
5		SH-278		1.4375/1.4382	0.0005/0.0040	0.0645	1.5671/1.5687	0.8850
Rod Forging	2B, 7H, 9T, 11H, 3510082							
C/S Forging	1463340							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	90 To 100 Lbs.Ft.							

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
89	365 CID (6.0L) Vortec 6000 Chevrolet V8 Cyl (1999-2004)			4.000in./101.6mm x 3.622in./92mm				89
	365 CID (6.0L) Vortec 6000 LQ4 (KL6) Chevrolet Bi-fuel Gas/CNG V8 Cyl (2002-2004)			4.000in./101.6mm x 3.622in./92mm				
	365 CID (6.0L) Vortec 6000 LQ4 (KL8) Chevrolet CNG V8 Cyl (2003-2004)			4.000in./101.6mm x 3.622in./92mm				
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	TM-77	MS-2199P MB-3591P	STD,10,20,30	2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	0.8050
3		MB-3592P(F)		2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	1.0280
Cam Bearing Set 1-5	B-1	SH-1814S	STD	2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
2-4		SH-1814		2.1650/2.1670	0.0011/0.0063	0.0740	2.3161/2.3181	0.6350
3		SH-1816		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
NOTE: 1999-2002, 2003 1st Design Positions 1 And 5 Housing Bore is 2.3260"/2.3280"								
Cam Bearing Set 1-5	B-1	SH-1995S	STD	2.1650/2.1670	0.0011/0.0063	0.0890	2.3460/2.3480	0.6350
2-4		SH-1814		2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
3		SH-1816		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
NOTE: 2004, 2003 2nd Design Positions 1 And 5 Housing Bore is 2.3460"/2.3480"								
Piston Pin Bushing(8)	C-1	223-3663				0.0585		0.9350
NOTE: 2002-2004, Requires Light Reaming								
90	366 CID (6.0L) Chevrolet V8 Cyl (1966-1998)			3.938in./100mm x 3.766in./95.7mm				90
	396 CID (6.6L) Chevrolet V8 Cyl (1965-1971)			4.094in./104mm x 3.766in./95.7mm				
	427 CID (7.0L) Chevrolet V8 Cyl (1966-1998)			4.250in./108mm x 3.766in./95.7mm				
	427 CID (7.0L) Chevrolet LPG V8 Cyl (1966-1969)			4.250in./108mm x 3.766in./95.7mm				
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4	AL-5	MS-829A-10 MB-2403A	20,30	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404A(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set 1-2-3-4	TM-77	MS-829P MB-2403P	STD,1,10,20,30,40	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set 1-2-3-4	TM-77	MS-1745P-10 MB-2403P	20,30	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-3120P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1748P-10 MB-3123P	20	2.7482/2.7492	0.0007/0.0032	0.1087	2.9570/2.9580	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set 1	B-1	SH-615S	STD	1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2		SH-615		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-616		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
5		SH-617		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
NOTE: 1965-1966								
Cam Bearing Set 1	B-1	SH-616S	STD	1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-615		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-616		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
NOTE: 1967-1998								
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	6223, 7115, 9115, 3804816, 3836144, 3863144, 3874874, 3882842, 3882847, 3882848, 3882849, 3887114, 3904815, 3904816, 3941180, 3942411							

GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
90 (Cont.)	366 CID (6.0L) Chevrolet V8 Cyl (1966-1998)				3.938in./100mm x 3.766in./95.7mm			90 (Cont.)
	396 CID (6.6L) Chevrolet V8 Cyl (1965-1971)				4.094in./104mm x 3.766in./95.7mm			
	427 CID (7.0L) Chevrolet V8 Cyl (1966-1998)				4.250in./108mm x 3.766in./95.7mm			
	427 CID (7.0L) Chevrolet LPG V8 Cyl (1966-1969)				4.250in./108mm x 3.766in./95.7mm			
Connecting Rod		45 To 55 Lbs.Ft.						
Main Bearing		110 To 120 Lbs.Ft. (High Performance Engine)						
Main Bearing		90 To 100 Lbs.Ft. (Except High Performance)						
91	368 CID (6.0L) Cadillac V8 Cyl (1980-1984)				3.800in./96.5mm x 4.060in./103.1mm			91
	425 CID (7.0L) Cadillac V8 Cyl (1977-1979)				4.082in./103.7mm x 4.060in./103.1mm			
	472 CID (7.7L) Cadillac V8 Cyl (1968-1974)				4.300in./109.2mm x 4.060in./103.1mm			
	500 CID (8.2L) Cadillac V8 Cyl (1970-1976)				4.300in./109.2mm x 4.300in./109.2mm			
Rod Bearing(8)	TM-77	CB-542P	STD,1,10,20,30,40	2.4988/2.4998	0.0007/0.0032	0.0620	2.6245/2.6250	0.8310
Main Bearing Set	TM-77	MS-970AL	STD,10,20					
1		MB-2535AL		3.2490/3.2500	0.0006/0.0033	0.0940	3.4383/3.4390	1.1950
2-4		MB-2536AL		3.2490/3.2500	0.0006/0.0033	0.0940	3.4383/3.4390	1.0670
3		MB-2537AL(F)		3.2490/3.2500	0.0006/0.0033	0.0940	3.4383/3.4390	1.2590
5		MB-2538AL		3.2490/3.2500	0.0006/0.0033	0.0940	3.4383/3.4390	1.1950
Cam Bearing Set	B-1	SH-530S	STD					
1-2-3-4-5		SH-530		1.7500/1.7507	0.0005/0.0042	0.0640	1.8792/1.8802	0.6300
Rod Forging	222, 3633111							
C/S Forging	1467292, 1486424, 1495094, 1495095, 1496793, 1609142R							
Connecting Rod		40 Lbs.Ft.						
Main Bearing		90 Lbs.Ft.						
92	370 CID (6.1L) General Motors V8 Cyl (1957-1959)				4.000in./101.6mm x 3.688in./93.7mm			92
Rod Bearing(8)	TM-77	CB-542P	STD,1,10,20,30,40	2.4988/2.4998	0.0007/0.0032	0.0620	2.6245/2.6250	0.8310
NOTE: 1959								
Piston Pin	B	223-3598	STD			0.0411	1.0360/1.0380	1.1900
Bushing(8)								
NOTE: Requires Boring								
Rod Forging	568815, 574545, 575001, 580255, 585470							
C/S Forging	477440, 562746, 565699, 568812, 574440, 574544, 577440, 582740, 582746							
Connecting Rod		35 To 45 Lbs.Ft.						
Main Bearing		100 Lbs.Ft. (Except Rear Bearing Cap)						
Main Bearing		140 Lbs.Ft. (Rear Bearing Cap)						
93	371 CID (6.1L) Oldsmobile V8 Cyl (1957-1960)				4.000in./101.6mm x 3.688in./93.7mm			93
	394 CID (6.5L) Oldsmobile V8 Cyl (1959-1964)				4.125in./104.8mm x 3.688in./93.7mm			
Rod Bearing(8)	TM-77	CB-542P	STD,1,10,20,30,40	2.4988/2.4998	0.0007/0.0032	0.0620	2.6245/2.6250	0.8310
NOTE: 1959-1964								
Piston Pin	B	223-3606	STD			0.0450	1.0365/1.0380	1.2500
Bushing(8)								
NOTE: Requires Boring								
Rod Forging	568815, 574545, 575001, 580255, 585470							
C/S Forging	477440, 562746, 565699, 568812, 574440, 574544, 577440, 582740, 582746							
Connecting Rod		35 To 45 Lbs.Ft.						
Main Bearing		100 Lbs.Ft. (Except Rear Bearing Cap)						
Main Bearing		140 Lbs.Ft. (Rear Bearing Cap)						
94	379 CID (6.2L) Chevrolet Diesel V8 Cyl (1982-1993)				3.976in./101mm x 3.819in./97mm			94
	395 CID/6468CC (6.5L) Chevrolet Diesel V8 Cyl (1994-1999)				4.055in./103mm x 3.819in./97mm			
	395 CID/6468CC (6.5L) Chevrolet Turbocharged Diesel V8 Cyl (1992-2002)				4.055in./103mm x 3.819in./97mm			
Rod Bearing(8)	TM-77	CB-1286P	STD,.026mm,.25mm,.50mm,.75mm	2.3982/2.3992	0.0014/0.0044	0.0620	2.5246/2.5256	0.9020
Main Bearing Set	TM-77	MS-2091P	STD,.026mm,.25mm,.50mm,.75mm					
1-2-4		MB-3587P		2.9495/2.9504	0.0016/0.0045	0.0955	3.1427/3.1437	0.8970
3		MB-3588P(F)		2.9495/2.9504	0.0016/0.0045	0.0955	3.1427/3.1437	1.1300
5		MB-3589P		2.9493/2.9503	0.0018/0.0047	0.0955	3.1427/3.1437	1.3910
Cam Bearing Set	AL-3	SH-1366S	STD					
1		SH-1366		2.1644/2.1663	0.0005/0.0050	0.0801	2.3270/2.3290	0.9260
2		SH-1367		2.1644/2.1663	0.0005/0.0050	0.0756	2.3180/2.3200	0.8070
3		SH-1368		2.1644/2.1663	0.0005/0.0050	0.0706	2.3080/2.3100	0.8070
4		SH-1369		2.1644/2.1663	0.0005/0.0050	0.0656	2.2980/2.3000	0.8070
5		SH-1370		2.0069/2.0089	0.0005/0.0050	0.0661	2.1410/2.1430	0.8070

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
94 (Cont.)	379 CID (6.2L) Chevrolet Diesel V8 Cyl (1982-1993) 395 CID/6468CC (6.5L) Chevrolet Diesel V8 Cyl (1994-1999) 395 CID/6468CC (6.5L) Chevrolet Turbocharged Diesel V8 Cyl (1992-2002)				3.976in./101mm x 3.819in./97mm 4.055in./103mm x 3.819in./97mm 4.055in./103mm x 3.819in./97mm			94 (Cont.)
Piston Pin Bushing(8)	C-1	223-3576	STD		0.0580	1.3030/1.3045	1.0010	
NOTE: Requires Boring, .995" Length, 1.201" Inside Diameter, 1.309" Outside Diameter								
C/S Forging 14024236								
Connecting Rod 48 Lbs.Ft. Main Bearing 100 Lbs.Ft. (Outer Bolts) Main Bearing 110 Lbs.Ft. (Inner Bolts) Main Bearing 111 Lbs.Ft. (Outer Bolts)								
95	389 CID (6.4L) Pontiac V8 Cyl (1959-1966)				4.063in./103.2mm x 3.750in./95.3mm			95
Rod Bearing(8)	TM-77	CB-758P	STD, 1,10,20,30,40	2.2487/2.2497	0.0015/0.0040	0.0619	2.3745/2.3750	0.8860
Main Bearing Set 1-2-3	TM-1	MS-483G	STD, 10,20,30	2.9990/3.0000	0.0007/0.0033	0.0938	3.1880/3.1890	0.9430
4		MB-1889G		2.9990/3.0000	0.0007/0.0033	0.0938	3.1880/3.1890	1.1350
5		MB-1890G(F)		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	1.5950
NOTE: Contains Partial Grooved Main Bearings								
Main Bearing Set 1-2-3	TM-77	MS-496P	STD, 10,20,30	2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	0.9430
4		MB-1917P		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	1.1350
5		MB-1918P(F)		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	1.5950
NOTE: Contains Full Annular Grooved Bearings								
Cam Bearing Set 1	B-1	SH-291S	STD	1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	1.0700
2-3-4-5		SH-291		1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	0.6900
NOTE: 1959-1962								
Cam Bearing Set 1-2-3-4-5	B-1	SH-292S	STD	1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	0.6900
NOTE: 1963-1966								
Connecting Rod 45 Lbs.Ft. Main Bearing 120 Lbs.Ft. (Rear Bearing Cap) Main Bearing 95 Lbs.Ft. (Except Rear Bearing Cap)								
96	390 CID (6.4L) Cadillac V8 Cyl (1959-1963)				4.000in./101.6mm x 3.875in./98.4mm			96
Rod Bearing(8)	TM-77	CB-472P	STD, 10,20,30	2.2488/2.2493	0.0010/0.0030	0.0621	2.3740/2.3745	0.7910
Main Bearing Set 1-2-3-4	TM-77	MS-411P-10		2.6235/2.6240	0.0010/0.0032	0.0938	2.8123/2.8130	0.9470
5		MB-1791P		2.6235/2.6240	0.0010/0.0032	0.0938	2.8123/2.8130	1.8750
NOTE: 1959-1962								
Main Bearing Set 1	TM-77	MS-663P-10		2.9995/3.0000	0.0005/0.0026	0.0941	3.1883/3.1890	1.0730
2-4		MB-2208P		2.9995/3.0000	0.0006/0.0028	0.0940	3.1883/3.1890	0.9430
3		MB-2209P		2.9995/3.0000	0.0006/0.0028	0.0940	3.1883/3.1890	1.1350
5		MB-2210P(F)		2.9995/3.0000	0.0006/0.0028	0.0940	3.1883/3.1890	0.9430
NOTE: 1963								
Cam Bearing Set 1-2-3-4	B-1	SH-277S	STD	1.7500/1.7507	0.0005/0.0040	0.0640	1.8792/1.8802	0.7600
5		SH-277		1.4375/1.4382	0.0005/0.0040	0.0645	1.5671/1.5687	0.8850
NOTE: 1959-1962								
Cam Bearing Set 1-2-3-4-5	B-1	SH-530S	STD	1.7500/1.7507	0.0005/0.0042	0.0640	1.8792/1.8802	0.6300
NOTE: 1963								
Rod Forging 3511503, 3513058 C/S Forging 1467925, 1469263, 1469265, 1477634								
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 90 To 100 Lbs.Ft.								
97	400 CID (6.6L) Buick V8 Cyl (1967-1969) 430 CID (7.0L) Buick V8 Cyl (1967-1969) 455 CID (7.5L) Buick V8 Cyl (1970-1976)				4.040in./102.6mm x 3.900in./99mm 4.188in./106.4mm x 3.900in./99mm 4.313in./109.6mm x 3.900in./99mm			97
Rod Bearing(8)	TM-77	CB-762P	STD, 1,10,20,30,40	2.2490/2.2500	0.0007/0.0032	0.0619	2.3740/2.3745	0.8260

GENERAL MOTORS CORP. (Cont.)

GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
97 (Cont.)	400 CID (6.6L) Buick V8 Cyl (1967-1969)			4.040in./102.6mm x 3.900in./99mm				97 (Cont.)
	430 CID (7.0L) Buick V8 Cyl (1967-1969)			4.188in./106.4mm x 3.900in./99mm				
	455 CID (7.5L) Buick V8 Cyl (1970-1976)			4.313in./109.6mm x 3.900in./99mm				
Main Bearing Set	TM-77	MS-908P	STD,10,20					
1-2-4		MB-2505P		3.2495/3.2500	0.0011/0.0036	0.0936	3.4380/3.4390	0.8070
3		MB-2506P(F)		3.2495/3.2500	0.0011/0.0036	0.0936	3.4380/3.4390	1.0580
5		MB-2507P		3.2495/3.2500	0.0011/0.0036	0.0936	3.4380/3.4390	1.1480
Cam Bearing Set	AL-3	SH-1361S	STD,10					
1		SH-1360		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.7600
2-3-4-5		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300
Rod Forging	1373496, 1385363							
C/S Forging	1379242							
Connecting Rod	40 To 50 Lbs.Ft. (400 CID (6.6L) ,430 CID (7.0L))							
Connecting Rod	45 Lbs.Ft. (455 CID (7.5L))							
Main Bearing	110 Lbs.Ft. (455 CID (7.5L))							
Main Bearing	80 To 115 Lbs.Ft. (400 CID (6.6L) ,430 CID (7.0L))							
98	400 CID (6.6L) Chevrolet V8 Cyl (1970-1980)			4.125in./104.8mm x 3.750in./95.3mm				98
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-1038P	STD,1,10,20,30					
1-2-3-4		MB-2562P		2.6484/2.6493	0.0006/0.0034	0.0955	2.8406/2.8415	0.8070
5		MB-2563P(F)		2.6479/2.6488	0.0011/0.0039	0.0955	2.8406/2.8415	1.7180
Main Bearing Set	TM-77	MS-2038P-10	20,30					
1-2-3-4		MB-2562P		2.6484/2.6493	0.0006/0.0034	0.0955	2.8406/2.8415	0.8070
5		MB-3510P(F)		2.6479/2.6488	0.0011/0.0039	0.0955	2.8406/2.8415	1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-290S	STD,10					
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
Cam Bearing Set	AL-3	SH-1349S	STD					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set	AL-3	SH-1352S	STD					
1-2-3-4-5		SH-1352		1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set	AL-3	SH-1401S	STD					
1-2-3-4-5		SH-1401		1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3951629							
C/S Forging	3882841, 3951528, 3951529D							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	75 Lbs.Ft.							
99	400 CID (6.6L) Oldsmobile V8 Cyl (1968-1969)			3.875in./98.4mm x 4.250in./108mm				99
	400 CID (6.6L) Oldsmobile V8 Cyl (1965-1967)			4.000in./101.6mm x 3.980in./101.1mm				
	400 CID (6.6L) Oldsmobile LPG V8 Cyl (1965-1967)			4.000in./101.6mm x 3.980in./101.1mm				
	425 CID (7.0L) Oldsmobile V8 Cyl (1965-1967)			4.125in./104.8mm x 3.980in./101.1mm				
	455 CID (7.5L) Oldsmobile V8 Cyl (1968-1976)			4.125in./104.8mm x 4.250in./108mm				
Rod Bearing(8)	TM-77	CB-542P	STD,1,10,20,30,40	2.4988/2.4998	0.0007/0.0032	0.0620	2.6245/2.6250	0.8310
Main Bearing Set	TM-77	MS-804P	STD,10,20,30					
1		MB-2362P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9800
2-4		MB-2163P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9790
3		MB-2363P(F)		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	1.1950
5		MB-2364P		2.9993/3.0003	0.0016/0.0049	0.0932	3.1880/3.1890	1.6290

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
99 (Cont.)	400 CID (6.6L) Oldsmobile V8 Cyl (1968-1969)			3.875in./98.4mm x 4.250in./108mm				99 (Cont.)
	400 CID (6.6L) Oldsmobile V8 Cyl (1965-1967)			4.000in./101.6mm x 3.980in./101.1mm				
	400 CID (6.6L) Oldsmobile LPG V8 Cyl (1965-1967)			4.000in./101.6mm x 3.980in./101.1mm				
	425 CID (7.0L) Oldsmobile V8 Cyl (1965-1967)			4.125in./104.8mm x 3.980in./101.1mm				
	455 CID (7.5L) Oldsmobile V8 Cyl (1968-1976)			4.125in./104.8mm x 4.250in./108mm				
Cam Bearing Set	AL-3	SH-1354S	STD					
1		SH-1354		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
Rod Forging	384759, 397858, 401406, 401456, 410999							
C/S Forging	230331, 230377, 230378, 230907, 230908, 384722, 390370, 397303, 397363, 400934, 403707, 405954, 584722							
Connecting Rod	32 To 42 Lbs.Ft. (400 CID (6.6L) ,425 CID (7.0L) ,455 CID (7.5L))							
Connecting Rod	90 To 120 Lbs.Ft. (400 CID (6.6L))							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	90 To 120 Lbs.Ft. (400 CID (6.6L) ,455 CID (7.5L))							
100	401 CID (6.6L) Buick V8 Cyl (1959-1966)			4.188in./106.4mm x 3.640in./92.5mm				100
	425 CID (7.0L) Buick V8 Cyl (1963-1966)			4.313in./109.6mm x 3.640in./92.5mm				
Rod Bearing(8)	TM-77	CB-762P	STD,1,10,20,30,40	2.2490/2.2500	0.0007/0.0032	0.0619	2.3740/2.3745	0.8260
Main Bearing Set	TM-77	MS-664P-10						
1-2-4		MB-1811P		2.4980/2.4990	0.0007/0.0037	0.0938	2.6870/2.6880	0.9450
3		MB-1881P(F)		2.4980/2.4990	0.0007/0.0037	0.0938	2.6870/2.6880	1.1280
5		MB-2212P		2.4980/2.4990	0.0007/0.0037	0.0938	2.6870/2.6880	1.2050
Cam Bearing Set	B-1	SH-361S	STD					
1		SH-361		1.7850/1.7860	0.0010/0.0060	0.0643	1.9155/1.9175	0.7600
2		SH-506		1.7550/1.7560	0.0010/0.0060	0.0643	1.8855/1.8875	0.7600
3		SH-363		1.7250/1.7260	0.0010/0.0060	0.0643	1.8555/1.8575	0.7600
4		SH-364		1.6950/1.6960	0.0010/0.0060	0.0643	1.8255/1.8275	0.7600
5		SH-365		1.6650/1.6660	0.0010/0.0060	0.0643	1.7955/1.7975	0.7600
Rod Forging	487, 494, 5487, 1185487							
C/S Forging	1185539, 1361798, 1396294							
Connecting Rod	40 To 45 Lbs.Ft. (401 CID (6.6L))							
Connecting Rod	40 To 50 Lbs.Ft. (425 CID (7.0L))							
Main Bearing	100 To 110 Lbs.Ft.							
101	402 CID (6.6L) Chevrolet V8 Cyl (1970-1972)			4.125in./104.8mm x 3.766in./95.7mm				101
	454 CID (7.4L) Chevrolet V8 Cyl (1970-2000)			4.250in./108mm x 4.000in./101.6mm				
	454 CID (7.4L) Chevrolet LPG V8 Cyl (1970-1976)			4.250in./108mm x 4.000in./101.6mm				
	454 CID (7.4L) LP4 Chevrolet LPG V8 Cyl (1999-2000)			4.252in./108mm x 4.000in./101.6mm				
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set	AL-5	MS-829A-10	20,30					
1-2-3-4		MB-2403A		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404A(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set	TM-77	MS-829P	STD,1,10,20,30,40					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set	TM-77	MS-1745P-10	20,30					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-3120P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1748P-10	20					
1-2-3-4		MB-3123P		2.7482/2.7492	0.0007/0.0032	0.1087	2.9570/2.9580	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set	B-1	SH-616S	STD					
1		SH-615		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
101 (Cont.)	402 CID (6.6L) Chevrolet V8 Cyl (1970-1972)			4.125in./104.8mm x 3.766in./95.7mm				101 (Cont.)
	454 CID (7.4L) Chevrolet V8 Cyl (1970-2000)			4.250in./108mm x 4.000in./101.6mm				
	454 CID (7.4L) Chevrolet LPG V8 Cyl (1970-1976)			4.250in./108mm x 4.000in./101.6mm				
	454 CID (7.4L) LP4 Chevrolet LPG V8 Cyl (1999-2000)			4.252in./108mm x 4.000in./101.6mm				
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	3521, 6223, 7115, 7416, 9115, 353039, 359730, 3804816, 3836144, 3863144, 3874874, 3882842, 3882847, 3882848, 3882849, 3887114, 3904815, 3904816, 3941180, 3942411, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							
102	403 CID (6.6L) L80 Oldsmobile V8 Cyl (1977-1979)			4.351in./110.5mm x 3.385in./86mm				102
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40	2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310
Main Bearing Set	TM-77	MS-805P	STD,1,10,20,30					
1		MB-2365P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
2-4		MB-2251P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
3		MB-2252P(F)		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950
5		MB-2253P		2.4985/2.4995	0.0014/0.0044	0.0932	2.6870/2.6880	1.6290
Cam Bearing Set	AL-3	SH-1355S	STD					
1		SH-1359		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
Rod Forging	0997, 380282, 380283, 380383, 398410, 410997							
C/S Forging	230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 556607, 1235419, 1375802, 1398346							
Connecting Rod	42 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)							
103	403 CID/6599CC (6.6L) Duramax 6600 LB7 OHV General Motors Turbocharged/Intercooled Diesel V8 Cyl (2001-2004)			4.055in./103mm x 3.898in./99mm				103
Rod Bearing(8)	TM-77	CB-1805P	STD,.25mm,.50mm	2.4764/2.4772	0.0010/0.0034	0.0795	2.6372/2.6378	0.9340
Rod Bearing(8)	TM-77	CB-1810P-.25mm	.50mm	2.4764/2.4772	0.0010/0.0034	0.0805	2.6392/2.6398	0.9340
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-2218P	STD,.25mm,.50mm					
1-2-3-4-5		MB-3776P		3.1459/3.1466	0.0009/0.0033	0.0995	3.3464/3.3472	0.8200
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-610S								
Thrust Washer Set		TW-610S	STD					
		MB-3776W		3.5039/3.5137			4.2027/4.2125	0.1181
NOTE: Contains 3 Pieces, Positions 1 And 5, Use With Part Number MS-2218P								
Cam Bearing Set	AL-3	SH-1999S	STD					
1		SH-1999		2.3988/2.4000		0.0790	2.5590/2.5602	1.1200
2-3-4-5		SH-2006		2.3988/2.4000		0.0790	2.5590/2.5602	0.7050
Rod Forging	278410A							
104	421 CID (6.9L) Pontiac V8 Cyl (1963-1966)			4.094in./104mm x 4.000in./101.6mm				104
	428 CID (7.0L) Pontiac V8 Cyl (1967-1969)			4.120in./104.6mm x 4.000in./101.6mm				
	455 CID (7.5L) Pontiac V8 Cyl (1970-1976)			4.151in./105.4mm x 4.210in./106.9mm				
Rod Bearing(8)	TM-77	CB-758P	STD,1,10,20,30,40	2.2487/2.2497	0.0015/0.0040	0.0619	2.3745/2.3750	0.8860
Main Bearing Set	TM-77	MS-667P	STD,10,20,30					
1-2-3		MB-2215P		3.2490/3.2500	0.0005/0.0035	0.0939	3.4380/3.4390	0.9430
4		MB-2216P(F)		3.2490/3.2500	0.0005/0.0035	0.0939	3.4380/3.4390	1.1950
5		MB-2217P		3.2490/3.2500	0.0005/0.0035	0.0939	3.4380/3.4390	1.5950
Cam Bearing Set	B-1	SH-292S	STD					
1-2-3-4-5		SH-292		1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	0.6900
C/S Forging	496453, 542990, 9770488, 9773384, 9782769, 9783787, 9799103							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	95 Lbs.Ft. (Except Rear Bearing Cap)							
105	429 CID (7.0L) Cadillac V8 Cyl (1964-1967)			4.129in./104.9mm x 4.000in./101.6mm				105
Rod Bearing(8)	TM-77	CB-472P	STD,10,20,30	2.2488/2.2493	0.0010/0.0030	0.0621	2.3740/2.3745	0.7910

GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
105 (Cont.)	429 CID (7.0L) Cadillac V8 Cyl (1964-1967)			4.129in./104.9mm x 4.000in./101.6mm				105 (Cont.)
Main Bearing Set	TM-77	MS-663P-10						
1		MB-2208P		2.9995/3.0000	0.0005/0.0026	0.0941	3.1883/3.1890	1.0730
2-4		MB-2209P		2.9995/3.0000	0.0006/0.0028	0.0940	3.1883/3.1890	0.9430
3		MB-2210P(F)		2.9995/3.0000	0.0006/0.0028	0.0940	3.1883/3.1890	1.1350
5		MB-2211P		2.9995/3.0000	0.0006/0.0028	0.0940	3.1883/3.1890	0.9430
Cam Bearing Set	B-1	SH-530S	STD					
1-2-3-4-5		SH-530		1.7500/1.7507	0.0005/0.0042	0.0640	1.8792/1.8802	0.6300
Rod Forging	3513058							
C/S Forging	1481021, 1481267, 1486340, 1488340							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 Lbs.Ft.							
106	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet V8 Cyl (2001-2003)			4.252in./108mm x 4.370in./111mm				106
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set	AL-5	MS-2235AL	STD,10,20					
1-2-3-4		MB-3774AL		2.7482/2.7489	0.0010/0.0033	0.0937	2.9370/2.9380	1.0470
5		MB-3775AL(F)		2.7482/2.7489	0.0005/0.0022	0.0940	2.9373/2.9378	1.8110
Cam Bearing Set	B-1	SH-616S	STD					
1		SH-615		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
107	637 CID (10.4L) D General Motors Diesel V8 Cyl (1966-1970)			5.125in./130.2mm x 3.859in./98mm				107
	637 CID (10.4L) DH General Motors Diesel V8 Cyl (1966-1971)			5.125in./130.2mm x 3.859in./98mm				
	637 CID (10.4L) OHV General Motors V8 Cyl (1966-1971)			5.125in./130.2mm x 3.859in./98mm				
Rod Bearing(8)	TM-77	CB-586P	STD,2,10,20,30,40,C60	2.8112/2.8122	0.0015/0.0040	0.1014	3.0160/3.0165	0.9400
Main Bearing Set	TM-77	MS-944P-10	20,40					
1-2-3-5		MB-2009P		3.1237/3.1247	0.0016/0.0046	0.0995	3.3250/3.3260	1.1600
4		MB-2010P(F)		3.1237/3.1247	0.0016/0.0046	0.0995	3.3250/3.3260	1.5290
NOTE: Undersize Bearings Can Be Used But The Crankshaft Must Be Rehardened By The TUFFTRIDE Process								
Rod Forging	2484084							
C/S Forging	2454066							
Connecting Rod	55 To 65 Lbs.Ft. (637 CID (10.4L) D,637 CID (10.4L) DH)							
Connecting Rod	65 To 75 Lbs.Ft. (637 CID (10.4L) OHV)							
Main Bearing	130 To 140 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	170 To 180 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	55 To 65 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	85 To 95 Lbs.Ft. (Rear Bearing Cap)							
12 CYL								
108	702 CID (11.5L) OHV General Motors V12 Cyl (1960-1965)			4.563in./115.9mm x 3.578in./90.8mm				108
Rod Bearing(12)	TM-77	CB-586P	STD,2,10,20,30,40,C60	2.8112/2.8122	0.0015/0.0040	0.1014	3.0160/3.0165	0.9400
Main Bearing Set	TM-77	MS-522P-10	20,40					
1-2-3-4-5-7		MB-2009P		3.1237/3.1247	0.0016/0.0046	0.0995	3.3250/3.3260	1.1600
6		MB-2010P(F)		3.1237/3.1247	0.0016/0.0046	0.0995	3.3250/3.3260	1.5290
Piston Pin Bushing(12)	C-1	223-3512	STD			0.0460	1.3125/1.3135	1.2920
NOTE: Requires Boring								
Rod Forging	2389554, 2434826, 2470891, 2474281, 2477425							
C/S Forging	2366210							
Connecting Rod	65 To 75 Lbs.Ft.							
Main Bearing	130 To 140 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	85 To 95 Lbs.Ft. (Rear Bearing Cap)							

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
3 CYL			6 CYL (Cont.)		
D1500 149 CID/2435CC (2.4L) Diesel	3.750in./95.3mmX4.500in./114.3mm	1	D339H 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	6
D1700 169 CID (2.8L) Diesel	4.000in./101.6mmX4.500in./114.3mm	1	D3000 298 CID (4.9L) Diesel	3.750in./95.3mmX4.500in./114.3mm	6
DD130 130 CID/2127CC (2.1L) Diesel	3.500in./88.9mmX4.500in./114.3mm	1	D3400 339 CID (5.6L) Diesel	4.000in./101.6mmX4.500in./114.3mm	6
DD149 149 CID (2.4L)	3.750in./95.3mmX4.500in./114.3mm	1	D4800 478 CID (7.8L) Diesel	4.563in./115.9mmX4.875in./123.8mm	7
DD169 169 CID (2.8L)	4.000in./101.6mmX4.500in./114.3mm	1	DD260 260 CID (4.3L) Diesel	3.500in./88.9mmX4.500in./114.3mm	6
G1500 149 CID/2435CC (2.4L)	3.750in./95.3mmX4.500in./114.3mm	1	DD298 298 CID (4.9L)	3.750in./95.3mmX4.500in./114.3mm	6
G1700 169 CID (2.8L)	4.000in./101.6mmX4.500in./114.3mm	1	DD339 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	6
GO130 130 CID/2127CC (2.1L)	3.500in./88.9mmX4.500in./114.3mm	1	DD339H 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	6
GO149 149 CID (2.4L)	3.750in./95.3mmX4.500in./114.3mm	1	D298H 298 CID (4.9L)	3.750in./95.3mmX4.500in./114.3mm	6
GO169 169 CID (2.8L)	4.000in./101.6mmX4.500in./114.3mm	1	G3000 298 CID (4.9L)	3.750in./95.3mmX4.500in./114.3mm	6
GO1500 149 CID/2435CC (2.4L)	3.750in./95.3mmX4.500in./114.3mm	1	G3400 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	6
4 CYL			GO260 260 CID (4.3L)	3.500in./88.9mmX4.500in./114.3mm	6
D2000 198 CID (3.2L) Diesel	3.750in./95.3mmX4.500in./114.3mm	3	GO298 298 CID (4.9L)	3.750in./95.3mmX4.500in./114.3mm	6
D2300 226 CID (3.7L) Diesel	4.000in./101.6mmX4.500in./114.3mm	3	GO339 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	6
DD173 173 CID (2.8L) Diesel	3.500in./88.9mmX4.500in./114.3mm	3	JXA 228 CID (3.7L)	3.375in./85.7mmX4.250in./108mm	5
DD198 198 CID (3.2L)	3.750in./95.3mmX4.500in./114.3mm	3	JXB 263 CID (4.3L)	3.625in./92.1mmX4.250in./108mm	5
DD226 226 CID (3.7L)	4.000in./101.6mmX4.500in./114.3mm	3	JXC3 282 CID (4.6L)	3.750in./95.3mmX4.250in./108mm	5
G2000 198 CID (3.2L)	3.750in./95.3mmX4.500in./114.3mm	3	JXC 282 CID (4.6L)	3.750in./95.3mmX4.250in./108mm	5
G2300 226 CID (3.7L)	4.000in./101.6mmX4.500in./114.3mm	3	JXCF 282 CID (4.6L)	3.750in./95.3mmX4.250in./108mm	5
GO173 173 CID (2.8L)	3.500in./88.9mmX4.500in./114.3mm	3	JXD 320 CID (5.2L)	4.000in./101.6mmX4.250in./108mm	5
GO198 198 CID (3.2L)	3.750in./95.3mmX4.500in./114.3mm	3	JXDT 320 CID (5.2L)	4.000in./101.6mmX4.250in./108mm	5
GO226 226 CID (3.7L)	4.000in./101.6mmX4.500in./114.3mm	3	JXE3 245 CID (4.0L)	3.250in./82.6mmX4.250in./108mm	5
JX4C2 188 CID (3.1L)	3.750in./95.3mmX4.250in./108mm	2	JXE 245 CID (4.0L)	3.500in./88.9mmX4.250in./108mm	5
JX4C3 188 CID (3.1L)	3.750in./95.3mmX4.250in./108mm	2	JXF 232 CID (3.8L)	3.406in./86.5mmX4.250in./108mm	5
JX4C5 188 CID (3.1L)	3.750in./95.3mmX4.250in./108mm	2	JXG 245 CID (4.0L)	3.500in./88.9mmX4.250in./108mm	5
JX4D2 214 CID (3.5L)	4.000in./101.6mmX4.250in./108mm	2	JXLC 298 CID (4.9L)	3.750in./95.3mmX4.500in./114.3mm	5
JX4D3 214 CID (3.5L)	4.000in./101.6mmX4.250in./108mm	2	JXL 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	5
JX4D5 214 CID (3.5L)	4.000in./101.6mmX4.250in./108mm	2	QXA3 191 CID (3.1L)	3.125in./79.4mmX4.125in./104.8mm	4
JX4E2 164 CID (2.7L)	3.500in./88.9mmX4.250in./108mm	2	QXA5 191 CID (3.1L)	3.125in./79.4mmX4.125in./104.8mm	4
JX4E3 188 CID (3.1L)	3.750in./95.3mmX4.250in./108mm	2	QXA 191 CID (3.1L)	3.125in./79.4mmX4.125in./104.8mm	4
JX4E5 214 CID (3.5L)	4.000in./101.6mmX4.250in./108mm	2	QXB3 205 CID (3.4L)	3.250in./82.6mmX4.250in./108mm	4
6 CYL			QXB5 205 CID (3.4L)	3.250in./82.6mmX4.250in./108mm	4
298 298 CID (4.9L)	3.750in./95.3mmX4.500in./114.3mm	6	QXB 205 CID (3.4L)	3.250in./82.6mmX4.250in./108mm	4
339 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	6	QXC3 222 CID (3.6L)	3.375in./85.7mmX4.125in./104.8mm	4
339H 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	6	QXC5 222 CID (3.6L)	3.375in./85.7mmX4.125in./104.8mm	4
3000 298 CID (4.9L)	3.750in./95.3mmX4.500in./114.3mm	6	QXC 222 CID (3.6L)	3.375in./85.7mmX4.125in./104.8mm	4
D298H 298 CID (4.9L)	3.750in./95.3mmX4.500in./114.3mm	6	QXD3 230 CID (3.8L)	3.438in./87.33mmX4.125in./104.8mm	4
D300 298 CID (4.9L)	3.750in./95.3mmX4.500in./114.3mm	6	QXD5 230 CID (3.8L)	3.438in./87.33mmX4.125in./104.8mm	4
D300T 298 CID (4.9L) Diesel	3.750in./95.3mmX4.500in./114.3mm	6	QXD 230 CID (3.8L)	3.438in./87.33mmX4.125in./104.8mm	4
D339 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	6	QXLD3 237 CID (3.9L)	3.438in./87.33mmX4.250in./108mm	4
			QXLD5 237 CID (3.9L)	3.438in./87.33mmX4.250in./108mm	4
			QXLD 237 CID (3.9L)	3.438in./87.33mmX4.250in./108mm	4

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
40090C	4.250in./108mm	2	40390C	4.250in./108mm	2	43102C	4.250in./108mm	2	44119C	4.500in./114.3mm	5
40090C	4.250in./108mm	5	40390C	4.250in./108mm	5	43102C	4.250in./108mm	5	288090D	4.500in./114.3mm	1
40090C	4.500in./114.3mm	5	40390C	4.500in./114.3mm	5	43102C	4.500in./114.3mm	5	288090D	4.500in./114.3mm	3

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
5X-403	4.500in./114.3mm	6	43528E	4.500in./114.3mm	5	46827E	4.125in./104.8mm	4	155025E	4.250in./108mm	5
40091E	4.250in./108mm	5	43531E	4.250in./108mm	5	46828B	4.125in./104.8mm	4	155026E	4.250in./108mm	2
40094D	4.250in./108mm	5	43532	4.250in./108mm	5	46828E	4.125in./104.8mm	4	156025E	4.250in./108mm	2
40094E	4.250in./108mm	5	44025E	4.250in./108mm	5	46829B	4.125in./104.8mm	4	220426C	4.500in./114.3mm	5
40950E	4.250in./108mm	5	45853D	4.250in./108mm	5	46829E	4.125in./104.8mm	4	220825E	4.250in./108mm	4
40991E	4.250in./108mm	5	45853E	4.250in./108mm	5	46831E	4.125in./104.8mm	4	250026F	4.500in./114.3mm	3
41026	4.125in./104.8mm	4	45855E	4.250in./108mm	5	46839E	4.250in./108mm	4	250026F	4.500in./114.3mm	6
41026B	4.125in./104.8mm	4	45857E	4.250in./108mm	5	47830D	4.125in./104.8mm	4	255029	4.250in./108mm	2
42947E	4.500in./114.3mm	5	45859B	4.250in./108mm	5	49525B	4.250in./108mm	4	256025E	4.500in./114.3mm	3
42974E	4.500in./114.3mm	5	45859D	4.250in./108mm	5	49528E	4.250in./108mm	4	256025E	4.500in./114.3mm	6
42979E	4.250in./108mm	5	45859E	4.250in./108mm	5	50024E	4.250in./108mm	5	256026E	4.500in./114.3mm	3
43526D	4.500in./114.3mm	5	45868	4.250in./108mm	2	140025D	4.250in./108mm	5	261025E	4.500in./114.3mm	6
43526E	4.250in./108mm	5	45868G	4.250in./108mm	5	140025D	4.500in./114.3mm	5	285026E	4.500in./114.3mm	6
43528B	4.500in./114.3mm	5	46024E	4.250in./108mm	5	140026D	4.250in./108mm	5	285360E	4.500in./114.3mm	6

HERCULES (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
285360F	4.500in./114.3mm	3	2202250	4.250in./108mm	2	4505959	4.500in./114.3mm	6	C-5145	4.250in./108mm	5

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

3 CYL

1	130 CID/2127CC (2.1L) DD130 Diesel 3 Cyl			3.500in./88.9mm x 4.500in./114.3mm				1
	130 CID/2127CC (2.1L) GO130 3 Cyl			3.500in./88.9mm x 4.500in./114.3mm				
	149 CID (2.4L) DD149,GO149 3 Cyl			3.750in./95.3mm x 4.500in./114.3mm				
	149 CID/2435CC (2.4L) D1500 Diesel 3 Cyl			3.750in./95.3mm x 4.500in./114.3mm				
	149 CID/2435CC (2.4L) G1500,GO1500 3 Cyl			3.750in./95.3mm x 4.500in./114.3mm				
	169 CID (2.8L) D1700 Diesel 3 Cyl			4.000in./101.6mm x 4.500in./114.3mm				
	169 CID (2.8L) DD169,G1700,GO169 3 Cyl			4.000in./101.6mm x 4.500in./114.3mm				
Rod Bearing(3) TM-112 CB-340P STD,10,20,30,40				1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640
NOTE: Engines with 2.00" Crankpins and 2.500" Main Journals, Contains 2 Shims								
Rod Bearing(3) TM-112 CB-704P STD,10,20,30				2.3730/2.3740	0.0013/0.0043	0.0756	2.5260/2.5270	1.1640
NOTE: Engines with 2.375" Crankpins and 2.875" Main Journals								
Main Bearing Set TM-112 MS-1680P STD,10								
1-2-4 MB-2185P				2.8734/2.8744	0.0012/0.0037	0.0956	3.0665/3.0670	1.0360
3 MB-2092P(F)				2.8734/2.8744	0.0018/0.0043	0.0953	3.0665/3.0670	2.1190
NOTE: Engines with 2.875" Main Journals, Upper And Lower Bearing Halves Have Locating Lug In The Same Position								
Cam Bearing Set B-1 SH-561S STD								
1-3 SH-561				2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	1.0720
2 SH-198				2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230

4 CYL

2	164 CID (2.7L) JX4E2 4 Cyl			3.500in./88.9mm x 4.250in./108mm			2	
	188 CID (3.1L) JX4C2,JX4C3,JX4C5,JX4E3 4 Cyl			3.750in./95.3mm x 4.250in./108mm				
	214 CID (3.5L) JX4D2,JX4D3,JX4D5,JX4E5 4 Cyl			4.000in./101.6mm x 4.250in./108mm				
Rod Bearing(4) TM-112 CB-340P STD,10,20,30,40				1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640
NOTE: Contains 2 Shims								
Cam Bearing Set B-1 SH-198S STD								
1-4 SH-197				2.0530/2.0540	0.0005/0.0040	0.0668	2.1870/2.1880	1.1350
2-3 SH-198				2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230
NOTE: From Engine Serial Number 501088								
Rod Forging 40090C, 40390C, 43102C								
C/S Forging 45868, 255029, 155026E, 156025E, 2202250								
Connecting Rod 53 To 56 Lbs.Ft.								
Main Bearing 60 To 70 Lbs.Ft.								
3	173 CID (2.8L) DD173 Diesel 4 Cyl			3.500in./88.9mm x 4.500in./114.3mm			3	
	173 CID (2.8L) GO173 4 Cyl			3.500in./88.9mm x 4.500in./114.3mm				
	198 CID (3.2L) D2000 Diesel 4 Cyl			3.750in./95.3mm x 4.500in./114.3mm				
	198 CID (3.2L) DD198,G2000,GO198 4 Cyl			3.750in./95.3mm x 4.500in./114.3mm				
	226 CID (3.7L) D2300 Diesel 4 Cyl			4.000in./101.6mm x 4.500in./114.3mm				
	226 CID (3.7L) DD226,G2300,GO226 4 Cyl			4.000in./101.6mm x 4.500in./114.3mm				
Rod Bearing(4) TM-112 CB-340P STD,10,20,30,40				1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640
NOTE: Engines with 2.00" Crankpins and 2.500" Main Journals, Contains 2 Shims								
Rod Bearing(4) TM-112 CB-704P STD,10,20,30				2.3730/2.3740	0.0013/0.0043	0.0756	2.5260/2.5270	1.1640
NOTE: Engines with 2.375" Crankpins and 2.875" Main Journals								
Main Bearing Set TM-112 MS-1681P STD,10								
1-2-4-5 MB-2185P				2.8734/2.8744	0.0012/0.0037	0.0956	3.0665/3.0670	1.0360
3 MB-2092P(F)				2.8734/2.8744	0.0018/0.0043	0.0953	3.0665/3.0670	2.1190
NOTE: Engines with 2.875" Main Journals, Lateral Rod Bushing								
Cam Bearing Set B-1 SH-562S STD								
1-4 SH-561				2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	1.0720
2-3 SH-198				2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230
Rod Forging 288090D								
C/S Forging 250026F, 256025E, 256026E, 285360F								

HERCULES (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
3 (Cont.)	173 CID (2.8L) DD173 Diesel 4 Cyl				3.500in./88.9mm x 4.500in./114.3mm			3 (Cont.)
	173 CID (2.8L) GO173 4 Cyl				3.500in./88.9mm x 4.500in./114.3mm			
	198 CID (3.2L) D2000 Diesel 4 Cyl				3.750in./95.3mm x 4.500in./114.3mm			
	198 CID (3.2L) DD198,G2000,GO198 4 Cyl				3.750in./95.3mm x 4.500in./114.3mm			
	226 CID (3.7L) D2300 Diesel 4 Cyl				4.000in./101.6mm x 4.500in./114.3mm			
	226 CID (3.7L) DD226,G2300,GO226 4 Cyl				4.000in./101.6mm x 4.500in./114.3mm			
Connecting Rod		56 Lbs.Ft.						
Main Bearing		70 To 80 Lbs.Ft.						
6 CYL								
4	191 CID (3.1L) QXA,QXA3,QXA5 6 Cyl				3.125in./79.4mm x 4.125in./104.8mm			4
	205 CID (3.4L) QXB,QXB3,QXB5 6 Cyl				3.250in./82.6mm x 4.250in./108mm			
	222 CID (3.6L) QXC,QXC3,QXC5 6 Cyl				3.375in./85.7mm x 4.125in./104.8mm			
	230 CID (3.8L) QXD,QXD3,QXD5 6 Cyl				3.438in./87.33mm x 4.125in./104.8mm			
	237 CID (3.9L) QXLD,QXLD3,QXLD5 6 Cyl				3.438in./87.33mm x 4.250in./108mm			
Rod Bearing(6)	TM-112	CB-341P	STD,10,20	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.0280
Cam Bearing Set	B-1	SH-322S	STD					
1-4		SH-322		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	1.0340
2-3		SH-323		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	0.5650
C/S Forging		41026, 41026B, 46827E, 46828B, 46828E, 46829B, 46829E, 46831E, 46839E, 47830D, 49525B, 49528E, 220825E						
Connecting Rod		53 To 56 Lbs.Ft.						
Main Bearing		60 To 70 Lbs.Ft.						
5	228 CID (3.7L) JXA 6 Cyl				3.375in./85.7mm x 4.250in./108mm			5
	232 CID (3.8L) JXF 6 Cyl				3.406in./86.5mm x 4.250in./108mm			
	245 CID (4.0L) JXE3 6 Cyl				3.250in./82.6mm x 4.250in./108mm			
	245 CID (4.0L) JXE,JXG 6 Cyl				3.500in./88.9mm x 4.250in./108mm			
	263 CID (4.3L) JXB 6 Cyl				3.625in./92.1mm x 4.250in./108mm			
	282 CID (4.6L) JXC,JXC3,JXCF 6 Cyl				3.750in./95.3mm x 4.250in./108mm			
	298 CID (4.9L) JXLC 6 Cyl				3.750in./95.3mm x 4.500in./114.3mm			
	320 CID (5.2L) JXD,JXD 6 Cyl				4.000in./101.6mm x 4.250in./108mm			
	339 CID (5.6L) JXLD 6 Cyl				4.000in./101.6mm x 4.500in./114.3mm			
Rod Bearing(6)	TM-112	CB-340P	STD,10,20,30,40	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640
NOTE: Contains 2 Shims								
Cam Bearing Set	B-1	SH-198S	STD					
1-4		SH-197		2.0530/2.0540	0.0005/0.0040	0.0668	2.1870/2.1880	1.1350
2-3		SH-198		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230
NOTE: From Engine Serial Number 501088								
Rod Forging	40090C, 40390C, 43102C, 44119C							
C/S Forging	43532, 40091E, 40094D, 40094E, 40950E, 40991E, 42947E, 42974E, 42979E, 43526D, 43526E, 43528B, 43528E, 43531E, 44025E, 45853D, 45853E, 45855E, 45857E, 45859B, 45859D, 45859E, 45868G, 46024E, 50024E, C-5145, 140025D, 140026D, 155025E, 220426C							
Connecting Rod		53 To 56 Lbs.Ft.						
Main Bearing		60 To 70 Lbs.Ft.						
6	260 CID (4.3L) DD260 Diesel 6 Cyl				3.500in./88.9mm x 4.500in./114.3mm			6
	260 CID (4.3L) GO260 6 Cyl				3.500in./88.9mm x 4.500in./114.3mm			
	298 CID (4.9L) 298,3000,D298H,D300,DD298,G298H,G3000,GO298 6 Cyl				3.750in./95.3mm x 4.500in./114.3mm			
	298 CID (4.9L) D3000,D300T Diesel 6 Cyl				3.750in./95.3mm x 4.500in./114.3mm			
	339 CID (5.6L) 339,339H,D339,D339H,DD339,DD339H,G3400,GO339 6 Cyl				4.000in./101.6mm x 4.500in./114.3mm			
	339 CID (5.6L) D3400 Diesel 6 Cyl				4.000in./101.6mm x 4.500in./114.3mm			
Rod Bearing(6)	TM-112	CB-340P	STD,10,20,30,40	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640
NOTE: Engines with 2.00" Crankpins and 2.500" Main Journals, Contains 2 Shims								
Rod Bearing(6)	TM-112	CB-704P	STD,10,20,30	2.3730/2.3740	0.0013/0.0043	0.0756	2.5260/2.5270	1.1640
NOTE: Engines with 2.375" Crankpins and 2.875" Main Journals								
Main Bearing Set	TM-112	MS-650P	STD,10					
1-2-3-5-6-7		MB-2185P		2.8734/2.8744	0.0012/0.0037	0.0956	3.0665/3.0670	1.0360
4		MB-2092P(F)		2.8734/2.8744	0.0018/0.0043	0.0953	3.0665/3.0670	2.1190
NOTE: Engines with 2.875" Main Journals, Upper And Lower Bearing Halves Have Locating Lug In The Same Position								
Cam Bearing Set	B-1	SH-562S	STD					
1-4		SH-561		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	1.0720
2-3		SH-198		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230
C/S Forging		5X-403, 250026F, 256025E, 261025E, 285026E, 285360E, 4505959						

HERCULES (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
6 (Cont.)	260 CID (4.3L) DD260 Diesel 6 Cyl				3.500in./88.9mm x 4.500in./114.3mm			6 (Cont.)
	260 CID (4.3L) GO260 6 Cyl				3.500in./88.9mm x 4.500in./114.3mm			
	298 CID (4.9L) 298,3000,D298H,D300,DD298,G298H,G3000,GO298 6 Cyl				3.750in./95.3mm x 4.500in./114.3mm			
	298 CID (4.9L) D3000,D300T Diesel 6 Cyl				3.750in./95.3mm x 4.500in./114.3mm			
	339 CID (5.6L) 339,339H,D339,D339H,DD339,DD339H,G3400,GO339 6 Cyl				4.000in./101.6mm x 4.500in./114.3mm			
	339 CID (5.6L) D3400 Diesel 6 Cyl				4.000in./101.6mm x 4.500in./114.3mm			
Connecting Rod		56 Lbs.Ft.						
Main Bearing		70 To 80 Lbs.Ft.						
7	478 CID (7.8L) D4800 Diesel 6 Cyl				4.563in./115.9mm x 4.875in./123.8mm			7
Rod Bearing(6)	TM-112	CB-954P	STD,10,20	2.9970/2.9980	0.0027/0.0057	0.1254	3.2510/3.2520	1.4530

HONDA

ENGINE DATA							
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				4 CYL (Cont.)			
1169CC (1.2L) EB1 SOHC 1973		2.756in./70mmX2.992in./76mm	1	1598CC (1.6L) EY 1983-1990		3.149in./80mmX3.149in./80mm	11
1237CC (1.2L) EB2 SOHC 1974-1977		2.835in./72mmX2.992in./76mm	1	1599CC (1.6L) EF1 SOHC 1976-1978		2.913in./74mmX3.661in./93mm	6
1237CC (1.2L) EB3 SOHC 1978-1979		2.835in./72mmX2.992in./76mm	1	1599CC (1.6L) EG 1978-1979		2.913in./74mmX3.661in./93mm	6
1335CC (1.3L) EJ1 SOHC 1980-1983		2.835in./72mmX3.228in./82mm	1	(Canadian)			
1342CC (1.3L) D13A2 1987		2.913in./74mmX3.071in./78mm	2	1602CC (1.6L) EL1 1982-1983		3.031in./77mmX3.386in./86mm	6
SOHC				(Canadian)			
1342CC (1.3L) EV1 SOHC 1984-1986		2.913in./74mmX3.071in./78mm	3	1751CC (1.8L) EK1 SOHC 1979-1983		3.031in./77mmX3.701in./94mm	6
1342CC (1.3L) EV2 1984-1986		2.913in./74mmX3.071in./78mm	4	1829CC (1.8L) 1987		3.150in./80mmX3.583in./91mm	12
1488CC (1.5L) D15A2 1987		2.913in./74mmX3.386in./86mm	5	A18A1/A18A2			
SOHC				1829CC (1.8L) ES1 SOHC 1983		3.150in./80mmX3.583in./91mm	12
1488CC (1.5L) D15A3 1987		2.913in./74mmX3.386in./86mm	5	1829CC (1.8L) ES2 1984-1985		3.150in./80mmX3.583in./91mm	12
1488CC (1.5L) EC 1975-1979		2.913in./74mmX3.386in./86mm	6	Carbureted SOHC			
(Canadian)				1829CC (1.8L) ES3 Fuel 1985		3.150in./80mmX3.583in./91mm	12
1488CC (1.5L) ED1/ED2 1975		2.913in./74mmX3.386in./86mm	6	Inj. SOHC			
1488CC (1.5L) ED3/ED4 1976-1979		2.913in./74mmX3.386in./86mm	6	1829CC (1.8L) ET2 SOHC 1984-1986		3.150in./80mmX3.583in./91mm	12
1488CC (1.5L) EM1 1980-1983		2.913in./74mmX3.386in./86mm	6	1955CC (2.0L) 1985-1989		3.258in./82.75mmX3.583in./91mm	12
SOHC				A20A1/A20A3/BS1/BS2/BT1			
1488CC (1.5L) EW1 1984-1986		2.913in./74mmX3.386in./86mm	7	1955CC (2.0L) BT2 SOHC 1986		3.258in./82.75mmX3.583in./91mm	12
SOHC				1958CC (2.0L) B20A3 1988-1990		3.189in./81mmX3.740in./95mm	13
1488CC (1.5L) EW3 1985		2.913in./74mmX3.386in./86mm	7	SOHC Carbureted			
SOHC				1958CC (2.0L) B20A5 1988-1991		3.189in./81mmX3.740in./95mm	14
1488CC (1.5L) EW4 1986		2.913in./74mmX3.386in./86mm	7	DOHC			
1493CC (1.5L) 1988-1991		2.953in./75mmX3.346in./85mm	5	1972CC (2.0L) B20B4 1997-1998		3.307in./84mmX3.504in./89mm	15
D15B1/D15B2				1972CC (2.0L) B20Z2 1999-2001		3.307in./84mmX3.504in./89mm	15
1493CC (1.5L) D15B6 1988-1991		2.953in./75mmX3.346in./85mm	8	DOHC			
SOHC				2056CC (2.1L) B21A1 1990-1991		3.268in./83mmX3.740in./95mm	14
1493CC (1.5L) D15B7 1992-1995		2.953in./75mmX3.346in./85mm	5	DOHC			
SOHC				2156CC (2.2L) F22A1 1990-1996		3.346in./85mmX3.740in./95mm	16
1493CC (1.5L) D15B8 1992-1995		2.953in./75mmX3.346in./85mm	5	SOHC			
SOHC				2156CC (2.2L) F22A4 1990-1991		3.346in./85mmX3.740in./95mm	16
1493CC (1.5L) D15Z1 1992-1995		2.953in./75mmX3.346in./85mm	5	SOHC			
V-TEC SOHC				2156CC (2.2L) F22A6 1991-1993		3.346in./85mmX3.740in./95mm	16
1590CC (1.6L) D16A6 1988-1991		2.953in./75mmX3.543in./90mm	9	SOHC			
SOHC				2156CC (2.2L) F22B1 1994-1997		3.346in./85mmX3.740in./95mm	16
1590CC (1.6L) D16Y5 1996-2000		2.953in./75mmX3.543in./90mm	9	V-TEC SOHC			
V-TEC-2 SOHC				2156CC (2.2L) F22B2 1994-1997		3.346in./85mmX3.740in./95mm	16
1590CC (1.6L) D16Y7 1996-2000		2.953in./75mmX3.188in./80.98mm	9	SOHC			
SOHC				2156CC (2.2L) F22B6 1995-1997		3.346in./85mmX3.740in./95mm	16
1590CC (1.6L) D16Y8 1996-2000		2.953in./75mmX3.543in./90mm	9	SOHC			
V-TEC SOHC				2157CC (2.2L) H22A1 1993-1996		3.425in./87mmX3.571in./90.7mm	17
1590CC (1.6L) D16Z6 1992-1995		2.953in./75mmX3.543in./90mm	9	V-TEC DOHC			
V-TEC SOHC				2157CC (2.2L) H22A4 1997-2001		3.425in./87mmX3.571in./90.7mm	18
1595CC (1.6L) B16A2 1996-2000		3.189in./81mmX3.047in./77.4mm	10	V-TEC DOHC			
V-TEC DOHC				2259CC (2.3L) H23A1 1992-1996		3.425in./87mmX3.740in./95mm	16
1595CC (1.6L) B16A3 1994-1995		3.189in./81mmX3.047in./77.4mm	10	DOHC			
V-TEC DOHC							

HONDA (Cont.)

ENGINE DATA (Cont.)

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL (Cont.)				6 CYL (Cont.)			
2559CC (2.6L) 4ZE1 SOHC Isuzu	1994-1996	3.646in./92.6mmX3.736in./95mm	19	3165CC (3.2L) DOHC 6VD1 Isuzu	1998-2002	3.677in./93.4mmX3.031in./77mm	21
6 CYL				3165CC (3.2L) SOHC ISZ (6VD1) Isuzu	1994-1997	3.677in./93.4mmX3.031in./77mm	21
2675CC (2.7L) C27A4 SOHC	1995-1997	3.425in./87mmX2.953in./75mm	20				

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
Accord	1598CC (1.6L) EY	1983-1990	11	Civic	1493CC (1.5L) D15B8 SOHC	1992-1995	5
Accord	1599CC (1.6L) EF1 SOHC	1976-1978	6	Civic	1493CC (1.5L) D15Z1 V-TEC SOHC	1992-1995	5
Accord	1599CC (1.6L) EG (Canadian)	1978-1979	6	Civic	1590CC (1.6L) D16A6 SOHC	1988-1991	9
Accord	1602CC (1.6L) EL1 (Canadian)	1982-1983	6	Civic	1590CC (1.6L) D16Z6 V-TEC SOHC	1992-1995	9
Accord	1751CC (1.8L) EK1 SOHC	1979-1983	6	Civic	1590CC (1.6L) D16Y7 SOHC	1996-2000	9
Accord	1829CC (1.8L) ES2 Carbureted SOHC	1984-1985	12	Civic	1590CC (1.6L) D16Y8 V-TEC SOHC	1996-2000	9
Accord	1829CC (1.8L) ES3 Fuel Inj. SOHC	1985	12	Civic	1590CC (1.6L) D16Y5 V-TEC-2 SOHC	1996-2000	9
Accord	1955CC (2.0L) A20A1/A20A3/BS1/BS2/BT1	1986-1989	12	Civic	1595CC (1.6L) B16A2 V-TEC DOHC	1999-2000	10
Accord	1955CC (2.0L) BT2 SOHC	1986	12	Del-Sol	1493CC (1.5L) D15B7 SOHC	1993-1995	5
Accord	2156CC (2.2L) F22A1 SOHC	1990-1993	16	Del-Sol	1590CC (1.6L) D16Z6 V-TEC SOHC	1993-1995	9
Accord	2156CC (2.2L) F22A4 SOHC	1990-1991	16	Del-Sol	1590CC (1.6L) D16Y7 SOHC	1996-1997	9
Accord	2156CC (2.2L) F22A6 SOHC	1991-1993	16	Del-Sol	1590CC (1.6L) D16Y8 V-TEC SOHC	1996-1997	9
Accord	2156CC (2.2L) F22B1 V-TEC SOHC	1994-1997	16	Del-Sol	1595CC (1.6L) B16A3 V-TEC DOHC	1994-1995	10
Accord	2156CC (2.2L) F22B2 SOHC	1994-1997	16	Del-Sol	1595CC (1.6L) B16A2 V-TEC DOHC	1996-1997	10
Accord	2675CC (2.7L) C27A4 SOHC	1995-1997	20	Odyssey	2156CC (2.2L) F22B6 SOHC	1995-1997	16
CR-V	1972CC (2.0L) B20B4	1997-1998	15	Passport	2559CC (2.6L) 4ZE1 SOHC Isuzu	1994-1996	19
CR-V	1972CC (2.0L) B20Z2 DOHC	1999-2001	15	Passport	3165CC (3.2L) SOHC ISZ (6VD1) Isuzu	1994-1997	21
CRX	1342CC (1.3L) EV1 SOHC	1984	3	Passport	3165CC (3.2L) DOHC 6VD1 Isuzu	1998-2002	21
CRX	1488CC (1.5L) EW1 SOHC	1984-1986	7	Prelude	1751CC (1.8L) EK1 SOHC	1979-1982	6
CRX	1488CC (1.5L) EW3 SOHC	1985	7	Prelude	1829CC (1.8L) ES1 SOHC	1983	12
CRX	1488CC (1.5L) EW4	1986	7	Prelude	1829CC (1.8L) ET2 SOHC	1984-1986	12
CRX	1488CC (1.5L) D15A2 SOHC	1987	5	Prelude	1829CC (1.8L) A18A1/A18A2	1987	12
CRX	1488CC (1.5L) D15A3	1987	5	Prelude	1955CC (2.0L) A20A1/A20A3/BS1/BS2/BT1	1985	12
CRX	1493CC (1.5L) D15B1/D15B2	1988-1991	5	Prelude	1955CC (2.0L) BT2 SOHC	1986	12
CRX	1493CC (1.5L) D15B6 SOHC	1988-1991	8	Prelude	1958CC (2.0L) B20A5 DOHC	1988-1991	14
CRX	1590CC (1.6L) D16A6 SOHC	1988-1991	9	Prelude	1958CC (2.0L) B20A3 SOHC Carbureted	1988-1990	13
Civic	1169CC (1.2L) EB1 SOHC	1973	1	Prelude	2056CC (2.1L) B21A1 DOHC	1990-1991	14
Civic	1237CC (1.2L) EB2 SOHC	1974-1979	1	Prelude	2156CC (2.2L) F22A1 SOHC	1992-1996	16
Civic	1237CC (1.2L) EB3 SOHC	1977-1979	1	Prelude	2157CC (2.2L) H22A1 V-TEC DOHC	1993-1996	17
Civic	1335CC (1.3L) EJ1 SOHC	1980-1983	1	Prelude	2157CC (2.2L) H22A4 V-TEC DOHC	1997-2001	18
Civic	1342CC (1.3L) EV1 SOHC	1984-1986	3	Prelude	2259CC (2.3L) H23A1 DOHC	1992-1996	16
Civic	1342CC (1.3L) EV2	1984-1986	4				
Civic	1342CC (1.3L) D13A2 SOHC	1987	2				
Civic	1488CC (1.5L) ED1/ED2	1975-1976	6				
Civic	1488CC (1.5L) EC (Canadian)	1975-1979	6				
Civic	1488CC (1.5L) ED3/ED4	1975-1979	6				
Civic	1488CC (1.5L) EM1 SOHC	1980-1983	6				
Civic	1488CC (1.5L) EW1 SOHC	1984-1986	7				
Civic	1488CC (1.5L) EW4	1986	7				
Civic	1488CC (1.5L) D15A2 SOHC	1987	5				
Civic	1488CC (1.5L) D15A3	1987	5				
Civic	1493CC (1.5L) D15B1/D15B2	1988-1991	5				
Civic	1493CC (1.5L) D15B7 SOHC	1992-1995	5				

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block			
KN224	3.031in./77mm	21			

HONDA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1169CC (1.2L) EB1 SOHC 4 Cyl (1973)			2.756in./70mm x 2.992in./76mm				1
	1237CC (1.2L) EB2 SOHC 4 Cyl (1974-1977)			2.835in./72mm x 2.992in./76mm				
	1237CC (1.2L) EB3 SOHC 4 Cyl (1978-1979)			2.835in./72mm x 2.992in./76mm				
	1335CC (1.3L) EJ1 SOHC 4 Cyl (1980-1983)			2.835in./72mm x 3.228in./82mm				
Rod Bearing(4) TM-1 CB-1222P STD.,25mm.,50mm.,75mm NOTE: Undersize Bearings Can Be Used But The Crankshaft Must Be Rehardened By The TUFFTRIDED Process				1.5739/1.5748	0.0005/0.0034	0.0591	1.6929/1.6939	0.6890
Main Bearing Set 1-2-3-4-5 TM-1 MS-1431P STD.,25mm.,50mm.,75mm MB-2753P NOTE: Requires Thrust Washer Set, Not Included,Undersize Bearings Can Be Used But The Crankshaft Must Be Rehardened By The TUFFTRIDED Process, Use With Part Number TW-327S				1.9676/1.9685	0.0009/0.0017	0.0791	2.1260/2.1269	0.7870
Thrust Washer Set TW-327S STD MB-2753W(U) NOTE: Contains 2 Pieces, Position Number 1, Use With Part Number MS-1431P				2.1850/2.2440			3.0510/3.0710	0.0970
Connecting Rod 18 To 21 Lbs.Ft. Main Bearing 27 To 31 Lbs.Ft.								
2	1342CC (1.3L) D13A2 SOHC 4 Cyl (1987)			2.913in./74mm x 3.071in./78mm				2
Rod Bearing(4) TM-1 CB-1458P STD.,25mm.,50mm				1.5738/1.5748	0.0008/0.0015	0.0592	1.6929/1.6936	0.7280
Main Bearing Set 1-2-3-4-5 TM-1 MS-1806AL STD.,25mm.,50mm MB-3178AL NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-327S				1.7707/1.7717	0.0009/0.0017	0.0788	1.9291/1.9300	0.7870
Thrust Washer Set TW-327S STD MB-2753W(U) NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1806AL				2.1850/2.2440			3.0510/3.0710	0.0970
Connecting Rod 20 Lbs.Ft. Main Bearing 36 Lbs.Ft.								
3	1342CC (1.3L) EV1 SOHC 4 Cyl (1984-1986)			2.913in./74mm x 3.071in./78mm				3
Rod Bearing(4) TM-1 CB-1479P STD.,25mm.,50mm				1.4951/1.4961	0.0006/0.0028	0.0592	1.6142/1.6152	0.7280
Main Bearing Set 1-2-3-4-5 TM-1 MS-1806AL STD.,25mm.,50mm MB-3178AL NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-327S				1.7707/1.7717	0.0009/0.0017	0.0788	1.9291/1.9300	0.7870
Thrust Washer Set TW-327S STD MB-2753W(U) NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1806AL				2.1850/2.2440			3.0510/3.0710	0.0970
Connecting Rod 20 Lbs.Ft. Main Bearing 33 Lbs.Ft.								
4	1342CC (1.3L) EV2 4 Cyl (1984-1986)			2.913in./74mm x 3.071in./78mm				4
Rod Bearing(4) TM-1 CB-1479P STD.,25mm.,50mm				1.4951/1.4961	0.0006/0.0028	0.0592	1.6142/1.6152	0.7280
Main Bearing Set 1-2-3-4-5 TM-1 MS-1431P STD.,25mm.,50mm.,75mm MB-2753P NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-327S				1.9676/1.9685	0.0009/0.0017	0.0791	2.1260/2.1269	0.7870
Thrust Washer Set TW-327S STD MB-2753W(U) NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1431P				2.1850/2.2440			3.0510/3.0710	0.0970
5	1488CC (1.5L) D15A2 SOHC,D15A3 4 Cyl (1987)			2.913in./74mm x 3.386in./86mm				5
	1493CC (1.5L) D15B1/D15B2 4 Cyl (1988-1991)			2.953in./75mm x 3.346in./85mm				
	1493CC (1.5L) D15B7 SOHC,D15B8 SOHC,D15Z1 V-TEC SOHC 4 Cyl			2.953in./75mm x 3.346in./85mm				
	(1992-1995)							
Rod Bearing(4) TM-1 CB-1459P STD.,25mm.,50mm				1.6525/1.6535	0.0008/0.0015	0.0590	1.7717/1.7727	0.7280
Main Bearing Set 1-2-3-4-5 TM-1 MS-1806AL STD.,25mm.,50mm MB-3178AL NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-327S				1.7707/1.7717	0.0009/0.0017	0.0788	1.9291/1.9300	0.7870
Thrust Washer Set TW-327S STD MB-2753W(U) NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1806AL				2.1850/2.2440			3.0510/3.0710	0.0970

HONDA (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
5 (Cont.)	1488CC (1.5L) D15A2 SOHC,D15A3 4 Cyl (1987)				2.913in./74mm x 3.386in./86mm				5 (Cont.)
	1493CC (1.5L) D15B1/D15B2 4 Cyl (1988-1991)				2.953in./75mm x 3.346in./85mm				
	1493CC (1.5L) D15B7 SOHC,D15B8 SOHC,D15Z1 V-TEC SOHC 4 Cyl (1992-1995)				2.953in./75mm x 3.346in./85mm				
Connecting Rod		20 Lbs.Ft. (1488CC (1.5L) D15A2 SOHC)							
Connecting Rod		23 Lbs.Ft. (1493CC (1.5L) D15B2 SOHC)							
Connecting Rod		24 Lbs.Ft. (1493CC (1.5L) D15B7 SOHC)							
Main Bearing		36 Lbs.Ft. (1488CC (1.5L) D15A2 SOHC)							
Main Bearing		47 Lbs.Ft. (1493CC (1.5L) D15B2 SOHC)							
Main Bearing		Step A 18 Lbs.Ft.;Step B 38 Lbs.Ft. (1493CC (1.5L) D15B7 SOHC)							
6	1488CC (1.5L) EC (Canadian) 4 Cyl (1975-1979)				2.913in./74mm x 3.386in./86mm				6
	1488CC (1.5L) ED1/ED2 4 Cyl (1975)				2.913in./74mm x 3.386in./86mm				
	1488CC (1.5L) ED3/ED4 4 Cyl (1976-1979)				2.913in./74mm x 3.386in./86mm				
	1488CC (1.5L) EM1 SOHC 4 Cyl (1980-1983)				2.913in./74mm x 3.386in./86mm				
	1599CC (1.6L) EF1 SOHC 4 Cyl (1976-1978)				2.913in./74mm x 3.661in./93mm				
	1599CC (1.6L) EG (Canadian) 4 Cyl (1978-1979)				2.913in./74mm x 3.661in./93mm				
	1602CC (1.6L) EL1 (Canadian) 4 Cyl (1982-1983)				3.031in./77mm x 3.386in./86mm				
1751CC (1.8L) EK1 SOHC 4 Cyl (1979-1983)				3.031in./77mm x 3.701in./94mm					
Rod Bearing(4)		TM-77	CB-1223P	STD,.25mm,.50mm,.75mm	1.6526/1.6535	0.0005/0.0034	0.0591	1.7717/1.7726	0.6890
NOTE: Undersize Bearings Can Be Used But The Crankshaft Must Be Rehardened By The TUFFTRIDED Process									
Main Bearing Set 1-2-3-4-5		TM-1	MS-1431P MB-2753P	STD,.25mm,.50mm,.75mm	1.9676/1.9685	0.0009/0.0017	0.0791	2.1260/2.1269	0.7870
NOTE: Requires Thrust Washer Set, Not Included,Undersize Bearings Can Be Used But The Crankshaft Must Be Rehardened By The TUFFTRIDED Process, Use With Part Number TW-327S									
Thrust Washer Set		TW-327S MB-2753W(U)		STD	2.1850/2.2440	3.0510/3.0710		0.0970	
NOTE: Contains 2 Pieces, Position Number 1, Use With Part Number MS-1431P									
Connecting Rod		18 To 21 Lbs.Ft.							
Main Bearing		30 To 35 Lbs.Ft.							
7	1488CC (1.5L) EW1 SOHC 4 Cyl (1984-1986)				2.913in./74mm x 3.386in./86mm				7
	1488CC (1.5L) EW3 SOHC 4 Cyl (1985)				2.913in./74mm x 3.386in./86mm				
	1488CC (1.5L) EW4 4 Cyl (1986)				2.913in./74mm x 3.386in./86mm				
Rod Bearing(4)		TM-1	CB-1459P	STD,.25mm,.50mm	1.6525/1.6535	0.0008/0.0015	0.0590	1.7717/1.7727	0.7280
Main Bearing Set 1-2-3-4-5		TM-1	MS-1431P MB-2753P	STD,.25mm,.50mm,.75mm	1.9676/1.9685	0.0009/0.0017	0.0791	2.1260/2.1269	0.7870
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-327S									
Thrust Washer Set		TW-327S MB-2753W(U)		STD	2.1850/2.2440	3.0510/3.0710		0.0970	
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1431P									
Connecting Rod		19 To 22 Lbs.Ft.							
Main Bearing		30 To 35 Lbs.Ft.							
8	1493CC (1.5L) D15B6 SOHC 4 Cyl (1988-1991)				2.953in./75mm x 3.346in./85mm				8
Main Bearing Set 1-2-3-4-5		TM-1	MS-1806AL MB-3178AL	STD,.25mm,.50mm	1.7707/1.7717	0.0009/0.0017	0.0788	1.9291/1.9300	0.7870
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-327S									
Thrust Washer Set		TW-327S MB-2753W(U)		STD	2.1850/2.2440	3.0510/3.0710		0.0970	
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1806AL									
Connecting Rod		20 Lbs.Ft.							
Main Bearing		33 Lbs.Ft.							
9	1590CC (1.6L) D16A6 SOHC 4 Cyl (1988-1991)				2.953in./75mm x 3.543in./90mm				9
	1590CC (1.6L) D16Y5 V-TEC-2 SOHC,D16Y8 V-TEC SOHC 4 Cyl (1996-2000)				2.953in./75mm x 3.543in./90mm				
	1590CC (1.6L) D16Y7 SOHC 4 Cyl (1996-2000)				2.953in./75mm x 3.188in./80.98mm				
	1590CC (1.6L) D16Z6 V-TEC SOHC 4 Cyl (1992-1995)				2.953in./75mm x 3.543in./90mm				
Rod Bearing(4)		TM-1	CB-1461P	STD,.25mm,.50mm	1.7707/1.7717	0.0008/0.0015	0.0592	1.8898/1.8907	0.7280
Main Bearing Set 1-2-3-4-5		TM-1	MS-1804P MB-3176P	STD,.25mm,.50mm	2.1644/2.1654	0.0010/0.0019	0.0790	2.3228/2.3237	0.7870
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-473S									

HONDA (Cont.)

COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
9 (Cont.)	1590CC (1.6L) D16A6 SOHC 4 Cyl (1988-1991)				2.953in./75mm x 3.543in./90mm			9 (Cont.)	
	1590CC (1.6L) D16Y5 V-TEC-2 SOHC,D16Y8 V-TEC SOHC 4 Cyl (1996-2000)				2.953in./75mm x 3.543in./90mm				
	1590CC (1.6L) D16Y7 SOHC 4 Cyl (1996-2000)				2.953in./75mm x 3.188in./80.98mm				
	1590CC (1.6L) D16Z6 V-TEC SOHC 4 Cyl (1992-1995)				2.953in./75mm x 3.543in./90mm				
Thrust Washer Set		TW-473S	STD	2.4114/2.4213			3.2185/3.2283	0.0980	
		MB-3176W							
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1804P									
Connecting Rod		20 Lbs.Ft. (1590CC (1.6L) D16A6 SOHC)							
Connecting Rod		23 Lbs.Ft. (1590CC (1.6L) D16Z6 V-TEC SOHC)							
Connecting Rod		23 Lbs.Ft. (1990-1991, 1590CC (1.6L) D16A6 SOHC)							
Main Bearing		33 Lbs.Ft. (1988-1989, 1590CC (1.6L) D16A6 SOHC)							
Main Bearing		47 Lbs.Ft. (1590CC (1.6L) D16Z6 V-TEC SOHC)							
Main Bearing		47 Lbs.Ft. (1990-1991, 1590CC (1.6L) D16A6 SOHC)							
10	1595CC (1.6L) B16A2 V-TEC DOHC 4 Cyl (1996-2000)				3.189in./81mm x 3.047in./77.4mm			10	
	1595CC (1.6L) B16A3 V-TEC DOHC 4 Cyl (1994-1995)				3.189in./81mm x 3.047in./77.4mm				
Rod Bearing(4)		TM-1	CB-1777P	STD.,25mm.,50mm	1.7707/1.7717	0.0014/0.0043	0.0586	1.8898/1.8907	0.7677
Main Bearing Set		TM-1	MS-2095P	STD.,25mm.,50mm	2.1644/2.1654	0.0010/0.0019	0.0790	2.3228/2.3237	0.7870
1-2-3-4-5			MB-3760P						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-473S									
Thrust Washer Set		TW-473S	STD	2.4114/2.4213			3.2185/3.2283	0.0980	
		MB-3176W							
NOTE: Contains 2 Pieces, Use With Part Number MS-2095P									
11	1598CC (1.6L) EY 4 Cyl (1983-1990)				3.149in./80mm x 3.149in./80mm			11	
Rod Bearing(4)		TM-1	CB-1460P	STD.,25mm.,50mm	1.6525/1.6535	0.0008/0.0015	0.0592	1.7717/1.7725	0.6890
Main Bearing Set		TM-1	MS-1618P	STD.,25mm.,50mm	1.9675/1.9685	0.0007/0.0037	0.0791	2.1260/2.1269	0.7870
1-2-3-4-5			MB-2966P						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-327S									
Thrust Washer Set		TW-327S	STD	2.1850/2.2440			3.0510/3.0710	0.0970	
		MB-2753W(U)							
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1618P									
12	1829CC (1.8L) A18A1/A18A2 4 Cyl (1987)				3.150in./80mm x 3.583in./91mm			12	
	1829CC (1.8L) ES1 SOHC 4 Cyl (1983)				3.150in./80mm x 3.583in./91mm				
	1829CC (1.8L) ES2 Carbureted SOHC 4 Cyl (1984-1985)				3.150in./80mm x 3.583in./91mm				
	1829CC (1.8L) ES3 Fuel Inj. SOHC 4 Cyl (1985)				3.150in./80mm x 3.583in./91mm				
	1829CC (1.8L) ET2 SOHC 4 Cyl (1984-1986)				3.150in./80mm x 3.583in./91mm				
	1955CC (2.0L) A20A1/A20A3/BS1/BS2/BT1 4 Cyl (1985-1989)				3.258in./82.75mm x 3.583in./91mm				
		1955CC (2.0L) BT2 SOHC 4 Cyl (1986)			3.258in./82.75mm x 3.583in./91mm				
Rod Bearing(4)		TM-1	CB-1353P	STD.,25mm.,50mm	1.7707/1.7717	0.0005/0.0034	0.0591	1.8898/1.8907	0.7680
Main Bearing Set		TM-1	MS-1618P	STD.,25mm.,50mm	1.9675/1.9685	0.0007/0.0037	0.0791	2.1260/2.1269	0.7870
1-2-3-4-5			MB-2966P						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-327S									
Thrust Washer Set		TW-327S	STD	2.1850/2.2440			3.0510/3.0710	0.0970	
		MB-2753W(U)							
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1618P									
Connecting Rod		23 Lbs.Ft. (1990-1991,)							
Main Bearing		48 Lbs.Ft. (1829CC (1.8L) A18A1 SOHC,1829CC (1.8L) ES1 SOHC,1829CC (1.8L) ES2 Carbureted SOHC,1829CC (1.8L) ES3 Fuel Inj. SOHC,1829CC (1.8L) ET2 SOHC)							
Main Bearing		49 Lbs.Ft. (1955CC (2.0L) BT1 SOHC,1955CC (2.0L) BT2 SOHC)							
13	1958CC (2.0L) B20A3 SOHC Carbureted 4 Cyl (1988-1990)				3.189in./81mm x 3.740in./95mm			13	
Rod Bearing(4)		TM-1	CB-1353P	STD.,25mm.,50mm	1.7707/1.7717	0.0005/0.0034	0.0591	1.8898/1.8907	0.7680
Main Bearing Set		TM-1	MS-1804P	STD.,25mm.,50mm	2.1644/2.1654	0.0010/0.0019	0.0790	2.3228/2.3237	0.7870
1-2-3-4-5			MB-3176P						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-473S									
Thrust Washer Set		TW-473S	STD	2.4114/2.4213			3.2185/3.2283	0.0980	
		MB-3176W							
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1804P									
Connecting Rod		23 Lbs.Ft.							
Main Bearing		49 Lbs.Ft.							

HONDA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
14	1958CC (2.0L) B20A5 DOHC 4 Cyl (1988-1991) 2056CC (2.1L) B21A1 DOHC 4 Cyl (1990-1991)			3.189in./81mm x 3.740in./95mm 3.268in./83mm x 3.740in./95mm				14
Rod Bearing(4)	TM-1	CB-1456P	STD.,25mm.,50mm	1.8888/1.8898	0.0007/0.0035	0.0590	2.0079/2.0087	0.7640
Main Bearing Set 1-2-3-4-5	TM-1	MS-1804P MB-3176P	STD.,25mm.,50mm	2.1644/2.1654	0.0010/0.0019	0.0790	2.3228/2.3237	0.7870
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-473S								
Thrust Washer Set		TW-473S MB-3176W	STD	2.4114/2.4213			3.2185/3.2283	0.0980
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1804P								
Connecting Rod Main Bearing	34 Lbs.Ft. 49 Lbs.Ft.							
15	1972CC (2.0L) B20B4 4 Cyl (1997-1998) 1972CC (2.0L) B20Z2 DOHC 4 Cyl (1999-2001)			3.307in./84mm x 3.504in./89mm 3.307in./84mm x 3.504in./89mm				15
Rod Bearing(4)	TM-1	CB-1461P	STD.,25mm.,50mm	1.7707/1.7717	0.0008/0.0015	0.0592	1.8898/1.8907	0.7280
Main Bearing Set 1-2-3-4-5	TM-1	MS-2095P MB-3760P	STD.,25mm.,50mm	2.1644/2.1654	0.0010/0.0019	0.0790	2.3228/2.3237	0.7870
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-473S								
Thrust Washer Set		TW-473S MB-3176W	STD	2.4114/2.4213			3.2185/3.2283	0.0980
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-2095P								
16	2156CC (2.2L) F22A1 SOHC 4 Cyl (1990-1996) 2156CC (2.2L) F22A4 SOHC 4 Cyl (1990-1991) 2156CC (2.2L) F22A6 SOHC 4 Cyl (1991-1993) 2156CC (2.2L) F22B1 V-TEC SOHC,F22B2 SOHC 4 Cyl (1994-1997) 2156CC (2.2L) F22B6 SOHC 4 Cyl (1995-1997) 2259CC (2.3L) H23A1 DOHC 4 Cyl (1992-1996)			3.346in./85mm x 3.740in./95mm 3.346in./85mm x 3.740in./95mm 3.346in./85mm x 3.740in./95mm 3.346in./85mm x 3.740in./95mm 3.346in./85mm x 3.740in./95mm 3.425in./87mm x 3.740in./95mm				16
Rod Bearing(4)	TM-1	CB-1456P	STD.,25mm.,50mm	1.8888/1.8898	0.0007/0.0035	0.0590	2.0079/2.0087	0.7640
NOTE: Engines With 1.8888"/1.8898" Diameter Shaft								
Main Bearing Set 1-2-3-4-5	TM-1	MS-2012P MB-3474P	STD.,25mm.,50mm	1.9677/1.9687	0.0005/0.0015	0.0788	2.1253/2.1263	0.7880
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-587S								
Thrust Washer Set		TW-587S MB-3474W	STD	2.2641			3.0713	0.0980
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-2012P								
Connecting Rod Main Bearing Main Bearing	34 Lbs.Ft. 54 Lbs.Ft. (Lubricated Bolts) Step A 22 Lbs.Ft.; Step B 55 Lbs.Ft. (2156CC (2.2L) F22A1 SOHC,2156CC (2.2L) F22A4 SOHC,2156CC (2.2L) F22A6 SOHC)							
17	2157CC (2.2L) H22A1 V-TEC DOHC 4 Cyl (1993-1996)			3.425in./87mm x 3.571in./90.7mm				17
Rod Bearing(4)	TM-1	CB-1780P	STD.,25mm.,50mm	1.8888/1.8898	0.0008/0.0036	0.0589	2.0079/2.0087	0.7650
Main Bearing Set 1-2-3-4-5	TM-1	MS-2012P MB-3474P	STD.,25mm.,50mm	1.9677/1.9687	0.0005/0.0015	0.0788	2.1253/2.1263	0.7880
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-587S								
Thrust Washer Set		TW-587S MB-3474W	STD	2.2641			3.0713	0.0980
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-2012P								
18	2157CC (2.2L) H22A4 V-TEC DOHC 4 Cyl (1997-2001)			3.425in./87mm x 3.571in./90.7mm				18
Rod Bearing(4)	TM-1	CB-1780P	STD.,25mm.,50mm	1.8888/1.8898	0.0008/0.0036	0.0589	2.0079/2.0087	0.7650
Main Bearing Set 1-2-3-4-5	TM-1	MS-1804P MB-3176P	STD.,25mm.,50mm	2.1644/2.1654	0.0010/0.0019	0.0790	2.3228/2.3237	0.7870
NOTE: 1998-2001, Requires Thrust Washer Set, Not Included, Use With Part Number TW-473S								
Main Bearing Set 1-2-3-4-5	TM-1	MS-2012P MB-3474P	STD.,25mm.,50mm	1.9677/1.9687	0.0005/0.0015	0.0788	2.1253/2.1263	0.7880
NOTE: 1997, Requires Thrust Washer Set, Not Included, Use With Part Number TW-587S								
Thrust Washer Set		TW-473S MB-3176W	STD	2.4114/2.4213			3.2185/3.2283	0.0980
NOTE: 1998-2001, Contains 2 Pieces, Position Number 4, Use With Part Number MS-1804P								

HONDA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
18 (Cont.)	2157CC (2.2L) H22A4 V-TEC DOHC 4 Cyl (1997-2001)			3.425in./87mm x 3.571in./90.7mm				18 (Cont.)
Thrust Washer Set		TW-587S MB-3474W	STD	2.2641			3.0713	0.0980
NOTE: 1997, Contains 2 Pieces, Position Number 4, Use With Part Number MS-2012P								
19	2559CC (2.6L) 4ZE1 SOHC Isuzu 4 Cyl (1994-1996)			3.646in./92.6mm x 3.736in./95mm				19
Rod Bearing(4)	AL-3	CB-1480AL	STD, .25mm, .50mm	1.9262/1.9268	0.0010/0.0026	0.0596	2.0466/2.0474	0.8320
Main Bearing Set 1-2-3-4-5	TM-1	MS-1821AL MB-3210AL	STD, .25mm, .50mm	2.2016/2.2022	0.0012/0.0028	0.0791	2.3614/2.3622	0.8610
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Thrust Washer Set		TW-451S MB-3061W	STD	2.5197			3.1575	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1821AL								
Connecting Rod	43 Lbs.Ft.							
Main Bearing	72 Lbs.Ft.							
6 CYL								
20	2675CC (2.7L) C27A4 SOHC V6 Cyl (1995-1997)			3.425in./87mm x 2.953in./75mm				20
Rod Bearing(6)	TM-1	CB-1457P	STD, .25mm	2.0463/2.0472	0.0010/0.0020	0.0592	2.1654/2.1663	0.6890
Thrust Washer Set		TW-474S MB-3177W	STD	2.9626/2.9724			3.6909/3.7008	0.0980
21	3165CC (3.2L) DOHC 6VD1 Isuzu V6 Cyl (1998-2002) 3165CC (3.2L) SOHC ISZ (6VD1) Isuzu V6 Cyl (1994-1997)			3.677in./93.4mm x 3.031in./77mm 3.677in./93.4mm x 3.031in./77mm				21
Rod Bearing(6)	TM-1	CB-1830P	STD, .25mm, .50mm	2.1229/2.1235	0.0007/0.0031	0.0596	2.2434/2.2441	0.6740
Main Bearing Set 1-4	TM-1	MS-2236P MB-3805P	STD, .25mm, .50mm	2.5165/2.5170	0.0010/0.0033	0.0995	2.7157/2.7165	0.7280
2-3		MB-3806P		2.5165/2.5170	0.0010/0.0033	0.0995	2.7157/2.7165	0.6500
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-615S								
Thrust Washer Set		TW-615S MB-3807W	STD	2.7953/2.8051				0.0770
NOTE: Contains 2 Pieces, Use With Part Number MS-2236P								
C/S Forging	KN224							

HUMMER

ENGINE DATA							
Engine	Years	Block	Engine	Years	Block		
8 CYL			8 CYL (Cont.)				
350 CID (5.7L) Fuel Injected Chevrolet	1995-1996	1	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	3		
365 CID (6.0L) Vortec 6000 Chevrolet	2002-2004	2	395 CID/6468CC (6.5L) Chevrolet Turbocharged Diesel	1996-2002	3		
379 CID (6.2L) Chevrolet Diesel	1992-1993	3					
MODEL DATA							
Model	Engine	Years	Block	Model	Engine	Years	Block
H1	395 CID/6468CC (6.5L) Chevrolet Diesel	2002-2005	3	HMCO	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-2001	3
H2	365 CID (6.0L) Vortec 6000 Chevrolet	2002-2005	2	HMCS	350 CID (5.7L) Fuel Injected Chevrolet	1995-1996	1
HMC4	350 CID (5.7L) Fuel Injected Chevrolet	1995-1996	1	HMCS	379 CID (6.2L) Chevrolet Diesel	1992-1993	3
HMC4	379 CID (6.2L) Chevrolet Diesel	1992-1993	3	HMCS	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	3
HMC4	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	3	HMCS	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-2001	3
HMC4	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-2001	3	XLC2	350 CID (5.7L) Fuel Injected Chevrolet	1995-1996	1
HMCO	350 CID (5.7L) Fuel Injected Chevrolet	1995-1996	1	XLC2	379 CID (6.2L) Chevrolet Diesel	1992-1993	3
HMCO	379 CID (6.2L) Chevrolet Diesel	1992-1993	3	XLC2	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	3
HMCO	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	3	XLC2	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-2001	3

HUMMER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL								
1	350 CID (5.7L) Fuel Injected Chevrolet V8 Cyl (1995-1996)			4.000in./101.6mm x 3.484in./88.5mm				1
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4 5	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
Cam Bearing Set 1 2-5 3-4	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3892671, 3916396, 3923282, 3946841							
C/S Forging	1182, 2690, 306275, 306276, 310514, 3732444, 3832442, 3912335, 3932444, 3941184, 4568749							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
2	365 CID (6.0L) Vortec 6000 Chevrolet V8 Cyl (2002-2004)			4.000in./101.6mm x 3.622in./92mm				2
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	TM-77	MS-2199P MB-3591P MB-3592P(F)	STD,10,20,30	2.5588/2.5593 2.5588/2.5593	0.0002/0.0018 0.0002/0.0018	0.0957 0.0957	2.7509/2.7515 2.7509/2.7515	0.8050 1.0280
Cam Bearing Set 1-5 2-4 3	B-1	SH-1814S SH-1814 SH-1815 SH-1816	STD	2.1650/2.1670 2.1650/2.1670 2.1650/2.1670	0.0011/0.0063 0.0011/0.0063 0.0011/0.0063	0.0790 0.0740 0.0692	2.3260/2.3280 2.3161/2.3181 2.3063/2.3083	0.6350 0.6350 0.6350
NOTE: 2002, 2003 1st Design Positions 1 And 5 Housing Bore is 2.3260"/2.3280"								

HUMMER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
2 (Cont.)	365 CID (6.0L) Vortec 6000 Chevrolet V8 Cyl (2002-2004)				4.000in./101.6mm x 3.622in./92mm			2 (Cont.)
Cam Bearing Set	B-1	SH-1995S	STD					
1-5		SH-1995		2.1650/2.1670	0.0011/0.0063	0.0890	2.3460/2.3480	0.6350
2-4		SH-1814		2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
3		SH-1816		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
NOTE: 2004, 2003 2nd Design Positions 1 And 5 Housing Bore is 2.3460"/2.3480"								
Piston Pin Bushing(8)	C-1	223-3663				0.0585		0.9350
NOTE: Requires Light Reaming								
3	379 CID (6.2L) Chevrolet Diesel V8 Cyl (1992-1993)				3.976in./101mm x 3.819in./97mm			3
	395 CID/6468CC (6.5L) Chevrolet Diesel V8 Cyl (1994-1999)				4.055in./103mm x 3.819in./97mm			
	395 CID/6468CC (6.5L) Chevrolet Turbocharged Diesel V8 Cyl (1996-2002)				4.055in./103mm x 3.819in./97mm			
Rod Bearing(8)	TM-77	CB-1286P	STD,.026mm,.25mm,.50mm,.75mm	2.3982/2.3992	0.0014/0.0044	0.0620	2.5246/2.5256	0.9020
Main Bearing Set	TM-77	MS-2091P	STD,.026mm,.25mm,.50mm,.75mm					
1-2-4		MB-3587P		2.9495/2.9504	0.0016/0.0045	0.0955	3.1427/3.1437	0.8970
3		MB-3588P(F)		2.9495/2.9504	0.0016/0.0045	0.0955	3.1427/3.1437	1.1300
5		MB-3589P		2.9493/2.9503	0.0018/0.0047	0.0955	3.1427/3.1437	1.3910
Cam Bearing Set	AL-3	SH-1366S	STD					
1		SH-1366		2.1644/2.1663	0.0005/0.0050	0.0801	2.3270/2.3290	0.9260
2		SH-1367		2.1644/2.1663	0.0005/0.0050	0.0756	2.3180/2.3200	0.8070
3		SH-1368		2.1644/2.1663	0.0005/0.0050	0.0706	2.3080/2.3100	0.8070
4		SH-1369		2.1644/2.1663	0.0005/0.0050	0.0656	2.2980/2.3000	0.8070
5		SH-1370		2.0069/2.0089	0.0005/0.0050	0.0661	2.1410/2.1430	0.8070
Piston Pin Bushing(8)	C-1	223-3576				0.580	1.3030/1.3045	1.0010
NOTE: Requires Boring, 1.309" Outside Diamter, .995" Length, 1.201" Inside Diameter								
C/S Forging	14024236							
Connecting Rod	48 Lbs.Ft.							
Main Bearing	100 Lbs.Ft. (Outer Bolts)							
Main Bearing	110 Lbs.Ft. (Inner Bolts)							
Main Bearing	111 Lbs.Ft. (Outer Bolts)							

HYUNDAI

ENGINE DATA							
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				4 CYL (Cont.)			
1439CC (1.4L) 4G33 Mitsubishi	1984-1987	2.874in./73mmX3.386in./86mm	1	1597CC (1.6L) 4G32 SOHC Mitsubishi	1985-1990	3.028in./76.9mmX3.386in./86mm	5
1468CC (1.5L) G4AJ 8 Valve Mitsubishi	1986-1989	2.972in./75.5mmX3.228in./82mm	2	1997CC (2.0L) G4CP DOHC Mitsubishi	1992-1998	3.346in./85mmX3.465in./88mm	6
1468CC (1.5L) G4DJ 8 Valve Mitsubishi	1990-1994	2.972in./75.5mmX3.228in./82mm	3	1997CC (2.0L) G63B SOHC Mitsubishi	1985-1989	3.346in./85mmX3.465in./88mm	7
1495CC (1.5L) G4EK SOHC 12 Valve Mitsubishi	1994-2002	2.972in./75.5mmX3.287in./83.5mm	4	2351CC (2.4L) G4CS SOHC Mitsubishi	1989-1991	3.406in./86.5mmX3.937in./100mm	8
1495CC (1.5L) G4EK SOHC 12 Valve Mitsubishi	1994-1995	2.972in./75.5mmX3.287in./83.5mm	4	6 CYL			
Turbocharged							
1595CC (1.6L) DOHC Mitsubishi	1992-1995	3.240in./82.3mmX2.953in./75mm	5	2972CC (3.0L) G6AT SOHC Mitsubishi	1989-1998	3.587in./91.1mmX2.992in./76mm	9
MODEL DATA							
Model	Engine	Years	Block	Model	Engine	Years	Block
Accent	1495CC (1.5L) G4EK SOHC 12 Valve Mitsubishi	1995-2002	4	Pony	1439CC (1.4L) 4G33 Mitsubishi	1984-1988	1
Elantra	1595CC (1.6L) DOHC Mitsubishi	1992-1995	5	Pony	1597CC (1.6L) 4G32 SOHC Mitsubishi	1984-1990	5
Excel	1468CC (1.5L) G4AJ 8 Valve Mitsubishi	1986-1989	2	Scoupe	1468CC (1.5L) G4DJ 8 Valve Mitsubishi	1991-1992	3
Excel	1468CC (1.5L) G4DJ 8 Valve Mitsubishi	1990-1994	3	Scoupe	1495CC (1.5L) G4EK SOHC 12 Valve Mitsubishi	1993-1995	4

HYUNDAI (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Scoupe	1495CC (1.5L) G4EK SOHC 12 Valve Mitsubishi	1993-1995	4	Sonata	2972CC (3.0L) G6AT SOHC Mitsubishi	1989-1998	9
Sonata	1997CC (2.0L) G4CP DOHC Mitsubishi	1992-1998	6	Stellar	1597CC (1.6L) 4G32 SOHC Mitsubishi	1985-1988	5
Sonata	2351CC (2.4L) G4CS SOHC Mitsubishi	1989-1991	8	Stellar	1997CC (2.0L) G63B SOHC Mitsubishi	1985-1989	7

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
4G1	3.228in./82mm	3	4K	3.228in./82mm	3	4XCIU	3.228in./82mm	3	5 E	3.287in./83.5mm	4
4G61	3.228in./82mm	3	4XC1-U	3.228in./82mm	3	4XCU	3.287in./83.5mm	4	508E-6303	3.287in./83.5mm	4
4G-3	3.228in./82mm	3	4XC-U	3.287in./83.5mm	4	4XCUT	3.287in./83.5mm	4	565524DYNA	3.287in./83.5mm	4
4K05	3.228in./82mm	3	4XC-UT	3.287in./83.5mm	4	4ZE1	3.287in./83.5mm	4	G6	3.465in./88mm	6

COUNTER DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1 1439CC (1.4L) 4G33 Mitsubishi 4 Cyl (1984-1987)

2.874in./73mm x 3.386in./86mm

1

Rod Bearing(4)	AL-3	CB-1120AL	STD,.25mm,.50mm,.75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250
Main Bearing Set 1-2-4-5	TM-1	MS-2076P	STD,.25mm,.50mm	2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	0.9060
3		MB-2869P		2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	1.1400
NOTE: All Sizes Contain Standard Length Flanged Bearing								

Connecting Rod 23 To 25 Lbs.Ft.

Main Bearing 36 To 39 Lbs.Ft.

2 1468CC (1.5L) G4AJ 8 Valve Mitsubishi 4 Cyl (1986-1989)

2.972in./75.5mm x 3.228in./82mm

2

Rod Bearing(4)	AL-3	CB-1278AL	STD,.25mm,.50mm,.75mm	1.6527/1.6535	0.0011/0.0035	0.0588	1.7717/1.7725	0.6940
Main Bearing Set 1-2-4-5	TM-1	MS-1668P	STD,.25mm,.50mm,.75mm	1.8890/1.8898	0.0011/0.0034	0.0783	2.0472/2.0480	0.7520
3		MB-3049P		1.8890/1.8898	0.0011/0.0034	0.0793	2.0472/2.0480	0.9430
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing,Partial Grooved Main Bearings								

Main Bearing Set 1-2-4-5	TM-1	MS-2075P-.25mm	.50mm	1.8890/1.8898	0.0011/0.0034	0.0783	2.0472/2.0480	0.7520
3		MB-3049P		1.8890/1.8898	0.0011/0.0034	0.0783	2.0472/2.0480	0.9430
NOTE: All Sizes Contain Standard Length Flanged Bearing,Partial Grooved Main Bearings								

Connecting Rod 24 To 25 Lbs.Ft.

Main Bearing 37 To 39 Lbs.Ft.

3 1468CC (1.5L) G4DJ 8 Valve Mitsubishi 4 Cyl (1990-1994)

2.972in./75.5mm x 3.228in./82mm

3

Rod Bearing(4)	AL-3	CB-1278AL	STD,.25mm,.50mm,.75mm	1.6527/1.6535	0.0011/0.0035	0.0588	1.7717/1.7725	0.6940
NOTE: Thru 9/90								
Rod Bearing(4)	AL-3	CB-1588AL	STD,.25mm,.50mm	1.6527/1.6535	0.0011/0.0035	0.0588	1.7717/1.7725	0.6100
NOTE: From 9/90								

Main Bearing Set 1-2-4-5	TM-1	MS-1668P	STD,.25mm,.50mm,.75mm	1.8890/1.8898	0.0011/0.0034	0.0783	2.0472/2.0480	0.7520
3		MB-3049P		1.8890/1.8898	0.0011/0.0034	0.0793	2.0472/2.0480	0.9430
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing,Partial Grooved Main Bearings								

Main Bearing Set 1-2-4-5	TM-1	MS-2075P-.25mm	.50mm	1.8890/1.8898	0.0011/0.0034	0.0783	2.0472/2.0480	0.7520
3		MB-3049P		1.8890/1.8898	0.0011/0.0034	0.0783	2.0472/2.0480	0.9430
NOTE: All Sizes Contain Standard Length Flanged Bearing,Partial Grooved Main Bearings								

C/S Forging 4K, 4G1, 4G-3, 4G61, 4K05, 4XCIU, 4XC1-U

Connecting Rod 24 To 25 Lbs.Ft.

Main Bearing 37 To 39 Lbs.Ft.

HYUNDAI (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
4	1495CC (1.5L) G4EK SOHC 12 Valve Mitsubishi 4 Cyl (1994-2002) 1495CC (1.5L) G4EK SOHC 12 Valve Mitsubishi Turbocharged 4 Cyl (1994-1995)				2.972in./75.5mm x 3.287in./83.5mm 2.972in./75.5mm x 3.287in./83.5mm			4
Rod Bearing(4)	TM-1	CB-1829P	STD.,.25mm,.50mm	1.7707/1.7713	0.0008/0.0028	0.0589	1.8898/1.8905	0.7530
Main Bearing Set 1-2-4-5 3	TM-1	MS-2234P MB-3803P MB-3804P(F)	STD.,.25mm,.50mm	1.9676/1.9682 1.9676/1.9682	0.0008/0.0028 0.0008/0.0028	0.0785 0.0785	2.1260/2.1268 2.1260/2.1268	0.7140 0.9020
C/S Forging 5 E, 4XCU, 4ZE1, 4XC-U, 4XCUT, 4XC-UT, 508E-6303, 565524DYNA								
Connecting Rod 24 To 25 Lbs.Ft. Main Bearing 37 To 39 Lbs.Ft.								
5	1595CC (1.6L) DOHC Mitsubishi 4 Cyl (1992-1995) 1597CC (1.6L) 4G32 SOHC Mitsubishi 4 Cyl (1985-1990)				3.240in./82.3mm x 2.953in./75mm 3.028in./76.9mm x 3.386in./86mm			5
Rod Bearing(4)	AL-6	CB-1120AL	STD.,.25mm,.50mm,.75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250
Main Bearing Set 1-2-4-5 3	TM-1	MS-2076P MB-2869P MB-3572P(F)	STD.,.25mm,.50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.9060 1.1400
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Balance Shaft Bearing Set RH; Front RH; LH Rear	AL-3	SH-1465S SH-1465 SH-1466	STD	1.5344 1.4164	0.0008/0.0030 0.0017/0.0039	0.0593 0.0589	1.6545 1.5364	0.7580 0.6300
6	1997CC (2.0L) G4CP DOHC Mitsubishi 4 Cyl (1992-1998)				3.346in./85mm x 3.465in./88mm			6
Rod Bearing(4)	TM-77	CB-1643P	STD.,.25mm,.50mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.8010
Main Bearing Set 1-2-4-5 3	TM-1	MS-2039P MB-3504P MB-3505P(F)	STD.,.25mm,.50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.8050 1.0040
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Balance Shaft Bearing Set LH; Rear RH; Front RH; Rear	AL-3	SH-1469S SH-1468 SH-1467 SH-1469	STD	1.6129 1.6526 1.6129	0.0010/0.0031 0.0010/0.0031 0.0010/0.0031	0.0589 0.0593 0.0589	1.7333 1.7726 1.7333	0.8268 0.7480 0.8268
C/S Forging G6								
Connecting Rod 23 To 25 Lbs.Ft. Main Bearing 36 To 39 Lbs.Ft.								
7	1997CC (2.0L) G63B SOHC Mitsubishi 4 Cyl (1985-1989)				3.346in./85mm x 3.465in./88mm			7
Rod Bearing(4)	AL-6	CB-1120AL	STD.,.25mm,.50mm,.75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250
Main Bearing Set 1-2-4-5 3	TM-1	MS-2076P MB-2869P MB-3572P(F)	STD.,.25mm,.50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.9060 1.1400
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Balance Shaft Bearing Set RH; Front RH; LH Rear	AL-3	SH-1467S SH-1467 SH-1468	STD	1.6526 1.6129	0.0010/0.0031 0.0010/0.0031	0.0593 0.0589	1.7726 1.7333	0.7480 0.8268
NOTE: 1985, Thru 8/85								
Balance Shaft Bearing Set LH; Rear RH; Front RH; Rear	AL-3	SH-1469S SH-1468 SH-1467 SH-1469	STD	1.6129 1.6526 1.6129	0.0010/0.0031 0.0010/0.0031 0.0010/0.0031	0.0589 0.0593 0.0589	1.7333 1.7726 1.7333	0.8268 0.7480 0.8268
NOTE: From 8/85								
Connecting Rod 23 To 25 Lbs.Ft. Main Bearing 36 To 39 Lbs.Ft.								
8	2351CC (2.4L) G4CS SOHC Mitsubishi 4 Cyl (1989-1991)				3.406in./86.5mm x 3.937in./100mm			8
Rod Bearing(4)	AL-6	CB-1120AL	STD.,.25mm,.50mm,.75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250
Main Bearing Set 1-2-4-5 3	TM-1	MS-2076P MB-2869P MB-3572P(F)	STD.,.25mm,.50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.9060 1.1400
NOTE: All Sizes Contain Standard Length Flanged Bearing, Naturally Aspirated								

HYUNDAI (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
8 (Cont.)	2351CC (2.4L) G4CS SOHC Mitsubishi 4 Cyl (1989-1991)			3.406in./86.5mm x 3.937in./100mm				8 (Cont.)
Balance Shaft Bearing Set	AL-3	SH-1469S	STD					
LH; Rear		SH-1468		1.6129	0.0010/0.0031	0.0589	1.7333	0.8268
RH; Front		SH-1467		1.6526	0.0010/0.0031	0.0593	1.7726	0.7480
RH; Rear		SH-1469		1.6129	0.0010/0.0031	0.0589	1.7333	0.8268
6 CYL								
9	2972CC (3.0L) G6AT SOHC Mitsubishi V6 Cyl (1989-1998)			3.587in./91.1mm x 2.992in./76mm				9
Rod Bearing(6)	TM-77	CB-1411P	STD,.25mm,.50mm,.75mm	1.9677/1.9685	0.0009/0.0027	0.0587	2.0866/2.0868	0.6120
Main Bearing Set 1-2-3-4	TM-77	MS-1720P MB-3108P	STD,.25mm,.50mm,.75mm	2.3614/2.3622	0.0007/0.0034	0.0784	2.5197/2.5204	0.7120
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-458S To Be Replaced By MS-2226P								
Thrust Washer Set		TW-458S	STD					
		MB-3108W(L)		2.5984/2.6083			3.0492/3.0594	0.0778
		MB-3108W(U)		2.5984/2.6083			3.0492/3.0594	0.0778
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1720P								
INFINITI								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
4 CYL				6 CYL (Cont.)				
1998CC (2.0L) SR20DE DOHC Nissan	1991-1996	3.386in./86mmX3.386in./86mm	1	3275CC (3.3L) VG33E SOHC Nissan	1997-1998	3.602in./91.5mmX3.268in./83mm	2	
6 CYL				8 CYL				
2960CC (3.0L) VG30DE DOHC Nissan	1993-1997	3.425in./87mmX3.268in./83mm	2	4130CC (4.1L) VH41DE DOHC	1997-1998	3.661in./93mmX2.992in./76mm	3	
2960CC (3.0L) VG30E SOHC Nissan	1990-1992	3.425in./87mmX3.268in./83mm	2	4494CC (4.5L) VH45DE DOHC	1990-1996	3.661in./93mmX3.268in./83mm	3	
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
G20	1998CC (2.0L) SR20DE DOHC Nissan	1991-1996	1	Q45	4130CC (4.1L) VH41DE DOHC	1997-2001	3	
J30	2960CC (3.0L) VG30DE DOHC Nissan	1993-1997	2	Q45	4494CC (4.5L) VH45DE DOHC	1990-1996	3	
M30	2960CC (3.0L) VG30E SOHC Nissan	1990-1992	2	QX4	3275CC (3.3L) VG33E SOHC Nissan	1997-2000	2	
CRANKSHAFT FORGING NUMBERS								
Forging No.	Stroke	Block	Forging No.	Stroke	Block			
F5	3.268in./83mm	2	VG30	3.268in./83mm	2			
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1998CC (2.0L) SR20DE DOHC Nissan 4 Cyl (1991-1996)			3.386in./86mm x 3.386in./86mm				1
Rod Bearing(4)	TM-1	CB-1629P	STD,.25mm	1.8880/1.8890	0.0008/0.0018	0.0595	2.0079/2.0084	0.6690
Main Bearing Set 1-2-3-4-5	TM-1	MS-2015P MB-3478P	STD,.25mm	2.1636/2.1646	0.0005/0.0022	0.0779	2.3206/2.3216	0.7480
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-590S								
Thrust Washer Set		TW-590S	STD					
		MB-3478W		2.4314			3.2878	0.0770
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-2015P								
Connecting Rod	Step A 10 To 12 Lbs.Ft.; Step B 28 To 33 Lbs.Ft.							
Main Bearing	Step A 24 To 28 Lbs.Ft.; Step B 54 To 61 Lbs.Ft.							

INFINITI (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
2	2960CC (3.0L) VG30DE DOHC Nissan V6 Cyl (1993-1997)				3.425in./87mm x 3.268in./83mm			2
	2960CC (3.0L) VG30E SOHC Nissan V6 Cyl (1990-1992)				3.425in./87mm x 3.268in./83mm			
	3275CC (3.3L) VG33E SOHC Nissan V6 Cyl (1997-1998)				3.602in./91.5mm x 3.268in./83mm			
Rod Bearing(6)	TM-1	CB-1591P	STD, .25mm, .50mm	1.9669/1.9675	0.0006/0.0024	0.0594	2.0866/2.0871	0.6690
Main Bearing Set	TM-1	MS-1951P	STD, .25mm, .50mm					
1		MB-3344P		2.4784/2.4793	0.0004/0.0034	0.0720	2.6238/2.6249	0.8860
2-3		MB-3345P		2.4784/2.4793	0.0004/0.0034	0.0720	2.6238/2.6249	0.7480
4		MB-3346P(F)		2.4784/2.4793	0.0004/0.0034	0.0720	2.6238/2.6249	1.1340
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing								
Main Bearing Set	TM-1	MS-2074P-.25mm	.50mm					
1		MB-2995P		2.4784/2.4793	0.0011/0.0039	0.0720	2.6238/2.6243	0.8910
2-3		MB-2996P		2.4784/2.4793	0.0011/0.0039	0.0720	2.6238/2.6243	0.7530
4		MB-3570P(F)		2.4784/2.4793	0.0011/0.0039	0.0720	2.6238/2.6243	1.1360
NOTE: 2960CC (3.0L) VG30DE DOHC (1993-1996), 2960CC (3.0L) VG30E SOHC (1990-1992), 3275CC (3.3L) VG33E SOHC (1997-1998), All Sizes Contain Standard Length Flanged Bearing								
C/S Forging	F5, VG30							
Connecting Rod	33 To 40 Lbs.Ft. (2960CC (3.0L) VG30E SOHC, 3275CC (3.3L) VG33E SOHC)							
Connecting Rod	43 To 48 Lbs.Ft. (2960CC (3.0L) VG30DE DOHC)							
Main Bearing	67 To 74 Lbs.Ft.							

8 CYL								
3	4130CC (4.1L) VH41DE DOHC V8 Cyl (1997-1998)				3.661in./93mm x 2.992in./76mm			3
	4494CC (4.5L) VH45DE DOHC V8 Cyl (1990-1996)				3.661in./93mm x 3.268in./83mm			
Rod Bearing(8)	TM-1	CB-1655P	STD,.25mm	2.0455/2.0462	0.0008/0.0018	0.0594	2.1654/2.1659	0.7170
Main Bearing Set	TM-1	MS-2060P	STD,.25mm					
1-5		MB-3547P		2.5173/2.5183	0.0005/0.0019	0.0983	2.7143/2.7153	0.7880
2-4		MB-3548P		2.5173/2.5183	0.0005/0.0019	0.0983	2.7143/2.7153	0.8780
3		MB-3549P		2.5173/2.5183	0.0005/0.0019	0.0983	2.7143/2.7153	0.8370
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-597S								
Thrust Washer Set		TW-597S	STD					
		MB-3549W(L)						0.0768
		MB-3549W(U)						0.0768
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2060P								

INTERNATIONAL TRACTOR

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
3 CYL			4 CYL (Cont.)		
D155 International 155 CID (2.5L) Diesel	3.875in./98.4mmX4.375in./111.1mm	1	C169 International 169 CID (2.8L)	3.563in./90.5mmX4.250in./108mm	11
D179 International 179 CID (2.9L) Diesel	3.875in./98.4mmX5.063in./128.6mm	1	C175 (Early) International 175 CID (2.9L)	3.625in./92.1mmX4.250in./108mm	11
			C175 (Late) International 175 CID (2.9L)	3.563in./90.5mmX4.391in./111.5mm	12
			C200 International 200 CID (3.3L)	3.813in./96.9mmX4.391in./111.5mm	12
			C248 International 248 CID (4.1L)	3.875in./98.4mmX5.250in./133.4mm	14
BC144 International 144 CID (2.4L) Diesel	3.375in./85.7mmX4.000in./101.6mm	5	C264 International 264 CID (4.3L)	4.000in./101.6mmX5.250in./133.4mm	16
BD144 International 144 CID (2.4L) Diesel	3.375in./85.7mmX4.000in./101.6mm	5	C281 International 281 CID (4.6L)	4.125in./104.8mmX5.250in./133.4mm	16
BD154 International 154 CID (2.5L) Diesel	3.500in./88.9mmX4.000in./101.6mm	5	D166 International 166 CID (2.7L) Diesel	3.688in./93.7mmX3.875in./98.4mm	10
C60 International 60 CID (1.0L)	2.625in./66.7mmX2.750in./69.9mm	2	D188 International 188 CID (3.1L) Diesel	3.688in./93.7mmX4.391in./111.5mm	10
C113 International 113 CID (1.9L)	3.000in./76.2mmX4.000in./101.6mm	3	D206 International 206 CID (3.4L)	3.875in./98.4mmX4.375in./111.1mm	13
C123 International 123 CID (2.0L)	3.125in./79.4mmX4.000in./101.6mm	3	D239 International 239 CID (3.9L) Diesel	3.875in./98.4mmX5.063in./128.6mm	13
C135 International 135 CID (2.2L)	3.250in./82.6mmX4.063in./103.2mm	4	D248 International 248 CID (4.1L) Diesel	3.875in./98.4mmX5.250in./133.4mm	15
C146 International 146 CID (2.4L) Flex	3.375in./85.7mmX4.063in./103.2mm	6	D264 International 264 CID (4.3L) Diesel	4.000in./101.6mmX5.250in./133.4mm	15
C152 International 152 CID (2.5L)	3.375in./85.7mmX4.250in./108mm	7	D281 International 281 CID (4.6L) Diesel	4.125in./104.8mmX5.250in./133.4mm	15
C153 International 153 CID (2.5L) Flex	3.375in./85.7mmX4.250in./108mm	6			
C157 International 157 CID (2.6L)	3.375in./85.7mmX4.391in./111.5mm	8			
C164 International 164 CID (2.7L)	3.500in./88.9mmX4.250in./108mm	9			

INTERNATIONAL TRACTOR (Cont.)					
ENGINE DATA (Cont.)					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL (Cont.)			6 CYL (Cont.)		
D335 International 335 CID (5.5L) Diesel	4.406in./112mmX5.500in./139.7mm	17	DT407 International 407 CID (6.7L) Diesel Turbocharged	4.321in./109.7mmX4.625in./117.5mm	27
D350 International 350 CID (5.7L) Diesel	4.500in./114.3mmX5.500in./139.7mm	17	DT414 International 414 CID (6.8L) Diesel Turbocharged	4.300in./109.2mmX4.750in./120.7mm	29
D370 International 370 CID (6.1L) Diesel	4.625in./117.5mmX5.500in./139.7mm	17	DT414B International 414 CID (6.8L) Diesel Turbocharged	4.300in./109.2mmX4.750in./120.7mm	29
D461 International 461 CID (7.6L) Diesel	4.750in./120.7mmX6.500in./165.1mm	18	DT429 International 429 CID (7.0L) Diesel Turbocharged	4.500in./114.3mmX4.500in./114.3mm	30
DT239 International 239 CID (3.9L) Diesel Turbocharged	3.875in./98.4mmX5.063in./128.6mm	13	DT436 International 436 CID (7.1L) Diesel Turbocharged	4.300in./109.2mmX5.000in./127mm	29
6 CYL			DT436B International 436 CID (7.1L) Diesel Turbocharged	4.300in./109.2mmX5.000in./127mm	29
BD220 International 220 CID (3.6L)	3.563in./90.5mmX3.688in./93.7mm	19	DT466 International 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	29
BD240 International 240 CID (3.9L)	3.563in./90.5mmX4.016in./102mm	19	DT466B International 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	29
BD264 International 264 CID (4.3L)	3.688in./93.7mmX4.125in./104.8mm	19	DT466C International 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	31
BLD269 International 269 CID (4.4L)	3.563in./90.5mmX4.500in./114.3mm	23	DT691 International 691 CID (11.3L) Diesel Turbocharged	4.750in./120.7mmX6.500in./165.1mm	33
C221 International 221 CID (3.6L)	3.563in./90.5mmX3.688in./93.7mm	20	DT817 International 817 CID (13.4L) Diesel Turbocharged	5.375in./136.5mmX6.000in./152.4mm	35
C263 International 263 CID (4.3L)	3.563in./90.5mmX4.391in./111.5mm	20	DTA466C International 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	31
C282 International 282 CID (4.6L)	3.688in./93.7mmX4.391in./111.5mm	22	DT466B International 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	29
C291 International 291 CID (4.8L)	3.750in./95.3mmX4.391in./111.5mm	22	DTI466C International 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	31
C301 International 301 CID (4.9L) Flex	3.813in./96.9mmX4.391in./111.5mm	20	DTI817 International 817 CID (13.4L) Diesel Turbocharged	5.375in./136.5mmX6.000in./152.4mm	35
D236 International 236 CID (3.9L) Diesel	3.688in./93.7mmX3.688in./93.7mm	22	DTI817B International 817 CID (13.4L) Diesel Turbocharged	5.375in./136.5mmX6.000in./152.4mm	35
D282 International 282 CID (4.6L) Diesel	3.688in./93.7mmX4.391in./111.5mm	22	DTI817C International 817 CID (13.4L) Diesel Turbocharged	5.375in./136.5mmX6.000in./152.4mm	35
D301 International 301 CID (4.9L) Diesel	3.813in./96.9mmX4.391in./111.5mm	22	GRD233 International 233 CID (3.8L)	3.312in./84.1mmX4.500in./114.3mm	21
D310 International 310 CID (5.1L) Diesel	3.875in./98.4mmX3.563in./90.5mm	24	HR600 Cummins 743 CID (12.2L) Diesel	6.125in./155.6mmX6.000in./152.4mm	34
D312 International 312 CID (5.1L) Diesel	3.875in./98.4mmX4.410in./112mm	25	NH600 Cummins 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	34
D358 International 358 CID (5.9L) Diesel	3.875in./98.4mmX5.063in./128.6mm	24	RD372 International 372 CID (6.1L) LPG	4.375in./111.1mmX4.125in./104.8mm	28
D360 International 360 CID (5.9L) Diesel	3.875in./98.4mmX5.085in./129.2mm	25	RD406 International 406 CID (6.7L)	4.375in./111.1mmX4.500in./114.3mm	28
D361 International 361 CID (5.9L) Diesel	4.125in./104.8mmX4.500in./114.3mm	27	RD450 International 450 CID (7.4L)	4.375in./111.1mmX5.000in./127mm	28
D407 International 407 CID (6.7L) Diesel	4.321in./109.7mmX4.625in./117.5mm	27	RD501 International 501 CID (8.2L)	4.500in./114.3mmX5.250in./133.4mm	28
D414 International 414 CID (6.8L) Diesel	4.300in./109.2mmX4.750in./120.7mm	29	SD264 International 264 CID (4.3L)	3.688in./93.7mmX4.125in./104.8mm	19
D429 International 429 CID (7.0L) Diesel	4.500in./114.3mmX4.500in./114.3mm	30	UDT407 International 407 CID (6.7L)	4.321in./109.7mmX4.625in./117.5mm	27
D436 International 436 CID (7.1L) Diesel	4.300in./109.2mmX5.000in./127mm	29	8 CYL		
D466 International 466 CID (7.6L) Diesel	4.300in./109.2mmX5.350in./135.9mm	29	DT573 International 573 CID (9.4L) Diesel Turbocharged	4.500in./114.3mmX4.500in./114.3mm	38
D502 International 502 CID (8.2L) Diesel	4.406in./112mmX5.500in./139.7mm	32	DV800 International 798 CID (13.1L) Diesel	5.313in./135mmX4.500in./114.3mm	38
D525 International 525 CID (8.6L) Diesel	4.500in./114.3mmX5.500in./139.7mm	32	DVT573 International 573 CID (9.4L) Diesel Turbocharged	4.500in./114.3mmX4.500in./114.3mm	38
D554 International 554 CID (9.1L) Diesel	4.625in./117.5mmX5.500in./139.7mm	32	DVT573B International 573 CID (9.4L) Diesel Turbocharged	4.500in./114.3mmX4.500in./114.3mm	38
D691 International 691 CID (11.3L) Diesel	4.750in./120.7mmX6.500in./165.1mm	33	DVT800 International 798 CID (13.1L) Diesel Turbocharged	5.313in./135mmX4.500in./114.3mm	38
D817 International 817 CID (13.4L) Diesel	5.375in./136.5mmX6.000in./152.4mm	35	DVTI5		

INTERNATIONAL TRACTOR (Cont.)

MODEL DATA							
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
22 Base Model	Combine	113 CID (1.9L) C113 International	3	140 Base Model	Combine	169 CID (2.8L) C169 International	11
50 Base Model	Harvester	263 CID (4.3L) C263 International	20	140 Base Model	Combine	175 CID (2.9L) C175 (Late) International	12
50AW Base Model	Baler	60 CID (1.0L) C60 International	2	141 R	Combine	240 CID (3.9L) BD240 International	19
50T Base Model	Baler	60 CID (1.0L) C60 International	2	151 HTR	Combine	264 CID (4.3L) BD264 International	19
51 H	Combine	233 CID (3.8L) GRD233 International	21	151 HTR	Combine	282 CID (4.6L) D282 International Diesel	22
52 R	Combine	60 CID (1.0L) C60 International	2	160 Base Model	Combine	233 CID (3.8L) GRD233 International	21
55T Base Model	Baler	60 CID (1.0L) C60 International	2	161 Base Model	Windrower	123 CID (2.0L) C123 International	3
55T Base Model	Baler	113 CID (1.9L) C113 International	3	163 Base Model	Windrower	123 CID (2.0L) C123 International	3
55T Base Model	Baler	123 CID (2.0L) C123 International	3	165 Base Model	Loader	310 CID (5.1L) D310 International Diesel	24
55W Base Model	Baler	60 CID (1.0L) C60 International	2	175 Base Model	Wheel Tractor	361 CID (5.9L) DT361 International Diesel	27
55W Base Model	Baler	113 CID (1.9L) C113 International	3	181 Base Model	Combine	264 CID (4.3L) BD264 International	19
55W Base Model	Baler	123 CID (2.0L) C123 International	3	181 Base Model	Combine	282 CID (4.6L) D282 International Diesel	22
56 W	Baler	123 CID (2.0L) C123 International	3	184 Base Model	Wheel Tractor	60 CID (1.0L) C60 International	2
57 W	Baler	123 CID (2.0L) C123 International	3	200 Base Model	Wheel Tractor	123 CID (2.0L) C123 International	3
62 Base Model	Baler	113 CID (1.9L) C113 International	3	200 Base Model	Wheel Tractor	461 CID (7.6L) D461 International Diesel	18
64 Base Model	Combine	60 CID (1.0L) C60 International	2	200 Base Model	Wheel Tractor	691 CID (11.3L) D691 International Diesel	33
76 Base Model	Combine	123 CID (2.0L) C123 International	3	201 Base Model	Combine	135 CID (2.2L) C135 International	4
91 Base Model	Combine	135 CID (2.2L) C135 International	4	201 Base Model	Windrower	144 CID (2.4L) BD144 International Diesel	5
93 Base Model	Combine	153 CID (2.5L) C153 International	6	203 Base Model	Combine	153 CID (2.5L) C153 International	6
93 Base Model	Combine	154 CID (2.5L) BD154 International Diesel	5	205 Base Model	Combine	221 CID (3.6L) C221 International	20
95 Base Model	Combine	153 CID (2.5L) C153 International	6	210 Base Model	Windrower	153 CID (2.5L) C153 International	6
95 Base Model	Cotton Picker	310 CID (5.1L) D310 International Diesel	24	214 A	Cotton Picker	240 CID (3.9L) BD240 International	19
100 Base Model	Wheel Tractor	123 CID (2.0L) C123 International	3	214 A	Cotton Picker	282 CID (4.6L) D282 International Diesel	22
100E Base Model	Loader	239 CID (3.9L) DT239 International Diesel	13	220 A	Cotton Picker	240 CID (3.9L) BD240 International	19
101 HTR	Combine	220 CID (3.6L) BD220 International	19	220 A	Cotton Picker	282 CID (4.6L) D282 International Diesel	22
101 Base Model	Combine	236 CID (3.9L) D236 International Diesel	22	225 Base Model	Windrower	153 CID (2.5L) C153 International	6
105 Base Model	Combine	153 CID (2.5L) C153 International	6	230 Base Model	Wheel Tractor	123 CID (2.0L) C123 International	3
105 Base Model	Combine	206 CID (3.4L) D206 International	13	230 Base Model	Windrower	153 CID (2.5L) C153 International	6
122 HT	Combine	153 CID (2.5L) C153 International	6	240 Base Model	Wheel Tractor	123 CID (2.0L) C123 International	3
122 C	Combine	233 CID (3.8L) GRD233 International	21	240 Base Model	Wheel Tractor	179 CID (2.9L) D179 International Diesel	1
123SP Base Model	Combine	233 CID (3.8L) GRD233 International	21	250 AHS	Wheel Tractor	239 CID (3.9L) D239 International Diesel	13
125E Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	13	250 Base Model	Loader	429 CID (7.0L) DT429 International Diesel	30
130 Base Model	Wheel Tractor	123 CID (2.0L) C123 International	3	250 C	Loader	573 CID (9.4L) DVT1573B International Diesel	38
140 Hi-Clear	Wheel Tractor	123 CID (2.0L) C123 International	3	260 Base Model	Wheel Tractor	239 CID (3.9L) D239 International Diesel	13
140 Base Model	Combine	164 CID (2.7L) C164 International	9	270 Base Model	Scraper	573 CID (9.4L) DVT573B International Diesel	38

INTERNATIONAL TRACTOR (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
275 Base Model	Combine	153 CID (2.5L) C153 International	6	420 Base Model	Cotton Picker	264 CID (4.3L) BD264 International	19
275 Base Model	Windrower	206 CID (3.4L) D206 International	13	420 Base Model	Cotton Picker	282 CID (4.6L) D282 International Diesel	22
295 Base Model	Scraper	817 CID (13.4L) DT817 International Diesel	35	422 Base Model	Cotton Picker	263 CID (4.3L) C263 International	20
295B Base Model	Scraper	817 CID (13.4L) DT1817B International Diesel	35	422 Base Model	Cotton Picker	282 CID (4.6L) D282 International Diesel	22
300 Base Model	Wheel Tractor	169 CID (2.8L) C169 International	11	424 Base Model	Wheel Tractor	146 CID (2.4L) C146 International	6
300HC Base Model	Wheel Tractor	169 CID (2.8L) C169 International	11	424 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	5
300U Base Model	Wheel Tractor	169 CID (2.8L) C169 International	11	431 Base Model	Scraper	573 CID (9.4L) DVT573 International Diesel	38
303 R	Combine	220 CID (3.6L) BD220 International	19	433 Base Model	Scraper	573 CID (9.4L) DVT573 International Diesel	38
303 R	Combine	221 CID (3.6L) C221 International	20	442 Base Model	Scraper	466 CID (7.6L) DT466 International Diesel	29
315 Base Model	Combine	221 CID (3.6L) C221 International	20	442 Base Model	Scraper	573 CID (9.4L) DVT573 International Diesel	38
315 Base Model	Combine	236 CID (3.9L) D236 International Diesel	22	444 Base Model	Wheel Tractor	153 CID (2.5L) C153 International	6
330 Base Model	Wheel Tractor	135 CID (2.2L) C135 International	4	444 D	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	5
330 Base Model	Hauler	817 CID (13.4L) DT1817B International Diesel	35	444 Base Model	Scraper	573 CID (9.4L) DVT573 International Diesel	38
340 Base Model	Wheel Tractor	135 CID (2.2L) C135 International	4	450 Base Model	Wheel Tractor	281 CID (4.6L) C281 International	16
340 D	Wheel Tractor	166 CID (2.7L) D166 International Diesel	10	450D Base Model	Wheel Tractor	281 CID (4.6L) D281 International Diesel	15
340D Base Model	Wheel Tractor	166 CID (2.7L) D166 International Diesel	10	453 H	Combine	301 CID (4.9L) D301 International Diesel	22
350 Base Model	Wheel Tractor	175 CID (2.9L) C175 (Early) International	11	453 H	Combine	360 CID (5.9L) D360 International Diesel	25
350U Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	12	454 Base Model	Wheel Tractor	155 CID (2.5L) D155 International Diesel	1
354 Base Model	Wheel Tractor	144 CID (2.4L) BD144 International Diesel	5	454 Base Model	Wheel Tractor	157 CID (2.6L) C157 International	8
364 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	5	454 Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	12
375 Base Model	Windrower	153 CID (2.5L) C153 International	6	454 Base Model	Wheel Tractor	179 CID (2.9L) D179 International Diesel	1
375 Base Model	Windrower	175 CID (2.9L) C175 (Late) International	12	460 Base Model	Wheel Tractor	221 CID (3.6L) C221 International	20
375 Base Model	Windrower	206 CID (3.4L) D206 International	13	460D Base Model	Wheel Tractor	236 CID (3.9L) D236 International Diesel	22
384 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	5	460DHC Base Model	Wheel Tractor	236 CID (3.9L) D236 International Diesel	22
400 D	Wheel Tractor	264 CID (4.3L) D264 International Diesel	15	460HC Base Model	Wheel Tractor	221 CID (3.6L) C221 International	20
403 R	Combine	263 CID (4.3L) C263 International	20	460HU Base Model	Wheel Tractor	221 CID (3.6L) C221 International	20
403 H	Combine	282 CID (4.6L) D282 International Diesel	22	460U Base Model	Wheel Tractor	221 CID (3.6L) C221 International	20
403 H	Combine	301 CID (4.9L) D301 International Diesel	22	460UD Base Model	Wheel Tractor	236 CID (3.9L) D236 International Diesel	22
404 Farmall / International Base Model	Wheel Tractor	135 CID (2.2L) C135 International	4	464 Base Model	Wheel Tractor	155 CID (2.5L) D155 International Diesel	1
414 Base Model	Cotton Picker	263 CID (4.3L) C263 International	20	464 Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	12
414 Base Model	Cotton Picker	264 CID (4.3L) BD264 International	19	464 Base Model	Wheel Tractor	179 CID (2.9L) D179 International Diesel	1
414 Base Model	Cotton Picker	282 CID (4.6L) D282 International Diesel	22	484 Base Model	Wheel Tractor	155 CID (2.5L) D155 International Diesel	1
416 Base Model	Cotton Picker	263 CID (4.3L) C263 International	20	484 Base Model	Wheel Tractor	179 CID (2.9L) D179 International Diesel	1
416 Base Model	Cotton Picker	282 CID (4.6L) D282 International Diesel	22	500 Base Model	Crawler	146 CID (2.4L) C146 International	6
420 Base Model	Cotton Picker	263 CID (4.3L) C263 International	20	500 Base Model	Loader	154 CID (2.5L) BD154 International Diesel	5

INTERNATIONAL TRACTOR (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
503 Base Model	Combine	282 CID (4.6L) D282 International Diesel	22	660 Base Model	Wheel Tractor	263 CID (4.3L) C263 International	20
503 R	Combine	301 CID (4.9L) D301 International Diesel	22	660D Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	22
504 Base Model	Wheel Tractor	153 CID (2.5L) C153 International	6	664 Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	13
504D Base Model	Wheel Tractor	188 CID (3.1L) D188 International Diesel	10	666 Farmall	Wheel Tractor	291 CID (4.8L) C291 International	22
515 Base Model	Loader	358 CID (5.9L) D358 International Diesel	24	666 Base Model	Wheel Tractor	312 CID (5.1L) D312 International Diesel	25
515 Base Model	Loader	360 CID (5.9L) D360 International Diesel	25	674 Base Model	Wheel Tractor	200 CID (3.3L) C200 International	12
544 Base Model	Wheel Tractor	200 CID (3.3L) C200 International	12	674 Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	13
544 Farmall	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	13	684 Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	13
560 Base Model	Wheel Tractor	263 CID (4.3L) C263 International	20	686 Farmall	Wheel Tractor	291 CID (4.8L) C291 International	22
560 Base Model	Loader	817 CID (13.4L) DT1817C International Diesel	35	686 Base Model	Wheel Tractor	312 CID (5.1L) D312 International Diesel	25
560D Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	22	706 Farmall	Wheel Tractor	263 CID (4.3L) C263 International	20
560DHC Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	22	706 Farmall	Wheel Tractor	291 CID (4.8L) C291 International	22
560HC Base Model	Wheel Tractor	263 CID (4.3L) C263 International	20	706 Base Model	Wheel Tractor	310 CID (5.1L) D310 International Diesel	24
574 Base Model	Wheel Tractor	200 CID (3.3L) C200 International	12	706D Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	22
574 Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	13	715 Base Model	Combine	301 CID (4.9L) D301 International Diesel	22
584 Base Model	Wheel Tractor	206 CID (3.4L) D206 International	13	715 Base Model	Combine	310 CID (5.1L) D310 International Diesel	24
600D Base Model	Wheel Tractor	350 CID (5.7L) D350 International Diesel	17	724 Base Model	Wheel Tractor	206 CID (3.4L) D206 International	13
606 Base Model	Wheel Tractor	221 CID (3.6L) C221 International	20	756 Farmall	Wheel Tractor	291 CID (4.8L) C291 International	22
606D Base Model	Wheel Tractor	236 CID (3.9L) D236 International Diesel	22	756 Base Model	Wheel Tractor	310 CID (5.1L) D310 International Diesel	24
615 Base Model	Combine	263 CID (4.3L) C263 International	20	766 Base Model	Wheel Tractor	291 CID (4.8L) C291 International	22
615 Base Model	Combine	282 CID (4.6L) D282 International Diesel	22	766 Base Model	Wheel Tractor	360 CID (5.9L) D360 International Diesel	25
616 Base Model	Cotton Picker	291 CID (4.8L) C291 International	22	770 Hi-Clear	Wheel Tractor	146 CID (2.4L) C146 International	6
616 Hydro	Cotton Picker	301 CID (4.9L) C301 International	20	780 Hi-Clear	Wheel Tractor	146 CID (2.4L) C146 International	6
616 Base Model	Cotton Picker	310 CID (5.1L) D310 International Diesel	24	782 Base Model	Cotton Picker	310 CID (5.1L) D310 International Diesel	24
622 Base Model	Cotton Picker	291 CID (4.8L) C291 International	22	782 Base Model	Cotton Picker	358 CID (5.9L) D358 International Diesel	24
622 Hydro	Cotton Picker	301 CID (4.9L) C301 International	20	786 Base Model	Wheel Tractor	358 CID (5.9L) D358 International Diesel	24
622 Base Model	Cotton Picker	310 CID (5.1L) D310 International Diesel	24	806 Base Model	Wheel Tractor	291 CID (4.8L) C291 International	22
624 Base Model	Wheel Tractor	206 CID (3.4L) D206 International	13	806 Base Model	Wheel Tractor	301 CID (4.9L) C301 International	20
633 Base Model	Wheel Tractor	155 CID (2.5L) D155 International Diesel	1	806 D	Wheel Tractor	361 CID (5.9L) D361 International Diesel	27
633 Base Model	Wheel Tractor	179 CID (2.9L) D179 International Diesel	1	815 Base Model	Combine	407 CID (6.7L) DT407 International Diesel	27
640 Base Model	Loader	358 CID (5.9L) D358 International Diesel	24	815 Base Model	Combine	414 CID (6.8L) D414 International Diesel	29
650D Base Model	Wheel Tractor	350 CID (5.7L) D350 International Diesel	17	824 Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	13
656 Base Model	Wheel Tractor	263 CID (4.3L) C263 International	20	826 Farmall	Wheel Tractor	301 CID (4.9L) C301 International	20
656D Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	22	826 Base Model	Wheel Tractor	358 CID (5.9L) D358 International Diesel	24
660 Base Model	Wheel Tractor	146 CID (2.4L) C146 International	6	856 Base Model	Wheel Tractor	301 CID (4.9L) C301 International	20

INTERNATIONAL TRACTOR (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
856 Farmall	Wheel Tractor	407 CID (6.7L) DT407 International Diesel	27	2405 B	Wheel Tractor	200 CID (3.3L) C200 International	12
880 Hi-Clear	Wheel Tractor	146 CID (2.4L) C146 International	6	2410B Base Model	Wheel Tractor	157 CID (2.6L) C157 International	8
886 Base Model	Wheel Tractor	358 CID (5.9L) D358 International Diesel	24	2410B Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	12
886 Base Model	Wheel Tractor	360 CID (5.9L) D360 International Diesel	25	2410B Base Model	Wheel Tractor	179 CID (2.9L) D179 International Diesel	1
915 Base Model	Combine	407 CID (6.7L) UDT407 International	27	2412B Base Model	Wheel Tractor	157 CID (2.6L) C157 International	8
915 Base Model	Combine	414 CID (6.8L) DT414 International Diesel	29	2412B Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	12
966 Base Model	Wheel Tractor	414 CID (6.8L) D414 International Diesel	29	2412B Base Model	Wheel Tractor	179 CID (2.9L) D179 International Diesel	1
986 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	29	2424 Lo-Boy Base Model	Wheel Tractor	146 CID (2.4L) C146 International	6
1026D Farmall / International Base Model	Wheel Tractor	407 CID (6.7L) UDT407 International	27	2424D Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	5
1066 Base Model	Wheel Tractor	414 CID (6.8L) DT414 International Diesel	29	2444 Lo-Boy Base Model	Wheel Tractor	153 CID (2.5L) C153 International	6
1086 Base Model	Wheel Tractor	414 CID (6.8L) DT414B International Diesel	29	2444D Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	5
1206D Base Model	Wheel Tractor	361 CID (5.9L) DT361 International Diesel	27	2500 D	Loader	188 CID (3.1L) D188 International Diesel	10
1256 Farmall / International Base Model	Wheel Tractor	407 CID (6.7L) UDT407 International	27	2500 A/B Hydro Base Model	Wheel Tractor	200 CID (3.3L) C200 International	12
1300 Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	12	2500 A/B Hydro Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	13
1350 Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	12	2500 A/B Lo-Boy Base Model	Wheel Tractor	153 CID (2.5L) C153 International	6
1400 Base Model	Cotton Picker	358 CID (5.9L) D358 International Diesel	24	2500 A/B Lo-Boy Base Model	Wheel Tractor	200 CID (3.3L) C200 International	12
1420 Base Model	Combine	358 CID (5.9L) D358 International Diesel	24	2500 A/B Lo-Boy Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	13
1440 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	29	2500B B	Loader	200 CID (3.3L) C200 International	12
1456 Base Model	Wheel Tractor	407 CID (6.7L) UDT407 International	27	2500B Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	13
1460 Base Model	Combine	436 CID (7.1L) DT436B International Diesel	29	2504 Base Model	Wheel Tractor	153 CID (2.5L) C153 International	6
1466 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	29	2504D Base Model	Wheel Tractor	188 CID (3.1L) D188 International Diesel	10
1470 Base Model	Combine	466 CID (7.6L) DT466C International Diesel	31	2510 Base Model	Wheel Tractor	239 CID (3.9L) D239 International Diesel	13
1480 Base Model	Combine	436 CID (7.1L) DT436B International Diesel	29	2510B Base Model	Wheel Tractor	200 CID (3.3L) C200 International	12
1480 Base Model	Combine	466 CID (7.6L) DT466C International Diesel	31	2510B Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	13
1486 Base Model	Wheel Tractor	436 CID (7.1L) DT436B International Diesel	29	2514B Base Model	Wheel Tractor	200 CID (3.3L) C200 International	12
1566 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	29	2514B Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	13
1586 Base Model	Wheel Tractor	436 CID (7.1L) DT436B International Diesel	29	2544 Base Model	Wheel Tractor	200 CID (3.3L) C200 International	12
2400 B	Loader	157 CID (2.6L) C157 International	8	2544 Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	13
2400 B	Loader	175 CID (2.9L) C175 (Late) International	12	2544 Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	22
2400 Base Model	Wheel Tractor	179 CID (2.9L) D179 International Diesel	1	2606 Base Model	Wheel Tractor	221 CID (3.6L) C221 International	20
2400 A/B Hydro Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	12	2606 Base Model	Wheel Tractor	301 CID (4.9L) C301 International	20
2400 A/B Lo-Boy Base Model	Wheel Tractor	157 CID (2.6L) C157 International	8	2606D Base Model	Wheel Tractor	236 CID (3.9L) D236 International Diesel	22
2404 Base Model	Wheel Tractor	135 CID (2.2L) C135 International	4	2656 Base Model	Wheel Tractor	263 CID (4.3L) C263 International	20
2405 B	Wheel Tractor	157 CID (2.6L) C157 International	8	2656D Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	22
2405 B	Wheel Tractor	175 CID (2.9L) C175 (Late) International	12	2706 Base Model	Wheel Tractor	263 CID (4.3L) C263 International	20

INTERNATIONAL TRACTOR (Cont.)

MODEL DATA (Cont.)							
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
2706 Base Model	Wheel Tractor	291 CID (4.8L) C291 International	22	3600A Base Model	Loader	282 CID (4.6L) D282 International Diesel	22
2706 Base Model	Wheel Tractor	310 CID (5.1L) D310 International Diesel	24	3600D Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	22
2706D Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	22	3616 Base Model	Loader	221 CID (3.6L) C221 International	20
2756 Base Model	Wheel Tractor	291 CID (4.8L) C291 International	22	3616 Base Model	Loader	236 CID (3.9L) D236 International Diesel	22
2756 Base Model	Wheel Tractor	310 CID (5.1L) D310 International Diesel	24	3616D Base Model	Wheel Tractor	236 CID (3.9L) D236 International Diesel	22
2806 Base Model	Wheel Tractor	291 CID (4.8L) C291 International	22	3688 Base Model	Wheel Tractor	436 CID (7.1L) DT436B International Diesel	29
2806 Base Model	Wheel Tractor	301 CID (4.9L) C301 International	20	3788 Base Model	Wheel Tractor	466 CID (7.6L) DT466B International Diesel	29
2806 Base Model	Wheel Tractor	361 CID (5.9L) D361 International Diesel	27	3800 Base Model	Wheel Tractor	263 CID (4.3L) C263 International	20
2826 Base Model	Wheel Tractor	301 CID (4.9L) C301 International	20	3800 Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	22
2826 Base Model	Wheel Tractor	358 CID (5.9L) D358 International Diesel	24	3800D Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	22
2856 Base Model	Wheel Tractor	301 CID (4.9L) C301 International	20	3820 Base Model	Wheel Tractor	310 CID (5.1L) D310 International Diesel	24
2856 Base Model	Wheel Tractor	407 CID (6.7L) DT407 International Diesel	27	3850 Base Model	Wheel Tractor	263 CID (4.3L) C263 International	20
3088 Base Model	Wheel Tractor	358 CID (5.9L) D358 International Diesel	24	3850 Base Model	Loader	282 CID (4.6L) D282 International Diesel	22
3288 Base Model	Wheel Tractor	358 CID (5.9L) D358 International Diesel	24	3850D Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	22
3388 Base Model	Wheel Tractor	436 CID (7.1L) DT436B International Diesel	29	3964B Base Model	Loader	358 CID (5.9L) D358 International Diesel	24
3400 A	Loader	175 CID (2.9L) C175 (Late) International	12	3965B Base Model	Loader	358 CID (5.9L) D358 International Diesel	24
3400 Base Model	Wheel Tractor	179 CID (2.9L) D179 International Diesel	1	3966B Base Model	Loader	358 CID (5.9L) D358 International Diesel	24
3414 Base Model	Loader	144 CID (2.4L) BC144 International Diesel	5	3984 Base Model	Loader	358 CID (5.9L) D358 International Diesel	24
3414 Base Model	Loader	154 CID (2.5L) BD154 International Diesel	5	4000 Base Model	Fork Lift	153 CID (2.5L) C153 International	6
3444 Base Model	Loader	144 CID (2.4L) BC144 International Diesel	5	4100 Base Model	Wheel Tractor	429 CID (7.0L) DT429 International Diesel	30
3444 Base Model	Loader	154 CID (2.5L) BD154 International Diesel	5	4100 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	29
3488 Hydro Base Model	Wheel Tractor	466 CID (7.6L) DT466 International Diesel	29	4156 Base Model	Wheel Tractor	429 CID (7.0L) DT429 International Diesel	30
3500 Base Model	Wheel Tractor	200 CID (3.3L) C200 International	12	4156 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	29
3500 Base Model	Wheel Tractor	239 CID (3.9L) D239 International Diesel	13	4166 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	29
3500A Base Model	Wheel Tractor	200 CID (3.3L) C200 International	12	4186 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	29
3500A Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	13	4366 Base Model	Wheel Tractor	466 CID (7.6L) DT466 International Diesel	29
3514 Base Model	Wheel Tractor	153 CID (2.5L) C153 International	6	4386 Base Model	Wheel Tractor	466 CID (7.6L) DTI466B International Diesel	29
3514 Base Model	Loader	175 CID (2.9L) C175 (Late) International	12	4500 B	Fork Lift	157 CID (2.6L) C157 International	8
3514 Base Model	Loader	188 CID (3.1L) D188 International Diesel	10	5000 Base Model	Windrower	239 CID (3.9L) DT239 International Diesel	13
3514 Base Model	Loader	239 CID (3.9L) DT239 International Diesel	13	5088 Base Model	Wheel Tractor	436 CID (7.1L) DT436B International Diesel	29
3514D Base Model	Wheel Tractor	188 CID (3.1L) D188 International Diesel	10	5288 Base Model	Wheel Tractor	466 CID (7.6L) DT466B International Diesel	29
3514D Base Model	Wheel Tractor	236 CID (3.9L) D236 International Diesel	22	5488 Base Model	Wheel Tractor	466 CID (7.6L) DTI466B International Diesel	29
3588 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	29	5500 Base Model	Windrower	239 CID (3.9L) DT239 International Diesel	13
3588 Base Model	Wheel Tractor	466 CID (7.6L) DT466B International Diesel	29	6388 Base Model	Wheel Tractor	436 CID (7.1L) DT436B International Diesel	29
3600A Base Model	Wheel Tractor	263 CID (4.3L) C263 International	20	6588 Base Model	Wheel Tractor	466 CID (7.6L) DT466B International Diesel	29

INTERNATIONAL TRACTOR (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
6788 Base Model	Wheel Tractor	466 CID (7.6L) DT466B International Diesel	29	B424 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	5
7000 Base Model	Fork Lift	144 CID (2.4L) BC144 International Diesel	5	B434 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	5
7000 Base Model	Fork Lift	154 CID (2.5L) BD154 International Diesel	5	B444 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	5
7288 Base Model	Wheel Tractor	466 CID (7.6L) DTI466C International Diesel	31	B450 Base Model	Wheel Tractor	264 CID (4.3L) BD264 International Diesel	19
7388 Base Model	Wheel Tractor	466 CID (7.6L) DT466 International Diesel	29	B500 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	5
7488 Base Model	Wheel Tractor	466 CID (7.6L) DTI466C International Diesel	31	B2424 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	5
8000 Base Model	Fork Lift	200 CID (3.3L) C200 International Diesel	12	B2444 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	5
9000 Base Model	Fork Lift	291 CID (4.8L) C291 International Diesel	22	B3414 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	5
9000 Base Model	Fork Lift	301 CID (4.9L) C301 International Diesel	20	B3444 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	5
9000 Base Model	Fork Lift	310 CID (5.1L) D310 International Diesel	24	B Base Model	Wheel Tractor	113 CID (1.9L) C113 International Diesel	3
21026 Base Model	Wheel Tractor	361 CID (5.9L) D361 International Diesel	27	BN Base Model	Wheel Tractor	113 CID (1.9L) C113 International Diesel	3
21026 Base Model	Wheel Tractor	407 CID (6.7L) DT407 International Diesel	27	C175 Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International Diesel	12
21206 Base Model	Wheel Tractor	361 CID (5.9L) DT361 International Diesel	27	C264A Base Model	Power Unit	264 CID (4.3L) SD264 International Diesel	19
21256 Base Model	Wheel Tractor	407 CID (6.7L) DT407 International Diesel	27	C Base Model	Wheel Tractor	113 CID (1.9L) C113 International Diesel	3
21456 Base Model	Wheel Tractor	407 CID (6.7L) UDT407 International Diesel	27	Cub Base Model	Wheel Tractor	60 CID (1.0L) C60 International Diesel	2
Base Model	Engine	281 CID (4.6L) D281 International Diesel	15	Cub 154 Base Model	Wheel Tractor	60 CID (1.0L) C60 International Diesel	2
Base Model	Engine	155 CID (2.5L) D155 International Diesel	1	Cub 185 Lo-Boy Base Model	Wheel Tractor	60 CID (1.0L) C60 International Diesel	2
Base Model	Engine	301 CID (4.9L) DT301 International Diesel	22	Cub Lo-Boy Base Model	Wheel Tractor	60 CID (1.0L) C60 International Diesel	2
Base Model	Engine	358 CID (5.9L) DT358 International Diesel	24	D120 C	Dozer	817 CID (13.4L) DTI817B International Diesel	35
Base Model	Engine	466 CID (7.6L) DTI466C International Diesel	31	DU132 Base Model	Power Unit	123 CID (2.0L) C123 International Diesel	3
Base Model	Engine	691 CID (11.3L) DT691 International Diesel	33	DU132D Base Model	Power Unit	123 CID (2.0L) C123 International Diesel	3
Base Model	Engine	743 CID (12.2L) NH600 Cummins Diesel	34	E200 Base Model	Scraper	361 CID (5.9L) DT361 International Diesel	27
Base Model	Engine	798 CID (13.1L) V800 International Diesel	38	E200 Base Model	Scraper	407 CID (6.7L) DT407 International Diesel	27
A Base Model	Wheel Tractor	113 CID (1.9L) C113 International Diesel	3	E200 Base Model	Scraper	414 CID (6.8L) DT414 International Diesel	29
AI Base Model	Wheel Tractor	113 CID (1.9L) C113 International Diesel	3	E211 Base Model	Scraper	407 CID (6.7L) DT407 International Diesel	27
AL Base Model	Wheel Tractor	113 CID (1.9L) C113 International Diesel	3	E270 Base Model	Scraper	573 CID (9.4L) DVTI573B International Diesel	38
AV Base Model	Wheel Tractor	113 CID (1.9L) C113 International Diesel	3	E295 Base Model	Scraper	817 CID (13.4L) DTI817B International Diesel	35
B238 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	5	E412 Base Model	Scraper	466 CID (7.6L) DT466 International Diesel	29
B275 Base Model	Wheel Tractor	144 CID (2.4L) BD144 International Diesel	5	E433 Base Model	Scraper	436 CID (7.1L) DT436 International Diesel	29
B275 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	5	E433 Base Model	Scraper	466 CID (7.6L) DT466 International Diesel	29
B354 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	5	F12 Base Model	Wheel Tractor	113 CID (1.9L) C113 International Diesel	3
B364 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	5	F14 Base Model	Wheel Tractor	113 CID (1.9L) C113 International Diesel	3
B384 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	5	F300 Base Model	Wheel Tractor	169 CID (2.8L) C169 International Diesel	11
B414 Base Model	Wheel Tractor	144 CID (2.4L) BC144 International Diesel	5	F350 Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International Diesel	12
B414 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	5	F350HS Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International Diesel	12

INTERNATIONAL TRACTOR (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
F450 DHC	Wheel Tractor	281 CID (4.6L) D281 International Diesel	15	Hydro 86 Base Model	Wheel Tractor	291 CID (4.8L) C291 International	22
F460 Base Model	Wheel Tractor	221 CID (3.6L) C221 International	20	Hydro 86 Base Model	Wheel Tractor	310 CID (5.1L) D310 International Diesel	24
F460D Base Model	Wheel Tractor	236 CID (3.9L) D236 International Diesel	22	Hydro 86 Base Model	Wheel Tractor	312 CID (5.1L) D312 International Diesel	25
F560 Base Model	Wheel Tractor	263 CID (4.3L) C263 International	20	Hydro 100 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	29
F560 Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	22	Hydro 186 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	29
F560D Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	22	I12 Base Model	Wheel Tractor	113 CID (1.9L) C113 International	3
H25 B	Loader	188 CID (3.1L) D188 International Diesel	10	I14 Base Model	Wheel Tractor	113 CID (1.9L) C113 International	3
H30A Base Model	Loader	236 CID (3.9L) D236 International Diesel	22	I300 Base Model	Wheel Tractor	175 CID (2.9L) C175 (Early) International	11
H30B Base Model	Loader	236 CID (3.9L) D236 International Diesel	22	I350 Base Model	Wheel Tractor	175 CID (2.9L) C175 (Early) International	11
H30B Base Model	Loader	263 CID (4.3L) C263 International	20	I544 RC	Wheel Tractor	200 CID (3.3L) C200 International	12
H30F Base Model	Loader	153 CID (2.5L) C153 International	6	I656 Base Model	Wheel Tractor	236 CID (3.9L) D236 International Diesel	22
H30F Base Model	Loader	236 CID (3.9L) D236 International Diesel	22	I656 RC	Wheel Tractor	282 CID (4.6L) C282 International	22
H30R Base Model	Loader	153 CID (2.5L) C153 International	6	I-4 Base Model	Wheel Tractor	152 CID (2.5L) C152 International	7
H30R Base Model	Loader	236 CID (3.9L) D236 International Diesel	22	I-6 Base Model	Wheel Tractor	248 CID (4.1L) C248 International	14
H50A Base Model	Loader	282 CID (4.6L) D282 International Diesel	22	I-6 Base Model	Wheel Tractor	264 CID (4.3L) C264 International	16
H50A Base Model	Loader	301 CID (4.9L) C301 International	20	I-9 Base Model	Wheel Tractor	60 CID (1.0L) C60 International	2
H50B Base Model	Loader	282 CID (4.6L) D282 International Diesel	22	ID6 Base Model	Wheel Tractor	248 CID (4.1L) D248 International Diesel	15
H50B Base Model	Loader	301 CID (4.9L) C301 International	20	ID9 Base Model	Wheel Tractor	335 CID (5.5L) D335 International Diesel	17
H50C Base Model	Loader	282 CID (4.6L) D282 International Diesel	22	IU4 Base Model	Power Unit	152 CID (2.5L) C152 International	7
H60B Base Model	Loader	301 CID (4.9L) D301 International Diesel	22	IU6 Base Model	Power Unit	248 CID (4.1L) C248 International	14
H60B Base Model	Loader	361 CID (5.9L) DT361 International Diesel	27	IUD6 Base Model	Power Unit	248 CID (4.1L) C248 International	14
H65C Base Model	Loader	361 CID (5.9L) DT361 International Diesel	27	IUD6 Base Model	Power Unit	264 CID (4.3L) D264 International Diesel	15
H65C Base Model	Loader	407 CID (6.7L) DT407 International Diesel	27	International Base Model	Wheel Tractor	60 CID (1.0L) C60 International	2
H65C Base Model	Loader	414 CID (6.8L) DT414 International Diesel	29	L150 Base Model	Loader	282 CID (4.6L) DT282 International Diesel	22
H70F Base Model	Loader	429 CID (7.0L) DT429 International Diesel	30	L175 Base Model	Loader	361 CID (5.9L) DT361 International Diesel	27
H80B Base Model	Loader	466 CID (7.6L) DT466 International Diesel	29	L175B Base Model	Loader	361 CID (5.9L) DT361 International Diesel	27
H90C Base Model	Loader	573 CID (9.4L) DVT573B International Diesel	38	L175B Base Model	Loader	407 CID (6.7L) DT407 International Diesel	27
H90E Base Model	Loader	573 CID (9.4L) DVTI573B International Diesel	38	L175C Base Model	Loader	466 CID (7.6L) DT466 International Diesel	29
H100C Base Model	Loader	817 CID (13.4L) DTI817B International Diesel	35	Lo-Boy 154 Base Model	Wheel Tractor	60 CID (1.0L) C60 International	2
H120C Base Model	Loader	817 CID (13.4L) DTI817B International Diesel	35	Lo-Boy 185 Base Model	Wheel Tractor	60 CID (1.0L) C60 International	2
H560 Base Model	Loader	817 CID (13.4L) DTI817B International Diesel	35	Lo-Boy 404 Base Model	Wheel Tractor	135 CID (2.2L) C135 International	4
H Base Model	Wheel Tractor	152 CID (2.5L) C152 International	7	M Base Model	Wheel Tractor	248 CID (4.1L) C248 International	14
HV Base Model	Wheel Tractor	152 CID (2.5L) C152 International	7	MD Base Model	Wheel Tractor	248 CID (4.1L) D248 International Diesel	15
Hydro 70 Base Model	Wheel Tractor	291 CID (4.8L) C291 International	22	MDV Base Model	Wheel Tractor	248 CID (4.1L) D248 International Diesel	15
Hydro 70 Base Model	Wheel Tractor	312 CID (5.1L) D312 International Diesel	25	MV Base Model	Wheel Tractor	248 CID (4.1L) C248 International	14

INTERNATIONAL TRACTOR (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
O4 Base Model	Wheel Tractor	152 CID (2.5L) C152 International	7	Super MD Base Model	Wheel Tractor	264 CID (4.3L) D264 International Diesel	15
O6 Base Model	Wheel Tractor	248 CID (4.1L) C248 International	14	Super MDV Base Model	Wheel Tractor	264 CID (4.3L) D264 International Diesel	15
O6 Base Model	Wheel Tractor	264 CID (4.3L) C264 International	16	Super MTA Base Model	Wheel Tractor	264 CID (4.3L) D264 International Diesel	15
O12 Base Model	Wheel Tractor	113 CID (1.9L) C113 International	3	Super MV Base Model	Wheel Tractor	264 CID (4.3L) C264 International	16
O14 Base Model	Wheel Tractor	113 CID (1.9L) C113 International	3	Super W4 Base Model	Wheel Tractor	164 CID (2.7L) C164 International	9
OD9 Base Model	Wheel Tractor	335 CID (5.5L) D335 International Diesel	17	Super W6 Base Model	Wheel Tractor	264 CID (4.3L) C264 International	16
ODS6 Base Model	Wheel Tractor	248 CID (4.1L) D248 International Diesel	15	Super WD6 Base Model	Wheel Tractor	264 CID (4.3L) D264 International Diesel	15
OS4 Base Model	Wheel Tractor	152 CID (2.5L) C152 International	7	Super WD9 Base Model	Wheel Tractor	350 CID (5.7L) D350 International Diesel	17
OS6 Base Model	Wheel Tractor	248 CID (4.1L) C248 International	14	Super WDR9 Base Model	Wheel Tractor	350 CID (5.7L) D350 International Diesel	17
OS6 Base Model	Wheel Tractor	264 CID (4.3L) C264 International	16	T4 Base Model	Crawler	123 CID (2.0L) C123 International	3
P12 Base Model	Power Unit	113 CID (1.9L) C113 International	3	T5 Base Model	Crawler	135 CID (2.2L) C135 International	4
PA100 Base Model	Power Unit	461 CID (7.6L) D461 International Diesel	18	T6 Base Model	Crawler	221 CID (3.6L) C221 International	20
PB100B Base Model	Hauler	817 CID (13.4L) DT1817B International Diesel	35	T6 Base Model	Crawler	248 CID (4.1L) C248 International	14
PD40 Base Model	Power Unit	461 CID (7.6L) D461 International Diesel	18	T6 62 Series	Crawler	263 CID (4.3L) C263 International	20
PD80 Base Model	Power Unit	691 CID (11.3L) D691 International Diesel	33	T6 Base Model	Wheel Tractor	264 CID (4.3L) C264 International	16
PH65C Base Model	Loader	573 CID (9.4L) DVT1573B International Diesel	38	T6 61 Series	Crawler	281 CID (4.6L) D281 International Diesel	15
PH95 Base Model	Hauler	817 CID (13.4L) DT817 International Diesel	35	T7 Base Model	Crawler	175 CID (2.9L) C175 (Late) International	12
PH100 Base Model	Hauler	817 CID (13.4L) DT817 International Diesel	35	T340 A	Crawler	135 CID (2.2L) C135 International	4
PH140 Base Model	Hauler	817 CID (13.4L) DT1817B International Diesel	35	TC5 Base Model	Crawler	135 CID (2.2L) C135 International	4
PK40 Base Model	Power Unit	360 CID (5.9L) D360 International Diesel	25	TD6 61 Series	Crawler	248 CID (4.1L) D248 International Diesel	15
PK50 Base Model	Power Unit	360 CID (5.9L) D360 International Diesel	25	TD6 61 Series	Crawler	264 CID (4.3L) D264 International Diesel	15
S11 A	Logger	407 CID (6.7L) DT407 International Diesel	27	TD6 62 Series	Crawler	281 CID (4.6L) D281 International Diesel	15
Super 4 Base Model	Wheel Tractor	164 CID (2.7L) C164 International	9	TD6 62 Series	Crawler	282 CID (4.6L) D282 International Diesel	22
Super A Base Model	Wheel Tractor	113 CID (1.9L) C113 International	3	TD7 Base Model	Crawler	239 CID (3.9L) DT239 International Diesel	13
Super A Base Model	Wheel Tractor	123 CID (2.0L) C123 International	3	TD8 Base Model	Crawler	239 CID (3.9L) DT239 International Diesel	13
Super AI Base Model	Wheel Tractor	113 CID (1.9L) C113 International	3	TD9 B	Crawler	282 CID (4.6L) DT282 International Diesel	22
Super AI Base Model	Wheel Tractor	123 CID (2.0L) C123 International	3	TD9 Base Model	Crawler	335 CID (5.5L) D335 International Diesel	17
Super AV Base Model	Wheel Tractor	113 CID (1.9L) C113 International	3	TD9 91 Series	Crawler	350 CID (5.7L) D350 International Diesel	17
Super AV Base Model	Wheel Tractor	123 CID (2.0L) C123 International	3	TD14 Base Model	Crawler	461 CID (7.6L) D461 International Diesel	18
Super AVI Base Model	Wheel Tractor	113 CID (1.9L) C113 International	3	TD14A Base Model	Crawler	461 CID (7.6L) D461 International Diesel	18
Super AVI Base Model	Wheel Tractor	123 CID (2.0L) C123 International	3	TD15 Base Model	Crawler	554 CID (9.1L) D554 International Diesel	32
Super C Base Model	Wheel Tractor	123 CID (2.0L) C123 International	3	TD15B Base Model	Crawler	361 CID (5.9L) DT361 International Diesel	27
Super H Base Model	Wheel Tractor	164 CID (2.7L) C164 International	9	TD15B Base Model	Crawler	407 CID (6.7L) DT407 International Diesel	27
Super HV Base Model	Wheel Tractor	164 CID (2.7L) C164 International	9	TD15C Base Model	Crawler	466 CID (7.6L) DT466 International Diesel	29
Super M Base Model	Wheel Tractor	264 CID (4.3L) C264 International	16	TD18A Base Model	Crawler	691 CID (11.3L) D691 International Diesel	33

INTERNATIONAL TRACTOR (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
TD20 Base Model	Crawler	691 CID (11.3L) D691 International Diesel	33	U501 Base Model	Power Unit	501 CID (8.2L) RD501 International	28
TD20B Base Model	Crawler	429 CID (7.0L) DT429 International Diesel	30	U817 Base Model	Power Unit	817 CID (13.4L) D817 International Diesel	35
TD20C Base Model	Crawler	573 CID (9.4L) DVTI573B International Diesel	38	UB220 Base Model	Power Unit	220 CID (3.6L) BD220 International	19
TD25 Base Model	Crawler	817 CID (13.4L) DT817 International Diesel	35	UB240 Base Model	Power Unit	240 CID (3.9L) BD240 International	19
TD25B Base Model	Crawler	817 CID (13.4L) DTI817B International Diesel	35	UB264 Base Model	Power Unit	264 CID (4.3L) BD264 International	19
TD25C Base Model	Crawler	817 CID (13.4L) DTI817B International Diesel	35	UC60 Base Model	Power Unit	60 CID (1.0L) C60 International	2
TD25E Base Model	Crawler	817 CID (13.4L) DTI817C International Diesel	35	UC135 Base Model	Power Unit	135 CID (2.2L) C135 International	4
TD30 Base Model	Crawler	817 CID (13.4L) DT817 International Diesel	35	UC135B Base Model	Power Unit	135 CID (2.2L) C135 International	4
TD35 Base Model	Crawler	461 CID (7.6L) D461 International Diesel	18	UC153 Base Model	Power Unit	152 CID (2.5L) C152 International	7
TD40 Base Model	Crawler	461 CID (7.6L) D461 International Diesel	18	UC221 Base Model	Power Unit	221 CID (3.6L) C221 International	20
TD92 A	Wheel Tractor	166 CID (2.7L) D166 International Diesel	10	UC263 Base Model	Power Unit	263 CID (4.3L) C263 International	20
TD92 Base Model	Crawler	282 CID (4.6L) DT282 International Diesel	22	UC264 Base Model	Power Unit	264 CID (4.3L) C264 International	16
TD340 Base Model	Crawler	166 CID (2.7L) D166 International Diesel	10	UC301 Base Model	Power Unit	301 CID (4.9L) C301 International	20
U1 Base Model	Power Unit	60 CID (1.0L) C60 International	2	UD6 Base Model	Power Unit	248 CID (4.1L) D248 International Diesel	15
U2 Base Model	Power Unit	113 CID (1.9L) C113 International	3	UD6A Base Model	Power Unit	248 CID (4.1L) D248 International Diesel	15
U2A Base Model	Power Unit	113 CID (1.9L) C113 International	3	UD14 Base Model	Power Unit	461 CID (7.6L) D461 International Diesel	18
U4 Base Model	Power Unit	152 CID (2.5L) C152 International	7	UD14A Base Model	Power Unit	461 CID (7.6L) D461 International Diesel	18
U6 Base Model	Power Unit	248 CID (4.1L) C248 International	14	UD16 Base Model	Power Unit	502 CID (8.2L) D502 International Diesel	32
U123 Base Model	Power Unit	123 CID (2.0L) C123 International	3	UD18 Base Model	Power Unit	691 CID (11.3L) D691 International Diesel	33
U164 Base Model	Power Unit	152 CID (2.5L) C152 International	7	UD18A Base Model	Power Unit	691 CID (11.3L) D691 International Diesel	33
U164 Base Model	Power Unit	164 CID (2.7L) C164 International	9	UD40 Base Model	Power Unit	461 CID (7.6L) D461 International Diesel	18
U169 Base Model	Power Unit	169 CID (2.8L) C169 International	11	UD91 Base Model	Power Unit	350 CID (5.7L) D350 International Diesel	17
U175 Base Model	Power Unit	175 CID (2.9L) C175 (Late) International	12	UD166 Base Model	Power Unit	166 CID (2.7L) D166 International Diesel	10
U220 Base Model	Power Unit	220 CID (3.6L) BD220 International	19	UD236 Base Model	Power Unit	236 CID (3.9L) D236 International Diesel	22
U240 Base Model	Power Unit	240 CID (3.9L) BD240 International	19	UD264 Base Model	Power Unit	248 CID (4.1L) D248 International Diesel	15
U263 Base Model	Power Unit	263 CID (4.3L) C263 International	20	UD264 Base Model	Power Unit	264 CID (4.3L) D264 International Diesel	15
U264 Base Model	Power Unit	240 CID (3.9L) BD240 International	19	UD281 Base Model	Power Unit	281 CID (4.6L) D281 International Diesel	15
U264 Base Model	Power Unit	264 CID (4.3L) C264 International	16	UD281M Base Model	Power Unit	281 CID (4.6L) D281 International Diesel	15
U264 Base Model	Power Unit	264 CID (4.3L) BD264 International	19	UD282 Base Model	Power Unit	282 CID (4.6L) D282 International Diesel	22
U269 Base Model	Power Unit	269 CID (4.4L) BLD269 International	23	UD284 Base Model	Power Unit	281 CID (4.6L) D281 International Diesel	15
U281 Base Model	Power Unit	281 CID (4.6L) C281 International	16	UD301 Base Model	Power Unit	301 CID (4.9L) D301 International Diesel	22
U282 Base Model	Power Unit	282 CID (4.6L) C282 International	22	UD312 Base Model	Power Unit	312 CID (5.1L) D312 International Diesel	25
U372 Base Model	Power Unit	372 CID (6.1L) RD372 International	28	UD350 Base Model	Power Unit	350 CID (5.7L) D350 International Diesel	17
U406 Base Model	Power Unit	406 CID (6.7L) RD406 International	28	UD360 Base Model	Power Unit	360 CID (5.9L) D360 International Diesel	25
U450 Base Model	Power Unit	450 CID (7.4L) RD450 International	28	UD361 Base Model	Power Unit	361 CID (5.9L) D361 International Diesel	27

INTERNATIONAL TRACTOR (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
UD370 Base Model	Power Unit	370 CID (6.1L) D370 International Diesel	17	UR406 Base Model	Power Unit	406 CID (6.7L) RD406 International	28
UD407 Base Model	Power Unit	407 CID (6.7L) D407 International Diesel	27	UR450 Base Model	Power Unit	450 CID (7.4L) RD450 International	28
UD414 Base Model	Power Unit	414 CID (6.8L) D414 International Diesel	29	UR501 Base Model	Power Unit	501 CID (8.2L) RD501 International	28
UD429 Base Model	Power Unit	429 CID (7.0L) D429 International Diesel	30	UV345 Base Model	Power Unit	345 CID (5.6L) V345 International	36
UD461 Base Model	Power Unit	461 CID (7.6L) D461 International Diesel	18	UV401 Base Model	Power Unit	401 CID (6.6L) V401 International	37
UD466 Base Model	Power Unit	466 CID (7.6L) D466 International Diesel	29	UV461 Base Model	Power Unit	461 CID (7.6L) V461 International	37
UD525 Base Model	Power Unit	525 CID (8.6L) D525 International Diesel	32	UV549 Base Model	Power Unit	549 CID (9.0L) V549 International	37
UD554 Base Model	Power Unit	554 CID (9.1L) D554 International Diesel	32	W4 Base Model	Wheel Tractor	152 CID (2.5L) C152 International	7
UD691 Base Model	Power Unit	691 CID (11.3L) D691 International Diesel	33	W6 Base Model	Wheel Tractor	248 CID (4.1L) C248 International	14
UD817 Base Model	Power Unit	817 CID (13.4L) D817 International Diesel	35	W6 Base Model	Wheel Tractor	264 CID (4.3L) C264 International	16
UDT282 Base Model	Power Unit	282 CID (4.6L) DT282 International Diesel	22	W12 Base Model	Wheel Tractor	113 CID (1.9L) C113 International	3
UDT360 Base Model	Power Unit	360 CID (5.9L) DT360 International Diesel	26	W14 Base Model	Wheel Tractor	113 CID (1.9L) C113 International	3
UDT361 Base Model	Power Unit	361 CID (5.9L) DT361 International Diesel	27	W350 Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	12
UDT407 Base Model	Power Unit	407 CID (6.7L) DT407 International Diesel	27	W400 D	Wheel Tractor	264 CID (4.3L) D264 International Diesel	15
UDT414 Base Model	Power Unit	414 CID (6.8L) DT414 International Diesel	29	W450 D	Wheel Tractor	281 CID (4.6L) C281 International	16
UDT429 Base Model	Power Unit	429 CID (7.0L) DT429 International Diesel	30	W450D Base Model	Wheel Tractor	281 CID (4.6L) D281 International Diesel	15
UDT466 Base Model	Power Unit	466 CID (7.6L) DT466 International Diesel	29	WD6 Base Model	Wheel Tractor	248 CID (4.1L) D248 International Diesel	15
UDT573 Base Model	Power Unit	573 CID (9.4L) DT573 International Diesel	38	WD9 Base Model	Wheel Tractor	335 CID (5.5L) D335 International Diesel	17
UDT817 Base Model	Power Unit	817 CID (13.4L) DT817B International Diesel	35	WD Base Model	Wheel Tractor	248 CID (4.1L) D248 International Diesel	15
UDVT573B Base Model	Power Unit	573 CID (9.4L) DVT573B International Diesel	38	WDR9 Base Model	Wheel Tractor	335 CID (5.5L) D335 International Diesel	17
UR372 Base Model	Power Unit	372 CID (6.1L) RD372 International	28	WDR9 Base Model	Wheel Tractor	350 CID (5.7L) D350 International Diesel	17

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
25053D	6.500in./165.1mm	18	43785DDXA	4.250in./108mm	11	118701H	4.500in./114.3mm	28	251246R1	2.750in./69.9mm	2
25069H	4.000in./101.6mm	3	45750DA	5.250in./133.4mm	16	118701H	5.000in./127mm	28	251246R3	2.750in./69.9mm	2
25069H	4.250in./108mm	9	61349H	3.875in./98.4mm	10	118701H	5.250in./133.4mm	28	254924R1	6.500in./165.1mm	18
25069H	4.250in./108mm	11	61349H	3.688in./93.7mm	20	118701HA	4.125in./104.8mm	28	277103R11	6.000in./152.4mm	35
25750DA	5.250in./133.4mm	15	62930R1	4.500in./114.3mm	23	118701HA	4.500in./114.3mm	28	306280R1	4.391in./111.5mm	10
28736D	6.500in./165.1mm	18	62930R4	4.500in./114.3mm	23	118701HA	5.000in./127mm	28	306280R1	4.391in./111.5mm	22
30926D	4.000in./101.6mm	3	62930R5	4.500in./114.3mm	23	118701HA	5.250in./133.4mm	28	364912R11	4.250in./108mm	9
30926D	4.250in./108mm	9	70009R1	3.688in./93.7mm	19	133512R3	3.750in./95.3mm	37	364912R11	4.250in./108mm	11
30926D	4.250in./108mm	11	70009R1	4.016in./102mm	19	133512R3	4.313in./109.6mm	37	367406R1	4.391in./111.5mm	22
32285D	6.500in./165.1mm	18	70009R1	4.125in./104.8mm	19	133521R3	3.750in./95.3mm	37	375595R1	4.063in./103.2mm	4
42687D	6.500in./165.1mm	18	70009R2	4.016in./102mm	19	133521R3	4.313in./109.6mm	37	527457R11	2.750in./69.9mm	2
43785	4.250in./108mm	7	70009R2	4.125in./104.8mm	19	133524R3	3.750in./95.3mm	37	G-11176	4.391in./111.5mm	10
43785B	4.250in./108mm	7	116390H	4.500in./114.3mm	23	133524R3	4.313in./109.6mm	37	G-11723	4.391in./111.5mm	10
43785DDXA	4.250in./108mm	9	118701H	4.125in./104.8mm	28	215264R1	2.750in./69.9mm	2	V45	3.875in./98.4mm	10

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1A	5.085in./129.2mm	26	2MAE	5.350in./135.9mm	31	24895DD	6.500in./165.1mm	18	43734DB	4.250in./108mm	7
1A	5.350in./135.9mm	31	188A	5.085in./129.2mm	26	32288D	6.500in./165.1mm	33	43734DC	4.250in./108mm	7
1AA	5.085in./129.2mm	26	188A	5.350in./135.9mm	31	32288DB	6.500in./165.1mm	33	43734DC	4.250in./108mm	9
1AA	5.350in./135.9mm	31	202B	5.085in./129.2mm	26	32305	6.500in./165.1mm	33	43734DC	4.250in./108mm	11
2 MAE	5.085in./129.2mm	26	202B	5.350in./135.9mm	31	43734D	4.250in./108mm	7	43734DCX	4.250in./108mm	9
2 MAE	5.350in./135.9mm	31	20068R2	5.500in./139.7mm	32	43734D	4.250in./108mm	9	43734DCX	4.250in./108mm	11
2MAE	5.085in./129.2mm	26	24895D	6.500in./165.1mm	18	43734D	4.250in./108mm	11	43734DD	4.250in./108mm	7

INTERNATIONAL TRACTOR (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
43734DEX	4.250in./108mm	9	45571FDX	5.250in./133.4mm	16	133440R3	3.750in./95.3mm	37	315712R3	4.391in./111.5mm	22
43734DEX	4.250in./108mm	11	45572	5.250in./133.4mm	14	133441R1	4.313in./109.6mm	37	318175R11	6.500in./165.1mm	33
43734DF	4.250in./108mm	9	45572	5.250in./133.4mm	16	133441R3	4.313in./109.6mm	37	318264R1	3.875in./98.4mm	10
43734DF	4.250in./108mm	11	46402D	4.000in./101.6mm	3	133894R1	4.313in./109.6mm	37	320185R1	4.391in./111.5mm	20
43734DFY	4.250in./108mm	9	46923D	5.250in./133.4mm	15	133894R3	4.313in./109.6mm	37	320185R1	4.391in./111.5mm	22
43734DFY	4.250in./108mm	11	52010D	5.250in./133.4mm	15	133894R4	4.313in./109.6mm	37	323882R11	4.391in./111.5mm	20
43734DG	4.250in./108mm	9	52010DA	5.250in./133.4mm	15	141779R1	4.125in./104.8mm	19	323882R11	4.391in./111.5mm	22
43734DG	4.250in./108mm	11	53401D	6.500in./165.1mm	18	141780R1	4.125in./104.8mm	19	351264R1	2.750in./69.9mm	2
43734DHX	4.250in./108mm	9	53401DC	6.500in./165.1mm	18	166088R1	4.125in./104.8mm	19	356308R1	4.000in./101.6mm	3
43734DHX	4.250in./108mm	11	54401DC	6.500in./165.1mm	18	242880R91	3.750in./95.3mm	37	357247R1	2.750in./69.9mm	2
43739	4.250in./108mm	9	54401DCX	6.500in./165.1mm	18	242881R91	3.750in./95.3mm	37	365308R1	4.000in./101.6mm	3
43739	4.250in./108mm	11	55205	5.250in./133.4mm	15	242882R91	4.313in./109.6mm	37	367266R1	3.688in./93.7mm	20
44571DB	5.250in./133.4mm	14	60889HC	4.250in./108mm	7	251264R1	2.750in./69.9mm	2	367266R1	3.688in./93.7mm	22
44571DB	5.250in./133.4mm	16	61265R1	5.250in./133.4mm	15	252576R1	5.500in./139.7mm	32	367267R1	4.391in./111.5mm	20
44571DE	5.250in./133.4mm	14	70115R1	3.688in./93.7mm	19	252576R2	5.500in./139.7mm	32	367267R1	4.391in./111.5mm	22
44571DE	5.250in./133.4mm	16	70115R3	3.688in./93.7mm	19	260068R1	5.500in./139.7mm	32	367747R1	4.063in./103.2mm	6
44571DEX	5.250in./133.4mm	14	70118R1	3.688in./93.7mm	19	260068R2	5.500in./139.7mm	32	367747R1	4.250in./108mm	6
44571DEX	5.250in./133.4mm	16	70118R1	4.016in./102mm	19	260693R1	5.500in./139.7mm	17	367747R1	4.063in./103.2mm	4
44572	5.250in./133.4mm	14	82856	4.313in./109.6mm	37	260693R2	5.500in./139.7mm	17	368711R1	4.000in./101.6mm	3
44572	5.250in./133.4mm	16	83917R1	4.125in./104.8mm	28	260693R3	5.500in./139.7mm	17	375601R11	3.875in./98.4mm	10
45571DB	5.250in./133.4mm	14	83917R2	4.125in./104.8mm	28	260749R1	5.500in./139.7mm	17	378684R21	6.500in./165.1mm	18
45571DB	5.250in./133.4mm	16	83917R3	4.125in./104.8mm	28	260749R2	5.500in./139.7mm	17	378685R11	6.500in./165.1mm	18
45571DC	5.250in./133.4mm	14	93917R1	4.125in./104.8mm	28	261265R1	5.250in./133.4mm	15	378686R21	6.500in./165.1mm	18
45571DC	5.250in./133.4mm	16	93917R3	4.125in./104.8mm	28	261265R41	5.250in./133.4mm	16	837719R1	4.125in./104.8mm	28
45571DCX	5.250in./133.4mm	14	116447H	4.500in./114.3mm	23	263126R1	6.500in./165.1mm	33	852856	4.313in./109.6mm	37
45571DCX	5.250in./133.4mm	16	118528H	4.500in./114.3mm	28	263126R2	6.500in./165.1mm	33	1805420C1	5.085in./129.2mm	26
45571DD	5.250in./133.4mm	14	118530H	5.000in./127mm	28	267267R1	4.391in./111.5mm	20	1805420C1	5.350in./135.9mm	31
45571DD	5.250in./133.4mm	16	118530H	3.750in./95.3mm	37	267267R1	4.391in./111.5mm	22	1809954C1	5.085in./129.2mm	26
45571DDX	5.250in./133.4mm	14	118530R1	4.313in./109.6mm	37	275606R1	5.500in./139.7mm	17	1809954C1	5.350in./135.9mm	31
45571DDX	5.250in./133.4mm	16	123441R3	4.313in./109.6mm	37	275708R92	5.500in./139.7mm	17	1812320C91	5.085in./129.2mm	26
45571DE	5.250in./133.4mm	14	125932R1	4.500in./114.3mm	23	277100R11	6.000in./152.4mm	35	1812320C91	5.350in./135.9mm	31
45571DE	5.250in./133.4mm	16	129532R1	4.500in./114.3mm	23	289878C91	3.750in./95.3mm	37	1816975C1	5.085in./129.2mm	26
45571DEX	5.250in./133.4mm	14	131440R3	3.750in./95.3mm	37	296733C91	4.313in./109.6mm	37	1816975C1	5.350in./135.9mm	31
45571DEX	5.250in./133.4mm	16	131850R1	5.250in./133.4mm	28	308397R31	3.875in./98.4mm	10	A-39151	4.391in./111.5mm	10
45571FDX	5.250in./133.4mm	14	133440R1	3.750in./95.3mm	37	315712R3	4.391in./111.5mm	20	G-11741	4.391in./111.5mm	10

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

3 CYL

1	155 CID (2.5L) D155 International Diesel 3 Cyl			3.875in./98.4mm x 4.375in./111.1mm				1					
	179 CID (2.9L) D179 International Diesel 3 Cyl			3.875in./98.4mm x 5.063in./128.6mm									
Rod Bearing(3)	TM-112	CB-1044P	STD.,.25mm.,.50mm.,.75mm	2.5185/2.5193	0.0024/0.0046	0.0778	2.6771/2.6779	1.2640					
NOTE: Thru 2/75,Locating Lug On Right Side													
Rod Bearing(3)	TM-112	CB-1193P	STD.,.25mm.,.50mm.,.75mm	2.5185/2.5193	0.0024/0.0046	0.0778	2.6771/2.6779	1.1810					
NOTE: From 2/75,Locating Lug On Left Side													
Main Bearing Set	TM-112	MS-1197P	STD.,.25mm.,.50mm	3.1485/3.1492	0.0026/0.0052	0.1170	3.3858/3.3867	1.0160					
1-2-3		MB-741P											
4		MB-742P(F)											
NOTE: .25mm Undersize Set Contains .25mm Oversize Length Flanged Bearing,.50mm Undersize Set Contains .50mm Oversize Length Flanged Bearing													
Connecting Rod	18-1/2 Lbs.Ft. Plus 120 Degrees												

4 CYL

2	60 CID (1.0L) C60 International 4 Cyl				2.625in./66.7mm x 2.750in./69.9mm				2
Rod Bearing(4)	TM-77	CB-310P	STD,2,10,20,30	1.4980/1.4990	0.0014/0.0035	0.0623	1.6245/1.6250	0.7610	
NOTE: Requires Rod No. 251246R3									
Rod Bearing(4)	TM-112	CB-998P	STD,10,20,30	1.4980/1.4990	0.0014/0.0039	0.0623	1.6245/1.6250	0.6610	
NOTE: Connecting Rod Forging Number 527457R11									
Main Bearing Set	TM-77	MS-306P	STD,10	1.6230/1.6240	0.0007/0.0033	0.0758	1.7760/1.7770	1.0620	
1-3		MB-1211P							
2		MB-1212P(F)							
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing									
Piston Pin Bushing(4)	C-1	223-3466	STD			0.0410	0.7550/0.7580	0.8850	
NOTE: Requires Boring									

INTERNATIONAL TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
2 (Cont.)	60 CID (1.0L) C60 International 4 Cyl			2.625in./66.7mm x 2.750in./69.9mm				2 (Cont.)
Rod Forging	215264R1, 251246R1, 251246R3, 527457R11							
C/S Forging	251264R1, 351264R1, 357247R1							
Connecting Rod	16 To 20 Lbs.Ft.							
Main Bearing	55 To 60 Lbs.Ft.							
3	113 CID (1.9L) C113 International 4 Cyl			3.000in./76.2mm x 4.000in./101.6mm				3
	123 CID (2.0L) C123 International 4 Cyl			3.125in./79.4mm x 4.000in./101.6mm				
Rod Bearing(4)	TM-112	CB-386P	STD,2,10,20,30	1.7490/1.7500	0.0014/0.0039	0.0623	1.8755/1.8760	1.0550
Main Bearing Set	TM-112	MS-459P	STD,10,20,30					
1-2		MB-1648P		2.1240/2.1250	0.0012/0.0042	0.0853	2.2965/2.2975	1.3750
3		MB-1649P(F)		2.1240/2.1250	0.0012/0.0042	0.0853	2.2965/2.2975	1.8390
NOTE: Contains .010" Oversize Length Flanged Bearing								
Piston Pin	C-1	223-3477	STD			0.0405	0.9861/0.9886	1.2290
Bushing(4)								
NOTE: From Engine Serial Number 103,615, Requires Boring								
Rod Forging	25069H, 30926D							
C/S Forging	46402D, 356308R1, 365308R1, 368711R1							
Connecting Rod	43 To 49 Lbs.Ft.							
Main Bearing	75 To 80 Lbs.Ft.							
4	135 CID (2.2L) C135 International 4 Cyl			3.250in./82.6mm x 4.063in./103.2mm				4
Rod Bearing(4)	TM-112	CB-533P	STD,10,20,30	2.0590/2.0600	0.0014/0.0039	0.0628	2.1865/2.1870	1.0670
NOTE: From Serial Number 100501								
Rod Bearing(4)	TM-112	CB-556P	STD,10,20	1.8090/1.8100	0.0014/0.0044	0.0628	1.9365/1.9375	1.0050
NOTE: Thru Engine Serial Number 100500								
Main Bearing Set	TM-112	MS-505P	STD,10					
1-2		MB-1929P		2.2440/2.2450	0.0012/0.0042	0.0953	2.4365/2.4375	1.3170
3		MB-1930P(F)		2.2440/2.2450	0.0012/0.0042	0.0953	2.4365/2.4375	1.6260
NOTE: Thru Engine Serial Number 100500								
Main Bearing Set	TM-112	MS-665P	STD,10,20					
1-2		MB-2213P		2.6235/2.6245	0.0012/0.0042	0.0953	2.8160/2.8170	1.2550
3		MB-2214P(F)		2.6235/2.6245	0.0012/0.0042	0.0953	2.8160/2.8170	1.6260
NOTE: From Serial Number 100501								
Rod Forging	375595R1							
C/S Forging	367747R1							
Connecting Rod	43 To 49 Lbs.Ft.							
Main Bearing	75 To 80 Lbs.Ft.							
5	144 CID (2.4L) BC144,BD144 International Diesel 4 Cyl			3.375in./85.7mm x 4.000in./101.6mm				5
	154 CID (2.5L) BD154 International Diesel 4 Cyl			3.500in./88.9mm x 4.000in./101.6mm				
Rod Bearing(4)	TM-112	CB-647P	STD,10,20,30	1.7490/1.7500	0.0018/0.0043	0.0621	1.8755/1.8760	1.0740
Main Bearing Set	TM-112	MS-614P	STD,10,20					
1-2-3-4		MB-2154P		2.1240/2.1250	0.0014/0.0044	0.0852	2.2965/2.2975	1.0720
5		MB-2155P(F)		2.1240/2.1250	0.0014/0.0044	0.0852	2.2965/2.2975	1.3100
Cam Bearing Set	B-1	SH-507S	STD					
1		SH-507		1.8110/1.8120	0.0010/0.0060	0.0643	1.9420/1.9440	1.1040
2		SH-508		1.5770/1.5780	0.0010/0.0060	0.0643	1.7075/1.7090	1.0100
3		SH-509		1.4990/1.5000	0.0010/0.0060	0.0643	1.6295/1.6310	0.7910
Connecting Rod	30 To 35 Lbs.Ft.							
Main Bearing	70 To 75 Lbs.Ft.							
6	146 CID (2.4L) C146 International Flex 4 Cyl			3.375in./85.7mm x 4.063in./103.2mm				6
	153 CID (2.5L) C153 International Flex 4 Cyl			3.375in./85.7mm x 4.250in./108mm				
Rod Bearing(4)	TM-112	CB-533P	STD,10,20,30	2.0590/2.0600	0.0014/0.0039	0.0628	2.1865/2.1870	1.0670
Main Bearing Set	TM-112	MS-665P	STD,10,20					
1-2		MB-2213P		2.6235/2.6245	0.0012/0.0042	0.0953	2.8160/2.8170	1.2550
3		MB-2214P(F)		2.6235/2.6245	0.0012/0.0042	0.0953	2.8160/2.8170	1.6260
C/S Forging	367747R1							
Connecting Rod	43 To 49 Lbs.Ft.							
Main Bearing	75 To 80 Lbs.Ft.							

INTERNATIONAL TRACTOR (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
7	152 CID (2.5L) C152 International 4 Cyl			3.375in./85.7mm x 4.250in./108mm				7
Rod Bearing(4)	TM-77	CB-207P	STD,2,10,20	2.2475/2.2485	0.0015/0.0040	0.1003	2.4500/2.4510	1.2340
Main Bearing Set 1-3	TM-77	MS-154P MB-1060P	STD,2,10,20	2.4975/2.4985	0.0013/0.0038	0.1252	2.7500/2.7510	1.5000
2		MB-1061P(F)		2.4975/2.4985	0.0013/0.0038	0.1252	2.7500/2.7510	1.9950
Cam Bearing Set 1	B-1	SH-354S	STD	1.9305/1.9315	0.0010/0.0050	0.0643	2.0610/2.0625	1.3230
2		SH-354		1.8055/1.8065	0.0010/0.0050	0.0643	1.9360/1.9375	1.3850
3		SH-355 SH-356		1.3680/1.3690	0.0010/0.0050	0.0643	1.4985/1.5000	1.0100
Piston Pin Bushing(4)	B	223-3361	STD			0.0330	1.1600/1.1615	1.3225
NOTE: Requires Light Reaming								
Rod Forging	43785, 43785B							
C/S Forging	43734D, 43734DB, 43734DC, 43734DD, 60889HC							
Connecting Rod	40 To 50 Lbs.Ft.							
Main Bearing	75 To 80 Lbs.Ft.							
8	157 CID (2.6L) C157 International 4 Cyl			3.375in./85.7mm x 4.391in./111.5mm				8
Rod Bearing(4)	TM-112	CB-533P	STD,10,20,30	2.0590/2.0600	0.0014/0.0039	0.0628	2.1865/2.1870	1.0670
Main Bearing Set 1	TM-112	MS-983P	STD,10,20	2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480
2		MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100
3		MB-2231P(F) MB-1912P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.8430
9	164 CID (2.7L) C164 International 4 Cyl			3.500in./88.9mm x 4.250in./108mm				9
Rod Bearing(4)	TM-77	CB-420P	STD,10,20	2.2975/2.2985	0.0016/0.0042	0.0752	2.4500/2.4510	1.2340
Main Bearing Set 1-3	TM-77	MS-302P	STD,10	2.5575/2.5585	0.0014/0.0040	0.0952	2.7500/2.7510	1.5000
2		MB-1541P		2.5575/2.5585	0.0014/0.0040	0.0952	2.7500/2.7510	1.9730
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-354S	STD	1.9305/1.9315	0.0010/0.0050	0.0643	2.0610/2.0625	1.3230
2		SH-354		1.8055/1.8065	0.0010/0.0050	0.0643	1.9360/1.9375	1.3850
3		SH-355 SH-356		1.3680/1.3690	0.0010/0.0050	0.0643	1.4985/1.5000	1.0100
Piston Pin Bushing(4)	B	223-3361	STD			0.0330	1.1600/1.1615	1.3225
NOTE: Requires Light Reaming								
Rod Forging	25069H, 30926D, 364912R11, 43785DDXA							
C/S Forging	43739, 43734D, 43734DC, 43734DF, 43734DG, 43734DCX, 43734DEX, 43734DFY, 43734DHX							
Connecting Rod	40 To 50 Lbs.Ft.							
Main Bearing	75 To 80 Lbs.Ft.							
10	166 CID (2.7L) D166 International Diesel 4 Cyl			3.688in./93.7mm x 3.875in./98.4mm				10
	188 CID (3.1L) D188 International Diesel 4 Cyl			3.688in./93.7mm x 4.391in./111.5mm				
Rod Bearing(4)	TM-112	CB-550P	STD,1,2,10,20,30	2.3730/2.3740	0.0014/0.0039	0.0623	2.4995/2.5000	1.0030
Main Bearing Set 1	TM-112	MS-562P	STD,10,20	2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.0860
2		MB-1910P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100
3		MB-1911P(F) MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480
Cam Bearing Set 1	B-1	SH-558S	STD	2.1090/2.1100	0.0005/0.0050	0.0648	2.2400/2.2415	1.1350
2		SH-493		2.0890/2.0900	0.0005/0.0050	0.0648	2.2200/2.2215	1.0720
3		SH-220 SH-455		2.0690/2.0700	0.0005/0.0050	0.0648	2.2000/2.2015	1.0720
Piston Pin Bushing(4)	C-1	223-3566	STD			0.0660	1.2500/1.2505	1.3220
NOTE: Requires Boring								
Rod Forging	V45, 61349H, G-11176, G-11723, 306280R1							
C/S Forging	A-39151, G-11741, 318264R1, 308397R31, 375601R11							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
11	169 CID (2.8L) C169 International 4 Cyl			3.563in./90.5mm x 4.250in./108mm				11
	175 CID (2.9L) C175 (Early) International 4 Cyl			3.625in./92.1mm x 4.250in./108mm				
Rod Bearing(4)	TM-77	CB-420P	STD,10,20	2.2975/2.2985	0.0016/0.0042	0.0752	2.4500/2.4510	1.2340

INTERNATIONAL TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
11 (Cont.)	169 CID (2.8L) C169 International 4 Cyl			3.563in./90.5mm x 4.250in./108mm				11 (Cont.)
	175 CID (2.9L) C175 (Early) International 4 Cyl			3.625in./92.1mm x 4.250in./108mm				
Main Bearing Set	TM-77	MS-302P	STD,10					
1-3		MB-1541P		2.5575/2.5585	0.0014/0.0040	0.0952	2.7500/2.7510	1.5000
2		MB-1542P(F)		2.5575/2.5585	0.0014/0.0040	0.0952	2.7500/2.7510	1.9730
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-354S	STD					
1		SH-354		1.9305/1.9315	0.0010/0.0050	0.0643	2.0610/2.0625	1.3230
2		SH-355		1.8055/1.8065	0.0010/0.0050	0.0643	1.9360/1.9375	1.3850
3		SH-356		1.3680/1.3690	0.0010/0.0050	0.0643	1.4985/1.5000	1.0100
Piston Pin Bushing(4)	B	223-3469	STD			0.0330	0.9305/0.9315	1.2650
NOTE: Engines With .875" Piston Pin Diameter, Requires Light Reaming, .8752" Inside Diameter,.9355" Outside Diameter,1.297" Length								
Rod Forging	25069H, 30926D, 364912R11, 43785DDXA							
C/S Forging	43739, 43734D, 43734DC, 43734DF, 43734DG, 43734DCX, 43734DEX, 43734DFY, 43734DHX							
Connecting Rod	40 To 50 Lbs.Ft.							
Main Bearing	75 To 80 Lbs.Ft.							
12	175 CID (2.9L) C175 (Late) International 4 Cyl			3.563in./90.5mm x 4.391in./111.5mm				12
	200 CID (3.3L) C200 International 4 Cyl			3.813in./96.9mm x 4.391in./111.5mm				
Rod Bearing(4)	TM-112	CB-550P	STD,1,2,10,20,30	2.3730/2.3740	0.0014/0.0039	0.0623	2.4995/2.5000	1.0030
Main Bearing Set	TM-112	MS-983P	STD,10,20					
1		MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480
2		MB-2231P(F)		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100
3		MB-1912P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.8430
Piston Pin Bushing(4)	B	223-3469	STD			0.0330	0.9305/0.9315	1.2650
NOTE: Requires Light Reaming								
13	206 CID (3.4L) D206 International 4 Cyl			3.875in./98.4mm x 4.375in./111.1mm				13
	239 CID (3.9L) D239 International Diesel 4 Cyl			3.875in./98.4mm x 5.063in./128.6mm				
	239 CID (3.9L) DT239 International Turbocharged Diesel 4 Cyl			3.875in./98.4mm x 5.063in./128.6mm				
Rod Bearing(4)	TM-112	CB-1044P	STD,.25mm,.50mm,.75mm	2.5185/2.5193	0.0024/0.0046	0.0778	2.6771/2.6779	1.2640
NOTE: Thru 2/75,Locating Lug On Right Side								
Rod Bearing(4)	TM-112	CB-1193P	STD,.25mm,.50mm,.75mm	2.5185/2.5193	0.0024/0.0046	0.0778	2.6771/2.6779	1.1810
NOTE: From 2/75,Locating Lug On Left Side								
Main Bearing Set	TM-112	MS-1198P	STD,.25mm,.50mm					
1-2-3-4		MB-741P		3.1485/3.1492	0.0026/0.0052	0.1170	3.3858/3.3867	1.0160
5		MB-742P(F)		3.1485/3.1492	0.0026/0.0052	0.1170	3.3858/3.3867	1.4370
NOTE: .25mm Undersize Set Contains .25mm Oversize Length Flanged Bearing,.50mm Undersize Set Contains .50mm Oversize Length Flanged Bearing								
14	248 CID (4.1L) C248 International 4 Cyl			3.875in./98.4mm x 5.250in./133.4mm				14
Rod Bearing(4)	TM-77	CB-206P	STD,2,10,20,30	2.4975/2.4985	0.0015/0.0040	0.1003	2.7000/2.7010	1.7290
NOTE: Early Engine								
Rod Bearing(4)	TM-77	CB-422P	STD,2,10,20,30	2.5475/2.5485	0.0016/0.0042	0.0752	2.7000/2.7010	1.7290
NOTE: Late Engines								
Main Bearing Set	TM-77	MS-155P	STD,10,20					
1-3		MB-1062P		2.7475/2.7485	0.0013/0.0038	0.1252	3.0000/3.0010	1.5630
2		MB-1063P(F)		2.7475/2.7485	0.0013/0.0038	0.1252	3.0000/3.0010	2.2450
NOTE: Early Engine								
Main Bearing Set	TM-77	MS-307P	STD,10,20					
1-3		MB-1543P		2.8075/2.8085	0.0014/0.0040	0.0952	3.0000/3.0010	1.5630
2		MB-1544P(F)		2.8075/2.8085	0.0014/0.0040	0.0952	3.0000/3.0010	2.2230
NOTE: Late Engines								
Cam Bearing Set	B-1	SH-116S	STD					
1		SH-116		2.2430/2.2440	0.0010/0.0050	0.0643	2.3735/2.3750	1.4480
2		SH-117		2.1180/2.1190	0.0010/0.0050	0.0643	2.2485/2.2500	1.4790
3		SH-118		1.8680/1.8690	0.0010/0.0050	0.0643	1.9985/2.0000	1.0730
Piston Pin Bushing(4)	C-1	223-3443	STD			0.1115	1.4085	1.5250
NOTE: Requires Light Reaming								
C/S Forging	44572, 45572, 44571DB, 44571DE, 45571DB, 45571DC, 45571DD, 45571DE, 44571DEX, 45571DCX, 45571DDX, 45571DEX, 45571FDX							

INTERNATIONAL TRACTOR (Cont.)

COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
14 (Cont.)	248 CID (4.1L) C248 International 4 Cyl			3.875in./98.4mm x 5.250in./133.4mm				14 (Cont.)	
Connecting Rod		55 To 60 Lbs.Ft.							
Main Bearing		100 To 105 Lbs.Ft.							
15	248 CID (4.1L) D248 International Diesel 4 Cyl			3.875in./98.4mm x 5.250in./133.4mm				15	
	264 CID (4.3L) D264 International Diesel 4 Cyl			4.000in./101.6mm x 5.250in./133.4mm					
	281 CID (4.6L) D281 International Diesel 4 Cyl			4.125in./104.8mm x 5.250in./133.4mm					
Rod Bearing(4)		TM-112	CB-268P	STD,10,20,30	3.2475/3.2485	0.0022/0.0052	0.1004	3.4510/3.4520	2.0930
Piston Pin Bushing(4)		C-1	223-3443	STD			0.1115	1.4085	1.5250
NOTE: Requires Light Reaming, 1.294" Inside Diameter,1.417" Outside Diameter,1.5" Length									
Rod Forging		25750DA							
C/S Forging		55205, 46923D, 52010D, 52010DA, 61265R1, 261265R1							
Connecting Rod		110 To 120 Lbs.Ft.							
Main Bearing		150 To 175 Lbs.Ft. (5/8" Bolts)							
Main Bearing		250 To 275 Lbs.Ft. (3/4" Bolts)							
16	264 CID (4.3L) C264 International 4 Cyl			4.000in./101.6mm x 5.250in./133.4mm				16	
	281 CID (4.6L) C281 International 4 Cyl			4.125in./104.8mm x 5.250in./133.4mm					
Rod Bearing(4)		TM-77	CB-422P	STD,2,10,20,30	2.5475/2.5485	0.0016/0.0042	0.0752	2.7000/2.7010	1.7290
Main Bearing Set		TM-77	MS-307P	STD,10,20					
1-3			MB-1543P		2.8075/2.8085	0.0014/0.0040	0.0952	3.0000/3.0010	1.5630
2			MB-1544P(F)		2.8075/2.8085	0.0014/0.0040	0.0952	3.0000/3.0010	2.2230
Cam Bearing Set		B-1	SH-116S	STD					
1			SH-116		2.2430/2.2440	0.0010/0.0050	0.0643	2.3735/2.3750	1.4480
2			SH-117		2.1180/2.1190	0.0010/0.0050	0.0643	2.2485/2.2500	1.4790
3			SH-118		1.8680/1.8690	0.0010/0.0050	0.0643	1.9985/2.0000	1.0730
Rod Forging		45750DA							
C/S Forging		44572, 45572, 44571DB, 44571DE, 45571DB, 45571DC, 45571DD, 45571DE, 44571DEX, 45571DCX, 45571DDX, 45571DEX, 45571FDX, 261265R41							
Connecting Rod		55 To 60 Lbs.Ft.							
Main Bearing		100 To 105 Lbs.Ft.							
17	335 CID (5.5L) D335 International Diesel 4 Cyl			4.406in./112mm x 5.500in./139.7mm				17	
	350 CID (5.7L) D350 International Diesel 4 Cyl			4.500in./114.3mm x 5.500in./139.7mm					
	370 CID (6.1L) D370 International Diesel 4 Cyl			4.625in./117.5mm x 5.500in./139.7mm					
Rod Bearing(4)		TM-112	CB-622P	STD,10,20,30	2.7475/2.7485	0.0024/0.0054	0.0748	2.9000/2.9010	2.0200
C/S Forging		260693R1, 260693R2, 260693R3, 260749R1, 260749R2, 275606R1, 275708R92							
18	461 CID (7.6L) D461 International Diesel 4 Cyl			4.750in./120.7mm x 6.500in./165.1mm				18	
Rod Bearing(4)		TM-112	CB-632P	STD	3.2475/3.2485	0.0030/0.0060	0.1245	3.5000/3.5010	1.8250
Rod Forging		25053D, 28736D, 32285D, 42687D, 254924R1							
C/S Forging		24895D, 53401D, 24895DD, 53401DC, 54401DC, 54401DCX, 378684R21, 378685R11, 378686R21							
6 CYL									
19	220 CID (3.6L) BD220 International 6 Cyl (1962)			3.563in./90.5mm x 3.688in./93.7mm				19	
	240 CID (3.9L) BD240 International 6 Cyl (1962)			3.563in./90.5mm x 4.016in./102mm					
	264 CID (4.3L) BD264 International 6 Cyl (1960)			3.688in./93.7mm x 4.125in./104.8mm					
	264 CID (4.3L) SD264 International 6 Cyl			3.688in./93.7mm x 4.125in./104.8mm					
Rod Bearing(6)		TM-112	CB-475P	STD,10,20,30,40	2.3730/2.3740	0.0014/0.0039	0.0623	2.4995/2.5000	1.1000
Cam Bearing Set		B-1	SH-220S	STD					
1			SH-493		2.1090/2.1100	0.0005/0.0050	0.0648	2.2400/2.2415	1.1350
2			SH-220		2.0890/2.0900	0.0005/0.0050	0.0648	2.2200/2.2215	1.0720
3			SH-455		2.0690/2.0700	0.0005/0.0050	0.0648	2.2000/2.2015	1.0720
4			SH-224		1.4995/1.5005	0.0005/0.0050	0.0648	1.6305/1.6320	1.3220
NOTE: Contains Late Style Bearing with 2 Oil Holes, Will Service Both Early And Late Engines									
Piston Pin Bushing(6)		B	223-3469	STD			0.0330	0.9305/0.9315	1.2650
NOTE: Requires Light Reaming									
Rod Forging		70009R1, 70009R2							
C/S Forging		70115R1, 70115R3, 70118R1, 141779R1, 141780R1, 166088R1							
Connecting Rod		45 To 55 Lbs.Ft.							
Main Bearing		75 To 85 Lbs.Ft.							

INTERNATIONAL TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
20	221 CID (3.6L) C221 International 6 Cyl 263 CID (4.3L) C263 International 6 Cyl 301 CID (4.9L) C301 International Flex 6 Cyl				3.563in./90.5mm x 3.688in./93.7mm 3.563in./90.5mm x 4.391in./111.5mm 3.813in./96.9mm x 4.391in./111.5mm			20
Rod Bearing(6)	TM-112	CB-550P	STD,1,2,10,20,30	2.3730/2.3740	0.0014/0.0039	0.0623	2.4995/2.5000	1.0030
Main Bearing Set	TM-112	MS-494P	STD,10,20					
1		MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480
2		MB-1910P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.0860
3		MB-1911P(F)		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100
4		MB-1912P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.8430
NOTE: Engines With 3.750" Main Bearing Flange Outside Diameter								
Main Bearing Set	TM-112	MS-683P	STD,10,20					
1		MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480
2		MB-1910P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.0860
3		MB-2231P(F)		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100
4		MB-1912P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.8430
NOTE: Engines With 4.000" Main Bearing Flange Outside Diameter								
Cam Bearing Set	B-1	SH-220S	STD					
1		SH-493		2.1090/2.1100	0.0005/0.0050	0.0648	2.2400/2.2415	1.1350
2		SH-220		2.0890/2.0900	0.0005/0.0050	0.0648	2.2200/2.2215	1.0720
3		SH-455		2.0690/2.0700	0.0005/0.0050	0.0648	2.2000/2.2015	1.0720
4		SH-224		1.4995/1.5005	0.0005/0.0050	0.0648	1.6305/1.6320	1.3220
Piston Pin Bushing(6)	B	223-3469	STD			0.0330	0.9305/0.9315	1.2650
NOTE: Requires Light Reaming								
Piston Pin Bushing(6)	C-1	223-3624	STD					
NOTE: Engines With .875" Piston Pin Diameter, Requires Boring								
Rod Forging	61349H							
C/S Forging	267267R1, 315712R3, 320185R1, 367266R1, 367267R1, 323882R11							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
21	233 CID (3.8L) GRD233 International 6 Cyl				3.312in./84.1mm x 4.500in./114.3mm			21
Cam Bearing Set	B-1	SH-69S	STD					
		SH-69		2.1855/2.1860	0.0010/0.0040	0.0640	2.3165/2.3175	1.1350
NOTE: Contains 1 Bearing, Order As Required								
22	236 CID (3.9L) D236 International Diesel 6 Cyl 282 CID (4.6L) C282 International 6 Cyl 282 CID (4.6L) D282,DT282 International Diesel 6 Cyl 291 CID (4.8L) C291 International 6 Cyl 301 CID (4.9L) D301 International Diesel 6 Cyl 301 CID (4.9L) DT301 International Turbocharged Diesel 6 Cyl				3.688in./93.7mm x 3.688in./93.7mm 3.688in./93.7mm x 4.391in./111.5mm 3.688in./93.7mm x 4.391in./111.5mm 3.750in./95.3mm x 4.391in./111.5mm 3.813in./96.9mm x 4.391in./111.5mm 3.813in./96.9mm x 4.391in./111.5mm			22
Rod Bearing(6)	TM-112	CB-550P	STD,1,2,10,20,30	2.3730/2.3740	0.0014/0.0039	0.0623	2.4995/2.5000	1.0030
Main Bearing Set	TM-112	MS-494P	STD,10,20					
1		MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480
2		MB-1910P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.0860
3		MB-1911P(F)		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100
4		MB-1912P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.8430
NOTE: Engines With 3.750" Main Bearing Flange Outside Diameter								
Main Bearing Set	TM-112	MS-683P	STD,10,20					
1		MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480
2		MB-1910P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.0860
3		MB-2231P(F)		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100
4		MB-1912P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.8430
NOTE: Engines With 4.000" Main Bearing Flange Outside Diameter								
Cam Bearing Set	B-1	SH-220S	STD					
1		SH-493		2.1090/2.1100	0.0005/0.0050	0.0648	2.2400/2.2415	1.1350
2		SH-220		2.0890/2.0900	0.0005/0.0050	0.0648	2.2200/2.2215	1.0720
3		SH-455		2.0690/2.0700	0.0005/0.0050	0.0648	2.2000/2.2015	1.0720
4		SH-224		1.4995/1.5005	0.0005/0.0050	0.0648	1.6305/1.6320	1.3220

INTERNATIONAL TRACTOR (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
22 (Cont.)	236 CID (3.9L) D236 International Diesel 6 Cyl			3.688in./93.7mm x 3.688in./93.7mm				22 (Cont.)
	282 CID (4.6L) C282 International 6 Cyl			3.688in./93.7mm x 4.391in./111.5mm				
	282 CID (4.6L) D282,DT282 International Diesel 6 Cyl			3.688in./93.7mm x 4.391in./111.5mm				
	291 CID (4.8L) C291 International 6 Cyl			3.750in./95.3mm x 4.391in./111.5mm				
	301 CID (4.9L) D301 International Diesel 6 Cyl			3.813in./96.9mm x 4.391in./111.5mm				
	301 CID (4.9L) DT301 International Turbocharged Diesel 6 Cyl			3.813in./96.9mm x 4.391in./111.5mm				
Piston Pin Bushing(6) NOTE: Engines With .875" Piston Pin Diameter,From Engine Serial Number 501-4369, Requires Light Reaming, .934" Outside Diameter				0.0330 0.9305/0.9315 1.2650				
Piston Pin Bushing(6) NOTE: Engines With 1.125" Piston Pin Diameter,From Engine Serial Number 4370, Requires Boring, 1.25" Outside Diameter				0.0660 1.2500/1.2505 1.3220				
Piston Pin Bushing(6) NOTE: Engines With .875" Piston Pin Diameter, Requires Boring								
Rod Forging 306280R1, 367406R1 C/S Forging 267267R1, 315712R3, 320185R1, 367266R1, 367267R1, 323882R11								
Connecting Rod 45 To 55 Lbs.Ft. Main Bearing 75 To 85 Lbs.Ft.								
23	269 CID (4.4L) BLD269 International 6 Cyl			3.563in./90.5mm x 4.500in./114.3mm				23
Rod Bearing(6) TM-112 CB-452P STD,10,20				2.1220/2.1230	0.0012/0.0037	0.0564	2.2365/2.2370	1.1980
Rod Forging 116390H, 62930R1, 62930R4, 62930R5 C/S Forging 116447H, 125932R1, 129532R1								
Connecting Rod 75 To 85 Lbs.Ft. Main Bearing 100 To 110 Lbs.Ft.								
24	310 CID (5.1L) D310 International Diesel 6 Cyl			3.875in./98.4mm x 3.563in./90.5mm				24
	358 CID (5.9L) D358 International Diesel 6 Cyl			3.875in./98.4mm x 5.063in./128.6mm				
	358 CID (5.9L) DT358 International Turbocharged Diesel 6 Cyl			3.875in./98.4mm x 5.063in./128.6mm				
Rod Bearing(6) TM-112 CB-1044P STD,.25mm,.50mm,.75mm NOTE: Thru 2/75,Locating Lug On Right Side				2.5185/2.5193	0.0024/0.0046	0.0778	2.6771/2.6779	1.2640
Rod Bearing(6) TM-112 CB-1193P STD,.25mm,.50mm,.75mm NOTE: From 2/75,Locating Lug On Left Side				2.5185/2.5193	0.0024/0.0046	0.0778	2.6771/2.6779	1.1810
Main Bearing Set TM-112 MS-1199P STD,.25mm,.50mm 1-2-3-4-5-6 MB-741P 7 MB-742P(F)				3.1485/3.1492 3.1485/3.1492	0.0026/0.0052 0.0026/0.0052	0.1170 0.1170	3.3858/3.3867 3.3858/3.3867	1.0160 1.4370
NOTE: .25mm Undersize Set Contains .25mm Oversize Length Flanged Bearing,.50mm Undersize Set Contains .50mm Oversize Length Flanged Bearing								
25	312 CID (5.1L) D312 International Diesel 6 Cyl			3.875in./98.4mm x 4.410in./112mm				25
	360 CID (5.9L) D360 International Diesel 6 Cyl			3.875in./98.4mm x 5.085in./129.2mm				
Rod Bearing(6) TM-112 CB-675P STD,10,20,30,40				2.9977/2.9990	0.0023/0.0056	0.0996	3.2000/3.2010	1.2000
Main Bearing Set TM-112 MS-1342P STD,10,20,30 1-2-3-4-5-6 MB-2626P 7 MB-2627P(F)				3.3742/3.3755 3.3742/3.3755	0.0021/0.0051 0.0021/0.0051	0.1556 0.1556	3.6885/3.6895 3.6885/3.6895	1.0650 1.4350
NOTE: .030" Undersize Set Contains .012" Oversize Length Flanged Bearing								
Cam Bearing Set B-1 SH-994S STD 1 SH-994 2 SH-995 3 SH-996 4 SH-997				2.2824/2.2835 2.2824/2.2835 2.2824/2.2835 2.2824/2.2835	0.0010/0.0056 0.0010/0.0056 0.0010/0.0056 0.0010/0.0056	0.1080 0.0980 0.0880 0.0780	2.5005/2.5020 2.4805/2.4820 2.4605/2.4620 2.4405/2.4420	1.0100 0.7090 0.7090 0.7100
Piston Pin Bushing(6) NOTE: Requires Boring				0.0635 1.7250/1.7255 1.2750				
Connecting Rod 130 Lbs.Ft. Main Bearing 115 Lbs.Ft.								
26	360 CID (5.9L) DT360 International Turbocharged Diesel 6 Cyl			3.875in./98.4mm x 5.085in./129.2mm				26
Rod Bearing(6) TM-112 CB-1394P STD,10,20,30				2.5182/2.5197	0.0018/0.0051	0.0778	2.6771/2.6779	1.2650

INTERNATIONAL TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
26 (Cont.)	360 CID (5.9L) DT360 International Turbocharged Diesel 6 Cyl			3.875in./98.4mm x 5.085in./129.2mm				26 (Cont.)
Main Bearing Set 1-2-3-4-5-6 7	TM-112	MS-1342P MB-2626P MB-2627P(F)	STD,10,20,30	3.3742/3.3755 3.3742/3.3755	0.0021/0.0051 0.0021/0.0051	0.1556 0.1556	3.6885/3.6895 3.6885/3.6895	1.0650 1.4350
NOTE: .030" Undersize Set Contains .012" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3 4	B-1	SH-994S SH-994 SH-995 SH-996 SH-997	STD	2.2824/2.2835 2.2824/2.2835 2.2824/2.2835 2.2824/2.2835	0.0010/0.0056 0.0010/0.0056 0.0010/0.0056 0.0010/0.0056	0.1080 0.0980 0.0880 0.0780	2.5005/2.5020 2.4805/2.4820 2.4605/2.4620 2.4405/2.4420	1.0100 0.7090 0.7090 0.7100
Piston Pin Bushing(6) NOTE: Requires Boring	C-1	223-3627	STD			0.0635	1.7250/1.7255	1.2750
C/S Forging 1A, 1AA, 188A, 202B, 2MAE, 2 MAE, 1805420C1, 1809954C1, 1816975C1, 1812320C91								
Connecting Rod Main Bearing	80 Lbs.Ft. 115 Lbs.Ft.							
27	361 CID (5.9L) D361 International Diesel 6 Cyl 361 CID (5.9L) DT361 International Turbocharged Diesel 6 Cyl 407 CID (6.7L) D407 International Diesel 6 Cyl 407 CID (6.7L) DT407 International Turbocharged Diesel 6 Cyl 407 CID (6.7L) UDT407 International 6 Cyl			4.125in./104.8mm x 4.500in./114.3mm 4.125in./104.8mm x 4.500in./114.3mm 4.321in./109.7mm x 4.625in./117.5mm 4.321in./109.7mm x 4.625in./117.5mm 4.321in./109.7mm x 4.625in./117.5mm				27
Rod Bearing(6)	TM-112	CB-675P	STD,10,20,30,40	2.9977/2.9990	0.0023/0.0056	0.0996	3.2000/3.2010	1.2000
Main Bearing Set 1 2-3-4-5-6 7	TM-112	MS-684P MB-2232P MB-2233P MB-2234P(F)	STD,10	3.3742/3.3755 3.3742/3.3755 3.3742/3.3755	0.0021/0.0054 0.0021/0.0054 0.0021/0.0054	0.1556 0.1556 0.1556	3.6885/3.6895 3.6885/3.6895 3.6885/3.6895	1.2740 1.3550 2.3600
Cam Bearing Set 1 2 3 4	B-1	SH-538S SH-538 SH-220 SH-539 SH-222	STD	2.4290/2.4300 2.0890/2.0900 2.0690/2.0700 1.4995/1.5005	0.0010/0.0055 0.0005/0.0050 0.0010/0.0055 0.0005/0.0050	0.0645 0.0648 0.0645 0.0648	2.5600/2.5615 2.2200/2.2215 2.2000/2.2015 1.6305/1.6320	1.1350 1.0720 1.0700 1.5410
Piston Pin Bushing(6) NOTE: Engines With 1.500" Piston Pin Diameter, Requires Boring	C-1	223-3625	STD			0.0595	1.6045/1.6050	1.4050
Piston Pin Bushing(6) NOTE: Engines With 1.625" Piston Pin Diameter, Requires Boring	C-1	223-3626	STD			0.0595	1.7250/1.7255	1.4050
Connecting Rod 100 To 110 Lbs.Ft. Main Bearing 110 To 120 Lbs.Ft.								
28	372 CID (6.1L) RD372 International 6 Cyl 372 CID (6.1L) RD372 International LPG 6 Cyl 406 CID (6.7L) RD406 International 6 Cyl 450 CID (7.4L) RD450 International 6 Cyl 501 CID (8.2L) RD501 International 6 Cyl			4.375in./111.1mm x 4.125in./104.8mm 4.375in./111.1mm x 4.125in./104.8mm 4.375in./111.1mm x 4.500in./114.3mm 4.375in./111.1mm x 5.000in./127mm 4.500in./114.3mm x 5.250in./133.4mm				28
Rod Bearing(6)	TM-112	CB-266P	STD,10,20,30,40,C60	2.7510/2.7520	0.0022/0.0047	0.0722	2.8980/2.8985	1.3800
Cam Bearing Set 1 2 3 4	B-1	SH-493S SH-493 SH-220 SH-221 SH-222	STD	2.1090/2.1100 2.0890/2.0900 2.0690/2.0700 1.4995/1.5005	0.0005/0.0050 0.0005/0.0050 0.0005/0.0050 0.0005/0.0050	0.0648 0.0648 0.0648 0.0648	2.2400/2.2415 2.2200/2.2215 2.2000/2.2015 1.6305/1.6320	1.1350 1.0720 1.0720 1.5410
Piston Pin Bushing(6) NOTE: Requires Light Reaming	C-1	223-3461	STD			0.6050	1.2175/1.2190	1.5410
Rod Forging 118701H, 118701HA C/S Forging 118528H, 118530H, 83917R1, 83917R2, 83917R3, 93917R1, 93917R3, 131850R1, 837719R1								
Connecting Rod Main Bearing	75 To 85 Lbs.Ft. 100 To 110 Lbs.Ft.							

INTERNATIONAL TRACTOR (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
29	414 CID (6.8L) D414 International Diesel 6 Cyl				4.300in./109.2mm x 4.750in./120.7mm			29
	414 CID (6.8L) DT414B,DT414 International Turbocharged Diesel 6 Cyl				4.300in./109.2mm x 4.750in./120.7mm			
	436 CID (7.1L) D436 International Diesel 6 Cyl				4.300in./109.2mm x 5.000in./127mm			
	436 CID (7.1L) DT436B,DT436 International Turbocharged Diesel 6 Cyl				4.300in./109.2mm x 5.000in./127mm			
	466 CID (7.6L) D466 International Diesel 6 Cyl				4.300in./109.2mm x 5.350in./135.9mm			
	466 CID (7.6L) DT466B,DT466,DTI466B International Turbocharged Diesel 6 Cyl				4.300in./109.2mm x 5.350in./135.9mm			
Rod Bearing(6)	TM-112	CB-675P	STD,10,20,30,40	2.9977/2.9990	0.0023/0.0056	0.0996	3.2000/3.2010	1.2000
Main Bearing Set 1-2-3-4-5-6	TM-112	MS-1343P	STD,10,20,30	3.3742/3.3755	0.0021/0.0051	0.1556	3.6885/3.6895	1.2250
7		MB-2628P		3.3742/3.3755	0.0021/0.0051	0.1556	3.6885/3.6895	1.7770
NOTE: .030" Undersize Set Contains .012" Oversize Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-994S	STD					
2		SH-994		2.2824/2.2835	0.0010/0.0056	0.1080	2.5005/2.5020	1.0100
3		SH-995		2.2824/2.2835	0.0010/0.0056	0.0980	2.4805/2.4820	0.7090
4		SH-996		2.2824/2.2835	0.0010/0.0056	0.0880	2.4605/2.4620	0.7090
		SH-997		2.2824/2.2835	0.0010/0.0056	0.0780	2.4405/2.4420	0.7100
Piston Pin Bushing(6)	C-1	223-3595	STD			0.0635	1.7250/1.7255	1.4000
NOTE: Requires Boring								
30	429 CID (7.0L) D429 International Diesel 6 Cyl				4.500in./114.3mm x 4.500in./114.3mm			30
	429 CID (7.0L) DT429 International Turbocharged Diesel 6 Cyl				4.500in./114.3mm x 4.500in./114.3mm			
Rod Bearing(6)	TM-112	CB-685P	STD,10,20,30	2.9972/2.9982	0.0023/0.0056	0.0996	3.2000/3.2010	1.3510
Connecting Rod	120 To 130 Lbs.Ft.							
Main Bearing	275 To 300 Lbs.Ft.							
31	466 CID (7.6L) DT466C,DTA466C,DTI466C International Turbocharged Diesel 6 Cyl				4.300in./109.2mm x 5.350in./135.9mm			31
Rod Bearing(6)	TM-112	CB-675P	STD,10,20,30,40	2.9977/2.9990	0.0023/0.0056	0.0996	3.2000/3.2010	1.2000
NOTE: Thru Engine Serial Number 440035								
Rod Bearing(6)	TM-112	CB-1365P	STD,10,20,30	2.9977/2.9990	0.0023/0.0056	0.0996	3.2000/3.2010	1.2600
NOTE: From Engine Serial Number 440036								
Main Bearing Set 1-2-3-4-5-6	TM-112	MS-1343P	STD,10,20,30	3.3742/3.3755	0.0021/0.0051	0.1556	3.6885/3.6895	1.2250
7		MB-2628P		3.3742/3.3755	0.0021/0.0051	0.1556	3.6885/3.6895	1.7770
NOTE: Thru Engine Serial Number 440035, .030" Undersize Set Contains .012" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4-5-6	TM-112	MS-1642P	STD,10,20,30	3.3742/3.3755	0.0021/0.0051	0.1556	3.6885/3.6895	1.2290
7		MB-3009P		3.3742/3.3755	0.0021/0.0051	0.1556	3.6885/3.6895	1.7770
NOTE: From Engine Serial Number 440036, .030" Undersize Set Contains .012" Oversize Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-994S	STD					
2		SH-994		2.2824/2.2835	0.0010/0.0056	0.1080	2.5005/2.5020	1.0100
3		SH-995		2.2824/2.2835	0.0010/0.0056	0.0980	2.4805/2.4820	0.7090
4		SH-996		2.2824/2.2835	0.0010/0.0056	0.0880	2.4605/2.4620	0.7090
		SH-997		2.2824/2.2835	0.0010/0.0056	0.0780	2.4405/2.4420	0.7100
Piston Pin Bushing(6)	C-1	223-3595	STD			0.0635	1.7250/1.7255	1.4000
NOTE: Requires Boring								
32	502 CID (8.2L) D502 International Diesel 6 Cyl				4.406in./112mm x 5.500in./139.7mm			32
	525 CID (8.6L) D525 International Diesel 6 Cyl				4.500in./114.3mm x 5.500in./139.7mm			
	554 CID (9.1L) D554 International Diesel 6 Cyl				4.625in./117.5mm x 5.500in./139.7mm			
Rod Bearing(6)	TM-112	CB-622P	STD,10,20,30	2.7475/2.7485	0.0024/0.0054	0.0748	2.9000/2.9010	2.0200
C/S Forging 20068R2, 252576R1, 252576R2, 260068R1, 260068R2								
Connecting Rod	55 To 60 Lbs.Ft.							
Main Bearing	100 To 120 Lbs.Ft.							
33	691 CID (11.3L) D691 International Diesel 6 Cyl				4.750in./120.7mm x 6.500in./165.1mm			33
	691 CID (11.3L) DT691 International Turbocharged Diesel 6 Cyl				4.750in./120.7mm x 6.500in./165.1mm			
Rod Bearing(6)	TM-112	CB-632P	STD	3.2475/3.2485	0.0030/0.0060	0.1245	3.5000/3.5010	1.8250
C/S Forging 32305, 32288D, 32288DB, 263126R1, 263126R2, 318175R11								

INTERNATIONAL TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
33 (Cont.)	691 CID (11.3L) D691 International Diesel 6 Cyl			4.750in./120.7mm x 6.500in./165.1mm				33 (Cont.)
	691 CID (11.3L) DT691 International Turbocharged Diesel 6 Cyl			4.750in./120.7mm x 6.500in./165.1mm				
Connecting Rod 70 To 75 Lbs.Ft.								
34	743 CID (12.2L) HR600 Cummins Diesel 6 Cyl			6.125in./155.6mm x 6.000in./152.4mm				34
	743 CID (12.2L) NH600 Cummins Diesel 6 Cyl			5.125in./130.2mm x 6.000in./152.4mm				
Piston Pin Bushing(6)	C-1	223-3545	STD	0.1400 2.2500/2.2500 2.2100				
NOTE: Requires Boring								
35	817 CID (13.4L) D817 International Diesel 6 Cyl			5.375in./136.5mm x 6.000in./152.4mm				35
	817 CID (13.4L) DT817,DTI817B,DTI817C,DTI817 International Turbocharged Diesel 6 Cyl			5.375in./136.5mm x 6.000in./152.4mm				
Rod Bearing(6)	TM-112	CB-590P	STD,10,20,30	3.4965/3.4975	0.0045/0.0075	0.1250	3.7520/3.7530	1.7800
Piston Pin Bushing(6)	C-1	223-3630	STD	0.0740 2.3756/2.3762 1.8000				
NOTE: Requires Boring								
Rod Forging	277103R11							
C/S Forging	277100R11							
Connecting Rod 145 To 155 Lbs.Ft.								
Main Bearing 225 To 245 Lbs.Ft.								
8 CYL								
36	345 CID (5.6L) V345 International V8 Cyl			3.875in./98.4mm x 3.656in./92.9mm				36
Rod Bearing(8)	TM-112	CB-581P	STD,1,2,10,20,30,40,C60	2.3730/2.3740	0.0016/0.0041	0.0622	2.4995/2.5000	0.9780
Main Bearing Set 1-2-4-5	TM-112	MS-516P	STD,10,20,30,40	2.7484/2.7494	0.0009/0.0039	0.0955	2.9410/2.9420	0.7260
3		MB-1997P MB-1998P(F)		2.7484/2.7494	0.0013/0.0043	0.0953	2.9410/2.9420	1.0550
Cam Bearing Set 1	B-1	SH-426S SH-426	STD	2.0990/2.1000	0.0010/0.0050	0.0648	2.2305/2.2320	0.7200
2		SH-427		2.0890/2.0900	0.0010/0.0050	0.0648	2.2205/2.2220	0.6550
3		SH-428		2.0790/2.0800	0.0010/0.0050	0.0648	2.2105/2.2120	0.6550
4		SH-429		2.0690/2.0700	0.0010/0.0050	0.0648	2.2005/2.2020	0.6550
5		SH-430		2.0590/2.0600	0.0010/0.0050	0.0648	2.1905/2.1920	0.7600
37	401 CID (6.6L) V401 International V8 Cyl			4.125in./104.8mm x 3.750in./95.3mm				37
	461 CID (7.6L) V461 International V8 Cyl			4.125in./104.8mm x 4.313in./109.6mm				
	549 CID (9.0L) V549 International V8 Cyl			4.500in./114.3mm x 4.313in./109.6mm				
Rod Bearing(8)	TM-112	CB-473P	STD,10,20,30	2.6230/2.6240	0.0016/0.0041	0.0752	2.7755/2.7760	1.1650
Main Bearing Set 1-2-4-5	TM-112	MS-828P	STD	3.1240/3.1250	0.0011/0.0041	0.0951	3.3160/3.3170	0.8500
3		MB-2401P MB-2402P(F)		3.1240/3.1250	0.0011/0.0041	0.0951	3.3160/3.3170	1.1940
NOTE: From Engine Serial Number 64556								
Cam Bearing Set 1	B-1	SH-681S SH-681	STD	2.3460/2.3470	0.0020/0.0065	0.0625	2.4740/2.4755	1.1970
2		SH-351		2.3160/2.3170	0.0005/0.0050	0.0628	2.4430/2.4445	1.0100
3		SH-352		2.2900/2.2910	0.0005/0.0050	0.0615	2.4145/2.4160	1.0100
4		SH-682		2.2460/2.2470	0.0020/0.0065	0.0625	2.3740/2.3755	1.0100
Rod Forging	133512R3, 133521R3, 133524R3							
C/S Forging	82856, 852856, 118530H, 118530R1, 123441R3, 131440R3, 133440R1, 133440R3, 133441R1, 133441R3, 133894R1, 133894R3, 133894R4, 242880R91, 242881R91, 242882R91, 289878C91, 296733C91							
Connecting Rod 60 To 70 Lbs.Ft.								
Main Bearing 100 To 110 Lbs.Ft.								
38	573 CID (9.4L) DT573,DVT573B,DVT573,DVTI573B International Turbocharged Diesel V8 Cyl			4.500in./114.3mm x 4.500in./114.3mm				38
	798 CID (13.1L) DV800 International Diesel V8 Cyl			5.313in./135mm x 4.500in./114.3mm				
	798 CID (13.1L) DVT800,V800 International Turbocharged Diesel V8 Cyl			5.313in./135mm x 4.500in./114.3mm				
Rod Bearing(8)	TM-112	CB-685P	STD,10,20,30	2.9972/2.9982	0.0023/0.0056	0.0996	3.2000/3.2010	1.3510
Main Bearing Set 1-2-3-4	TM-112	MS-1388P	STD,10	3.7477/3.7490	0.0029/0.0062	0.1552	4.0620/4.0630	1.4150
5		MB-2690P MB-2691P(F)		3.7477/3.7490	0.0029/0.0062	0.1552	4.0620/4.0630	1.9000
Cam Bearing Set 1-2-3-4-5	C-1	SH-543S SH-543	STD	2.3470/2.3480	0.0010/0.0055	0.0625	2.4740/2.4755	1.0100

INTERNATIONAL TRACTOR (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
38 (Cont.)	573 CID (9.4L) DT573,DVT573B,DVT573,DVTI573B International Turbocharged Diesel V8 Cyl				4.500in./114.3mm x 4.500in./114.3mm			38 (Cont.)
	798 CID (13.1L) DV800 International Diesel V8 Cyl				5.313in./135mm x 4.500in./114.3mm			
	798 CID (13.1L) DVT800,V800 International Turbocharged Diesel V8 Cyl				5.313in./135mm x 4.500in./114.3mm			
Connecting Rod		120 To 130 Lbs.Ft.						
Main Bearing		275 To 300 Lbs.Ft.						

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ENGINE DATA							
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				4 CYL (Cont.)			
1471CC (1.5L) 4XC1 SOHC	1985-1989	3.031in./77mmX3.110in./79mm	1	3268CC (3.3L) 4BC1 Diesel	1979-1984	4.016in./102mmX3.937in./100mm	18
1471CC (1.5L) 4XC1-T SOHC Turbo	1987-1989	3.031in./77mmX3.110in./79mm	1	3595CC (3.6L) 4BB1 Diesel	1973-1990	4.016in./102mmX4.331in./110mm	19
1588CC (1.6L) 4XE1 (RLR) SOHC 12 Valve	1991-1993	3.150in./80mmX3.110in./79mm	2	3856CC (3.9L) 4BD1 OHV Diesel	1985-1990	4.016in./102mmX4.646in./118mm	20
1588CC (1.6L) 4XE1W DOHC	1989-1991	3.150in./80mmX3.110in./79mm	3	3856CC (3.9L) 4BD1T OHV Turbocharged Diesel	1986-1991	4.016in./102mmX4.646in./118mm	20
1588CC (1.6L) 4XE1WT DOHC Turbo	1991-1992	3.150in./80mmX3.110in./79mm	2	3856CC (3.9L) 4BD2TC OHV Turbocharged/Intercooled Diesel	1992-1999	4.016in./102mmX4.646in./118mm	20
1809CC (1.8L) 4XF1 DOHC (RLX)	1992-1993	3.150in./80mmX3.543in./90mm	4	6 CYL			
1817CC (1.8L) 4FB1 SOHC Diesel	1981-1984	3.307in./84mmX3.228in./82mm	5	2827CC (2.8L) LL2 Chevrolet	1989-1991	3.500in./88.9mmX2.992in./76mm	21
1817CC (1.8L) G180Z SOHC	1981-1985	3.307in./84mmX3.228in./82mm	6	3137CC (3.1L) CPC (LG6) Chevrolet	1991-1994	3.504in./89mmX3.307in./84mm	21
1949CC (1.9L) G200Z SOHC	1983-1987	3.425in./87mmX3.228in./82mm	7	3165CC (3.2L) DOHC 6VD1	1992-2002	3.677in./93.4mmX3.031in./77mm	22
119 CID/1951CC (2.0L) C190 Diesel	1981-1984	3.385in./86mmX3.307in./84mm	8	3165CC (3.2L) SOHC ISZ (6VD1)	1992-1997	3.677in./93.4mmX3.031in./77mm	22
1991CC (2.0L) C201PT Diesel		3.268in./83mmX3.622in./92mm	9	3494CC (3.5L) 6VE1 DOHC	1998-2002	3.677in./93.4mmX3.346in./85mm	22
1994CC (2.0L) 4ZC1 SOHC Turbo	1985-1989	3.465in./88mmX3.228in./82mm	10	254 CID (4.2L) LL8 -Vortec 4200,DOHC,24v Chevrolet	2003-2005	3.661in./93mmX4.016in./102mm	23
134 CID (2.2L) OHV Chevrolet	1996-2000	3.504in./89mmX3.465in./88mm	11	262 CID (4.3L) Vortec 4300 Chevrolet	1997-2000	4.000in./101.6mmX3.484in./88.5mm	24
2238CC (2.2L) C223 OHV Diesel	1981-1987	3.465in./88mmX3.622in./92mm	8	5393CC (5.4L) 6BB1 Diesel	1972-1990	4.016in./102mmX4.331in./110mm	25
2238CC (2.2L) C223T OHV Turbo Turbocharged Diesel	1986-1987	3.465in./88mmX3.622in./92mm	12	5785CC (5.8L) 6BD1 Diesel	1977-1990	4.016in./102mmX4.646in./118mm	26
2254CC (2.3L) 4ZD1 SOHC	1986-1995	3.516in./89.3mmX3.543in./90mm	10	6130CC (6.1L) 6BF1 Diesel	1980-1990	4.016in./102mmX4.724in./120mm	26
144 CID/2369CC (2.4L) C240 Diesel	1969-1985	3.386in./86mmX4.016in./102mm	13	8 CYL			
2499CC (2.5L) 4JA1 Diesel	1985-1990	3.661in./93mmX3.622in./92mm	14	325 CID (5.3L) Vortec 5300 Chevrolet	2003-2004	3.780in./96mmX3.622in./92mm	27
2559CC (2.6L) 4ZE1 SOHC	1988-1997	3.646in./92.6mmX3.736in./95mm	15	350 CID (5.7L) Fuel Injected Chevrolet	1993-2002	4.000in./101.6mmX3.484in./88.5mm	28
2771CC (2.8L) 4JB1 Diesel	1985-1990	3.661in./93mmX3.622in./92mm	16	365 CID (6.0L) Vortec 6000 Chevrolet	2004	4.000in./101.6mmX3.622in./92mm	29
2775CC (2.8L) 4BA1 Diesel	1973-1990	3.858in./98mmX3.622in./92mm	17				
MODEL DATA							
Model	Engine	Years	Block	Model	Engine	Years	Block
	119 CID/1951CC (2.0L) C190 Diesel	1969-1989	8		2771CC (2.8L) 4JB1 Diesel	1985-1990	16
	144 CID/2369CC (2.4L) C240 Diesel	1969-1989	13		2775CC (2.8L) 4BA1 Diesel	1973-1990	17
	2499CC (2.5L) 4JA1 Diesel	1985-1990	14		3268CC (3.3L) 4BC1 Diesel	1979-1984	18
					3595CC (3.6L) 4BB1 Diesel	1973-1990	19

ISUZU (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
	5393CC (5.4L) 6BB1 Diesel	1977-1990	25	Pickup	2238CC (2.2L) C223 OHV Diesel	1981-1987	8
	5785CC (5.8L) 6BD1 Diesel	1977-1990	26	Pickup	2238CC (2.2L) C223T OHV Turbo Diesel	1986-1987	12
	6130CC (6.1L) 6BF1 Diesel	1980-1990	26				
Amigo	2254CC (2.3L) 4ZD1 SOHC	1989-1993	10	Pickup	2254CC (2.3L) 4ZD1 SOHC	1986-1995	10
Amigo	2559CC (2.6L) 4ZE1 SOHC	1989-1994	15	Pickup	2559CC (2.6L) 4ZE1 SOHC	1988-1995	15
Amigo	3165CC (3.2L) DOHC 6VD1	1998-2000	22	Pickup	3137CC (3.1L) CPC (LG6)	1991-1994	21
Ascender	254 CID (4.2L) LL8 -Vortec	2003-2004	23		Chevrolet		
Ascender	4200,DOHC,24v Chevrolet			QD130	5393CC (5.4L) 6BB1 Diesel	1972-1990	25
Ascender	325 CID (5.3L) Vortec 5300 Chevrolet	2003-2004	27	Rodeo	2559CC (2.6L) 4ZE1 SOHC	1991-1997	15
				Rodeo	3137CC (3.1L) CPC (LG6) Chevrolet	1991-1992	21
Axiom	3494CC (3.5L) 6VE1 DOHC	2002-2003	22				
Hombre	134 CID (2.2L) OHV Chevrolet	1996-2000	11	Rodeo	3165CC (3.2L) DOHC 6VD1	1998-2004	22
Hombre	262 CID (4.3L) Vortec 4300 Chevrolet	1997-2000	24	Rodeo	3165CC (3.2L) SOHC ISZ (6VD1)	1993-1997	22
I-Mark	1471CC (1.5L) 4XC1 SOHC	1985-1989	1	Rodeo Sport	3165CC (3.2L) DOHC 6VD1	2001-2003	22
I-Mark	1471CC (1.5L) 4XC1-T SOHC Turbo	1987-1989	1	SB I	1991CC (2.0L) C201PT Diesel		9
				SB ICD/ESPT	1991CC (2.0L) C201PT Diesel		9
I-Mark	1588CC (1.6L) 4XE1W DOHC	1989	3	Stylus	1588CC (1.6L) 4XE1W DOHC	1991	3
I-Mark	1817CC (1.8L) G180Z SOHC	1981-1985	6	Stylus	1588CC (1.6L) 4XE1 (RLR) SOHC 12 Valve	1991-1993	2
I-Mark	1817CC (1.8L) 4FB1 SOHC Diesel	1981-1984	5	Stylus	1809CC (1.8L) 4XF1 DOHC (RLX)	1992-1993	4
Impulse	1588CC (1.6L) 4XE1W DOHC	1990-1991	3				
Impulse	1588CC (1.6L) 4XE1WT DOHC Turbo	1991-1992	2	Super GS1250	1991CC (2.0L) C201PT Diesel		9
				Super NWD	1991CC (2.0L) C201PT Diesel		9
Impulse	1809CC (1.8L) 4XF1 DOHC (RLX)	1992	4	Super NWD/ESPT	1991CC (2.0L) C201PT Diesel		9
				Super UWD	1991CC (2.0L) C201PT Diesel		9
Impulse	1949CC (1.9L) G200Z SOHC	1983-1987	7	TWD	1991CC (2.0L) C201PT Diesel		9
Impulse	1994CC (2.0L) 4ZC1 SOHC Turbo	1985-1989	10	Trooper	3165CC (3.2L) DOHC 6VD1	1992-1995	22
				Trooper	3165CC (3.2L) SOHC ISZ (6VD1)	1992-1997	22
Impulse	2254CC (2.3L) 4ZD1 SOHC	1987-1989	10				
NPR	350 CID (5.7L) Fuel Injected Chevrolet	1993-2004	28	Trooper	3494CC (3.5L) 6VE1 DOHC	1998-2002	22
NPR	365 CID (6.0L) Vortec 6000 Chevrolet	2004	29	Trooper II	1949CC (1.9L) G200Z SOHC	1984-1985	7
				Trooper II	2238CC (2.2L) C223T OHV Turbo Diesel	1986-1987	12
NPR	3856CC (3.9L) 4BD1 OHV Diesel	1985-1993	20	Trooper II	2254CC (2.3L) 4ZD1 SOHC	1986-1987	10
NPR	3856CC (3.9L) 4BD1T OHV Diesel	1986-1991	20	Trooper II	2559CC (2.6L) 4ZE1 SOHC	1988-1991	15
				Trooper II	2827CC (2.8L) LL2 Chevrolet	1989-1991	21
NPR	3856CC (3.9L) 4BD2TC OHV Diesel	1992-1999	20	Vehi Cross	3494CC (3.5L) 6VE1 DOHC	1999-2001	22
				XNWD	1991CC (2.0L) C201PT Diesel		9
Pickup	1817CC (1.8L) G180Z SOHC	1981-1982	6	XNWD/ESPT	1991CC (2.0L) C201PT Diesel		9
Pickup	1949CC (1.9L) G200Z SOHC	1983-1987	7				

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3892671	3.484in./88.5mm	28	3923282	3.484in./88.5mm	28	FM3066	3.622in./92mm	8	FM3234	3.622in./92mm	8
3916396	3.484in./88.5mm	28	3946841	3.484in./88.5mm	28	FM3066	3.622in./92mm	12	FM3234	3.622in./92mm	12

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
4G1	3.110in./79mm	1	4XCIU	3.110in./79mm	1	306275	3.484in./88.5mm	28	3941184	3.484in./88.5mm	28
4G61	3.110in./79mm	1	4XCU	3.110in./79mm	1	306276	3.484in./88.5mm	28	4568749	3.484in./88.5mm	28
4G-3	3.110in./79mm	1	4XCUT	3.110in./79mm	1	310514	3.484in./88.5mm	28	AY	3.622in./92mm	8
4K05	3.110in./79mm	1	4ZE1	3.110in./79mm	1	565524DYNA	3.110in./79mm	1	AY	3.622in./92mm	12
4K	3.110in./79mm	1	5 E	3.110in./79mm	1	3732444	3.484in./88.5mm	28	KN224	3.031in./77mm	22
4XC1-U	3.110in./79mm	1	508E-6303	3.110in./79mm	1	3832442	3.484in./88.5mm	28			
4XC-U	3.110in./79mm	1	1182	3.484in./88.5mm	28	3912335	3.484in./88.5mm	28			
4XC-UT	3.110in./79mm	1	2690	3.484in./88.5mm	28	3932444	3.484in./88.5mm	28			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1471CC (1.5L) 4XC1 SOHC 4 Cyl (1985-1989)				3.031in./77mm x 3.110in./79mm			
	1471CC (1.5L) 4XC1-T SOHC Turbo Turbocharged 4 Cyl (1987-1989)				3.031in./77mm x 3.110in./79mm			
Rod Bearing(4)	TM-1	CB-1478P	STD.,.25mm,.50mm	1.5726/1.5734	0.0008/0.0025	0.0591	1.6922/1.6929	0.6690

ISUZU (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
1 (Cont.)	1471CC (1.5L) 4XC1 SOHC 4 Cyl (1985-1989)			3.031in./77mm x 3.110in./79mm			1 (Cont.)	
	1471CC (1.5L) 4XC1-T SOHC Turbo Turbocharged 4 Cyl (1987-1989)			3.031in./77mm x 3.110in./79mm				
Main Bearing Set 1-2-3-4-5	AL-3	MS-1776AL MB-3150AL	STD,.25mm,.50mm,.75mm	1.8873/1.8881	0.0008/0.0029	0.0787	2.0463/2.0472	0.6690
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-453S								
Thrust Washer Set		TW-453S MB-3150W	STD	2.1654			2.7559	0.0870
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1776AL								
C/S Forging	4K, 4G1, 5 E, 4G-3, 4G61, 4K05, 4XCUI, 4ZE1, 4XC-U, 4XCUI, 4XCUT, 4XC-UT, 4XC1-U, 508E-6303, 565524DYNA							
Connecting Rod	24 To 27 Lbs.Ft.							
Main Bearing	61 To 69 Lbs.Ft.							
2	1588CC (1.6L) 4XE1 (RLR) SOHC 12 Valve 4 Cyl (1991-1993)			3.150in./80mm x 3.110in./79mm			2	
	1588CC (1.6L) 4XE1WT DOHC Turbo Turbocharged 4 Cyl (1991-1992)			3.150in./80mm x 3.110in./79mm				
Rod Bearing(4)	TM-1	CB-1478P	STD,.25mm,.50mm	1.5726/1.5734	0.0008/0.0025	0.0591	1.6922/1.6929	0.6690
Main Bearing Set 1-2-3-4-5	TM-1	MS-2017P MB-3481P	STD,.25mm,.50mm	2.0440/2.0448	0.0008/0.0029	0.0793	2.2037/2.2047	0.6690
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-595S								
Thrust Washer Set		TW-595S MB-3481W	STD	2.3228			2.9016	0.0870
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-2017P								
Connecting Rod	24 To 27 Lbs.Ft.							
Main Bearing	61 To 69 Lbs.Ft.							
3	1588CC (1.6L) 4XE1W DOHC 4 Cyl (1989-1991)			3.150in./80mm x 3.110in./79mm			3	
Rod Bearing(4)	TM-1	CB-1478P	STD,.25mm,.50mm	1.5726/1.5734	0.0008/0.0025	0.0591	1.6922/1.6929	0.6690
Main Bearing Set 1-2-3-4-5		MS-1776AL MB-3150AL	STD,.25mm,.50mm,.75mm	1.8873/1.8881	0.0008/0.0029	0.0787	2.0463/2.0472	0.6690
NOTE: Thru 12/90, Requires Thrust Washer Set, Not Included, Use With Part Number TW-453S								
Main Bearing Set 1-2-3-4-5	TM-1	MS-2017P MB-3481P	STD,.25mm,.50mm	2.0440/2.0448	0.0008/0.0029	0.0793	2.2037/2.2047	0.6690
NOTE: From 12/90, Requires Thrust Washer Set, Not Included, Use With Part Number TW-595S								
Thrust Washer Set		TW-453S MB-3150W	STD	2.1654			2.7559	0.0870
NOTE: Thru 12/90, Contains 2 Pieces, Position Number 3, Use With Part Number MS-1776AL								
Thrust Washer Set		TW-595S MB-3481W	STD	2.3228			2.9016	0.0870
NOTE: From 12/90, Contains 2 Pieces, Position Number 3, Use With Part Number MS-2017P								
Connecting Rod	24 To 27 Lbs.Ft.							
Main Bearing	61 To 69 Lbs.Ft.							
4	1809CC (1.8L) 4XF1 DOHC (RLX) 4 Cyl (1992-1993)			3.150in./80mm x 3.543in./90mm			4	
Main Bearing Set 1-2-3-4-5	TM-1	MS-2017P MB-3481P	STD,.25mm,.50mm	2.0440/2.0448	0.0008/0.0029	0.0793	2.2037/2.2047	0.6690
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-595S								
Thrust Washer Set		TW-595S MB-3481W	STD	2.3228			2.9016	0.0870
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-2017P								
Connecting Rod	27 To 40 Lbs.Ft.							
Main Bearing	33 To 40 Lbs.Ft.							
5	1817CC (1.8L) 4FB1 SOHC Diesel 4 Cyl (1981-1984)			3.307in./84mm x 3.228in./82mm			5	
Rod Bearing(4)	TM-1	CB-1449P	STD,.25mm,.50mm,.75mm	1.9264/1.9268	0.0014/0.0029	0.0596	2.0464/2.0472	0.8710
Main Bearing Set 1-2-4-5	TM-1	MS-1669P MB-3051P	STD,10	2.2010/2.2020	0.0011/0.0028	0.0792	2.3614/2.3622	0.9060
3		MB-3052P		2.2010/2.2020	0.0011/0.0028	0.0792	2.3614/2.3622	0.9060
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Thrust Washer Set		TW-451S MB-3061W	STD	2.5197			3.1575	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1669P								

ISUZU (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
5 (Cont.)	1817CC (1.8L) 4FB1 SOHC Diesel 4 Cyl (1981-1984)			3.307in./84mm x 3.228in./82mm				5 (Cont.)
Cam Bearing Set 1-2-3-4-5	B-1	SH-1462S SH-1462	STD	1.1004/1.1014	0.0010/0.0035	0.0603	1.2205/1.2215	1.0530
Connecting Rod Main Bearing	58 To 65 Lbs.Ft. 72 To 80 Lbs.Ft.							
6	1817CC (1.8L) G180Z SOHC 4 Cyl (1981-1985)			3.307in./84mm x 3.228in./82mm				6
Rod Bearing(4)	TM-77	CB-1654P	STD,.25mm,.50mm,.75mm,1.00mm	1.9262/1.9268	0.0012/0.0040	0.0596	2.0466/2.0472	0.8460
Main Bearing Set 1-3-5 2-4	TM-1	MS-1298G MB-974G MB-975G	STD,.25mm,.50mm,.75mm,1.00mm	2.2016/2.2022 2.2016/2.2022	0.0009/0.0039 0.0009/0.0039	0.0596 0.0596	2.3220/2.3228 2.3220/2.3228	1.2600 0.8270
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Thrust Washer Set		TW-451S MB-3061W	STD	2.5197			3.1575	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1298G								
Connecting Rod Main Bearing	43 Lbs.Ft. 72 Lbs.Ft.							
7	1949CC (1.9L) G200Z SOHC 4 Cyl (1983-1987)			3.425in./87mm x 3.228in./82mm				7
Rod Bearing(4)	TM-77	CB-1654P	STD,.25mm,.50mm,.75mm,1.00mm	1.9262/1.9268	0.0012/0.0040	0.0596	2.0466/2.0472	0.8460
Main Bearing Set 1-3-5 2-4	TM-1	MS-1298G MB-974G MB-975G	STD,.25mm,.50mm,.75mm,1.00mm	2.2016/2.2022 2.2016/2.2022	0.0009/0.0039 0.0009/0.0039	0.0596 0.0596	2.3220/2.3228 2.3220/2.3228	1.2600 0.8270
NOTE: 1983-1985, Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Main Bearing Set 1-2-3-4-5	TM-1	MS-1775P MB-3061P	STD,.25mm,.50mm,.75mm	2.2016/2.2020	0.0013/0.0028	0.0596	2.3612/2.3622	0.8660
NOTE: 1986-1987, Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Thrust Washer Set		TW-451S MB-3061W	STD	2.5197			3.1575	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1298G, MS-1775P								
Connecting Rod Main Bearing	43 Lbs.Ft. 72 Lbs.Ft.							
8	119 CID/1951CC (2.0L) C190 Diesel 4 Cyl (1981-1984) 2238CC (2.2L) C223 OHV Diesel 4 Cyl (1981-1987)			3.385in./86mm x 3.307in./84mm 3.465in./88mm x 3.622in./92mm				8
Rod Bearing(4)	TM-1	CB-1093P	STD,.25mm,.50mm	2.0833/2.0838	0.0011/0.0028	0.0593	2.2041/2.2047	0.8870
Main Bearing Set 1-5 2-4 3	TM-1	MS-1738P MB-3157P MB-3158P MB-3159P	STD,.25mm,.50mm	2.3588/2.3595 2.3588/2.3595 2.3588/2.3595	0.0013/0.0039 0.0013/0.0039 0.0013/0.0039	0.0793 0.0793 0.0793	2.5189/2.5197 2.5189/2.5197 2.5189/2.5197	1.0830 0.9060 1.1260
NOTE: 119 CID/1951CC (2.0L) C190 (1984), 2238CC (2.2L) C223 OHV (1981-1987), Requires Thrust Washer Set, Not Included, Use With Part Number TW-470S								
Thrust Washer Set		TW-470S MB-3160W	STD	2.8760			3.4173	0.0980
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1738P								
Cam Bearing Set 1 2 3	B-1	SH-907S SH-907 SH-908 SH-909	STD	1.8876/1.8887 1.8882/1.8886 1.8882/1.8886	0.0012/0.0031 0.0012/0.0031 0.0012/0.0031	0.0790 0.0790 0.0790	2.0472/2.0486 2.0476/2.0484 2.0476/2.0484	0.9840 0.9840 0.9840
NOTE: 2238CC (2.2L) C223 OHV (1981-1982), 119 CID/1951CC (2.0L) C190 (1981-1982)								
Cam Bearing Set 1 2 3	B-1	SH-1457S SH-1457 SH-1458 SH-1459	STD	1.8876/1.8888 1.8876/1.8888 1.8876/1.8888	0.0007/0.0035 0.0007/0.0035 0.0007/0.0035	0.0797 0.0797 0.0797	2.0472/2.0486 2.0477/2.0486 2.0477/2.0486	0.8660 0.8660 0.8660
NOTE: 2238CC (2.2L) C223 OHV (1983-1987), 119 CID/1951CC (2.0L) C190 (1983-1984)								
Rod Forging C/S Forging	FM3066, FM3234 AY							

ISUZU (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
8 (Cont.)	119 CID/1951CC (2.0L) C190 Diesel 4 Cyl (1981-1984) 2238CC (2.2L) C223 OHV Diesel 4 Cyl (1981-1987)			3.385in./86mm x 3.307in./84mm 3.465in./88mm x 3.622in./92mm				8 (Cont.)
Connecting Rod		58 To 65 Lbs.Ft. (2238CC (2.2L) C223 OHV)						
Connecting Rod		60 Lbs.Ft. (119 CID/1951CC (2.0L) C190)						
Main Bearing		115 To 130 Lbs.Ft. (2238CC (2.2L) C223 OHV)						
Main Bearing		130 Lbs.Ft. (119 CID/1951CC (2.0L) C190)						
9	1991CC (2.0L) C201PT Diesel 4 Cyl			3.268in./83mm x 3.622in./92mm				9
Rod Bearing(4)	TM-77	CB-1093P	STD,.25mm,.50mm	2.0833/2.0838	0.0011/0.0028	0.0593	2.2041/2.2047	0.8870
Main Bearing Set	TM-77	MS-1293P	STD,.25mm,.50mm					
1-5		MB-953P		2.7527/2.7532	0.0011/0.0032	0.0790	2.9123/2.9133	1.2010
2-4		MB-954P		2.7527/2.7532	0.0011/0.0032	0.0790	2.9123/2.9133	0.8470
3		MB-955P		2.7527/2.7532	0.0011/0.0032	0.0790	2.9123/2.9133	1.4200
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-265S								
Thrust Washer Set		TW-265S	STD					
		MB-956W(U)		3.0709/3.0906	3.6339/3.6535			0.0980
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1293P								
Piston Pin Bushing	C-1	223-3554	STD	0.0590 1.1022/1.1024 1.3386				
10	1994CC (2.0L) 4ZC1 SOHC Turbo Turbocharged 4 Cyl (1985-1989) 2254CC (2.3L) 4ZD1 SOHC 4 Cyl (1986-1995)			3.465in./88mm x 3.228in./82mm 3.516in./89.3mm x 3.543in./90mm				10
Rod Bearing(4)	TM-77	CB-1654P	STD,.25mm,.50mm,.75mm,1.00mm	1.9262/1.9268	0.0012/0.0040	0.0596	2.0466/2.0472	0.8460
Main Bearing Set	TM-1	MS-1775P	STD,.25mm,.50mm,.75mm					
1-2-3-4-5		MB-3061P		2.2016/2.2020	0.0013/0.0028	0.0596	2.3612/2.3622	0.8660
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Thrust Washer Set		TW-451S	STD					
		MB-3061W		2.5197	3.1575			0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1775P								
Connecting Rod	43 Lbs.Ft.							
Main Bearing	72 Lbs.Ft.							
11	134 CID (2.2L) OHV Chevrolet 4 Cyl (1996-2000)			3.504in./89mm x 3.465in./88mm				11
Rod Bearing(4)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-1704P	STD,10,20,30					
1-2-3-5		MB-2854P		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.7420
4		MB-2883P(F)		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.9420
NOTE: 1996-1997								
Main Bearing Set	TM-77	MS-2205P	STD,10,20,30					
1-2-5		MB-2854P		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.7420
3		MB-3749P		2.4944/2.4954	0.0006/0.0036	0.0955	2.6870/2.6880	0.8190
4		MB-2883P(F)		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.9420
NOTE: 1998-2000								
Cam Bearing Set	AL-3	SH-1365S	STD					
1		SH-1365		1.8677/1.8697	0.0015/0.0041	0.0742	2.0190/2.0200	0.6340
2-5		SH-1364		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
3-4		SH-1363		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940
Connecting Rod	38 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							
12	2238CC (2.2L) C223T OHV Turbo Turbocharged Diesel 4 Cyl (1986-1987)			3.465in./88mm x 3.622in./92mm				12
Rod Bearing(4)	TM-1	CB-1093P	STD,.25mm,.50mm	2.0833/2.0838	0.0011/0.0028	0.0593	2.2041/2.2047	0.8870
Main Bearing Set	TM-1	MS-1738P	STD,.25mm,.50mm					
1-5		MB-3157P		2.3588/2.3595	0.0013/0.0039	0.0793	2.5189/2.5197	1.0830
2-4		MB-3158P		2.3588/2.3595	0.0013/0.0039	0.0793	2.5189/2.5197	0.9060
3		MB-3159P		2.3588/2.3595	0.0013/0.0039	0.0793	2.5189/2.5197	1.1260
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-470S								
Thrust Washer Set		TW-470S	STD					
		MB-3160W		2.8760	3.4173			0.0980
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1738P								
Cam Bearing Set	B-1	SH-1457S	STD					
1		SH-1457		1.8876/1.8888	0.0007/0.0035	0.0797	2.0472/2.0486	0.8660
2		SH-1458		1.8876/1.8888	0.0007/0.0035	0.0797	2.0477/2.0486	0.8660
3		SH-1459		1.8876/1.8888	0.0007/0.0035	0.0797	2.0477/2.0486	0.8660

ISUZU (Cont.)

ISUZU (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
12 (Cont.)	2238CC (2.2L) C223T OHV Turbo Turbocharged Diesel 4 Cyl (1986-1987)				3.465in./88mm x 3.622in./92mm			12 (Cont.)
Rod Forging	FM3066, FM3234							
C/S Forging	AY							
Connecting Rod	58 To 65 Lbs.Ft.							
Main Bearing	115 To 130 Lbs.Ft.							
13	144 CID/2369CC (2.4L) C240 Diesel 4 Cyl (1969-1985)				3.386in./86mm x 4.016in./102mm			13
Rod Bearing(4)	TM-77	CB-1093P	STD,.25mm,.50mm	2.0833/2.0838	0.0011/0.0028	0.0593	2.2041/2.2047	0.8870
Main Bearing Set	TM-77	MS-1293P	STD,.25mm,.50mm					
1-5		MB-953P		2.7527/2.7532	0.0011/0.0032	0.0790	2.9123/2.9133	1.2010
2-4		MB-954P		2.7527/2.7532	0.0011/0.0032	0.0790	2.9123/2.9133	0.8470
3		MB-955P		2.7527/2.7532	0.0011/0.0032	0.0790	2.9123/2.9133	1.4200
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-265S								
Thrust Washer Set		TW-265S	STD					
		MB-956W(U)		3.0709/3.0906			3.6339/3.6535	0.0980
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1293P								
Cam Bearing Set	B-1	SH-907S	STD					
1		SH-907		1.8876/1.8887	0.0012/0.0031	0.0790	2.0472/2.0486	0.9840
2		SH-908		1.8882/1.8886	0.0012/0.0031	0.0790	2.0476/2.0484	0.9840
3		SH-909		1.8882/1.8886	0.0012/0.0031	0.0790	2.0476/2.0484	0.9840
Piston Pin Bushing(4)	B	223-3637	STD			0.0996	1.4972/1.4982	1.4960
Connecting Rod	60 Lbs.Ft.							
Main Bearing	130 Lbs.Ft.							
14	2499CC (2.5L) 4JA1 Diesel 4 Cyl (1985-1990)				3.661in./93mm x 3.622in./92mm			14
Rod Bearing(4)	TM-1	CB-1450P	STD,.25mm,.50mm,.75mm	2.0834/2.0839	0.0012/0.0026	0.0596	2.2041/2.2047	1.0000
Main Bearing Set	TM-1	MS-1799P	STD,.25mm,.50mm,.75mm					
1-2-3-4-5		MB-3160P		2.3587/2.3595	0.0014/0.0031	0.0788	2.5187/2.5197	0.9060
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-470S								
Thrust Washer Set		TW-470S	STD					
		MB-3160W		2.8760			3.4173	0.0980
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1799P								
Cam Bearing Set	B-1	SH-1463S	STD					
1		SH-1463		1.9665/1.9675	0.0010/0.0033	0.0797	2.1264/2.1274	0.9840
2-3		SH-1464		1.9665/1.9675	0.0010/0.0033	0.0797	2.1264/2.1274	0.8660
Connecting Rod	59 To 65 Lbs.Ft.							
Main Bearing	123 Lbs.Ft.							
15	2559CC (2.6L) 4ZE1 SOHC 4 Cyl (1988-1997)				3.646in./92.6mm x 3.736in./95mm			15
Rod Bearing(4)	AL-3	CB-1480AL	STD,.25mm,.50mm	1.9262/1.9268	0.0010/0.0026	0.0596	2.0466/2.0474	0.8320
Main Bearing Set	TM-1	MS-1821AL	STD,.25mm,.50mm					
1-2-3-4-5		MB-3210AL		2.2016/2.2022	0.0012/0.0028	0.0791	2.3614/2.3622	0.8610
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Thrust Washer Set		TW-451S	STD					
		MB-3061W		2.5197			3.1575	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1821AL								
Connecting Rod	43 Lbs.Ft.							
Main Bearing	72 Lbs.Ft.							
16	2771CC (2.8L) 4JB1 Diesel 4 Cyl (1985-1990)				3.661in./93mm x 3.622in./92mm			16
Rod Bearing(4)	TM-1	CB-1450P	STD,.25mm,.50mm,.75mm	2.0834/2.0839	0.0012/0.0026	0.0596	2.2041/2.2047	1.0000
Main Bearing Set	TM-1	MS-1800P	STD,.25mm					
1-2-3-4-5		MB-3161P		2.7526/2.7532	0.0014/0.0031	0.0788	2.9124/2.9134	0.9060
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-265S								
Thrust Washer Set		TW-265S	STD					
		MB-956W(U)		3.0709/3.0906			3.6339/3.6535	0.0980
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1800P								
Cam Bearing Set	B-1	SH-1463S	STD					
1		SH-1463		1.9665/1.9675	0.0010/0.0033	0.0797	2.1264/2.1274	0.9840
2-3		SH-1464		1.9665/1.9675	0.0010/0.0033	0.0797	2.1264/2.1274	0.8660

ISUZU (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
16 (Cont.)	2771CC (2.8L) 4JB1 Diesel 4 Cyl (1985-1990)				3.661in./93mm x 3.622in./92mm			16 (Cont.)
Connecting Rod	59 To 65 Lbs.Ft.							
Main Bearing	123 Lbs.Ft.							
17	2775CC (2.8L) 4BA1 Diesel 4 Cyl (1973-1990)				3.858in./98mm x 3.622in./92mm			17
Rod Bearing(4)	TM-1	CB-1095P	STD.,25mm.,50mm.,75mm	2.5165/2.5175	0.0012/0.0029	0.0793	2.6770/2.6778	1.1730
Main Bearing Set 1-2-3-4-5	TM-1	MS-1707P MB-3113P	STD.,25mm.,50mm	2.9882/2.9892	0.0010/0.0030	0.0994	3.1887/3.1897	1.0940
NOTE: 1973-1977, Requires Thrust Washer Set, Not Included, Use With Part Number TW-365S								
Main Bearing Set 1-2-4-5	TM-1	MS-1751P MB-3133P MB-3134P	STD.,25mm	2.9882/2.9892 2.9882/2.9892	0.0010/0.0030 0.0010/0.0030	0.0994 0.0994	3.1890/3.1897 3.1890/3.1897	1.0940 1.0940
NOTE: 1981-1990, Requires Thrust Washer Set, Not Included, Use With Part Number TW-365S,TW-368S								
Thrust Washer Set		TW-365S MB-3113W(L) MB-3113W(U)	STD	3.3268 3.3268			3.9764 3.9764	0.0980 0.0980
NOTE: 1973-1984, Contains 4 Pieces, Position Number 4, Use With Part Number MS-1707P,MS-1751P								
Thrust Washer Set		TW-368S MB-2851W(L) MB-2851W(U)	STD	3.4646 3.4646			3.9764 3.9764	0.0980 0.0980
NOTE: 1985-1990, Contains 4 Pieces, Position Number 4, Use With Part Number MS-1751P								
Cam Bearing Set 1	B-1	SH-906S SH-905 SH-906	STD	2.2023/2.2035 2.2023/2.2035	0.0012/0.0035 0.0012/0.0035	0.0785 0.0785	2.3634/2.3640 2.3634/2.3640	0.7870 0.7870
NOTE: 1973-1976								
Cam Bearing Set 1	B-1	SH-1431S SH-905 SH-906	STD	2.2023/2.2035 2.2023/2.2035	0.0012/0.0035 0.0012/0.0035	0.0785 0.0785	2.3634/2.3640 2.3634/2.3640	0.7870 0.7870
NOTE: 1977-1990								
Piston Pin Bushing(4)	B	223-3614	STD			0.0996	1.4972	1.4960
Connecting Rod	76 Lbs.Ft.							
Main Bearing	175 Lbs.Ft.							
18	3268CC (3.3L) 4BC1 Diesel 4 Cyl (1979-1984)				4.016in./102mm x 3.937in./100mm			18
Rod Bearing(4)	TM-1	CB-1095P	STD.,25mm.,50mm.,75mm	2.5165/2.5175	0.0012/0.0029	0.0793	2.6770/2.6778	1.1730
Main Bearing Set 1-2-4-5	TM-1	MS-1751P MB-3133P MB-3134P	STD.,25mm	2.9882/2.9892 2.9882/2.9892	0.0010/0.0030 0.0010/0.0030	0.0994 0.0994	3.1890/3.1897 3.1890/3.1897	1.0940 1.0940
NOTE: 1981-1984, Requires Thrust Washer Set, Not Included, Use With Part Number TW-368S								
Thrust Washer Set		TW-368S MB-2851W(L) MB-2851W(U)	STD	3.4646 3.4646			3.9764 3.9764	0.0980 0.0980
NOTE: 1981-1984, Contains 4 Pieces, Position Number 4, Use With Part Number MS-1751P								
Cam Bearing Set 1	B-1	SH-1431S SH-905 SH-906	STD	2.2023/2.2035 2.2023/2.2035	0.0012/0.0035 0.0012/0.0035	0.0785 0.0785	2.3634/2.3640 2.3634/2.3640	0.7870 0.7870
Piston Pin Bushing(4)	B	223-3614	STD			0.0996	1.4972	1.4960
Connecting Rod	76 Lbs.Ft.							
Main Bearing	175 Lbs.Ft.							
19	3595CC (3.6L) 4BB1 Diesel 4 Cyl (1973-1990)				4.016in./102mm x 4.331in./110mm			19
Rod Bearing(4)	TM-1	CB-1095P	STD.,25mm.,50mm.,75mm	2.5165/2.5175	0.0012/0.0029	0.0793	2.6770/2.6778	1.1730

ISUZU (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
19 (Cont.)	3595CC (3.6L) 4BB1 Diesel 4 Cyl (1973-1990)			4.016in./102mm x 4.331in./110mm				19 (Cont.)
Main Bearing Set 1-2-3-4-5	TM-1	MS-1707P MB-3113P	STD,.25mm,.50mm	2.9882/2.9892	0.0010/0.0030	0.0994	3.1887/3.1897	1.0940
NOTE: 1973-1977, Requires Thrust Washer Set, Not Included, Use With Part Number TW-365S								
Main Bearing Set 1-2-4-5 3	TM-1	MS-1751P MB-3133P MB-3134P	STD,.25mm	2.9882/2.9892 2.9882/2.9892	0.0010/0.0030 0.0010/0.0030	0.0994 0.0994	3.1890/3.1897 3.1890/3.1897	1.0940 1.0940
NOTE: 1981-1990, Requires Thrust Washer Set, Not Included, Use With Part Number TW-365S,TW-368S								
Thrust Washer Set		TW-365S MB-3113W(L) MB-3113W(U)	STD	3.3268 3.3268			3.9764 3.9764	0.0980 0.0980
NOTE: 1973-1984, Contains 4 Pieces, Position Number 4, Use With Part Number MS-1707P,MS-1751P								
Thrust Washer Set		TW-368S MB-2851W(L) MB-2851W(U)	STD	3.4646 3.4646			3.9764 3.9764	0.0980 0.0980
NOTE: 1985-1990, Contains 4 Pieces, Position Number 4, Use With Part Number MS-1751P								
Cam Bearing Set 1 2-3-4	B-1	SH-906S SH-905 SH-906	STD	2.2023/2.2035 2.2023/2.2035	0.0012/0.0035 0.0012/0.0035	0.0785 0.0785	2.3634/2.3640 2.3634/2.3640	0.7870 0.7870
NOTE: 1973-1976								
Cam Bearing Set 1 2-3	B-1	SH-1431S SH-905 SH-906	STD	2.2023/2.2035 2.2023/2.2035	0.0012/0.0035 0.0012/0.0035	0.0785 0.0785	2.3634/2.3640 2.3634/2.3640	0.7870 0.7870
NOTE: 1977-1990								
Connecting Rod Main Bearing	76 Lbs.Ft. 175 Lbs.Ft.							
20	3856CC (3.9L) 4BD1 OHV Diesel 4 Cyl (1985-1990) 3856CC (3.9L) 4BD1T OHV Turbocharged Diesel 4 Cyl (1986-1991) 3856CC (3.9L) 4BD2TC OHV Turbocharged/Intercooled Diesel 4 Cyl (1992-1999)			4.016in./102mm x 4.646in./118mm 4.016in./102mm x 4.646in./118mm 4.016in./102mm x 4.646in./118mm				20
Rod Bearing(4)	TM-1	CB-1095P	STD,.25mm,.50mm,.75mm	2.5165/2.5175	0.0012/0.0029	0.0793	2.6770/2.6778	1.1730
Main Bearing Set 1-2-4-5 3	TM-1	MS-1752P MB-3148P MB-3149P	STD,.25mm,.50mm	3.1464/3.1471 3.1464/3.1471	0.0013/0.0034 0.0013/0.0034	0.0991 0.0991	3.3464/3.3472 3.3464/3.3472	1.0500 1.0500
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-368S								
Thrust Washer Set		TW-368S MB-2851W(L) MB-2851W(U)	STD	3.4646 3.4646			3.9764 3.9764	0.0980 0.0980
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1752P								
Cam Bearing Set 1 2-3	B-1	SH-1431S SH-905 SH-906	STD	2.2023/2.2035 2.2023/2.2035	0.0012/0.0035 0.0012/0.0035	0.0785 0.0785	2.3634/2.3640 2.3634/2.3640	0.7870 0.7870
Piston Pin Bushing		223-3615	STD			0.0602	1.4961/1.4971	1.4960
Connecting Rod Main Bearing	90 Lbs.Ft. 180 Lbs.Ft.							
6 CYL								
21	2827CC (2.8L) LL2 Chevrolet V6 Cyl (1989-1991) 3137CC (3.1L) CPC (LG6) Chevrolet V6 Cyl (1991-1994)			3.500in./88.9mm x 2.992in./76mm 3.504in./89mm x 3.307in./84mm				21
Rod Bearing(6)	AL-5	CB-1238A-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0623	2.1245/2.1255	0.7205
Rod Bearing(6)	TM-77	CB-1238P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	1.9984/1.9994	0.0005/0.0035	0.0623	2.1245/2.1255	0.7205
Rod Bearing(6)	AL-5	CB-1797A-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0633	2.1265/2.1275	0.7205
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1797P-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0633	2.1265/2.1275	0.7205
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								

ISUZU (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
21 (Cont.)	2827CC (2.8L) LL2 Chevrolet V6 Cyl (1989-1991)			3.500in./88.9mm x 2.992in./76mm				21 (Cont.)
	3137CC (3.1L) CPC (LG6) Chevrolet V6 Cyl (1991-1994)			3.504in./89mm x 3.307in./84mm				
Main Bearing Set	AL-5	MS-2037A-.25mm	.50mm,.75mm					
1-4		MB-3511A		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9770
2		MB-3512A		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.7380
3		MB-3513A(F)		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9420
Main Bearing Set	TM-77	MS-2037P	STD,.25mm,.50mm,.75mm,1.00mm					
1-4		MB-3511P		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9770
2		MB-3512P		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.7380
3		MB-3513P(F)		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9420
Cam Bearing Set	C-1	SH-1364S	STD					
1		SH-1362		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
2-3		SH-1363		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940
4		SH-1364		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
22	3165CC (3.2L) DOHC 6VD1 V6 Cyl (1992-2002)			3.677in./93.4mm x 3.031in./77mm				22
	3165CC (3.2L) SOHC ISZ (6VD1) V6 Cyl (1992-1997)			3.677in./93.4mm x 3.031in./77mm				
	3494CC (3.5L) 6VE1 DOHC V6 Cyl (1998-2002)			3.677in./93.4mm x 3.346in./85mm				
Rod Bearing(6)	TM-1	CB-1830P	STD,.25mm,.50mm	2.1229/2.1235	0.0007/0.0031	0.0596	2.2434/2.2441	0.6740
NOTE: 3165CC (3.2L) DOHC 6VD1 (1998-2002;1992-1995),3165CC (3.2L) SOHC ISZ (6VD1) (1992-1997),3494CC (3.5L)6VE1 DOHC (1998-2002)								
Main Bearing Set	TM-1	MS-2236P	STD,.25mm,.50mm					
1-4		MB-3805P		2.5165/2.5170	0.0010/0.0033	0.0995	2.7157/2.7165	0.7280
2-3		MB-3806P		2.5165/2.5170	0.0010/0.0033	0.0995	2.7157/2.7165	0.6500
NOTE: 3165CC (3.2L) DOHC 6VD1 (1998-2002;1992-1995),3165CC (3.2L) SOHC ISZ (6VD1) (1992-1997),3494CC (3.5L)6VE1 DOHC (1998-2002), Requires Thrust Washer Set, Not Included, Use With Part Number TW-615S								
Thrust Washer Set		TW-615S	STD					
		MB-3807W		2.7953/2.8051				0.0770
NOTE: 3165CC (3.2L) DOHC 6VD1 (1998-2002;1992-1995),3165CC (3.2L) SOHC ISZ (6VD1) (1992-1997),3494CC (3.5L)6VE1 DOHC (1998-2002), Contains 2 Pieces, Use With Part Number MS-2236P								
C/S Forging KN224								
23	254 CID (4.2L) LL8 -Vortec 4200,DOHC,24v Chevrolet 6 Cyl (2003-2005)			3.661in./93mm x 4.016in./102mm				23
Rod Bearing(6)	TM-77	CB-1811P	STD,10,20	2.2319/2.2325	0.0002/0.0024	0.0711	2.3749/2.3755	0.8110
Rod Bearing(6)	TM-77	CB-1816P-10	20	2.2319/2.2325	0.0002/0.0024	0.0721	2.3769/2.3775	0.8110
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-3	MS-2224AL	STD,10,20					
1-2-3-4-6-7		MB-3781P		2.7546/2.7552	0.0003/0.0020	0.1592	3.0736/3.0743	0.8141
5		MB-3782P(F)		2.7546/2.7552	0.0003/0.0020	0.1592	3.0736/3.0743	0.9980
Piston Pin Bushing(6)	C-1	223-3664						
24	262 CID (4.3L) Vortec 4300 Chevrolet V6 Cyl (1997-2000)			4.000in./101.6mm x 3.484in./88.5mm				24
Rod Bearing(6)	AL-5	CB-1358A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	TM-77	CB-1358P	STD,1,10,20,30,40	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	AL-5	CB-1794A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1794P-10	20,30,40	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-1454A-10	20,30					
1-2-3		MB-2508A		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set	TM-77	MS-1454P	STD,1,10,20,30,40					
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set	TM-77	MS-1628P-10	20,30					
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								

ISUZU (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
24 (Cont.)	262 CID (4.3L) Vortec 4300 Chevrolet V6 Cyl (1997-2000)			4.000in./101.6mm x 3.484in./88.5mm				24 (Cont.)
Main Bearing Set 1-2-3 4	TM-77	MS-1684P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-2215P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-4 3	AL-3	SH-1350S SH-1349 SH-1350 SH-1351	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: Except Engines Stamped With Identification Number Located On Front Of Block Starting With "T"								
Cam Bearing Set 1-4 2 3	AL-3	SH-1351S SH-1349 SH-1351 SH-1350	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0644 0.0694	2.0190/2.0210 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500
NOTE: Engines Stamped With Identification Number On Front Of Block Starting With "T"								
Balance Shaft Bearing Set Rear		SH-1798S SH-1798	STD	1.4986/1.5000	0.0005/0.0051	0.1866	1.8375/1.8745	0.8400
NOTE: Except Engines With Roller Bearings, Rear								
25	5393CC (5.4L) 6BB1 Diesel 6 Cyl (1972-1990)			4.016in./102mm x 4.331in./110mm				25
Rod Bearing(6)	TM-1	CB-1095P	STD,.25mm,.50mm,.75mm	2.5165/2.5175	0.0012/0.0029	0.0793	2.6770/2.6778	1.1730
Main Bearing Set 1-2-3-4-5-6-7	TM-1	MS-1787P MB-3113P	STD,.25mm,.50mm	2.9882/2.9892	0.0010/0.0030	0.0994	3.1887/3.1897	1.0940
NOTE: 1972-1976, Requires Thrust Washer Set, Not Included, Use With Part Number TW-365S								
Main Bearing Set 1-2-3-4-5-6-7	TM-1	MS-1798P MB-3149P	STD,.25mm,.50mm	3.1464/3.1471	0.0013/0.0034	0.0991	3.3464/3.3472	1.0500
NOTE: 1980-1990, Requires Thrust Washer Set, Not Included, Use With Part Number TW-368S								
Thrust Washer Set		TW-365S MB-3113W(L) MB-3113W(U)	STD	3.3268 3.3268			3.9764 3.9764	0.0980 0.0980
NOTE: 1972-1976, Contains 4 Pieces, Position Number 4, Use With Part Number MS-1787P								
Thrust Washer Set		TW-368S MB-2851W(L) MB-2851W(U)	STD	3.4646 3.4646			3.9764 3.9764	0.0980 0.0980
NOTE: 1977-1990, Contains 4 Pieces, Position Number 4, Use With Part Number MS-1798P								
Cam Bearing Set 1 2-3-4-5-6	B-1	SH-905S SH-905 SH-906	STD	2.2023/2.2035 2.2023/2.2035	0.0012/0.0035 0.0012/0.0035	0.0785 0.0785	2.3634/2.3640 2.3634/2.3640	0.7870 0.7870
Piston Pin Bushing(6)	B	223-3615	STD			0.0602	1.4961/1.4971	1.4960
Connecting Rod Main Bearing	90 Lbs.Ft. 180 Lbs.Ft.							
26	5785CC (5.8L) 6BD1 Diesel 6 Cyl (1977-1990) 6130CC (6.1L) 6BF1 Diesel 6 Cyl (1980-1990)			4.016in./102mm x 4.646in./118mm 4.016in./102mm x 4.724in./120mm				26
Rod Bearing(6)	TM-1	CB-1095P	STD,.25mm,.50mm,.75mm	2.5165/2.5175	0.0012/0.0029	0.0793	2.6770/2.6778	1.1730
Main Bearing Set 1-2-3-4-5-6-7	TM-1	MS-1798P MB-3149P	STD,.25mm,.50mm	3.1464/3.1471	0.0013/0.0034	0.0991	3.3464/3.3472	1.0500
NOTE: 5785CC (5.8L) 6BD1 (1980-1990), 6130CC (6.1L) 6BF1 (1980-1990), Requires Thrust Washer Set, Not Included, Use With Part Number TW-368S								

ISUZU (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
26 (Cont.)	5785CC (5.8L) 6BD1 Diesel 6 Cyl (1977-1990)			4.016in./102mm x 4.646in./118mm				26 (Cont.)
	6130CC (6.1L) 6BF1 Diesel 6 Cyl (1980-1990)			4.016in./102mm x 4.724in./120mm				
Thrust Washer Set		TW-368S	STD					
		MB-2851W(L)		3.4646			3.9764	0.0980
		MB-2851W(U)		3.4646			3.9764	0.0980
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1798P								
Cam Bearing Set 1	B-1	SH-905S	STD	2.2023/2.2035	0.0012/0.0035	0.0785	2.3634/2.3640	0.7870
2-3-4-5-6		SH-905 SH-906		2.2023/2.2035	0.0012/0.0035	0.0785	2.3634/2.3640	0.7870
Piston Pin Bushing(6)	B	223-3615	STD			0.0602	1.4961/1.4971	1.4960
Connecting Rod Main Bearing	90 Lbs.Ft. 180 Lbs.Ft.							
8 CYL								
27	325 CID (5.3L) Vortec 5300 Chevrolet V8 Cyl (2003-2004)			3.780in./96mm x 3.622in./92mm				27
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2004								
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2004								
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2004, Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2004, Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	TM-77	MS-2199P	STD,10,20,30	2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	0.8050
3		MB-3591P MB-3592P(F)		2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	1.0280
NOTE: 2004								
Cam Bearing Set 1-5	B-1	SH-1995S	STD	2.1650/2.1670	0.0011/0.0063	0.0890	2.3460/2.3480	0.6350
2-4		SH-1995 SH-1814		2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
3		SH-1816		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
NOTE: 2004;2003, 2nd Design; Positions 1 And 5 Housing Bore is 2.3460"/2.3480"								
28	350 CID (5.7L) Fuel Injected Chevrolet V8 Cyl (1993-2002)			4.000in./101.6mm x 3.484in./88.5mm				28
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4	AL-5	MS-909A-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508A MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set 1-2-3-4	TM-77	MS-909P	STD,1,2,10,20,30,40,C60	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1626P-10	20,30,40	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1683P-20		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P MB-3060P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1744P-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P MB-3119P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								

ISUZU (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
28 (Cont.)	350 CID (5.7L) Fuel Injected Chevrolet V8 Cyl (1993-2002)				4.000in./101.6mm x 3.484in./88.5mm			28 (Cont.)
Cam Bearing Set 1	B-1	SH-290S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-288		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
Cam Bearing Set 1	AL-3	SH-1349S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3892671, 3916396, 3923282, 3946841							
C/S Forging	1182, 2690, 306275, 306276, 310514, 3732444, 3832442, 3912335, 3932444, 3941184, 4568749							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
29	365 CID (6.0L) Vortec 6000 Chevrolet V8 Cyl (2004)				4.000in./101.6mm x 3.622in./92mm			29
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	TM-77	MS-2199P	STD,10,20,30	2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	0.8050
3		MB-3591P		2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	1.0280
		MB-3592P(F)						
Cam Bearing Set 1-5	B-1	SH-1995S	STD	2.1650/2.1670	0.0011/0.0063	0.0890	2.3460/2.3480	0.6350
2-4		SH-1995		2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
3		SH-1814		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
		SH-1816						
Piston Pin Bushing(8)	C-1	223-3663						
JAGUAR								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
6 CYL				6 CYL (Cont.)				
2483CC (2.5L) DOHC	1955-1967	2.835in./72mmX2.992in./76mm	1	4235CC (4.2L) DOHC	1969-1987	3.622in./92mmX4.173in./106mm	1	
3442CC (3.4L) DOHC	1948-1967	2.835in./72mmX4.173in./106mm	1					
3590CC (3.6L) DOHC	1988-1989	3.583in./91mmX3.622in./92mm	2					
3781CC (3.8L) DOHC	1958-1967	3.622in./92mmX4.173in./106mm	1					
4235CC (4.2L)	1964-1967	3.622in./92mmX4.173in./106mm	1	5343CC (5.3L)	1971-1992	3.543in./90mmX2.756in./70mm	3	
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
420	4235CC (4.2L)	1967	1	XJ6C	4235CC (4.2L) DOHC	1975-1977	1	
420G	4235CC (4.2L)	1967	1	XJ6L	4235CC (4.2L) DOHC	1974-1978	1	
Mark	2483CC (2.5L) DOHC	1955-1967	1	XJ12	5343CC (5.3L)	1973-1974	3	
Mark	3442CC (3.4L) DOHC	1950-1967	1	XJ12C	5343CC (5.3L)	1974-1977	3	
Mark	3781CC (3.8L) DOHC	1958-1967	1	XJ12L	5343CC (5.3L)	1974-1979	3	
Mark X	3781CC (3.8L) DOHC	1961-1965	1	XJ	4235CC (4.2L) DOHC	1969-1971	1	
Mark X	4235CC (4.2L)	1964-1966	1	XJS	5343CC (5.3L)	1976-1992	3	
XJ6	3590CC (3.6L) DOHC	1988-1989	2	XJSC	5343CC (5.3L)	1987	3	
XJ6	4235CC (4.2L) DOHC	1972-1987	1	XK	3442CC (3.4L) DOHC	1948-1961	1	

JAGUAR (Cont.)

MODEL DATA (Cont.)							
Model	Engine	Years	Block	Model	Engine	Years	Block
XK	3781CC (3.8L) DOHC	1959-1961	1	XKE	4235CC (4.2L) DOHC	1969-1971	1
XKE	3781CC (3.8L) DOHC	1962-1964	1	XKE	5343CC (5.3L)	1971-1974	3

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

6 CYL

1	2483CC (2.5L) DOHC 6 Cyl (1955-1967)	2.835in./72mm x 2.992in./76mm	1
	3442CC (3.4L) DOHC 6 Cyl (1948-1967)	2.835in./72mm x 4.173in./106mm	
	3781CC (3.8L) DOHC 6 Cyl (1958-1967)	3.622in./92mm x 4.173in./106mm	
	4235CC (4.2L) 6 Cyl (1964-1967)	3.622in./92mm x 4.173in./106mm	
	4235CC (4.2L) DOHC 6 Cyl (1969-1987)	3.622in./92mm x 4.173in./106mm	

Rod Bearing(6)	TM-1	CB-1465P	STD,10,20	2.0856/2.0861	0.0010/0.0025	0.0725	2.2330/2.2335	0.9750

Thrust Washer Set	TW-102S	STD						0.0930
	MB-3182W							

NOTE: Contains 2 Pieces, Position Number 4

Cam Bearing Set 1-2-3-4	B-1	SH-1475S	STD	0.9990/0.9995	0.0010/0.0020	0.0750	1.1505/1.1510	1.3170
		SH-1475						

NOTE: Contains Bearings For Both Camshafts

Connecting Rod	36 To 38 Lbs.Ft. (4235CC (4.2L) ,4235CC (4.2L) DOHC)							

Connecting Rod	37 Lbs.Ft. (2483CC (2.5L) DOHC,3442CC (3.4L) DOHC,3781CC (3.8L) DOHC)							

Main Bearing	69 To 72 Lbs.Ft. (4235CC (4.2L) ,4235CC (4.2L) DOHC)							

Main Bearing	83 Lbs.Ft. (2483CC (2.5L) DOHC,3442CC (3.4L) DOHC,3781CC (3.8L) DOHC)							

2	3590CC (3.6L) DOHC 6 Cyl (1988-1989)	3.583in./91mm x 3.622in./92mm						2

Rod Bearing(6)	TM-1	CB-1498P	STD	2.0856/2.0861	0.0034/0.0054	0.0720	2.2330/2.2335	0.9750

12 CYL

3	5343CC (5.3L) V12 Cyl (1971-1992)	3.543in./90mm x 2.756in./70mm						3

Rod Bearing(12)	TM-1	CB-1466P	STD	2.2994/2.3000	0.0015/0.0030	0.0693	2.4409/2.4415	0.7300

Main Bearing Set 1-2-3-5-6	TM-1	MS-1811P	STD	3.0007/3.0012	0.0015/0.0030	0.0820	3.1665/3.1670	0.9730

4		MB-3184P		3.0007/3.0012	0.0015/0.0030	0.0820	3.1665/3.1670	1.2000

7		MB-3185P		3.0007/3.0012	0.0015/0.0030	0.0820	3.1665/3.1670	1.2000

		MB-3186P		3.0007/3.0012	0.0015/0.0030	0.0820	3.1665/3.1670	1.2000

NOTE: Requires Thrust Washer Set, Not Included

Connecting Rod	40 To 41 Lbs.Ft.							

Main Bearing	27 To 28 Lbs.Ft. (3/8" Nuts)							

Main Bearing	59 To 62 Lbs.Ft.							

JEEP

ENGINE DATA

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				6 CYL (Cont.)			
126 CID (2.1L) Turbo Renault Turbocharged Diesel	1985-1990	3.386in./86mmX3.504in./89mm	1	230 CID (3.8L) Tornado	1962-1968	3.344in./84.9mmX4.375in./111.1mm	11
134 CID (2.2L) F-Head	1950-1973	3.125in./79.4mmX4.375in./111.1mm	2	232 CID (3.8L) American Motors	1965-1978	3.750in./95.3mmX3.500in./88.9mm	12
134 CID (2.2L) L-Head	1939-1966	3.125in./79.4mmX4.375in./111.1mm	2	242 CID (4.0L)	1987-2001	3.875in./98.4mmX3.406in./86.5mm	13
150 CID (2.5L)	1983-2002	3.875in./98.4mmX3.190in./81.03mm	3	258 CID (4.2L) American Motors	1971-1990	3.750in./95.3mmX3.906in./99.2mm	12
151 CID (2.5L) Carbureted Pontiac	1980-1983	4.000in./101.6mmX3.000in./76.2mm	4	8 CYL			
192 CID (3.1L) 4-192 Perkins Diesel	1968	3.504in./89mmX5.000in./127mm	5	287 CID (4.7L) SOHC Chrysler	1999-2005	3.661in./93mmX3.406in./86.5mm	14
6 CYL				287 CID (4.7L) SOHC High Output Chrysler	2002-2004	3.661in./93mmX3.406in./86.5mm	15
173 CID (2.8L) Chevrolet	1984-1987	3.504in./89mmX2.992in./76mm	6	304 CID (5.0L) American Motors	1971-1981	3.750in./95.3mmX3.438in./87.33mm	16
225 CID (3.7L) Buick	1966-1971	3.750in./95.3mmX3.400in./86.4mm	7	318 CID (5.2L) Chrysler	1993-1998	3.910in./99.3mmX3.313in./84.2mm	17
226 CID (3.7L) Continental	1947-1963	3.313in./84.1mmX4.375in./111.1mm	8	327 CID (5.4L)	1965-1970	4.000in./101.6mmX3.250in./82.6mm	18
226 CID (3.7L) Flat Head Continental	1947-1954	3.313in./84.1mmX4.375in./111.1mm	8	345 CID (5.7L) EZB Hemi Chrysler	2005	3.917in./99.5mmX3.578in./90.8mm	19
226 CID (3.7L) Flat Head Continental Supercharged	1954	3.313in./84.1mmX4.375in./111.1mm	9	350 CID (5.7L) Buick	1968-1971	3.800in./96.5mmX3.850in./97.8mm	20
226 CID/3701CC (3.7L) EKG SOHC 12 Valve Chrysler	2002-2005	3.661in./93mmX3.575in./90.8mm	10	360 CID (5.9L) American Motors	1971-1991	4.080in./103.6mmX3.438in./87.33mm	16

ENGINE DATA (Cont.)

Engine	Years	Bore & Stroke	Block
8 CYL (Cont.)			
360 CID (5.9L) Chrysler	1998	4.000in./101.6mmX3.578in./90.8mm	21
401 CID (6.6L) American Motors	1974-1978	4.165in./105.8mmX3.680in./93.5mm	22

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
4 X 2	134 CID (2.2L) L-Head	1948-1950	2	Comanche	126 CID (2.1L) Turbo Renault Diesel	1986-1989	1
4 X 4	134 CID (2.2L) L-Head	1947-1950	2	Comanche	150 CID (2.5L)	1986-1992	3
6-230	230 CID (3.8L) Tornado	1962-1965	11	Comanche	173 CID (2.8L) Chevrolet	1986-1987	6
38	134 CID (2.2L) L-Head	1939	2	Comanche	242 CID (4.0L)	1986-1992	13
48	134 CID (2.2L) L-Head	1939	2	Comanche	258 CID (4.2L) American Motors	1989-1990	12
440	134 CID (2.2L) L-Head	1940	2	Custom	226 CID (3.7L) Continental	1955	8
441	134 CID (2.2L) L-Head	1941	2	DJ3A	134 CID (2.2L) L-Head	1956-1966	2
442	134 CID (2.2L) L-Head	1942	2	DJ5	134 CID (2.2L) F-Head	1965-1970	2
454	134 CID (2.2L) F-Head	1954	2	DJ5	192 CID (3.1L) 4-192 Perkins Diesel	1968	5
463	134 CID (2.2L) L-Head	1946-1950	2	DJ5	225 CID (3.7L) Buick	1966-1970	7
473	134 CID (2.2L) F-Head	1950-1952	2	DJ5	232 CID (3.8L) American Motors	1972-1973	12
473VJ	134 CID (2.2L) F-Head	1952	2	DJ6	134 CID (2.2L) F-Head	1965-1970	2
475	134 CID (2.2L) F-Head	1953-1956	2	DJ6	192 CID (3.1L) 4-192 Perkins Diesel	1968	5
654	226 CID (3.7L) Continental	1947-1954	8	DJ6	225 CID (3.7L) Buick	1966-1970	7
Ace	226 CID (3.7L) Continental	1955	8	F4-134	134 CID (2.2L) F-Head	1957-1965	2
Aero	226 CID (3.7L) Continental	1954	8	FC150	134 CID (2.2L) L-Head	1957-1960	2
American	134 CID (2.2L) L-Head	1941-1942	2	FC150	134 CID (2.2L) F-Head	1961-1966	2
Bermuda	226 CID (3.7L) Continental	1955	8	FC170	226 CID (3.7L) Continental	1957-1966	8
CJ2A	134 CID (2.2L) L-Head	1945-1949	2	FC170 HD	226 CID (3.7L) Continental	1963-1966	8
CJ3A	134 CID (2.2L) L-Head	1949-1952	2	FJ3	134 CID (2.2L) F-Head	1961-1962	2
CJ3B	134 CID (2.2L) F-Head	1953-1966	2	Frazer	226 CID (3.7L) Flat Head Continental	1947-1951	8
CJ5	134 CID (2.2L) F-Head	1955-1970	2	Gladiator	230 CID (3.8L) Tornado	1962-1968	11
CJ5	151 CID (2.5L) Carbureted Pontiac	1980-1983	4	Gladiator	232 CID (3.8L) American Motors	1970-1973	12
CJ5	192 CID (3.1L) 4-192 Perkins Diesel	1968	5	Gladiator	258 CID (4.2L) American Motors	1971-1973	12
CJ5	225 CID (3.7L) Buick	1966-1970	7	Gladiator	304 CID (5.0L) American Motors	1971-1972	16
CJ5	232 CID (3.8L) American Motors	1972-1978	12	Gladiator	327 CID (5.4L)	1965-1971	18
CJ5	258 CID (4.2L) American Motors	1972-1983	12	Gladiator	350 CID (5.7L) Buick	1968-1971	20
CJ5	304 CID (5.0L) American Motors	1972-1981	16	Gladiator	360 CID (5.9L) American Motors	1971-1973	16
CJ5A	134 CID (2.2L) F-Head	1964-1968	2	Gladiator J200	230 CID (3.8L) Tornado	1963-1965	11
CJ5A	192 CID (3.1L) 4-192 Perkins Diesel	1968	5	Gladiator J300	230 CID (3.8L) Tornado	1963-1965	11
CJ5A	225 CID (3.7L) Buick	1966-1968	7	Gladiator J2500	230 CID (3.8L) Tornado	1965-1966	11
CJ6	134 CID (2.2L) F-Head	1956-1968	2	Gladiator J2500	232 CID (3.8L) American Motors	1967-1970	12
CJ6	192 CID (3.1L) 4-192 Perkins Diesel	1968	5	Gladiator J2500	327 CID (5.4L)	1965-1970	18
CJ6	225 CID (3.7L) Buick	1966-1968	7	Gladiator J2600	230 CID (3.8L) Tornado	1965-1966	11
CJ6	232 CID (3.8L) American Motors	1972-1975	12	Gladiator J2600	232 CID (3.8L) American Motors	1967-1970	12
CJ6	258 CID (4.2L) American Motors	1972-1975	12	Gladiator J2600	327 CID (5.4L)	1965-1970	18
CJ6	304 CID (5.0L) American Motors	1972-1975	16	Gladiator J2600	350 CID (5.7L) Buick	1968-1970	20
CJ6A	134 CID (2.2L) F-Head	1964-1968	2	Gladiator J2700	230 CID (3.8L) Tornado	1965-1966	11
CJ6A	192 CID (3.1L) 4-192 Perkins Diesel	1968	5	Gladiator J2700	232 CID (3.8L) American Motors	1967-1970	12
CJ6A	225 CID (3.7L) Buick	1966-1968	7	Gladiator J2700	327 CID (5.4L)	1965-1970	18
CJ7	150 CID (2.5L)	1983-1986	3	Gladiator J2700	350 CID (5.7L) Buick	1968-1970	20
CJ7	151 CID (2.5L) Carbureted Pontiac	1980-1983	4	Gladiator J2800	230 CID (3.8L) Tornado	1965-1966	11
CJ7	232 CID (3.8L) American Motors	1975-1978	12	Gladiator J2800	232 CID (3.8L) American Motors	1967-1968	12
CJ7	258 CID (4.2L) American Motors	1975-1986	12	Gladiator J2800	327 CID (5.4L)	1965-1968	18
CJ7	304 CID (5.0L) American Motors	1975-1981	16	Gladiator J2800	350 CID (5.7L) Buick	1968	20
Cherokee	126 CID (2.1L) Turbo Renault Diesel	1984-1996	1	Gladiator J3500	230 CID (3.8L) Tornado	1965-1968	11
Cherokee	150 CID (2.5L)	1984-2000	3	Gladiator J3500	232 CID (3.8L) American Motors	1967-1970	12
Cherokee	173 CID (2.8L) Chevrolet	1984-1987	6	Gladiator J3500	327 CID (5.4L)	1965-1970	18
Cherokee	232 CID (3.8L) American Motors	1974-1978	12	Gladiator J3500	350 CID (5.7L) Buick	1968-1970	20
Cherokee	242 CID (4.0L)	1986-2001	13	Gladiator J3600	230 CID (3.8L) Tornado	1965-1968	11
Cherokee	258 CID (4.2L) American Motors	1974-1983	12	Gladiator J3600	232 CID (3.8L) American Motors	1965-1970	12
Cherokee	360 CID (5.9L) American Motors	1974-1983	16	Gladiator J3600	327 CID (5.4L)	1965-1970	18
Cherokee	401 CID (6.6L) American Motors	1974-1978	22	Gladiator J3600	350 CID (5.7L) Buick	1968-1970	20
Cherokee				Gladiator J3700	230 CID (3.8L) Tornado	1965-1966	11
Cherokee				Gladiator J3700	232 CID (3.8L) American Motors	1967-1970	12

JEEP (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Gladiator J3700	327 CID (5.4L)	1965-1970	18	J4600	258 CID (4.2L) American Motors	1971-1973	12
Gladiator J3700	350 CID (5.7L) Buick	1968-1970	20	J4600	304 CID (5.0L) American Motors	1971-1972	16
Gladiator J3800	230 CID (3.8L) Tornado	1965-1966	11	J4600	350 CID (5.7L) Buick	1971	20
Gladiator J3800	232 CID (3.8L) American Motors	1967-1970	12	J4600	360 CID (5.9L) American Motors	1971-1973	16
Gladiator J3800	327 CID (5.4L)	1965-1970	18	J4700	134 CID (2.2L) F-Head	1973	2
Gladiator J3800	350 CID (5.7L) Buick	1968-1970	20	J4700	232 CID (3.8L) American Motors	1971-1973	12
Gladiator J4500	232 CID (3.8L) American Motors	1970	12	J4700	258 CID (4.2L) American Motors	1971-1973	12
Gladiator J4500	327 CID (5.4L)	1970	18	J4700	304 CID (5.0L) American Motors	1971-1972	16
Gladiator J4500	350 CID (5.7L) Buick	1970	20	J4700	350 CID (5.7L) Buick	1971	20
Gladiator J4600	232 CID (3.8L) American Motors	1970	12	J4700	360 CID (5.9L) American Motors	1971-1973	16
Gladiator J4600	327 CID (5.4L)	1970	18	J4800	134 CID (2.2L) F-Head	1973	2
Gladiator J4600	350 CID (5.7L) Buick	1970	20	J4800	232 CID (3.8L) American Motors	1971-1973	12
Grand Cherokee	226 CID/3701CC (3.7L) EKG SOHC 12 Valve Chrysler	2005	10	J4800	258 CID (4.2L) American Motors	1971-1973	12
Grand Cherokee	242 CID (4.0L)	1993-2004	13	J4800	304 CID (5.0L) American Motors	1971-1972	16
Grand Cherokee	287 CID (4.7L) SOHC Chrysler	1999-2005	14	J4800	350 CID (5.7L) Buick	1971	20
Grand Cherokee	287 CID (4.7L) SOHC High Output Chrysler	2002-2004	15	J4800	360 CID (5.9L) American Motors	1971-1973	16
Grand Cherokee	318 CID (5.2L) Chrysler	1993-1998	17	Jeepster	134 CID (2.2L) F-Head	1966-1973	2
Grand Cherokee	345 CID (5.7L) EZB Hemi Chrysler	2005	19	Jeepster	225 CID (3.7L) Buick	1966-1970	7
Grand Cherokee	360 CID (5.9L) Chrysler	1998	21	Jeepster	232 CID (3.8L) American Motors	1972-1973	12
Grand Wagoneer	258 CID (4.2L) American Motors	1984-1986	12	Jeepster	258 CID (4.2L) American Motors	1971-1973	12
Grand Wagoneer	360 CID (5.9L) American Motors	1984-1991	16	Jeepster	304 CID (5.0L) American Motors	1972-1973	16
Henry J	134 CID (2.2L) L-Head	1951-1953	2	Jeepster	350 CID (5.7L) Buick	1971	20
J10	232 CID (3.8L) American Motors	1974-1978	12	Jeepster	360 CID (5.9L) American Motors	1971	16
J10	258 CID (4.2L) American Motors	1974-1988	12	Kaiser	226 CID (3.7L) Flat Head	1947-1953	8
J10	360 CID (5.9L) American Motors	1974-1988	16	Kaiser	Continental		
J10	401 CID (6.6L) American Motors	1974-1978	22	Kaiser	226 CID (3.7L) Flat Head	1954	9
J20	232 CID (3.8L) American Motors	1974-1978	12	Kaiser	Continental		
J20	258 CID (4.2L) American Motors	1974-1988	12	L6-226	226 CID (3.7L) Continental	1955-1964	8
J20	360 CID (5.9L) American Motors	1974-1988	16	Liberty	226 CID/3701CC (3.7L) EKG SOHC 12 Valve Chrysler	2002-2005	10
J20	401 CID (6.6L) American Motors	1974-1978	22	Scrambler	150 CID (2.5L)	1984-1985	3
J2500	134 CID (2.2L) F-Head	1973	2	Scrambler	151 CID (2.5L) Carbureted	1981-1983	4
J2500	232 CID (3.8L) American Motors	1971-1973	12	Scrambler	Pontiac		
J2500	258 CID (4.2L) American Motors	1971-1973	12	Scrambler	258 CID (4.2L) American Motors	1981-1985	12
J2500	304 CID (5.0L) American Motors	1971-1972	16	TJ	150 CID (2.5L)	2002	3
J2500	350 CID (5.7L) Buick	1971	20	VJ2	134 CID (2.2L) L-Head	1948-1950	2
J2500	360 CID (5.9L) American Motors	1971-1973	16	VJ2	134 CID (2.2L) F-Head	1950	2
J2600	134 CID (2.2L) F-Head	1973	2	VJ3	134 CID (2.2L) L-Head	1948-1950	2
J2600	232 CID (3.8L) American Motors	1972-1973	12	VJ3	134 CID (2.2L) F-Head	1950	2
J2600	258 CID (4.2L) American Motors	1972-1973	12	Wagoneer	126 CID (2.1L) Turbo Renault Diesel	1984-1990	1
J2600	304 CID (5.0L) American Motors	1972	16	Wagoneer	134 CID (2.2L) F-Head	1972-1973	2
J2600	360 CID (5.9L) American Motors	1972-1973	16	Wagoneer	150 CID (2.5L)	1984-1990	3
J3800	232 CID (3.8L) American Motors	1971	12	Wagoneer	173 CID (2.8L) Chevrolet	1984-1987	6
J3800	258 CID (4.2L) American Motors	1971	12	Wagoneer	230 CID (3.8L) Tornado	1963-1966	11
J3800	304 CID (5.0L) American Motors	1971	16	Wagoneer	232 CID (3.8L) American Motors	1966-1978	12
J3800	350 CID (5.7L) Buick	1971	20	Wagoneer	242 CID (4.0L)	1986-1990	13
J3800	360 CID (5.9L) American Motors	1971	16	Wagoneer	258 CID (4.2L) American Motors	1971-1983	12
J4500	134 CID (2.2L) F-Head	1973	2	Wagoneer	304 CID (5.0L) American Motors	1971-1972	16
J4500	232 CID (3.8L) American Motors	1971-1973	12	Wagoneer	327 CID (5.4L)	1965-1970	18
J4500	258 CID (4.2L) American Motors	1971-1973	12	Wagoneer	350 CID (5.7L) Buick	1968-1970	20
J4500	304 CID (5.0L) American Motors	1971-1972	16	Wagoneer	360 CID (5.9L) American Motors	1971-1983	16
J4500	350 CID (5.7L) Buick	1971	20	Wagoneer	401 CID (6.6L) American Motors	1974-1978	22
J4500	360 CID (5.9L) American Motors	1971-1973	16	Wrangler	150 CID (2.5L)	1987-2002	3
J4600	134 CID (2.2L) F-Head	1973	2	Wrangler	242 CID (4.0L)	1989-2005	13
J4600	232 CID (3.8L) American Motors	1971-1973	12	Wrangler	258 CID (4.2L) American Motors	1987-1990	12

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
201	3.400in./86.4mm	7	673	3.400in./86.4mm	7	499323	3.000in./76.2mm	4	1374563	3.850in./97.8mm	20
207	3.906in./99.2mm	12	707	3.500in./88.9mm	12	636960	4.375in./111.1mm	2	1377248	3.400in./86.4mm	7
220	3.400in./86.4mm	7	707	3.906in./99.2mm	12	640068	4.375in./111.1mm	2	1618699	3.313in./84.2mm	17
324	3.000in./76.2mm	4	707	3.438in./87.33mm	16	641770	4.375in./111.1mm	2	2406782	3.313in./84.2mm	17
338	3.500in./88.9mm	12	763	3.400in./86.4mm	7	711916	4.375in./111.1mm	11	3144468	3.250in./82.6mm	18
351	3.190in./81.03mm	3	779	3.400in./86.4mm	7	731057	4.375in./111.1mm	11	3144488	3.250in./82.6mm	18
352	3.906in./99.2mm	12	5854	3.680in./93.5mm	22	1357201	3.400in./86.4mm	7	3145295	3.250in./82.6mm	18
561	3.850in./97.8mm	20	7047	3.680in./93.5mm	22	1357333	3.400in./86.4mm	7	3172341	3.500in./88.9mm	12

CONNECTING ROD FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3172341	3.906in./99.2mm	12	3196750	3.438in./87.33mm	16	F226D-400	4.375in./111.1mm	9	F600D-402	4.375in./111.1mm	9
3173210	3.500in./88.9mm	12	3197047	3.438in./87.33mm	16	F600D-210	4.375in./111.1mm	8	F600D-405	4.375in./111.1mm	8
3173210	3.906in./99.2mm	12	3215845	3.680in./93.5mm	22	F600D-210	4.375in./111.1mm	9	F600D-405	4.375in./111.1mm	9
3180444	3.500in./88.9mm	12	3418645	3.313in./84.2mm	17	F600D-310	4.375in./111.1mm	8	F600G-402	4.375in./111.1mm	8
3182749	3.500in./88.9mm	12	25509405	3.400in./86.4mm	7	F600D-310	4.375in./111.1mm	9	F600G-402	4.375in./111.1mm	9
3182749	3.906in./99.2mm	12	F226-400	4.375in./111.1mm	8	F600D-400	4.375in./111.1mm	8			
3182749	3.438in./87.33mm	16	F226-400	4.375in./111.1mm	9	F600D-400	4.375in./111.1mm	9			
3191739	3.680in./93.5mm	22	F226D-400	4.375in./111.1mm	8	F600D-402	4.375in./111.1mm	8			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
017	3.000in./76.2mm	4	928928	4.375in./111.1mm	11	3190792F	3.680in./93.5mm	22	4992111	3.000in./76.2mm	4
264	2.992in./76mm	6	934652	4.375in./111.1mm	11	3190793	3.680in./93.5mm	22	4993111	3.000in./76.2mm	4
381	3.000in./76.2mm	4	1254083	3.400in./86.4mm	7	3190797	3.680in./93.5mm	22	25505554	3.400in./86.4mm	7
390	3.000in./76.2mm	4	1255645	3.400in./86.4mm	7	3190798	3.680in./93.5mm	22	25506397	3.400in./86.4mm	7
504	2.992in./76mm	6	1255646	3.400in./86.4mm	7	3193816	3.438in./87.33mm	16	25506818	3.400in./86.4mm	7
684	3.000in./76.2mm	4	1255674	3.400in./86.4mm	7	3195292	3.438in./87.33mm	16	25509404	3.400in./86.4mm	7
771	3.000in./76.2mm	4	1255846	3.400in./86.4mm	7	3196921	3.680in./93.5mm	22	25514290	3.400in./86.4mm	7
777	3.000in./76.2mm	4	1255862	3.400in./86.4mm	7	3196922	3.680in./93.5mm	22	25520329	3.400in./86.4mm	7
209229	4.375in./111.1mm	8	1257125	3.400in./86.4mm	7	3199738C	3.906in./99.2mm	12	FAF	4.375in./111.1mm	2
209229	4.375in./111.1mm	9	1260877	3.400in./86.4mm	7	3199798	3.906in./99.2mm	12	F600C-217	4.375in./111.1mm	8
230277	3.400in./86.4mm	7	1261438	3.400in./86.4mm	7	3199842	3.680in./93.5mm	22	F600C-217	4.375in./111.1mm	9
230278	3.400in./86.4mm	7	1261787	3.400in./86.4mm	7	3204904	3.500in./88.9mm	12	F600C-500A	4.375in./111.1mm	8
230378	3.400in./86.4mm	7	1357898	3.400in./86.4mm	7	3208627	3.500in./88.9mm	12	F600C-500A	4.375in./111.1mm	9
310372	4.375in./111.1mm	2	1375809	3.850in./97.8mm	20	3208794	3.500in./88.9mm	12	F600C-502	4.375in./111.1mm	8
378354	3.400in./86.4mm	7	1378346	3.850in./97.8mm	20	3208795	3.680in./93.5mm	22	F600C-502	4.375in./111.1mm	9
499311	3.000in./76.2mm	4	1378351	3.400in./86.4mm	7	3213754	3.438in./87.33mm	16	F600C-502A	4.375in./111.1mm	8
630320	4.375in./111.1mm	2	1378354	3.400in./86.4mm	7	3214722	3.500in./88.9mm	12	F600C-502A	4.375in./111.1mm	9
635280	4.375in./111.1mm	2	2532457	3.313in./84.2mm	17	3214723	3.906in./99.2mm	12	F600C-506A	4.375in./111.1mm	8
635380	4.375in./111.1mm	2	2558393	3.313in./84.2mm	17	3214724	3.438in./87.33mm	16	F600C-506A	4.375in./111.1mm	9
638121	4.375in./111.1mm	2	2656278	3.313in./84.2mm	17	3214725	3.680in./93.5mm	22	F0600C-600	4.375in./111.1mm	8
641127	4.375in./111.1mm	2	2658393	3.313in./84.2mm	17	3220411	3.680in./93.5mm	22	F600C-600	4.375in./111.1mm	8
646318	4.375in./111.1mm	2	3144388	3.250in./82.6mm	18	3235477	3.906in./99.2mm	12	F0600C-600	4.375in./111.1mm	9
732596	4.375in./111.1mm	8	3159292	3.438in./87.33mm	16	3239611	3.190in./81.03mm	3	F600C-600	4.375in./111.1mm	9
732596	4.375in./111.1mm	9	3160035	3.500in./88.9mm	12	3418640	3.578in./90.8mm	21	F600C-601	4.375in./111.1mm	8
733536	4.375in./111.1mm	8	3169034	3.500in./88.9mm	12	3418840-2	3.578in./90.8mm	21	F600C-601	4.375in./111.1mm	9
733536	4.375in./111.1mm	9	3172218	3.500in./88.9mm	12	3418995	3.578in./90.8mm	21	F600C-606C	4.375in./111.1mm	8
733863	4.375in./111.1mm	8	3172218R	3.500in./88.9mm	12	3462387	3.313in./84.2mm	17	F600C-606C	4.375in./111.1mm	9
733863	4.375in./111.1mm	9	3178451C	3.438in./87.33mm	16	3482387	3.313in./84.2mm	17	GPW	4.375in./111.1mm	2
734452	4.375in./111.1mm	8	3188945	3.500in./88.9mm	12	3751841	3.313in./84.2mm	17	RD51261	3.438in./87.33mm	16
734452	4.375in./111.1mm	9	3188947	3.500in./88.9mm	12	4027169	3.578in./90.8mm	21	RD67703	3.906in./99.2mm	12
734542	4.375in./111.1mm	8	3190079	3.680in./93.5mm	22	4487237	3.438in./87.33mm	16	RDJ1261	3.438in./87.33mm	16
734542	4.375in./111.1mm	9	3190792	3.680in./93.5mm	22	4487238	3.680in./93.5mm	22			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	126 CID (2.1L) Turbo Renault Turbocharged Diesel 4 Cyl (1985-1990)					3.386in./86mm x 3.504in./89mm		1
Rod Bearing(4)	AL-3	CB-1311AL	STD,.25mm	2.2152/2.2160	0.0017/0.0043	0.0725	2.3622/2.3630	0.8170
Main Bearing Set 1-2-3-4-5	AL-3	MS-1541AL-.25mm MB-2779AL-.25MM		2.4753/2.4761	0.0015/0.0030	0.0736	2.6247/2.6255	0.9170
NOTE: Crankshaft Journal Number 1 Is At The Rear Of Engine, Flywheel End.,Requires Thrust Washer Set, Not Included, Use With Part Number TW-343S								
Thrust Washer Set		TW-343S MB-2779W	STD	2.8031/2.8130			3.4583/3.4681	0.1120
NOTE: Contains 2 Pieces, Position Number 2								
Connecting Rod	48 Lbs.Ft.							
Main Bearing	69 Lbs.Ft.							
2	134 CID (2.2L) F-Head 4 Cyl (1950-1973) 134 CID (2.2L) L-Head 4 Cyl (1939-1966)					3.125in./79.4mm x 4.375in./111.1mm 3.125in./79.4mm x 4.375in./111.1mm		2
Rod Bearing(4)	TM-77	CB-236P	STD,10,20,30,40,50,C60	1.9375/1.9383	0.0008/0.0030	0.0523	2.0432/2.0440	1.0990
NOTE: From Engine Serial Number 88769								

JEEP (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
2 (Cont.)	134 CID (2.2L) F-Head 4 Cyl (1950-1973)			3.125in./79.4mm x 4.375in./111.1mm				2 (Cont.)
	134 CID (2.2L) L-Head 4 Cyl (1939-1966)			3.125in./79.4mm x 4.375in./111.1mm				
Main Bearing Set	TM-77	MS-115P	STD,10,20,30,40,50					
1		MB-883P(F)		2.3331/2.3341	0.0006/0.0032	0.0823	2.4990/2.5000	1.9210
2		MB-884P		2.3331/2.3341	0.0006/0.0032	0.0773	2.4890/2.4900	1.8170
3		MB-885P		2.3331/2.3341	0.0006/0.0032	0.0723	2.4790/2.4800	1.7550
NOTE: 134 CID (2.2L) L-Head (1939-1942;1945-1953;1956-1966),134 CID (2.2L) F-Head (1950-1973)								
Cam Bearing Set	B-1	SH-69S	STD					
		SH-69		2.1855/2.1860	0.0010/0.0040	0.0640	2.3165/2.3175	1.1350
NOTE: 134 CID (2.2L) L-Head (1939-1942;1945-1953;1956-1966),134 CID (2.2L) F-Head (1950-1973), Contains 1 Bearing, Order As Required								
Rod Forging	636960, 640068, 641770							
C/S Forging	EAf, GPW, 310372, 630320, 635280, 635380, 638121, 641127, 646318							
Connecting Rod	35 To 45 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	50 To 55 Lbs.Ft. (7/16" Bolts)							
Main Bearing	65 To 75 Lbs.Ft.							
3	150 CID (2.5L) 4 Cyl (1983-2002)			3.875in./98.4mm x 3.190in./81.03mm				3
Rod Bearing(4)	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set	TM-77	MS-1568P	STD,10,20,30,40					
1-3-4-5		MB-2263P		2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	0.9860
2		MB-2264P(F)		2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	1.2700
NOTE: 1983-1990								
Main Bearing Set	TM-77	MS-1948P	STD,10,20,30					
1-3-4-5		MB-3337P		2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	0.9860
2		MB-3338P(F)		2.4996/2.5001	0.0003/0.0028	0.0953	2.6910/2.6920	1.2700
NOTE: 1991-2002								
Cam Bearing Set	B-1	SH-1980S	STD					
1		SH-1980		2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6950
2		SH-550		2.0195/2.0205	0.0010/0.0050	0.0620	2.1455/2.1465	0.7050
3		SH-551		2.0095/2.0105	0.0010/0.0050	0.0620	2.1355/2.1365	0.7050
4		SH-552		1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.7050
Rod Forging	351							
C/S Forging	3239611							
Connecting Rod	33 Lbs.Ft.							
Main Bearing	80 Lbs.Ft.							
4	151 CID (2.5L) Carbureted Pontiac 4 Cyl (1980-1983)			4.000in./101.6mm x 3.000in./76.2mm				4
Rod Bearing(4)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set	TM-77	MS-1733P	STD,1,10,20,30,40					
1-2-3-4		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
5		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set	AL-3	SH-1030S	STD,10					
1-2-3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
Rod Forging	324, 499323							
C/S Forging	017, 381, 390, 684, 771, 777, 499311, 4992111, 4993111							
Connecting Rod	30 Lbs.Ft. (Except Cross Flow Cylinder Heads)							
Connecting Rod	32 Lbs.Ft. (Cross Flow Cylinder Heads)							
Main Bearing	65 Lbs.Ft. (Except Cross Flow Cylinder Heads)							
Main Bearing	70 Lbs.Ft. (Cross Flow Cylinder Heads)							
5	192 CID (3.1L) 4-192 Perkins Diesel 4 Cyl (1968)			3.504in./89mm x 5.000in./127mm				5
Rod Bearing(4)	AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900
Main Bearing Set	AL-3	MS-773AL	STD,10,20,30					
1		MB-2186AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.3050
2-4		MB-2187AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.0000
3-5		MB-2302AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.6050
NOTE: Requires Thrust Washer Set, Not Included								
Thrust Washer Set		TW-119S	STD					
		MB-2188W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Engine Serial Number 2096900, Contains 4 Pieces, Position Number 5								

JEEP (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
5 (Cont.)	192 CID (3.1L) 4-192 Perkins Diesel 4 Cyl (1968)			3.504in./89mm x 5.000in./127mm				5 (Cont.)
Thrust Washer Set		TW-128S	STD	3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2188W(U)						
NOTE: Thru Eng. Serial No. 2096899, Contains 2 Pieces, Position Number 5				3.0450/3.0550			3.5520/3.5620	0.1230
Thrust Washer Set		TW-130S	STD					
		MB-2292W(L)						
		MB-2292W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Engine Serial Number 2105860, Contains 4 Pieces, Position Number 5								
6 CYL								
6	173 CID (2.8L) Chevrolet V6 Cyl (1984-1987)			3.504in./89mm x 2.992in./76mm				6
Rod Bearing(6)	AL-5	CB-1238A-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0623	2.1245/2.1255	0.7205
Rod Bearing(6)	TM-77	CB-1238P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	1.9984/1.9994	0.0005/0.0035	0.0623	2.1245/2.1255	0.7205
Rod Bearing(6)	AL-5	CB-1797A-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0633	2.1265/2.1275	0.7205
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock				1.9984/1.9994	0.0005/0.0035	0.0633	2.1265/2.1275	0.7205
Rod Bearing(6)	TM-77	CB-1797P-.25mm	.50mm,.75mm					
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock				2.4937/2.4946	0.0011/0.0040	0.0958	2.6870/2.6880	0.9700
Main Bearing Set	TM-77	MS-1494P	STD,.25mm,.50mm,.75mm,1.00mm					
1		MB-2806P						
2		MB-2807P						
3		MB-2808P(F)						
4		MB-2809P		2.4937/2.4946	0.0011/0.0040	0.0958	2.6870/2.6880	1.2480
NOTE: 1985;1984, 1st Design Main Bearings,63.3mm Journals				2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9770
Main Bearing Set	AL-5	MS-2037A-.25mm	.50mm,.75mm					
1-4		MB-3511A						
2		MB-3512A						
3		MB-3513A(F)		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.7380
NOTE: 1986-1987;1985, 2nd Design Main Bearings,67.2mm Journals				2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9420
Main Bearing Set	TM-77	MS-2037P	STD,.25mm,.50mm,.75mm,1.00mm					
1-4		MB-3511P						
2		MB-3512P						
3		MB-3513P(F)		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9420
NOTE: 1986-1987;1985, 2nd Design Main Bearings,67.2mm Journals				1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
Cam Bearing Set	AL-3	SH-1364S	STD					
1		SH-1362						
2-3		SH-1363						
4		SH-1364		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
C/S Forging 264, 504								
Connecting Rod 34 To 40 Lbs.Ft.								
Main Bearing 63 To 74 Lbs.Ft.								
7	225 CID (3.7L) Buick V6 Cyl (1966-1971)			3.750in./95.3mm x 3.400in./86.4mm				7
Rod Bearing(6)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set	TM-77	MS-960P	STD,1,10,20,30	2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
1-3		MB-2433P						
2		MB-2434P(F)						
4		MB-2491P						
Main Bearing Set	TM-77	MS-1688P-10	20,30	2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
1-3		MB-2433P						
2		MB-3063P(F)						
4		MB-2491P						
NOTE: Contains .020" Oversize Length Flanged Bearing				2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
Main Bearing Set	TM-77	MS-1690P-20	30					
1-3		MB-2433P						
2		MB-3064P(F)						
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .040" Oversize Length Flanged Bearing								

JEEP (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
7 (Cont.)	225 CID (3.7L) Buick V6 Cyl (1966-1971)			3.750in./95.3mm x 3.400in./86.4mm				7 (Cont.)
Main Bearing Set 1-3	TM-77	MS-1747P-10	20,30	2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0680
4		MB-3125P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-506S	STD	1.7550/1.7560	0.0010/0.0060	0.0643	1.8855/1.8875	0.7600
2		SH-506		1.7250/1.7260	0.0010/0.0060	0.0643	1.8555/1.8575	0.7600
3		SH-363		1.6950/1.6960	0.0010/0.0060	0.0643	1.8255/1.8275	0.7600
4		SH-364		1.6650/1.6660	0.0010/0.0060	0.0643	1.7955/1.7975	0.7600
Rod Forging	201, 220, 673, 763, 779, 1357201, 1357333, 1377248, 25509405							
C/S Forging	230277, 230278, 230378, 378354, 1254083, 1255645, 1255646, 1255674, 1255846, 1255862, 1257125, 1260877, 1261438, 1261787, 1357898, 1378351, 1378354, 25505554, 25506397, 25506818, 25509404, 25514290, 25520329							
Connecting Rod	30 To 40 Lbs.Ft.							
Main Bearing	65 To 70 Lbs.Ft. (Thru 1964)							
Main Bearing	95 To 120 Lbs.Ft. (From 1965)							
8	226 CID (3.7L) Continental 6 Cyl (1947-1963)			3.313in./84.1mm x 4.375in./111.1mm				8
8	226 CID (3.7L) Flat Head Continental 6 Cyl (1947-1954)			3.313in./84.1mm x 4.375in./111.1mm				8
Rod Bearing(3)	TM-77	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Positions 1,3, And 5								
Rod Bearing(3)	TM-77	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Positions 2,4, And 6								
Main Bearing Set 1	TM-77	MS-440P-20		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2-3		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5615/2.5622	1.3170
4		MB-1225P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.4890
NOTE: 226 CID (3.7L) Flat Head (1947-1950),226 CID (3.7L) (1947-1950), Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Main Bearing Set 1	TM-77	MS-889P	STD,10,20,30	2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2-3		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5615/2.5622	1.3170
4		MB-1225P		2.3744/2.3752	0.0005/0.0023	0.0932	2.5616/2.5622	1.6320
NOTE: 226 CID (3.7L) Flat Head (1951-1954),226 CID (3.7L) (1951-1963)								
Thrust Washer Set		TW-417S	STD	2.4062			3.3125	0.1260
		MB-1224FW						
NOTE: 226 CID (3.7L) Flat Head (1947-1950),226 CID (3.7L) (1947-1950), Contains 1 Piece, Front,Position Number 1								
Thrust Washer Set		TW-418S	STD	2.4030			3.3750	0.0950
		MB-1224RW						
NOTE: 226 CID (3.7L) Flat Head (1947-1950),226 CID (3.7L) (1947-1950), Contains 1 Piece, Position Number 1,Rear								
Cam Bearing Set 1	AL-3	SH-190S	STD	1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-1211		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-191		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-56		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: 226 CID (3.7L) (1955-1963),226 CID (3.7L) Flat Head (1947-1954), Requires Light Reaming								
Rod Forging	F226-400, F226D-400, F600D-210, F600D-310, F600D-400, F600D-402, F600D-405, F600G-402							
C/S Forging	209229, 732596, 733536, 733863, 734452, 734542, F600C-217, F600C-502, F600C-600, F600C-601, F600C-600, F600C-500A, F600C-502A, F600C-506A, F600C-606C							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	75 To 80 Lbs.Ft.							
9	226 CID (3.7L) Flat Head Continental Supercharged 6 Cyl (1954)			3.313in./84.1mm x 4.375in./111.1mm				9
Rod Bearing(3)	TM-77	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Positions 1,3, And 5								
Rod Bearing(3)	TM-77	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Positions 2,4, And 6								

JEEP (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
9 (Cont.)	226 CID (3.7L) Flat Head Continental Supercharged 6 Cyl (1954)			3.313in./84.1mm x 4.375in./111.1mm				9 (Cont.)
Main Bearing Set	TM-77	MS-889P	STD,10,20,30					
1		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2-3		MB-1225P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5615/2.5622	1.3170
4		MB-1686P(F)		2.3744/2.3752	0.0005/0.0023	0.0932	2.5616/2.5622	1.6320
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming								
Rod Forging	F226-400, F226D-400, F600D-210, F600D-310, F600D-400, F600D-402, F600D-405, F600G-402							
C/S Forging	209229, 732596, 733536, 733863, 734452, 734542, F600C-217, F600C-502, F600C-600, F600C-601, F600C-600, F600C-500A, F600C-502A, F600C-506A, F600C-606C							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	75 To 80 Lbs.Ft.							
10	226 CID/3701CC (3.7L) EKG SOHC 12 Valve Chrysler V6 Cyl (2002-2005)			3.661in./93mm x 3.575in./90.8mm				10
Rod Bearing(6)	TM-77	CB-1818P	STD,.25mm,.50mm	2.2794/2.2797	0.0010/0.0027	0.0645	2.4092/2.4096	0.6547
Rod Bearing(6)	TM-77	CB-1819P-.25mm	.50mm	2.2794/2.2797	0.0010/0.0027	0.0655	2.4112/2.4116	0.6547
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-2244P	STD,.25mm,.50mm					
1-2-3-4		MB3790P		2.4998/2.5002	0.0002/0.0013	0.0962	2.6927/2.6931	0.8120
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-608S								
Thrust Washer Set		TW-608S	STD					
		MB-3771W						0.0980
NOTE: Contains 2 Piece Thrust Washer Set, Use In Number 3 Position, Use With Part Number MS-2244P								
Aux. Shaft Bearing Set	AL-3	SH-1997S	STD					
Front		SH-1997		2.2042/2.2052	0.0026/0.0067	0.0725	2.3528/2.3539	0.7150
Rear		SH-1998		1.1412/1.1422	0.0016/0.0057	0.0730	1.2898/1.2909	0.7100
11	230 CID (3.8L) Tornado 6 Cyl (1962-1968)			3.344in./84.9mm x 4.375in./111.1mm				11
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	711916, 731057							
C/S Forging	928928, 934652							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	85 To 95 Lbs.Ft.							
12	232 CID (3.8L) American Motors 6 Cyl (1965-1978)			3.750in./95.3mm x 3.500in./88.9mm				12
	258 CID (4.2L) American Motors 6 Cyl (1971-1990)			3.750in./95.3mm x 3.906in./99.2mm				
Rod Bearing(6)	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set	TM-77	MS-704P	STD,10,20,30,40					
1-2-4-5-6-7		MB-2263P		2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	0.9860
3		MB-2264P(F)		2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	1.2700
Cam Bearing Set	B-1	SH-1980S	STD					
1		SH-1980		2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6950
2		SH-550		2.0195/2.0205	0.0010/0.0050	0.0620	2.1455/2.1465	0.7050
3		SH-551		2.0095/2.0105	0.0010/0.0050	0.0620	2.1355/2.1365	0.7050
4		SH-552		1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.7050
Rod Forging	207, 338, 352, 707, 3172341, 3173210, 3180444, 3182749							
C/S Forging	3160035, 3169034, 3172218, 3188945, 3188947, 3199798, 3204904, 3208627, 3208794, 3214722, 3214723, 3235477, RD67703, 3172218R, 3199738C							
Connecting Rod	30 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							

JEEP (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
13	242 CID (4.0L) 6 Cyl (1987-2001)			3.875in./98.4mm x 3.406in./86.5mm				13
Rod Bearing(6)	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set 1-2-4-5-6-7 3	TM-77	MS-704P MB-2263P MB-2264P(F)	STD,10,20,30,40	2.4996/2.5001 2.4996/2.5001	0.0006/0.0031 0.0006/0.0031	0.0953 0.0953	2.6910/2.6920 2.6910/2.6920	0.9860 1.2700
NOTE: 1987-1990								
Main Bearing Set 1-2-4-5-6-7 3	TM-77	MS-1947P MB-3337P MB-3338P(F)	STD,10,20,30	2.4996/2.5001 2.4996/2.5001	0.0006/0.0031 0.0003/0.0028	0.0953 0.0953	2.6910/2.6920 2.6910/2.6920	0.9860 1.2700
NOTE: 1991-2001								
Cam Bearing Set 1 2 3 4	B-1	SH-1980S SH-1980 SH-550 SH-551 SH-552	STD	2.0295/2.0305 2.0195/2.0205 2.0095/2.0105 1.9995/2.0005	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0620 0.0620 0.0620 0.0620	2.1555/2.1565 2.1455/2.1465 2.1355/2.1365 2.1255/2.1265	0.6950 0.7050 0.7050 0.7050
8 CYL								
14	287 CID (4.7L) SOHC Chrysler V8 Cyl (1999-2005)			3.661in./93mm x 3.406in./86.5mm				14
Rod Bearing(8)	TM-77	CB-1784P	STD,.25mm,.50mm	2.0075/2.0082	0.0008/0.0025	0.0586	2.1257/2.1262	0.6547
Rod Bearing(8)	TM-77	CB-1804P-.25mm	.50mm	2.0075/2.0082	0.0004/0.0018	0.0596	2.1277/2.1282	0.6547
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4-5	TM-77	MS-2216P MB-3771PU	STD,.25mm,.50mm	2.4998/2.5002	0.0002/0.0013	0.0962	2.6927/2.6931	0.8120
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-608S								
Thrust Washer Set		TW-608S MB-3771W	STD					0.0980
NOTE: Contains 2 Piece Thrust Washer Set, Use In Number 3 Position, Use With Part Number MS-2216P								
15	287 CID (4.7L) SOHC High Output Chrysler V8 Cyl (2002-2004)			3.661in./93mm x 3.406in./86.5mm				15
Rod Bearing(8)	TM-77	CB-1784P	STD,.25mm,.50mm	2.0075/2.0082	0.0008/0.0025	0.0586	2.1257/2.1262	0.6547
Rod Bearing(8)	TM-77	CB-1804P-.25mm	.50mm	2.0075/2.0082	0.0004/0.0018	0.0596	2.1277/2.1282	0.6547
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4-5	TM-77	MS-2242P MB3790P	STD,.25mm,.50mm	2.4998/2.5002	0.0002/0.0013	0.0962	2.6927/2.6931	0.8120
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-608S								
Thrust Washer Set		TW-608S MB-3771W	STD					0.0980
NOTE: Contains 2 Piece Thrust Washer Set, Use In Number 3 Position, Use With Part Number MS-2242P								
16	304 CID (5.0L) American Motors V8 Cyl (1971-1981) 360 CID (5.9L) American Motors V8 Cyl (1971-1991)			3.750in./95.3mm x 3.438in./87.33mm 4.080in./103.6mm x 3.438in./87.33mm				16
Rod Bearing(8)	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set 1-2-4-5 3	TM-77	MS-1041P MB-2579P MB-2578P(F)	STD,10,20,30	2.7474/2.7489 2.7474/2.7489	0.0006/0.0038 0.0006/0.0038	0.0959 0.0959	2.9410/2.9417 2.9410/2.9417	0.9280 1.2700
Cam Bearing Set 1 2 3 4 5	B-1	SH-671S SH-671 SH-672 SH-673 SH-674 SH-675	STD	2.1195/2.1205 2.0895/2.0905 2.0595/2.0605 2.0295/2.0305 1.9995/2.0005	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0620 0.0620 0.0620 0.0620 0.0620	2.2455/2.2465 2.2155/2.2165 2.1855/2.1865 2.1555/2.1565 2.1255/2.1265	0.9350 0.6400 0.6400 0.6400 0.6400
Rod Forging C/S Forging	707, 3182749, 3196750, 3197047 3159292, 3193816, 3195292, 3213754, 3214724, 4487237, RD51261, RDJ1261, 3178451C							
Connecting Rod Connecting Rod Main Bearing Main Bearing	30 Lbs.Ft. (360 CID (5.9L)) 95 To 105 Lbs.Ft. (304 CID (5.0L) 8.4 to 1 Compression) 30 To 35 Lbs.Ft. (304 CID (5.0L) 8.4 to 1 Compression) 95 To 105 Lbs.Ft. (360 CID (5.9L))							
17	318 CID (5.2L) Chrysler V8 Cyl (1993-1998)			3.910in./99.3mm x 3.313in./84.2mm				17
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480

JEEP (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
17 (Cont.)	318 CID (5.2L) Chrysler V8 Cyl (1993-1998)			3.910in./99.3mm x 3.313in./84.2mm				17 (Cont.)
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0002/0.0027	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4 3 5	TM-77	MS-1344P MB-2283P MB-2620P(F) MB-2559P	STD,10,20,30	2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0005/0.0026 0.0004/0.0025 0.0005/0.0026	0.0959 0.0958 0.0959	2.6925/2.6930 2.6925/2.6930 2.6925/2.6930	0.8770 1.1520 1.3270
Cam Bearing Set 1 2 3 4 5	B-1	SH-1112S SH-875 SH-1112 SH-1113 SH-1114 SH-329	STD	1.9980/1.9990 1.9820/1.9830 1.9670/1.9680 1.9510/1.9520 1.5605/1.5615	0.0015/0.0055 0.0015/0.0055 0.0015/0.0055 0.0015/0.0055 0.0005/0.0045	0.0645 0.0645 0.0645 0.0645 0.0650	2.1295/2.1305 2.1135/2.1145 2.0985/2.0995 2.0825/2.0835 1.6920/1.6930	0.9000 0.6300 0.6300 0.6300 0.9500
Piston Pin Bushing(8)	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400
NOTE: Requires Boring								
Rod Forging	1618699, 2406782, 3418645							
C/S Forging	2532457, 2558393, 2656278, 2658393, 3462387, 3482387, 3751841							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
18	327 CID (5.4L) V8 Cyl (1965-1970)			4.000in./101.6mm x 3.250in./82.6mm				18
Rod Bearing(8)	TM-77	CB-507P	STD,10,20	2.2483/2.2490	0.0012/0.0030	0.0624	2.3745/2.3750	0.9020
Main Bearing Set 1 2-3-4-5	TM-77	MS-400P-10 MB-1780P(F) MB-1781P		2.4988/2.4995 2.4988/2.4995	0.0005/0.0027 0.0005/0.0027	0.0957 0.0957	2.6910/2.6920 2.6910/2.6920	1.2700 0.9860
Rod Forging	3144468, 3144488, 3145295							
C/S Forging	3144388							
Connecting Rod	46 To 50 Lbs.Ft.							
Main Bearing	50 To 55 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	80 To 85 Lbs.Ft. (Except Rear Bearing Cap)							
19	345 CID (5.7L) EZB Hemi Chrysler V8 Cyl (2005)			3.917in./99.5mm x 3.578in./90.8mm				19
Rod Bearing(8)	TM-77	CB-1808P	STD,.25mm,.50mm	2.1257/2.1263	0.0008/0.0029	0.0626	2.2522/2.2527	0.7910
Rod Bearing(8)	TM-77	CB-1809P-.25mm	.50mm	2.1257/2.1263	0.0008/0.0029	0.0636	2.2542/2.2547	0.7910
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4-5	TM-77	MS-2220P MB-3780P	STD,.25mm,.50mm	2.4998/2.5002	0.0002/0.0013	0.0962	2.6927/2.6931	0.8120
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-611S								
Thrust Washer Set		TW-611S MB-3780W	STD	2.8600/2.8800			3.6760	0.1018
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-2220P								
Cam Bearing Set 1 2 3 4 5		SH-1990S SH-1990 SH-1991 SH-1992 SH-1993 SH-1994	STD	2.2906/2.2913 2.2748/2.2756 2.2591/2.2598 2.2433/2.2441 1.7170/1.7178	0.0013/0.0050 0.0012/0.0050 0.0013/0.0050 0.0012/0.0050 0.0016/0.0054	0.0650 0.0650 0.0650 0.0650 0.0650	2.4226/2.4236 2.4068/2.4078 2.3911/2.3921 2.3753/2.3763 1.8494/1.8504	0.6830 0.6040 0.6040 0.6040 0.6040
20	350 CID (5.7L) Buick V8 Cyl (1968-1971)			3.800in./96.5mm x 3.850in./97.8mm				20
Rod Bearing(8)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set 1 2-4 3 5	TM-77	MS-1457P MB-2760P MB-2448P MB-2449P(F) MB-2484P	STD,10,20,30	2.9995/3.0005 2.9995/3.0005 2.9995/3.0005 2.9995/3.0005	0.0008/0.0038 0.0008/0.0038 0.0008/0.0038 0.0008/0.0038	0.0935 0.0935 0.0935 0.0935	3.1880/3.1890 3.1880/3.1890 3.1880/3.1890 3.1880/3.1890	0.8700 0.8700 1.0580 0.8700
Cam Bearing Set 1 2-3-4-5	AL-3	SH-1361S SH-1360 SH-1361	STD,10	1.7850/1.7860 1.7850/1.7860	0.0005/0.0055 0.0005/0.0055	0.0643 0.0643	1.9155/1.9175 1.9155/1.9175	0.7600 0.6300
Rod Forging	561, 1374563							
C/S Forging	1375809, 1378346							

JEEP (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
20 (Cont.)	350 CID (5.7L) Buick V8 Cyl (1968-1971)				3.800in./96.5mm x 3.850in./97.8mm			20 (Cont.)
Connecting Rod	35 Lbs.Ft.							
Main Bearing	95 Lbs.Ft.							
21	360 CID (5.9L) Chrysler V8 Cyl (1998)				4.000in./101.6mm x 3.578in./90.8mm			21
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0002/0.0027	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-1266P	STD,10,20,30					
1-2-4		MB-2622P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	0.8770
3		MB-2623P(F)		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.1520
5		MB-2624P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.2590
Cam Bearing Set	B-1	SH-1112S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-1112		1.9820/1.9830	0.0015/0.0055	0.0645	2.1135/2.1145	0.6300
3		SH-1113		1.9670/1.9680	0.0015/0.0055	0.0645	2.0985/2.0995	0.6300
4		SH-1114		1.9510/1.9520	0.0015/0.0055	0.0645	2.0825/2.0835	0.6300
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
C/S Forging 3418640, 3418995, 4027169, 3418840-2								
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
22	401 CID (6.6L) American Motors V8 Cyl (1974-1978)				4.165in./105.8mm x 3.680in./93.5mm			22
Rod Bearing(8)	TM-77	CB-819P	STD,10,20,30	2.2478/2.2485	0.0019/0.0041	0.0623	2.3745/2.3750	0.8050
Main Bearing Set	TM-77	MS-1041P	STD,10,20,30					
1-2-4-5		MB-2579P		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	0.9280
3		MB-2578P(F)		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	1.2700
Cam Bearing Set	B-1	SH-671S	STD					
1		SH-671		2.1195/2.1205	0.0010/0.0050	0.0620	2.2455/2.2465	0.9350
2		SH-672		2.0895/2.0905	0.0010/0.0050	0.0620	2.2155/2.2165	0.6400
3		SH-673		2.0595/2.0605	0.0010/0.0050	0.0620	2.1855/2.1865	0.6400
4		SH-674		2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6400
5		SH-675		1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.6400
Rod Forging 5854, 7047, 3191739, 3215845								
C/S Forging 3190079, 3190792, 3190793, 3190797, 3190798, 3196921, 3196922, 3199842, 3208795, 3214725, 3220411, 4487238, 3190792F								
Connecting Rod	35 To 40 Lbs.Ft.							
Main Bearing	95 To 100 Lbs.Ft.							

JOHN DEERE

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
2 CYL			3 CYL (Cont.)		
50 190 CID (3.1L) Flex	4.687in./119.1mmX5.500in./139.7mm	2	3164D 164 CID (2.7L) Diesel	4.020in./102.108mmX4.328in./109.9mm	10
60 321 CID (5.3L)	5.500in./139.7mmX6.750in./171.5mm	6	3164G 164 CID (2.7L)	4.020in./102.108mmX4.328in./109.9mm	11
70 378 CID (6.2L) Diesel	6.125in./155.6mmX6.375in./161.9mm	7	3179D 179 CID (2.9L) Diesel	4.188in./106.4mmX4.328in./109.9mm	12
113 113 CID (1.9L)	4.250in./108mmX4.000in./101.6mm	1	4 CYL		
520 190 CID (3.1L)	4.687in./119.1mmX5.500in./139.7mm	3			
530 190 CID (3.1L)	4.687in./119.1mmX5.500in./139.7mm	3	115 115 CID (1.9L)	3.500in./88.9mmX3.000in./76.2mm	13
620 303 CID (5.0L)	5.500in./139.7mmX6.375in./161.9mm	4	145 145 CID (2.4L)	3.625in./92.1mmX3.500in./88.9mm	13
630 303 CID (5.0L)	5.500in./139.7mmX6.375in./161.9mm	4	145 145 CID (2.4L) Diesel	3.625in./92.1mmX3.500in./88.9mm	13
720 362 CID (5.9L)	6.000in./152.4mmX6.375in./161.9mm	7	145 145 CID (2.4L) LPG	3.625in./92.1mmX3.500in./88.9mm	13
720 378 CID (6.2L) Diesel	6.125in./155.6mmX6.375in./161.9mm	7	155 155 CID (2.5L) Diesel	3.750in./95.3mmX3.500in./88.9mm	13
730 362 CID (5.9L)	6.000in./152.4mmX6.375in./161.9mm	7	165 165 CID (2.7L)	3.875in./98.4mmX3.500in./88.9mm	13
730 378 CID (6.2L) Diesel	6.125in./155.6mmX6.375in./161.9mm	7	165 165 CID (2.7L) Diesel	3.875in./98.4mmX3.500in./88.9mm	13
A 309 CID (5.1L)	5.500in./139.7mmX6.500in./165.1mm	5	201 201 CID (3.3L)	4.000in./101.6mmX4.000in./101.6mm	15
B 175 CID (2.9L)	4.500in./114.3mmX5.500in./139.7mm	2	227 227 CID (3.7L)	4.250in./108mmX4.000in./101.6mm	15
M 100.5 CID (1.6L)	4.000in./101.6mmX4.000in./101.6mm	1	254 254 CID (4.2L) Diesel	4.125in./104.8mmX4.750in./120.7mm	20
3 CYL			4180G 180 CID (3.0L)	3.858in./98mmX3.858in./98mm	14
3135G 135 CID (2.2L)	3.858in./98mmX3.858in./98mm	8	4202D 202 CID (3.3L) Diesel	3.858in./98mmX4.328in./109.9mm	16
3152D 152 CID (2.5L) Diesel	3.858in./98mmX4.328in./109.9mm	9	4202G 202 CID (3.3L)	3.858in./98mmX4.328in./109.9mm	14
			4219D 219 CID (3.6L) Diesel	4.020in./102.108mmX4.328in./109.9mm	17

JOHN DEERE (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL (Cont.)			6 CYL (Cont.)		
4219G 219 CID (3.6L)	4.020in./102.108mmX4.328in./109.9mm	18	6329G 329 CID (5.4L)	4.020in./102.108mmX4.330in./110mm	29
4219T 219 CID (3.6L) Diesel Turbocharged	4.020in./102.108mmX4.328in./109.9mm	17	6329T 329 CID (5.4L) Diesel Turbocharged	4.016in./102mmX4.330in./110mm	30
4239D 239 CID (3.9L) Diesel	4.188in./106.4mmX4.328in./109.9mm	19	6341 341 CID (5.6L)	4.250in./108mmX4.000in./101.6mm	27
4239T 239 CID (3.9L) Diesel Turbocharged	4.188in./106.4mmX4.328in./109.9mm	19	6359D 359 CID (5.9L) Diesel	4.188in./106.4mmX4.330in./110mm	28
4270D 270 CID (4.4L) Diesel	4.250in./108mmX4.750in./120.7mm	21	6359T 359 CID (5.9L) Diesel Turbocharged	4.188in./106.4mmX4.330in./110mm	28
4276D 276 CID (4.5L) Diesel	4.188in./106.4mmX5.000in./127mm	22	6362 362 CID (5.9L) Flex	4.250in./108mmX4.250in./108mm	31
4276T 276 CID (4.5L) Diesel Turbocharged	4.188in./106.4mmX5.000in./127mm	22	6404A 404 CID (6.6L) Diesel Turbocharged/Aftercooled	4.250in./108mmX4.750in./120.7mm	33
6 CYL			6404D 404 CID (6.6L) Diesel	4.250in./108mmX4.750in./120.7mm	32
6-71 Detroit Diesel 426 CID (7.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	35	6404T 404 CID (6.6L) Diesel Turbocharged	4.250in./108mmX4.750in./120.7mm	33
6-71E Detroit Diesel 426 CID (7.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	35	6414D 414 CID (6.8L) Diesel	4.188in./106.4mmX5.000in./127mm	34
217 217 CID (3.6L)	3.625in./92.1mmX3.500in./88.9mm	23	6414T 414 CID (6.8L) Diesel Turbocharged	4.188in./106.4mmX5.000in./127mm	34
217 217 CID (3.6L) CNG	3.625in./92.1mmX3.500in./88.9mm	23	6466A 466 CID (7.6L) Diesel Turbocharged/Intercooled	4.563in./115.9mmX4.750in./120.7mm	36
217 217 CID (3.6L) LPG	3.625in./92.1mmX3.500in./88.9mm	23	6466D 466 CID (7.6L) Diesel	4.563in./115.9mmX4.750in./120.7mm	37
248 248 CID (4.1L) Diesel	3.875in./98.4mmX3.500in./88.9mm	26	6466T 466 CID (7.6L) Diesel Turbocharged	4.563in./115.9mmX4.750in./120.7mm	36
248 248 CID (4.1L)	3.875in./98.4mmX3.500in./88.9mm	25	6531A 531 CID (8.7L) Diesel Turbocharged/Aftercooled	4.750in./120.7mmX5.000in./127mm	38
248 248 CID (4.1L) LPG	3.875in./98.4mmX3.500in./88.9mm	25	6531D 531 CID (8.7L) Diesel	4.750in./120.7mmX5.000in./127mm	38
301 301 CID (4.9L)	4.000in./101.6mmX4.000in./101.6mm	27	6619A 619 CID (10.1L) Diesel Turbocharged/Intercooled	5.125in./130.2mmX5.000in./127mm	39
362 362 CID (5.9L)	4.250in./108mmX4.000in./101.6mm	31	6619TA 619 CID (10.1L) Diesel Turbocharged/Intercooled	5.125in./130.2mmX5.000in./127mm	39
381 381 CID (6.2L) Diesel	4.125in./104.8mmX4.750in./120.7mm	32	QXD3 Hercules 230 CID (3.8L)	3.438in./87.33mmX4.125in./104.8mm	24
6303D 303 CID (5.0L) Diesel	3.858in./98mmX4.328in./109.9mm	28			
6303G 303 CID (5.0L)	3.858in./98mmX4.330in./110mm	29			
6303L 303 CID (5.0L) LPG	3.858in./98mmX4.328in./109.9mm	29			
6329D 329 CID (5.4L) Diesel	4.020in./102.108mmX4.328in./109.9mm	28			

MODEL DATA

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
40 Base Model	Wheel Tractor	100.5 CID (1.6L) M	1	105 Base Model	Combine	248 CID (4.1L) 248 Diesel	26
40 Base Model	Combine	115 CID (1.9L) 115	13	105 Base Model	Combine	341 CID (5.6L) 6341	27
45 Base Model	Combine	145 CID (2.4L) 145	13	105 Base Model	Combine	362 CID (5.9L) 362	31
45 Base Model	Combine	155 CID (2.5L) 155 Diesel	13	105 Base Model	Combine	404 CID (6.6L) 6404D	32
45 Base Model	Combine	165 CID (2.7L) 165 Diesel	13			Diesel	
45 Base Model	Combine	180 CID (3.0L) 4180G	14	105R Base Model	Combine	248 CID (4.1L) 248 Diesel	26
50 Base Model	Wheel Tractor	190 CID (3.1L) 50	2	105R Base Model	Combine	341 CID (5.6L) 6341	27
55 Base Model	Combine	217 CID (3.6L) 217	23	105R Base Model	Combine	362 CID (5.9L) 362	31
55 Base Model	Combine	248 CID (4.1L) 248 Diesel	26	105R Base Model	Combine	404 CID (6.6L) 6404D	32
55 Base Model	Combine	303 CID (5.0L) 6303G	29			Diesel	
55R Base Model	Combine	217 CID (3.6L) 217	23	115 Base Model	Power Unit	115 CID (1.9L) 115	13
55R Base Model	Combine	303 CID (5.0L) 6303G	29	135 Base Model	Power Unit	135 CID (2.2L) 3135G	8
60 Base Model	Wheel Tractor	321 CID (5.3L) 60	6	145 Base Model	Power Unit	145 CID (2.4L) 145 Diesel	13
65 Base Model	Combine	217 CID (3.6L) 217	23	152 Base Model	Power Unit	152 CID (2.5L) 3152D	9
65 Base Model	Combine	230 CID (3.8L) QXD3 Hercules	24			Diesel	
67 Base Model	Combine	217 CID (3.6L) 217	23	155 Base Model	Power Unit	155 CID (2.5L) 155 Diesel	13
70 Base Model	Excavator	239 CID (3.9L) 4239D Diesel	19	155 Base Model	Power Unit	165 CID (2.7L) 165 Diesel	13
				165 Base Model	Power Unit	165 CID (2.7L) 165 Diesel	13
70 Base Model	Wheel Tractor	378 CID (6.2L) 70 Diesel	7	180 Base Model	Power Unit	180 CID (3.0L) 4180G	14
70D Base Model	Excavator	239 CID (3.9L) 4239D Diesel	19	202 Base Model	Power Unit	202 CID (3.3L) 4202G	14
				210C Base Model	Loader	239 CID (3.9L) 4239D	19
						Diesel	
90 Base Model	Combine	217 CID (3.6L) 217	23	217 Base Model	Power Unit	217 CID (3.6L) 217	23
95 Base Model	Combine	217 CID (3.6L) 217	23	248 Base Model	Power Unit	248 CID (4.1L) 248	25
95 Base Model	Combine	248 CID (4.1L) 248 Diesel	26	290D Base Model	Excavator	239 CID (3.9L) 4239D	19
95 Base Model	Combine	303 CID (5.0L) 6303G	29			Diesel	
95H Base Model	Combine	217 CID (3.6L) 217	23	301A Base Model	Wheel Tractor	152 CID (2.5L) 3152D	9
95H Base Model	Combine	303 CID (5.0L) 6303G	29			Diesel	
95LL Base Model	Combine	217 CID (3.6L) 217	23	302 Base Model	Wheel Tractor	164 CID (2.7L) 3164D	10
95LL Base Model	Combine	303 CID (5.0L) 6303G	29			Diesel	
95R Base Model	Combine	217 CID (3.6L) 217	23	303 Base Model	Power Unit	303 CID (5.0L) 6303G	29
95R Base Model	Combine	303 CID (5.0L) 6303G	29	310 Base Model	Loader	179 CID (2.9L) 3179D	12
99 Base Model	Cotton Picker	217 CID (3.6L) 217	23			Diesel	

JOHN DEERE (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
310C Base Model	Loader	239 CID (3.9L) 4239T Diesel	19	499 Base Model	Cotton Picker	329 CID (5.4L) 6329G Diesel	29
310D Base Model	Loader	239 CID (3.9L) 4239T Diesel	19	510B Base Model	Loader	276 CID (4.5L) 4276T Diesel	22
315C Base Model	Loader	239 CID (3.9L) 4239T Diesel	19	510C Base Model	Loader	276 CID (4.5L) 4276T Diesel	22
320 Base Model	Wheel Tractor	100.5 CID (1.6L) M	1	515B Base Model	Loader	239 CID (3.9L) 4239T Diesel	19
329 Base Model	Harvester	219 CID (3.6L) 4219D Diesel	17	520 Base Model	Wheel Tractor	190 CID (3.1L) 520	3
329 Base Model	Power Unit	329 CID (5.4L) 6329D Diesel	28	520 Base Model	Wheel Tractor	219 CID (3.6L) 4219D Diesel	17
330 Base Model	Wheel Tractor	100.5 CID (1.6L) M	1	530 Base Model	Wheel Tractor	190 CID (3.1L) 530	3
340D Base Model	Skidder	276 CID (4.5L) 4276T Diesel	22	540B Base Model	Skidder	276 CID (4.5L) 4276T Diesel	22
341 Base Model	Power Unit	341 CID (5.6L) 6341 Diesel	27	540D Base Model	Skidder	276 CID (4.5L) 4276T Diesel	22
350D Base Model	Crawler	179 CID (2.9L) 3179D Diesel	12	544C Base Model	Loader	414 CID (6.8L) 6414T Diesel	34
355D Base Model	Crawler	179 CID (2.9L) 3179D Diesel	12	544D Base Model	Loader	414 CID (6.8L) 6414T Diesel	34
362 Base Model	Power Unit	362 CID (5.9L) 362	31	544E Base Model	Loader	359 CID (5.9L) 6359T Diesel	28
400G Base Model	Crawler	239 CID (3.9L) 4239D Diesel	19	544EH Base Model	Loader	359 CID (5.9L) 6359T Diesel	28
401 Base Model	Wheel Tractor	219 CID (3.6L) 4219D Diesel	17	548D Base Model	Skidder	276 CID (4.5L) 4276T Diesel	22
404 Base Model	Power Unit	404 CID (6.6L) 6404D Diesel	32	550 Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22
410C Base Model	Loader	276 CID (4.5L) 4276T Diesel	22	550A Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22
415B Base Model	Loader	239 CID (3.9L) 4239D Diesel	19	550B Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22
420 Base Model	Wheel Tractor	113 CID (1.9L) 113	1	550G Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22
428 Base Model	Picker	329 CID (5.4L) 6329G Diesel	29	555 Base Model	Dozer	276 CID (4.5L) 4276T Diesel	22
430 Base Model	Wheel Tractor	113 CID (1.9L) 113	1	555A Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22
430C Base Model	Crawler	113 CID (1.9L) 113	1	555B Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22
440 Base Model	Wheel Tractor	113 CID (1.9L) 113	1	555G Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22
440C Base Model	Skidder	276 CID (4.5L) 4276T Diesel	22	570B Base Model	Loader	359 CID (5.9L) 6359T Diesel	28
440D Base Model	Skidder	276 CID (4.5L) 4276T Diesel	22	590D Base Model	Excavator	276 CID (4.5L) 4276T Diesel	22
440IC Base Model	Crawler	113 CID (1.9L) 113	1	595 Base Model	Excavator	276 CID (4.5L) 4276T Diesel	22
444D Base Model	Loader	359 CID (5.9L) 6359T Diesel	28	595D Base Model	Excavator	276 CID (4.5L) 4276T Diesel	22
444E Base Model	Loader	276 CID (4.5L) 4276T Diesel	22	600 Base Model	Power Unit	115 CID (1.9L) 115	13
446D Base Model	Skidder	276 CID (4.5L) 4276T Diesel	22	610B Base Model	Loader	276 CID (4.5L) 4276T Diesel	22
448D Base Model	Skidder	276 CID (4.5L) 4276T Diesel	22	610C Base Model	Loader	276 CID (4.5L) 4276T Diesel	22
450BT Base Model	Wheel Tractor	329 CID (5.4L) 6329T Diesel	30	620 Base Model	Wheel Tractor	303 CID (5.0L) 620	4
450E Base Model	Dozer	276 CID (4.5L) 4276T Diesel	22	624E Base Model	Loader	414 CID (6.8L) 6414T Diesel	34
450G Base Model	Dozer	276 CID (4.5L) 4276T Diesel	22	630 Base Model	Wheel Tractor	303 CID (5.0L) 630	4
455E Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22	640 Base Model	Skidder	414 CID (6.8L) 6414T Diesel	34
455G Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22	640D Base Model	Skidder	414 CID (6.8L) 6414T Diesel	34
482 Base Model	Cotton Picker	329 CID (5.4L) 6329G Diesel	29	643 Base Model	Feller-Buncher	414 CID (6.8L) 6414T Diesel	34
482C Base Model	Fork Lift	239 CID (3.9L) 4239D Diesel	19	644D Base Model	Loader	466 CID (7.6L) 6466T Diesel	36
484 Base Model	Cotton Picker	329 CID (5.4L) 6329G Diesel	29	644E Base Model	Loader	414 CID (6.8L) 6414T Diesel	34
490 Base Model	Excavator	239 CID (3.9L) 4239T Diesel	19	648D Base Model	Skidder	414 CID (6.8L) 6414T Diesel	34
490D Base Model	Excavator	276 CID (4.5L) 4276D Diesel	22				
495D Base Model	Excavator	276 CID (4.5L) 4276T Diesel	22				
499 Base Model	Cotton Picker	219 CID (3.6L) 4219D Diesel	17				

JOHN DEERE (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
650G Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22	1010C Base Model	Crawler	145 CID (2.4L) 145 Diesel	13
655 Base Model	Crawler	414 CID (6.8L) 6414T Diesel	34	1010CA Base Model	Crawler	115 CID (1.9L) 115	13
655B Base Model	Crawler	414 CID (6.8L) 6414T Diesel	34	1010CA Base Model	Crawler	145 CID (2.4L) 145 Diesel	13
670A Base Model	Grader	414 CID (6.8L) 6414T Diesel	34	1020 Base Model	Crawler	115 CID (1.9L) 115	13
670B Base Model	Grader	414 CID (6.8L) 6414T Diesel	34	1020 Base Model	Wheel Tractor	135 CID (2.2L) 3135G	8
672 Base Model	Grader	414 CID (6.8L) 6414T Diesel	34	1020 Base Model	Crawler	145 CID (2.4L) 145 Diesel	13
672A Base Model	Grader	414 CID (6.8L) 6414T Diesel	34	1020 Base Model	Wheel Tractor	152 CID (2.5L) 3152D Diesel	9
672B Base Model	Grader	414 CID (6.8L) 6414T Diesel	34	1520 Base Model	Wheel Tractor	164 CID (2.7L) 3164G	11
690C Base Model	Excavator	466 CID (7.6L) 6466T Diesel	36	1530 Base Model	Wheel Tractor	164 CID (2.7L) 3164G	11
690D Base Model	Excavator	414 CID (6.8L) 6414T Diesel	34	2010 Base Model	Wheel Tractor	145 CID (2.4L) 145	13
693C Base Model	Feller-Buncher	466 CID (7.6L) 6466T Diesel	36	2010 Base Model	Wheel Tractor	165 CID (2.7L) 165 Diesel	13
693D Base Model	Feller-Buncher	414 CID (6.8L) 6414T Diesel	34	2010C Base Model	Crawler	145 CID (2.4L) 145	13
699 Base Model	Cotton Picker	303 CID (5.0L) 6303G	29	2010C Base Model	Crawler	165 CID (2.7L) 165 Diesel	13
699 Base Model	Cotton Picker	329 CID (5.4L) 6329G	29	2020 Base Model	Wheel Tractor	180 CID (3.0L) 4180G	14
700 Base Model	Power Unit	115 CID (1.9L) 115	13	2020 Base Model	Wheel Tractor	202 CID (3.3L) 4202G	14
710B Base Model	Loader	359 CID (5.9L) 6359T Diesel	28	2030 Base Model	Wheel Tractor	219 CID (3.6L) 4219G	18
710C Base Model	Loader	359 CID (5.9L) 6359T Diesel	28	2040 Base Model	Wheel Tractor	164 CID (2.7L) 3164D Diesel	10
720 Base Model	Wheel Tractor	362 CID (5.9L) 720	7	2040 Base Model	Wheel Tractor	179 CID (2.9L) 3179D Diesel	12
720 Base Model	Wheel Tractor	378 CID (6.2L) 720 Diesel	7	2150 Base Model	Wheel Tractor	179 CID (2.9L) 3179D Diesel	12
730 Base Model	Wheel Tractor	362 CID (5.9L) 730	7	2155 Base Model	Wheel Tractor	179 CID (2.9L) 3179D Diesel	12
730 Base Model	Wheel Tractor	378 CID (6.2L) 730 Diesel	7	2240 Base Model	Wheel Tractor	179 CID (2.9L) 3179D Diesel	12
750 Base Model	Crawler	414 CID (6.8L) 6414T Diesel	34	2250 Base Model	Wheel Tractor	179 CID (2.9L) 3179D Diesel	12
750B Base Model	Crawler	414 CID (6.8L) 6414T Diesel	34	2255 Base Model	Wheel Tractor	179 CID (2.9L) 3179D Diesel	12
755 Base Model	Crawler	414 CID (6.8L) 6414T Diesel	34	2255OV Base Model	Wheel Tractor	179 CID (2.9L) 3179D Diesel	12
755A Base Model	Crawler	414 CID (6.8L) 6414T Diesel	34	2270 Base Model	Windrower	219 CID (3.6L) 4219D Diesel	17
755B Base Model	Crawler	414 CID (6.8L) 6414T Diesel	34	2280 Base Model	Windrower	219 CID (3.6L) 4219D Diesel	17
770A Base Model	Wheel Tractor	531 CID (8.7L) 6531D Diesel	38	2340 Base Model	Windrower	219 CID (3.6L) 4219D Diesel	17
770B Base Model	Grader	466 CID (7.6L) 6466T Diesel	36	2350 Base Model	Wheel Tractor	239 CID (3.9L) 4239D Diesel	19
772A Base Model	Wheel Tractor	531 CID (8.7L) 6531D Diesel	38	2355 Base Model	Wheel Tractor	239 CID (3.9L) 4239D Diesel	19
772B Base Model	Grader	466 CID (7.6L) 6466T Diesel	36	2360 Base Model	Windrower	239 CID (3.9L) 4239D Diesel	19
790 Base Model	Wheel Tractor	466 CID (7.6L) 6466A Diesel	36	2420 Base Model	Windrower	219 CID (3.6L) 4219D Diesel	17
792 Base Model	Wheel Tractor	466 CID (7.6L) 6466A Diesel	36	2440 Base Model	Wheel Tractor	219 CID (3.6L) 4219D Diesel	17
800 Base Model	Windrower	180 CID (3.0L) 4180G	14	2510 Base Model	Wheel Tractor	180 CID (3.0L) 4180G	14
800 Base Model	Windrower	202 CID (3.3L) 4202G	14	2510 Base Model	Wheel Tractor	202 CID (3.3L) 4202D Diesel	16
820 Base Model	Wheel Tractor	152 CID (2.5L) 3152D Diesel	9	2520 Base Model	Wheel Tractor	202 CID (3.3L) 4202G	14
830 Base Model	Wheel Tractor	152 CID (2.5L) 3152D Diesel	9	2520 Base Model	Wheel Tractor	219 CID (3.6L) 4219D Diesel	17
850 Base Model	Wheel Tractor	619 CID (10.1L) 6619A Diesel	39	2550 Base Model	Wheel Tractor	239 CID (3.9L) 4239D Diesel	19
880 Base Model	Windrower	180 CID (3.0L) 4180G	14	2555 Base Model	Wheel Tractor	239 CID (3.9L) 4239D Diesel	19
880 Base Model	Windrower	202 CID (3.3L) 4202G	14	2630 Base Model	Wheel Tractor	276 CID (4.5L) 4276D Diesel	22
1010 Base Model	Wheel Tractor	115 CID (1.9L) 115	13	2640 Base Model	Wheel Tractor	276 CID (4.5L) 4276D Diesel	22
1010 Base Model	Wheel Tractor	145 CID (2.4L) 145 Diesel	13	2750 Base Model	Wheel Tractor	239 CID (3.9L) 4239T Diesel	19
1010 Crawler	Fork Lift	165 CID (2.7L) 165 Diesel	13	2755 Base Model	Wheel Tractor	239 CID (3.9L) 4239T Diesel	19
1010C Base Model	Crawler	115 CID (1.9L) 115	13	2840 Base Model	Wheel Tractor	329 CID (5.4L) 6329D Diesel	28

JOHN DEERE (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
2855 Base Model	Wheel Tractor	239 CID (3.9L) 4239T Diesel	19	4520 Base Model	Wheel Tractor	404 CID (6.6L) 6404T Diesel	33
2940 Base Model	Wheel Tractor	359 CID (5.9L) 6359D Diesel	28	4620 Base Model	Wheel Tractor	404 CID (6.6L) 6404A Diesel	33
2950 Base Model	Wheel Tractor	359 CID (5.9L) 6359D Diesel	28	4630 Base Model	Wheel Tractor	404 CID (6.6L) 6404A Diesel	33
3010 Base Model	Wheel Tractor	201 CID (3.3L) 201	15	4640 Base Model	Wheel Tractor	466 CID (7.6L) 6466A Diesel	36
3010 Base Model	Wheel Tractor	254 CID (4.2L) 254 Diesel	20	4650 Base Model	Wheel Tractor	466 CID (7.6L) 6466A Diesel	36
3010 Base Model	Wheel Tractor	270 CID (4.4L) 4270D Diesel	21	4840 Base Model	Wheel Tractor	466 CID (7.6L) 6466A Diesel	36
3020 Base Model	Wheel Tractor	227 CID (3.7L) 227	15	4850 Base Model	Wheel Tractor	466 CID (7.6L) 6466A Diesel	36
3020 Base Model	Wheel Tractor	270 CID (4.4L) 4270D Diesel	21	5010 Base Model	Wheel Tractor	531 CID (8.7L) 6531D Diesel	38
3150 Base Model	Wheel Tractor	359 CID (5.9L) 6359D Diesel	28	5020 Base Model	Wheel Tractor	531 CID (8.7L) 6531D Diesel	38
3300 Base Model	Combine	202 CID (3.3L) 4202G	14	5200 Base Model	Harvester	404 CID (6.6L) 6404A Diesel	33
3300 Base Model	Combine	219 CID (3.6L) 4219G	18	5200 Base Model	Harvester	531 CID (8.7L) 6531A Diesel	38
3430 Base Model	Windrower	239 CID (3.9L) 4239T Diesel	19	5400 Base Model	Harvester	404 CID (6.6L) 6404A Diesel	33
3830 Base Model	Windrower	239 CID (3.9L) 4239T Diesel	19	5400 Base Model	Harvester	531 CID (8.7L) 6531A Diesel	38
4000 Base Model	Wheel Tractor	341 CID (5.6L) 6341	27	5440 Base Model	Harvester	404 CID (6.6L) 6404A Diesel	33
4000 Base Model	Wheel Tractor	362 CID (5.9L) 6362	31	5440 Base Model	Harvester	619 CID (10.1L) 6619TA Diesel	39
4000 Base Model	Wheel Tractor	404 CID (6.6L) 6404D Diesel	32	5640 Base Model	Harvester	404 CID (6.6L) 6404T Diesel	33
4010 Base Model	Wheel Tractor	301 CID (4.9L) 301	27	5640 Base Model	Harvester	619 CID (10.1L) 6619A Diesel	39
4010 Base Model	Wheel Tractor	381 CID (6.2L) 381 Diesel	32	5720 Base Model	Harvester	466 CID (7.6L) 6466A Diesel	36
4020 Base Model	Wheel Tractor	341 CID (5.6L) 6341	27	5730 Base Model	Harvester	466 CID (7.6L) 6466A Diesel	36
4020 Base Model	Wheel Tractor	362 CID (5.9L) 6362	31	5820 Base Model	Harvester	619 CID (10.1L) 6619A Diesel	39
4020 Base Model	Wheel Tractor	404 CID (6.6L) 6404D Diesel	32	5822 Base Model	Harvester	619 CID (10.1L) 6619A Diesel	39
4030 Base Model	Wheel Tractor	219 CID (3.6L) 4219D Diesel	17	6000 Base Model	Sprayer	219 CID (3.6L) 4219D Diesel	17
4030 Base Model	Wheel Tractor	329 CID (5.4L) 6329D Diesel	28	6030 Base Model	Wheel Tractor	531 CID (8.7L) 6531D Diesel	38
4040 Base Model	Wheel Tractor	404 CID (6.6L) 6404D Diesel	32	6030NA Base Model	Wheel Tractor	531 CID (8.7L) 6531D Diesel	38
4050 Base Model	Wheel Tractor	466 CID (7.6L) 6466D Diesel	37	6540 Base Model	Wheel Tractor	619 CID (10.1L) 6619A Diesel	39
4055 Base Model	Wheel Tractor	466 CID (7.6L) 6466T Diesel	36	6545 Base Model	Wheel Tractor	619 CID (10.1L) 6619A Diesel	39
4230 Base Model	Wheel Tractor	303 CID (5.0L) 6303G	29	6600 Base Model	Combine	303 CID (5.0L) 6303G	29
4230 Base Model	Wheel Tractor	404 CID (6.6L) 6404D Diesel	32	6600 Base Model	Combine	329 CID (5.4L) 6329D Diesel	28
4240 Base Model	Wheel Tractor	466 CID (7.6L) 6466D Diesel	37	6600 Base Model	Combine	404 CID (6.6L) 6404T Diesel	33
4250 Base Model	Wheel Tractor	466 CID (7.6L) 6466T Diesel	36	6602 Base Model	Combine	362 CID (5.9L) 362	31
4255 Base Model	Wheel Tractor	466 CID (7.6L) 6466T Diesel	36	6602 Base Model	Combine	404 CID (6.6L) 6404T Diesel	33
4320 Base Model	Wheel Tractor	404 CID (6.6L) 6404T Diesel	33	6602 Base Model	Combine	466 CID (7.6L) 6466T Diesel	36
4400 Base Model	Combine	219 CID (3.6L) 4219D Diesel	17	6620 Base Model	Combine	466 CID (7.6L) 6466T Diesel	36
4400 Base Model	Combine	329 CID (5.4L) 6329D Diesel	28	6620SH Base Model	Combine	466 CID (7.6L) 6466T Diesel	36
4401 Base Model	Wheel Tractor	113 CID (1.9L) 113	1	6622 Base Model	Combine	466 CID (7.6L) 6466T Diesel	36
4401C Base Model	Crawler	113 CID (1.9L) 113	1	7020 Base Model	Wheel Tractor	404 CID (6.6L) 6404A Diesel	33
4420 Base Model	Combine	329 CID (5.4L) 6329D Diesel	28				
4420 Base Model	Combine	359 CID (5.9L) 6359D Diesel	28				
4430 Base Model	Wheel Tractor	404 CID (6.6L) 6404T Diesel	33				
4440 Base Model	Wheel Tractor	466 CID (7.6L) 6466T Diesel	36				
4450 Base Model	Wheel Tractor	466 CID (7.6L) 6466T Diesel	36				
4455 Base Model	Wheel Tractor	466 CID (7.6L) 6466T Diesel	36				

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MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
7440 Base Model	Cotton Picker	359 CID (5.9L) 6359D Diesel	28	EA180G Base Model	Power Unit	180 CID (3.0L) 4180G	14
7520 Base Model	Wheel Tractor	531 CID (8.7L) 6531A Diesel	38	EA202D Base Model	Power Unit	202 CID (3.3L) 4202D Diesel	16
7700 Base Model	Combine	362 CID (5.9L) 362	31	EA217G Base Model	Power Unit	217 CID (3.6L) 217	23
7700 Base Model	Combine	404 CID (6.6L) 6404T Diesel	33	EB145G Base Model	Power Unit	145 CID (2.4L) 145	13
7720 Base Model	Combine	466 CID (7.6L) 6466T Diesel	36	HA115 Base Model	Power Unit	115 CID (1.9L) 115	13
8010 Base Model	Wheel Tractor	426 CID (7.0L) 6-71E Detroit Diesel Diesel	35	HA145 Base Model	Wheel Tractor	145 CID (2.4L) 145	13
8020 Base Model	Wheel Tractor	426 CID (7.0L) 6-71E Detroit Diesel Diesel	35	HA145G Base Model	Power Unit	145 CID (2.4L) 145	13
8430 Base Model	Wheel Tractor	466 CID (7.6L) 6466A Diesel	36	HA155 Base Model	Power Unit	155 CID (2.5L) 155 Diesel	13
8440 Base Model	Wheel Tractor	466 CID (7.6L) 6466A Diesel	36	HA155D Base Model	Power Unit	155 CID (2.5L) 155 Diesel	13
8450 Base Model	Wheel Tractor	466 CID (7.6L) 6466A Diesel	36	HA165 Base Model	Power Unit	165 CID (2.7L) 165 Diesel	13
8630 Base Model	Wheel Tractor	619 CID (10.1L) 6619TA Diesel	39	HA165D Base Model	Power Unit	165 CID (2.7L) 165 Diesel	13
8640 Base Model	Wheel Tractor	619 CID (10.1L) 6619TA Diesel	39	HA165G Base Model	Power Unit	165 CID (2.7L) 165	13
8650 Base Model	Wheel Tractor	619 CID (10.1L) 6619TA Diesel	39	HA180G Base Model	Power Unit	180 CID (3.0L) 4180G	14
8820 Base Model	Combine	466 CID (7.6L) 6466A Diesel	36	HA217G Base Model	Power Unit	217 CID (3.6L) 217	23
9000HD Base Model	Harvester	329 CID (5.4L) 6329D Diesel	28	HA217L Base Model	Power Unit	217 CID (3.6L) 217	23
9900 Base Model	Picker	359 CID (5.9L) 6359D Diesel	28	HA219D Base Model	Power Unit	219 CID (3.6L) 4219D Diesel	17
9900LD Base Model	Harvester	329 CID (5.4L) 6329D Diesel	28	HA248D Base Model	Power Unit	248 CID (4.1L) 248 Diesel	26
9910 Base Model	Cotton Picker	359 CID (5.9L) 6359D Diesel	28	HA248G Base Model	Power Unit	248 CID (4.1L) 248	25
9920 Base Model	Cotton Picker	359 CID (5.9L) 6359D Diesel	28	HA303D Base Model	Power Unit	303 CID (5.0L) 6303D Diesel	28
9940 Base Model	Cotton Picker	466 CID (7.6L) 6466A Diesel	36	HA303G Base Model	Power Unit	303 CID (5.0L) 6303G	29
9950 Base Model	Cotton Picker	466 CID (7.6L) 6466A Diesel	36	HA303L Base Model	Power Unit	303 CID (5.0L) 6303L	29
A Base Model	Wheel Tractor	309 CID (5.1L) A	5	HA341G Base Model	Power Unit	341 CID (5.6L) 6341	27
A Base Model	Wheel Tractor	321 CID (5.3L) 60	6	HA Base Model	Wheel Tractor	217 CID (3.6L) 217	23
AH Base Model	Wheel Tractor	309 CID (5.1L) A	5	HB115 Base Model	Power Unit	115 CID (1.9L) 115	13
AI Base Model	Wheel Tractor	309 CID (5.1L) A	5	HB115G Base Model	Power Unit	115 CID (1.9L) 115	13
AN Base Model	Wheel Tractor	309 CID (5.1L) A	5	HB115GH Base Model	Power Unit	115 CID (1.9L) 115	13
AN Base Model	Wheel Tractor	321 CID (5.3L) 60	6	HB145 Base Model	Wheel Tractor	145 CID (2.4L) 145	13
ANH Base Model	Wheel Tractor	309 CID (5.1L) A	5	HB145G Base Model	Power Unit	145 CID (2.4L) 145	13
ANH Base Model	Wheel Tractor	321 CID (5.3L) 60	6	HB165D Base Model	Power Unit	165 CID (2.7L) 165 Diesel	13
AO Base Model	Wheel Tractor	309 CID (5.1L) A	5	HB165G Base Model	Power Unit	165 CID (2.7L) 165	13
AO Base Model	Wheel Tractor	321 CID (5.3L) 60	6	HB202G Base Model	Power Unit	202 CID (3.3L) 4202G	14
AR Base Model	Wheel Tractor	309 CID (5.1L) A	5	HB217G Base Model	Power Unit	217 CID (3.6L) 217	23
AR Base Model	Wheel Tractor	321 CID (5.3L) 60	6	HB217L Base Model	Power Unit	217 CID (3.6L) 217	23
AW Base Model	Wheel Tractor	309 CID (5.1L) A	5	HB248D Base Model	Power Unit	248 CID (4.1L) 248 Diesel	26
AW Base Model	Wheel Tractor	321 CID (5.3L) 60	6	HB248G Base Model	Power Unit	248 CID (4.1L) 248	25
AWH Base Model	Wheel Tractor	309 CID (5.1L) A	5	HB248L Base Model	Power Unit	248 CID (4.1L) 248	25
AWH Base Model	Wheel Tractor	321 CID (5.3L) 60	6	HB303D Base Model	Power Unit	303 CID (5.0L) 6303D Diesel	28
B Base Model	Wheel Tractor	175 CID (2.9L) B	2	HB303G Base Model	Power Unit	303 CID (5.0L) 6303G	29
B Base Model	Wheel Tractor	190 CID (3.1L) 50	2	HB303L Base Model	Power Unit	303 CID (5.0L) 6303L	29
BA248G Base Model	Power Unit	248 CID (4.1L) 248	25	HB Base Model	Wheel Tractor	217 CID (3.6L) 217	23
BI Base Model	Wheel Tractor	175 CID (2.9L) B	2	HC145 Base Model	Wheel Tractor	145 CID (2.4L) 145	13
BN Base Model	Wheel Tractor	175 CID (2.9L) B	2	HC145L Base Model	Power Unit	145 CID (2.4L) 145	13
BN Base Model	Wheel Tractor	190 CID (3.1L) 50	2	HC217 Base Model	Power Unit	217 CID (3.6L) 217	23
BO Base Model	Wheel Tractor	175 CID (2.9L) B	2	HC219D Base Model	Power Unit	219 CID (3.6L) 4219D Diesel	17
BR Base Model	Wheel Tractor	175 CID (2.9L) B	2	HC303G Base Model	Power Unit	303 CID (5.0L) 6303G	29
BW Base Model	Wheel Tractor	175 CID (2.9L) B	2	HC Base Model	Wheel Tractor	217 CID (3.6L) 217	23
BW Base Model	Wheel Tractor	190 CID (3.1L) 50	2	HD145G Base Model	Power Unit	145 CID (2.4L) 145	13
EA115 Base Model	Power Unit	115 CID (1.9L) 115	13	HD217 Base Model	Power Unit	217 CID (3.6L) 217	23
EA145G Base Model	Power Unit	145 CID (2.4L) 145	13	HD303G Base Model	Power Unit	303 CID (5.0L) 6303G	29
				HD329D Base Model	Power Unit	329 CID (5.4L) 6329D Diesel	28
				HD Base Model	Wheel Tractor	217 CID (3.6L) 217	23
				HE217 Base Model	Combine	217 CID (3.6L) 217	23
				HF329G Base Model	Power Unit	329 CID (5.4L) 6329G	29
				HG217 Base Model	Combine	217 CID (3.6L) 217	23
				HG303G Base Model	Power Unit	303 CID (5.0L) 6303G	29
				JD34 Base Model	Excavator	239 CID (3.9L) 4239D Diesel	19
				JD44 Base Model	Excavator	239 CID (3.9L) 4239D Diesel	19
				JD45 Base Model	Crawler	239 CID (3.9L) 4239D Diesel	19
				JD300 Base Model	Wheel Tractor	135 CID (2.2L) 3135G	8

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MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
JD300 Base Model	Wheel Tractor	152 CID (2.5L) 3152D Diesel	9	JD480A Base Model	Fork Lift	180 CID (3.0L) 4180G	14
JD300B Base Model	Loader	135 CID (2.2L) 3135G	8	JD480A Base Model	Fork Lift	202 CID (3.3L) 4202D Diesel	16
JD300B Base Model	Loader	152 CID (2.5L) 3152D Diesel	9	JD480B Base Model	Fork Lift	219 CID (3.6L) 4219G	18
JD301 Base Model	Loader	135 CID (2.2L) 3135G	8	JD480C Base Model	Fork Lift	219 CID (3.6L) 4219G	18
JD301 Base Model	Loader	152 CID (2.5L) 3152D Diesel	9	JD493D Base Model	Feller-Buncher	276 CID (4.5L) 4276D Diesel	22
JD301A Base Model	Loader	135 CID (2.2L) 3135G	8	JD500 Base Model	Loader	227 CID (3.7L) 227	15
JD301A Base Model	Loader	152 CID (2.5L) 3152D Diesel	9	JD500 Base Model	Loader	270 CID (4.4L) 4270D Diesel	21
JD302 Base Model	Loader	164 CID (2.7L) 3164G	11	JD500A Base Model	Loader	227 CID (3.7L) 227	15
JD302A Base Model	Loader	164 CID (2.7L) 3164G	11	JD500A Base Model	Loader	270 CID (4.4L) 4270D Diesel	21
JD303 Base Model	Loader	135 CID (2.2L) 3135G	8	JD500B Base Model	Loader	227 CID (3.7L) 227	15
JD303A Base Model	Loader	303 CID (5.0L) 6303D Diesel	28	JD500B Base Model	Loader	270 CID (4.4L) 4270D Diesel	21
JD303A Base Model	Loader	329 CID (5.4L) 6329D Diesel	28	JD500C Base Model	Loader	270 CID (4.4L) 4270D Diesel	21
JD310 Base Model	Loader	164 CID (2.7L) 3164G	11	JD500G Base Model	Industrial	201 CID (3.3L) 201	15
JD310A Base Model	Loader	219 CID (3.6L) 4219D Diesel	17	JD510 Base Model	Loader	270 CID (4.4L) 4270D Diesel	21
JD310B Base Model	Loader	219 CID (3.6L) 4219D Diesel	17	JD510B Base Model	Loader	276 CID (4.5L) 4276D Diesel	22
JD329 Base Model	Power Unit	329 CID (5.4L) 6329G	29	JD540 Base Model	Skidder	303 CID (5.0L) 6303G	29
JD350 Base Model	Crawler	135 CID (2.2L) 3135G	8	JD540A Base Model	Skidder	329 CID (5.4L) 6329T Diesel	30
JD350 Base Model	Crawler	152 CID (2.5L) 3152D Diesel	9	JD540B Base Model	Skidder	276 CID (4.5L) 4276T Diesel	22
JD350C Base Model	Loader	152 CID (2.5L) 3152D Diesel	9	JD544 Base Model	Loader	303 CID (5.0L) 6303G	29
JD380 Base Model	Fork Lift	135 CID (2.2L) 3135G	8	JD544 Base Model	Loader	329 CID (5.4L) 6329D Diesel	28
JD380 Base Model	Fork Lift	152 CID (2.5L) 3152D Diesel	9	JD544B Base Model	Loader	414 CID (6.8L) 6414T Diesel	34
JD400 Base Model	Skidder	180 CID (3.0L) 4180G	14	JD544C Base Model	Loader	414 CID (6.8L) 6414T Diesel	34
JD400 Base Model	Skidder	202 CID (3.3L) 4202D Diesel	16	JD550 Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22
JD401 Base Model	Wheel Tractor	180 CID (3.0L) 4180G	14	JD555 Base Model	Dozer	276 CID (4.5L) 4276T Diesel	22
JD401 Base Model	Wheel Tractor	202 CID (3.3L) 4202D Diesel	16	JD570 Base Model	Grader	303 CID (5.0L) 6303G	29
JD401B Base Model	Loader	219 CID (3.6L) 4219G	18	JD570A Base Model	Grader	329 CID (5.4L) 6329D Diesel	28
JD401C Base Model	Loader	219 CID (3.6L) 4219D Diesel	17	JD600 Base Model	Loader	301 CID (4.9L) 301	27
JD410 Base Model	Loader	202 CID (3.3L) 4202G	14	JD600 Base Model	Loader	341 CID (5.6L) 6341	27
JD410 Base Model	Loader	219 CID (3.6L) 4219D Diesel	17	JD600 Base Model	Loader	362 CID (5.9L) 6362	31
JD410C Base Model	Loader	276 CID (4.5L) 4276D Diesel	22	JD600 Base Model	Loader	404 CID (6.6L) 6404D Diesel	32
JD440 Base Model	Skidder	180 CID (3.0L) 4180G	14	JD640 Base Model	Skidder	414 CID (6.8L) 6414T Diesel	34
JD440 Base Model	Skidder	202 CID (3.3L) 4202D Diesel	16	JD644 Base Model	Loader	404 CID (6.6L) 6404T Diesel	33
JD440 Base Model	Skidder	219 CID (3.6L) 4219D Diesel	17	JD644A Base Model	Loader	404 CID (6.6L) 6404T Diesel	33
JD440A Base Model	Skidder	219 CID (3.6L) 4219T Diesel	17	JD644C Base Model	Loader	466 CID (7.6L) 6466A Diesel	36
JD440B Base Model	Skidder	219 CID (3.6L) 4219T Diesel	17	JD644C Base Model	Loader	531 CID (8.7L) 6531A Diesel	38
JD440C Base Model	Skidder	276 CID (4.5L) 4276T Diesel	22	JD646 Base Model	Compactor	404 CID (6.6L) 6404T Diesel	33
JD444C Base Model	Loader	329 CID (5.4L) 6329D Diesel	28	JD646B Base Model	Compactor	404 CID (6.6L) 6404T Diesel	33
JD450 Base Model	Loader	180 CID (3.0L) 4180G	14	JD646C Base Model	Compactor	466 CID (7.6L) 6466A Diesel	36
JD450 Base Model	Loader	202 CID (3.3L) 4202D Diesel	16	JD655 Base Model	Loader	414 CID (6.8L) 6414T Diesel	34
JD450B Base Model	Crawler	219 CID (3.6L) 4219T Diesel	17	JD670 Base Model	Grader	414 CID (6.8L) 6414T Diesel	34
JD450C Base Model	Crawler	219 CID (3.6L) 4219T Diesel	17	JD670A Base Model	Grader	414 CID (6.8L) 6414T Diesel	34
JD480 Base Model	Fork Lift	180 CID (3.0L) 4180G	14				
JD480 Base Model	Fork Lift	202 CID (3.3L) 4202D Diesel	16				

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MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
JD672A Base Model	Grader	414 CID (6.8L) 6414T Diesel	34	JD850 Base Model	Crawler	619 CID (10.1L) 6619A Diesel	39
JD690 Base Model	Excavator	404 CID (6.6L) 6404T Diesel	33	JD855 Base Model	Loader	619 CID (10.1L) 6619TA Diesel	39
JD690A Base Model	Excavator	404 CID (6.6L) 6404T Diesel	33	JD862 Base Model	Scraper	619 CID (10.1L) 6619TA Diesel	39
JD690B Base Model	Excavator	404 CID (6.6L) 6404T Diesel	33	JD890 Base Model	Excavator	619 CID (10.1L) 6619TA Diesel	39
JD693B Base Model	Feller-Buncher	404 CID (6.6L) 6404T Diesel	33	M Base Model	Wheel Tractor	100.5 CID (1.6L) M	1
JD700 Base Model	Wheel Tractor	531 CID (8.7L) 6531D Diesel	38	MC Base Model	Wheel Tractor	100.5 CID (1.6L) M	1
JD700A Base Model	Wheel Tractor	531 CID (8.7L) 6531D Diesel	38	MCT Base Model	Wheel Tractor	100.5 CID (1.6L) M	1
JD740 Base Model	Skidder	404 CID (6.6L) 6404A Diesel	33	MI Base Model	Wheel Tractor	100.5 CID (1.6L) M	1
JD740A Base Model	Skidder	466 CID (7.6L) 6466A Diesel	36	MT Base Model	Wheel Tractor	100.5 CID (1.6L) M	1
JD743A Base Model	Feller-Buncher	466 CID (7.6L) 6466A Diesel	36	NA115G Base Model	Power Unit	115 CID (1.9L) 115	13
JD750 Base Model	Crawler	414 CID (6.8L) 6414T Diesel	34	NA217G Base Model	Power Unit	217 CID (3.6L) 217	23
JD755 Base Model	Loader	414 CID (6.8L) 6414T Diesel	34	NA217L Base Model	Power Unit	217 CID (3.6L) 217	23
JD755A Base Model	Loader	414 CID (6.8L) 6414T Diesel	34	NA248D Base Model	Power Unit	248 CID (4.1L) 248 Diesel	26
JD760 Base Model	Scraper	531 CID (8.7L) 6531D Diesel	38	NA248G Base Model	Power Unit	248 CID (4.1L) 248	25
JD760A Base Model	Scraper	531 CID (8.7L) 6531D Diesel	38	NA303D Base Model	Power Unit	303 CID (5.0L) 6303D Diesel	28
JD762 Base Model	Scraper	619 CID (10.1L) 6619A Diesel	39	NA303G Base Model	Power Unit	303 CID (5.0L) 6303G	29
JD762A Base Model	Scraper	466 CID (7.6L) 6466A Diesel	36	NA303L Base Model	Power Unit	303 CID (5.0L) 6303L	29
JD770A Base Model	Grader	531 CID (8.7L) 6531A Diesel	38	NA Base Model	Wheel Tractor	217 CID (3.6L) 217	23
JD772A Base Model	Grader	531 CID (8.7L) 6531A Diesel	38	NB217 Base Model	Combine	217 CID (3.6L) 217	23
				NB217G Base Model	Power Unit	217 CID (3.6L) 217	23
				NB217L Base Model	Power Unit	217 CID (3.6L) 217	23
				NB329D Base Model	Power Unit	329 CID (5.4L) 6329D Diesel	28
				NB329G Base Model	Power Unit	329 CID (5.4L) 6329G	29
				TA145 Base Model	Power Unit	145 CID (2.4L) 145	13
				TA217G Base Model	Power Unit	217 CID (3.6L) 217	23
				TA217L Base Model	Power Unit	217 CID (3.6L) 217	23
				TA217N Base Model	Power Unit	217 CID (3.6L) 217	23
				TA Base Model	Wheel Tractor	217 CID (3.6L) 217	23

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
5144469	5.000in./127mm	35	F1047B	6.375in./161.9mm	7	F2712R	6.375in./161.9mm	7	R26046R	4.000in./101.6mm	15
5150093	5.000in./127mm	35	F1047R	6.375in./161.9mm	7	M29T	4.000in./101.6mm	1	R40238	5.000in./127mm	38
5154265	5.000in./127mm	35	F1792R	6.375in./161.9mm	7	M1691T	4.000in./101.6mm	1	T454T	3.500in./88.9mm	13
A5554R	6.375in./161.9mm	4	F2432R	6.375in./161.9mm	7	MT	4.000in./101.6mm	1			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
6-71	5.000in./127mm	35	M3114T	4.000in./101.6mm	1	T23266T	4.328in./109.9mm	28	T23479T	4.330in./110mm	29
5154256	5.000in./127mm	35	R26530R	4.000in./101.6mm	15	T23266T	4.330in./110mm	29	T23479T	4.330in./110mm	30
5155255	5.000in./127mm	35	R36530R	5.000in./127mm	38	T23266T	4.330in./110mm	30	T23479T	4.330in./110mm	28
5160034	5.000in./127mm	35	T499T	3.500in./88.9mm	13	T23266T	4.330in./110mm	28	T23480T	4.328in./109.9mm	16
5173988	5.000in./127mm	35	T632T	3.500in./88.9mm	13	T23267	4.328in./109.9mm	29	T23483T	3.858in./98mm	14
5179067	5.000in./127mm	35	T633T	3.500in./88.9mm	26	T23267	4.328in./109.9mm	28	T23483T	4.328in./109.9mm	14
5182940	5.000in./127mm	35	T633T	3.500in./88.9mm	25	T23267	4.330in./110mm	29	T23484T	3.858in./98mm	14
A5638R	6.375in./161.9mm	4	T633T	3.500in./88.9mm	23	T23267	4.330in./110mm	30	T23484T	4.328in./109.9mm	14
F1910R	6.375in./161.9mm	7	T13048T	3.000in./76.2mm	13	T23267	4.330in./110mm	28	T23516T	4.328in./109.9mm	29
F2729R	6.375in./161.9mm	7	T17885T	3.000in./76.2mm	13	T23277T	4.328in./109.9mm	29	T23516T	4.328in./109.9mm	28
F2792R	6.375in./161.9mm	7	T23246T	4.328in./109.9mm	29	T23277T	4.328in./109.9mm	28	T23516T	4.330in./110mm	29
F3315R	6.375in./161.9mm	7	T23246T	4.328in./109.9mm	28	T23277T	4.330in./110mm	29	T23516T	4.330in./110mm	30
F3560R	6.375in./161.9mm	7	T23246T	4.330in./110mm	29	T23277T	4.330in./110mm	30	T23516T	4.330in./110mm	28
F3561R	6.375in./161.9mm	7	T23246T	4.330in./110mm	30	T23277T	4.330in./110mm	28	T23517T	4.328in./109.9mm	16
M450T	4.000in./101.6mm	1	T23246T	4.330in./110mm	28	T23479T	4.328in./109.9mm	29	T28743	4.328in./109.9mm	18
M1692T	4.000in./101.6mm	1	T23266T	4.328in./109.9mm	29	T23479T	4.328in./109.9mm	28			

JOHN DEERE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
2 CYL								
1	100.5 CID (1.6L) M 2 Cyl 113 CID (1.9L) 113 2 Cyl			4.000in./101.6mm x 4.000in./101.6mm 4.250in./108mm x 4.000in./101.6mm				1
Rod Bearing(2)	B-1	CB-436B	STD,10,20,30	2.4980/2.4990	0.0015/0.0041	0.0750	2.6500/2.6510	1.3390
Main Bearing Set	TM-77	MS-319P	STD,10,20					
1		MB-1581P		2.3970/2.3980	0.0013/0.0039	0.0855	2.5700/2.5710	2.0050
2		MB-1582P(F)		2.3970/2.3980	0.0013/0.0039	0.0855	2.5700/2.5710	2.2660
Cam Bearing Set	B-1	SH-531S	STD					
1		SH-531		1.8095/1.8105	0.0010/0.0050	0.0580	1.9275/1.9285	1.6050
2		SH-532		1.8095/1.8105	0.0010/0.0050	0.0580	1.9275/1.9285	1.2270
Piston Pin Bushing(2)	C-1	223-3591	STD			0.0630	1.3080/1.3105	1.6250
NOTE: Requires Boring, 1.1775" Inside Diameter,1.3165" Outside Diameter,1.620" Length								
Rod Forging	MT, M29T, M1691T							
C/S Forging	M450T, M1692T, M3114T							
Connecting Rod	55 To 60 Lbs.Ft. (100.5 CID (1.6L) M,113 CID (1.9L) 113)							
Connecting Rod	70 To 80 Lbs.Ft. (100.5 CID (1.6L) M)							
Main Bearing	140 Lbs.Ft.							
2	175 CID (2.9L) B 2 Cyl 190 CID (3.1L) 50 Flex 2 Cyl			4.500in./114.3mm x 5.500in./139.7mm 4.687in./119.1mm x 5.500in./139.7mm				2
Rod Bearing(2)	TM-77	CB-469P	STD	2.7485/2.7500	0.0013/0.0048	0.0746	2.9000/2.9010	1.4850
3	190 CID (3.1L) 520,530 2 Cyl			4.687in./119.1mm x 5.500in./139.7mm				3
Piston Pin Bushing(2)	B	223-3489	STD			0.1480	1.8950/1.8970	2.0000
NOTE: Requires Light Reaming								
4	303 CID (5.0L) 620,630 2 Cyl			5.500in./139.7mm x 6.375in./161.9mm				4
Rod Bearing(2)	TM-112	CB-643P	STD,10	3.3735/3.3750	0.0016/0.0051	0.0952	3.5665/3.5675	2.1100
Piston Pin Bushing(2)	C-1	223-3561	STD			0.0740	1.3125/1.3130	1.8000
NOTE: Requires Boring								
Rod Forging	A5554R							
C/S Forging	A5638R							
Connecting Rod	100 To 110 Lbs.Ft.							
Main Bearing								
5	309 CID (5.1L) A 2 Cyl			5.500in./139.7mm x 6.500in./165.1mm				5
Rod Bearing(2)	TM-77	CB-468P	STD,20	2.9985/3.0000	0.0015/0.0046	0.0745	3.1500/3.1510	1.8500
NOTE: Early Original Equipment Babbitted Connecting Rods Can Be Replaced With Later Insert Type Connecting Rods								
Connecting Rod	100 Lbs.Ft.							
6	321 CID (5.3L) 60 2 Cyl (1955)			5.500in./139.7mm x 6.750in./171.5mm				6
Rod Bearing(2)	TM-77	CB-468P	STD,20	2.9985/3.0000	0.0015/0.0046	0.0745	3.1500/3.1510	1.8500
Piston Pin Bushing(2)	B	223-3489	STD			0.1480	1.8950/1.8970	2.0000
NOTE: Requires Light Reaming								
Connecting Rod	100 Lbs.Ft.							
Main Bearing								
7	362 CID (5.9L) 720,730 2 Cyl 378 CID (6.2L) 70,720,730 Diesel 2 Cyl			6.000in./152.4mm x 6.375in./161.9mm 6.125in./155.6mm x 6.375in./161.9mm				7
Rod Bearing(2)	TM-112	CB-644P	STD,10,20	3.7480/3.7490	0.0025/0.0055	0.1255	4.0020/4.0030	1.8800
Rod Forging	F1047B, F1047R, F1792R, F2432R, F2712R							
C/S Forging	F1910R, F2729R, F2792R, F3315R, F3560R, F3561R							
Connecting Rod	200 To 220 Lbs.Ft. (378 CID (6.2L) 70)							
Connecting Rod	80 To 90 Lbs.Ft. (362 CID (5.9L) 720)							
Main Bearing	(362 CID (5.9L) 720)							
Main Bearing	75 Lbs.Ft. (378 CID (6.2L) 70)							
3 CYL								
8	135 CID (2.2L) 3135G 3 Cyl			3.858in./98mm x 3.858in./98mm				8
Rod Bearing(3)	TM-112	CB-637P	STD,10,20,30	2.3085/2.3095	0.0010/0.0045	0.0630	2.4365/2.4375	1.2190

JOHN DEERE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL (Cont.)								
8 (Cont.)	135 CID (2.2L) 3135G 3 Cyl			3.858in./98mm x 3.858in./98mm				8 (Cont.)
Main Bearing Set	TM-112	MS-873AL	STD,10,20,30					
1-2		MB-2454AL		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.1600
3		MB-2455AL(F)		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.5300
Piston Pin Bushing(3)	C-1	223-3520	STD			0.1320	1.3075/1.3110	1.5000
NOTE: Requires Light Reaming								
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
9	152 CID (2.5L) 3152D Diesel 3 Cyl			3.858in./98mm x 4.328in./109.9mm				9
Rod Bearing(3)	TM-112	CB-759AL	STD,10,20,30	2.7480/2.7490	0.0015/0.0045	0.0750	2.9000/2.9010	1.1860
Main Bearing Set	TM-112	MS-874AL	STD,10,20,30					
1-2-3		MB-2454AL		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.1600
4		MB-2455AL(F)		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.5300
Piston Pin Bushing(3)	C-1	223-3561	STD			0.0740	1.3125/1.3130	1.8000
NOTE: Requires Boring								
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
10	164 CID (2.7L) 3164D Diesel 3 Cyl			4.020in./102.108mm x 4.328in./109.9mm				10
Rod Bearing(3)	TM-112	CB-759AL	STD,10,20,30	2.7480/2.7490	0.0015/0.0045	0.0750	2.9000/2.9010	1.1860
Main Bearing Set	TM-112	MS-874AL	STD,10,20,30					
1-2-3		MB-2454AL		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.1600
4		MB-2455AL(F)		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.5300
Piston Pin Bushing(3)	C-1	223-3561	STD			0.0740	1.3125/1.3130	1.8000
NOTE: Requires Boring, 1.1896" Inside Diameter,1.313" Outside Diameter								
Piston Pin Bushing(3)	C-1	223-3596	STD			0.1235		1.5700
NOTE: Requires Boring, 1.3765" Inside Diameter,1.500" Outside Diameter								
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
11	164 CID (2.7L) 3164G 3 Cyl			4.020in./102.108mm x 4.328in./109.9mm				11
Rod Bearing(3)	TM-112	CB-637P	STD,10,20,30	2.3085/2.3095	0.0010/0.0045	0.0630	2.4365/2.4375	1.2190
Main Bearing Set	TM-112	MS-873AL	STD,10,20,30					
1-2		MB-2454AL		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.1600
3		MB-2455AL(F)		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.5300
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
12	179 CID (2.9L) 3179D Diesel 3 Cyl			4.188in./106.4mm x 4.328in./109.9mm				12
Rod Bearing(3)	TM-112	CB-759AL	STD,10,20,30	2.7480/2.7490	0.0015/0.0045	0.0750	2.9000/2.9010	1.1860
Main Bearing Set	TM-112	MS-874AL	STD,10,20,30					
1-2-3		MB-2454AL		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.1600
4		MB-2455AL(F)		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.5300
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
4 CYL								
13	115 CID (1.9L) 115 4 Cyl 145 CID (2.4L) 145 4 Cyl 145 CID (2.4L) 145 Diesel 4 Cyl 145 CID (2.4L) 145 LPG 4 Cyl 155 CID (2.5L) 155 Diesel 4 Cyl 165 CID (2.7L) 165 4 Cyl 165 CID (2.7L) 165 Diesel 4 Cyl			3.500in./88.9mm x 3.000in./76.2mm 3.625in./92.1mm x 3.500in./88.9mm 3.625in./92.1mm x 3.500in./88.9mm 3.625in./92.1mm x 3.500in./88.9mm 3.750in./95.3mm x 3.500in./88.9mm 3.875in./98.4mm x 3.500in./88.9mm 3.875in./98.4mm x 3.500in./88.9mm				13
Rod Bearing(4)	TM-112	CB-637P	STD,10,20,30	2.3085/2.3095	0.0010/0.0045	0.0630	2.4365/2.4375	1.2190
Cam Bearing Set	B-1	SH-500S	STD					
1		SH-500		1.8095/1.8105	0.0010/0.0050	0.0580	1.9275/1.9285	1.2910
2-3		SH-501		1.8095/1.8105	0.0010/0.0050	0.0580	1.9275/1.9285	0.9480

JOHN DEERE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
13 (Cont.)	115 CID (1.9L) 115 4 Cyl				3.500in./88.9mm x 3.000in./76.2mm			13 (Cont.)
	145 CID (2.4L) 145 4 Cyl				3.625in./92.1mm x 3.500in./88.9mm			
	145 CID (2.4L) 145 Diesel 4 Cyl				3.625in./92.1mm x 3.500in./88.9mm			
	145 CID (2.4L) 145 LPG 4 Cyl				3.625in./92.1mm x 3.500in./88.9mm			
	155 CID (2.5L) 155 Diesel 4 Cyl				3.750in./95.3mm x 3.500in./88.9mm			
	165 CID (2.7L) 165 4 Cyl				3.875in./98.4mm x 3.500in./88.9mm			
	165 CID (2.7L) 165 Diesel 4 Cyl				3.875in./98.4mm x 3.500in./88.9mm			
Piston Pin Bushing(4)	C-1	223-3520	STD		0.1320	1.3075/1.3110	1.5000	
NOTE: Requires Light Reaming								
Rod Forging	T454T							
C/S Forging	T499T, T632T, T13048T, T17885T							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	145 Lbs.Ft.							
14	180 CID (3.0L) 4180G 4 Cyl				3.858in./98mm x 3.858in./98mm			14
	202 CID (3.3L) 4202G 4 Cyl				3.858in./98mm x 4.328in./109.9mm			
Rod Bearing(4)	TM-112	CB-637P	STD,10,20,30	2.3085/2.3095	0.0010/0.0045	0.0630	2.4365/2.4375	1.2190
Main Bearing Set	TM-112	MS-873AL	STD,10,20,30					
1-2		MB-2454AL		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.1600
3		MB-2455AL(F)		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.5300
Piston Pin Bushing(4)	C-1	223-3520	STD		0.1320	1.3075/1.3110	1.5000	
NOTE: Requires Light Reaming								
C/S Forging	T23483T, T23484T							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
15	201 CID (3.3L) 201 4 Cyl				4.000in./101.6mm x 4.000in./101.6mm			15
	227 CID (3.7L) 227 4 Cyl				4.250in./108mm x 4.000in./101.6mm			
Rod Bearing(4)	TM-112	CB-669P	STD,2,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900
Main Bearing Set	TM-112	MS-836P	STD,10,20,30					
1-3		MB-2415P		3.3715/3.3725	0.0019/0.0049	0.1265	3.6270/3.6280	1.3900
2		MB-2416P(F)		3.3715/3.3725	0.0019/0.0049	0.1265	3.6270/3.6280	1.7450
NOTE: Blocks Marked R26150, R26160, Main Bearing Caps With Offset Locating Lug								
Main Bearing Set	TM-112	MS-1526P	STD,10,20					
1-3		MB-2858P		3.3715/3.3725	0.0020/0.0050	0.1264	3.6270/3.6280	1.3900
2		MB-2859P		3.3720/3.3730	0.0015/0.0045	0.1264	3.6270/3.6280	1.6780
NOTE: Blocks Marked R40910, R40920, R46350, R46430, R49450, Main Bearing Caps With Centered Locating Lug, Contains 3 Piece Thrust Washer Set, Use In Number 2 Position, Contains Straight Shell Bearings								
Cam Bearing Set	C-1	SH-786S	STD					
1-2-3		SH-786		2.3745/2.3755	0.0020/0.0060	0.0610	2.4995/2.5005	1.0160
Piston Pin Bushing(4)	C-1	223-3521	STD			0.0670	1.3700/1.3740	1.5100
NOTE: Requires Light Reaming								
Rod Forging	R26046R							
C/S Forging	R26530R							
Connecting Rod	100 To 110 Lbs.Ft. (227 CID (3.7L))							
Connecting Rod	85 To 90 Lbs.Ft. (201 CID (3.3L))							
Main Bearing								
16	202 CID (3.3L) 4202D Diesel 4 Cyl				3.858in./98mm x 4.328in./109.9mm			16
Rod Bearing(4)	TM-112	CB-637P	STD,10,20,30	2.3085/2.3095	0.0010/0.0045	0.0630	2.4365/2.4375	1.2190
Rod Bearing(4)	TM-112	CB-759AL	STD,10,20,30	2.7480/2.7490	0.0015/0.0045	0.0750	2.9000/2.9010	1.1860
Main Bearing Set	TM-112	MS-875AL	STD,10,20,30					
1-2-3-4		MB-2454AL		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.1600
5		MB-2455AL(F)		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.5300
Piston Pin Bushing(4)	C-1	223-3520	STD			0.1320	1.3075/1.3110	1.5000
NOTE: Requires Light Reaming								
Piston Pin Bushing(4)	C-1	223-3561	STD			0.0740	1.3125/1.3130	1.8000
NOTE: Requires Boring								

JOHN DEERE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
16 (Cont.)	202 CID (3.3L) 4202D Diesel 4 Cyl			3.858in./98mm x 4.328in./109.9mm				16 (Cont.)
C/S Forging T23480T, T23517T								
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 85 Lbs.Ft.								
17	219 CID (3.6L) 4219D Diesel 4 Cyl 219 CID (3.6L) 4219T Turbocharged Diesel 4 Cyl			4.020in./102.108mm x 4.328in./109.9mm 4.020in./102.108mm x 4.328in./109.9mm				17
Rod Bearing(4)	TM-112	CB-759AL	STD,10,20,30	2.7480/2.7490	0.0015/0.0045	0.0750	2.9000/2.9010	1.1860
Main Bearing Set 1-2-3-4 5	TM-112	MS-875AL MB-2454AL MB-2455AL(F)	STD,10,20,30	3.1230/3.1240 3.1230/3.1240	0.0019/0.0049 0.0019/0.0049	0.0997	3.3250/3.3260 3.3250/3.3260	1.1600 1.5300
Piston Pin Bushing(4)	C-1	223-3561	STD	0.0740 1.3125/1.3130 1.8000				
NOTE: Requires Boring, 1.1896" Inside Diameter,1.313" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3596	STD	0.1235 1.5700				
NOTE: Requires Boring, 1.3765" Inside Diameter,1.500" Outside Diameter								
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 85 Lbs.Ft.								
18	219 CID (3.6L) 4219G 4 Cyl			4.020in./102.108mm x 4.328in./109.9mm				18
Rod Bearing(4)	TM-112	CB-637P	STD,10,20,30	2.3085/2.3095	0.0010/0.0045	0.0630	2.4365/2.4375	1.2190
Main Bearing Set 1-2 3	TM-112	MS-873AL MB-2454AL MB-2455AL(F)	STD,10,20,30	3.1230/3.1240 3.1230/3.1240	0.0019/0.0049 0.0019/0.0049	0.0997	3.3250/3.3260 3.3250/3.3260	1.1600 1.5300
C/S Forging T28743								
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 85 Lbs.Ft.								
19	239 CID (3.9L) 4239D Diesel 4 Cyl 239 CID (3.9L) 4239T Turbocharged Diesel 4 Cyl			4.188in./106.4mm x 4.328in./109.9mm 4.188in./106.4mm x 4.328in./109.9mm				19
Rod Bearing(4)	TM-112	CB-759AL	STD,10,20,30	2.7480/2.7490	0.0015/0.0045	0.0750	2.9000/2.9010	1.1860
Main Bearing Set 1-2-3-4 5	TM-112	MS-875AL MB-2454AL MB-2455AL(F)	STD,10,20,30	3.1230/3.1240 3.1230/3.1240	0.0019/0.0049 0.0019/0.0049	0.0997	3.3250/3.3260 3.3250/3.3260	1.1600 1.5300
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 85 Lbs.Ft.								
20	254 CID (4.2L) 254 Diesel 4 Cyl			4.125in./104.8mm x 4.750in./120.7mm				20
Rod Bearing(4)	TM-112	CB-669P	STD,2,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900
Main Bearing Set 1-2-4-5 3	TM-112	MS-837P MB-2415P MB-2416P(F)	STD,10,20	3.3715/3.3725 3.3715/3.3725	0.0019/0.0049 0.0019/0.0049	0.1265	3.6270/3.6280 3.6270/3.6280	1.3900 1.7450
NOTE: Blocks Marked R26150, R26160,Main Bearing Caps With Offset Locating Lug								
Main Bearing Set 1-2-4-5 3	TM-112	MS-1527P MB-2858P MB-2859P	STD,10,20,30	3.3715/3.3725 3.3720/3.3730	0.0020/0.0050 0.0015/0.0045	0.1264	3.6270/3.6280 3.6270/3.6280	1.3900 1.6780
NOTE: Blocks Marked R40910, R40920, R46350, R46430, R49450,Main Bearing Caps With Centered Locating Lug, Contains Straight Shell Bearings,Set Contains 3 Piece Thrust Washer Set, Use In Number 3 Position								
Cam Bearing Set 1-2-3	B-1	SH-786S SH-786	STD	2.3745/2.3755	0.0020/0.0060	0.0610	2.4995/2.5005	1.0160
Piston Pin Bushing(4)	C-1	223-3522	STD	0.0670 1.6250/1.6255 1.5100				
NOTE: Requires Boring								
Connecting Rod 120 To 130 Lbs.Ft. Main Bearing								
21	270 CID (4.4L) 4270D Diesel 4 Cyl			4.250in./108mm x 4.750in./120.7mm				21
Rod Bearing(4)	TM-112	CB-669P	STD,2,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900

JOHN DEERE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
21 (Cont.)	270 CID (4.4L) 4270D Diesel 4 Cyl			4.250in./108mm x 4.750in./120.7mm				21 (Cont.)
Main Bearing Set 1-2-4-5 3	TM-112	MS-837P MB-2415P MB-2416P(F)	STD,10,20	3.3715/3.3725 3.3715/3.3725	0.0019/0.0049 0.0019/0.0049	0.1265 0.1265	3.6270/3.6280 3.6270/3.6280	1.3900 1.7450
NOTE: Blocks Marked R26150, R26160,Main Bearing Caps With Offset Locating Lug								
Main Bearing Set 1-2-4-5 3	TM-112	MS-1527P MB-2858P MB-2859P	STD,10,20,30	3.3715/3.3725 3.3720/3.3730	0.0020/0.0050 0.0015/0.0045	0.1264 0.1264	3.6270/3.6280 3.6270/3.6280	1.3900 1.6780
NOTE: Blocks Marked R40910, R40920, R46350, R46430, R49450,Main Bearing Caps With Centered Locating Lug, Contains Straight Shell Bearings,Set Contains 3 Piece Thrust Washer Set, Use In Number 3 Position								
Cam Bearing Set 1-2-3	C-1	SH-786S SH-786	STD	2.3745/2.3755	0.0020/0.0060	0.0610	2.4995/2.5005	1.0160
Piston Pin Bushing(4)	C-1	223-3522	STD			0.0670	1.6250/1.6255	1.5100
NOTE: Engines With 1.500" Piston Pin Diameter, Requires Boring								
Piston Pin Bushing(4)	C-1	223-3561	STD			0.0740	1.3125/1.3130	1.8000
NOTE: Requires Boring, 1.1896" Inside Diameter,1.313" Outside Diameter,1.565" Length								
22	276 CID (4.5L) 4276D Diesel 4 Cyl 276 CID (4.5L) 4276T Turbocharged Diesel 4 Cyl			4.188in./106.4mm x 5.000in./127mm 4.188in./106.4mm x 5.000in./127mm				22
Rod Bearing(4)	TM-112	CB-1231AL	STD,10,20,30	3.0630/3.0640	0.0015/0.0045	0.0950	3.2550/3.2560	1.0480
Main Bearing Set 1-2-3-4 5	TM-112	MS-875AL MB-2454AL MB-2455AL(F)	STD,10,20,30	3.1230/3.1240 3.1230/3.1240	0.0019/0.0049 0.0019/0.0049	0.0997 0.0997	3.3250/3.3260 3.3250/3.3260	1.1600 1.5300
6 CYL								
23	217 CID (3.6L) 217 6 Cyl 217 CID (3.6L) 217 CNG 6 Cyl 217 CID (3.6L) 217 LPG 6 Cyl			3.625in./92.1mm x 3.500in./88.9mm 3.625in./92.1mm x 3.500in./88.9mm 3.625in./92.1mm x 3.500in./88.9mm				23
Rod Bearing(6)	TM-112	CB-637P	STD,10,20,30	2.3085/2.3095	0.0010/0.0045	0.0630	2.4365/2.4375	1.2190
Cam Bearing Set 1 2-3-4	B-1	SH-501S SH-500 SH-501	STD	1.8095/1.8105 1.8095/1.8105	0.0010/0.0050 0.0010/0.0050	0.0580 0.0580	1.9275/1.9285 1.9275/1.9285	1.2910 0.9480
Piston Pin Bushing(6)	C-1	223-3520	STD			0.1320	1.3075/1.3110	1.5000
NOTE: Thru Eng. Serial No. 51615, Requires Light Reaming								
C/S Forging T633T								
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 145 Lbs.Ft.								
24	230 CID (3.8L) QXD3 Hercules 6 Cyl			3.438in./87.33mm x 4.125in./104.8mm				24
Rod Bearing(6)	TM-112	CB-341P	STD,10,20	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.0280
Cam Bearing Set 1-4 2-3	B-1	SH-322S SH-322 SH-323	STD	1.7490/1.7500 1.7490/1.7500	0.0020/0.0050 0.0020/0.0050	0.0617 0.0617	1.8750/1.8755 1.8750/1.8755	1.0340 0.5650
25	248 CID (4.1L) 248 6 Cyl 248 CID (4.1L) 248 LPG 6 Cyl			3.875in./98.4mm x 3.500in./88.9mm 3.875in./98.4mm x 3.500in./88.9mm				25
Rod Bearing(6)	TM-112	CB-637P	STD,10,20,30	2.3085/2.3095	0.0010/0.0045	0.0630	2.4365/2.4375	1.2190
Cam Bearing Set 1 2-3-4	B-1	SH-501S SH-500 SH-501	STD	1.8095/1.8105 1.8095/1.8105	0.0010/0.0050 0.0010/0.0050	0.0580 0.0580	1.9275/1.9285 1.9275/1.9285	1.2910 0.9480
Piston Pin Bushing(6)	C-1	223-3522	STD			0.0670	1.6250/1.6255	1.5100
NOTE: Thru Eng. Serial No. 12185								
C/S Forging T633T								
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 145 Lbs.Ft.								
26	248 CID (4.1L) 248 Diesel 6 Cyl			3.875in./98.4mm x 3.500in./88.9mm				26
Rod Bearing(6)	TM-112	CB-637P	STD,10,20,30	2.3085/2.3095	0.0010/0.0045	0.0630	2.4365/2.4375	1.2190

JOHN DEERE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
26 (Cont.)	248 CID (4.1L) 248 Diesel 6 Cyl			3.875in./98.4mm x 3.500in./88.9mm				26 (Cont.)
Cam Bearing Set 1	B-1	SH-501S	STD	1.8095/1.8105	0.0010/0.0050	0.0580	1.9275/1.9285	1.2910
2-3-4		SH-500 SH-501		1.8095/1.8105	0.0010/0.0050	0.0580	1.9275/1.9285	0.9480
C/S Forging T633T								
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 145 Lbs.Ft.								
27	301 CID (4.9L) 301 6 Cyl 341 CID (5.6L) 6341 6 Cyl			4.000in./101.6mm x 4.000in./101.6mm 4.250in./108mm x 4.000in./101.6mm				27
Rod Bearing(6)	TM-112	CB-669P	STD,2,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900
Main Bearing Set 1-2-4	TM-112	MS-838P	STD,10,20	3.3715/3.3725	0.0019/0.0049	0.1265	3.6270/3.6280	1.3900
3		MB-2415P MB-2416P(F)		3.3715/3.3725	0.0019/0.0049	0.1265	3.6270/3.6280	1.7450
NOTE: Main Bearing Caps With Offset Locating Lug								
Main Bearing Set 1-2-4	TM-112	MS-1528P	STD,10,20,30	3.3715/3.3725	0.0020/0.0050	0.1264	3.6270/3.6280	1.3900
3		MB-2858P MB-2859P		3.3720/3.3730	0.0015/0.0045	0.1264	3.6270/3.6280	1.6780
NOTE: Main Bearing Caps With Centered Locating Lug, Contains Straight Shell Bearings,Set Contains 3 Piece Thrust Washer Set, Use In Number 3 Position								
Cam Bearing Set 1-2-3-4	C-1	SH-785S SH-786	STD	2.3745/2.3755	0.0020/0.0060	0.0610	2.4995/2.5005	1.0160
Piston Pin Bushing(6)	C-1	223-3521	STD			0.0670	1.3700/1.3740	1.5100
NOTE: Requires Light Reaming								
Connecting Rod 100 To 110 Lbs.Ft. (341 CID (5.6L) 6341) Connecting Rod 85 To 95 Lbs.Ft. (301 CID (4.9L) 301) Main Bearing								
28	303 CID (5.0L) 6303D Diesel 6 Cyl 329 CID (5.4L) 6329D Diesel 6 Cyl 359 CID (5.9L) 6359D Diesel 6 Cyl 359 CID (5.9L) 6359T Turbocharged Diesel 6 Cyl			3.858in./98mm x 4.328in./109.9mm 4.020in./102.108mm x 4.328in./109.9mm 4.188in./106.4mm x 4.330in./110mm 4.188in./106.4mm x 4.330in./110mm				28
Rod Bearing(6)	TM-112	CB-759AL	STD,10,20,30	2.7480/2.7490	0.0015/0.0045	0.0750	2.9000/2.9010	1.1860
Main Bearing Set 1-2-3-4-5-6	TM-112	MS-1459AL	STD,10,20,30	3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.1600
7		MB-2454AL MB-2455AL(F)		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.5300
Piston Pin Bushing(6)	C-1	223-3561	STD			0.0740	1.3125/1.3130	1.8000
NOTE: Requires Boring, 1.313" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3596	STD			0.1235		1.5700
NOTE: Requires Boring, 1.500" Outside Diameter								
C/S Forging T23267, T23246T, T23266T, T23277T, T23479T, T23516T								
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 85 Lbs.Ft.								
29	303 CID (5.0L) 6303G 6 Cyl 303 CID (5.0L) 6303L LPG 6 Cyl 329 CID (5.4L) 6329G 6 Cyl			3.858in./98mm x 4.330in./110mm 3.858in./98mm x 4.328in./109.9mm 4.020in./102.108mm x 4.330in./110mm				29
Rod Bearing(6)	TM-112	CB-759AL	STD,10,20,30	2.7480/2.7490	0.0015/0.0045	0.0750	2.9000/2.9010	1.1860
Main Bearing Set 1-2-3	TM-112	MS-874AL	STD,10,20,30	3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.1600
4		MB-2454AL MB-2455AL(F)		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.5300
NOTE: Gasoline,Liquid Propane Gas								
Piston Pin Bushing(6)	C-1	223-3561	STD			0.0740	1.3125/1.3130	1.8000
NOTE: Requires Boring								
C/S Forging T23267, T23246T, T23266T, T23277T, T23479T, T23516T								
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 85 Lbs.Ft.								

JOHN DEERE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
30	329 CID (5.4L) 6329T Turbocharged Diesel 6 Cyl			4.016in./102mm x 4.330in./110mm				30
Rod Bearing(6)	TM-112	CB-759AL	STD,10,20,30	2.7480/2.7490	0.0015/0.0045	0.0750	2.9000/2.9010	1.1860
Main Bearing Set 1-2-3-4-5-6 7	TM-112	MS-1459AL MB-2454AL MB-2455AL(F)	STD,10,20,30	3.1230/3.1240 3.1230/3.1240	0.0019/0.0049 0.0019/0.0049	0.0997 0.0997	3.3250/3.3260 3.3250/3.3260	1.1600 1.5300
Piston Pin Bushing(6) NOTE: Requires Boring	C-1	223-3561	STD			0.0740	1.3125/1.3130	1.8000
C/S Forging	T23267, T23246T, T23266T, T23277T, T23479T, T23516T							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 85 Lbs.Ft.							
31	362 CID (5.9L) 362 6 Cyl 362 CID (5.9L) 6362 Flex 6 Cyl			4.250in./108mm x 4.000in./101.6mm 4.250in./108mm x 4.250in./108mm				31
Rod Bearing(6)	TM-112	CB-669P	STD,2,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900
Main Bearing Set 1-2-4 3	TM-77	MS-1528P MB-2858P MB-2859P	STD,10,20,30	3.3715/3.3725 3.3720/3.3730	0.0020/0.0050 0.0015/0.0045	0.1264 0.1264	3.6270/3.6280 3.6270/3.6280	1.3900 1.6780
NOTE: Contains Straight Shell Bearings,Set Contains 3 Piece Thrust Washer Set, Use In Number 3 Position								
Piston Pin Bushing(6) NOTE: Engines With 1.500" Piston Pin Diameter, Requires Boring	C-1	223-3522	STD			0.0670	1.6250/1.6255	1.5100
Connecting Rod Main Bearing	100 To 110 Lbs.Ft.							
32	381 CID (6.2L) 381 Diesel 6 Cyl 404 CID (6.6L) 6404D Diesel 6 Cyl			4.125in./104.8mm x 4.750in./120.7mm 4.250in./108mm x 4.750in./120.7mm				32
Rod Bearing(6)	TM-112	CB-669P	STD,2,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900
Main Bearing Set 1-2-3-4-6-7 5	TM-112	MS-839P MB-2415P MB-2416P(F)	STD,10,20	3.3715/3.3725 3.3715/3.3725	0.0019/0.0049 0.0019/0.0049	0.1265 0.1265	3.6270/3.6280 3.6270/3.6280	1.3900 1.7450
NOTE: Main Bearing Caps With Offset Locating Lug								
Main Bearing Set 1-2-3-4-6-7 5	TM-112	MS-1529P MB-2858P MB-2859P	STD,10,20,30	3.3715/3.3725 3.3720/3.3730	0.0020/0.0050 0.0015/0.0045	0.1264 0.1264	3.6270/3.6280 3.6270/3.6280	1.3900 1.6780
NOTE: Main Bearing Caps With Centered Locating Lug, Contains 3 Piece Thrust Washer Set, Use In Number 5 Position,Contains Straight Shell Bearings								
Cam Bearing Set 1-2-3-4	C-1	SH-785S SH-786	STD	2.3745/2.3755	0.0020/0.0060	0.0610	2.4995/2.5005	1.0160
Piston Pin Bushing(6) NOTE: Engines With 1.500" Piston Pin Diameter, Requires Boring	C-1	223-3522	STD			0.0670	1.6250/1.6255	1.5100
Connecting Rod Main Bearing	120 To 130 Lbs.Ft.							
33	404 CID (6.6L) 6404A Turbocharged/Aftercooled Diesel 6 Cyl 404 CID (6.6L) 6404T Turbocharged Diesel 6 Cyl			4.250in./108mm x 4.750in./120.7mm 4.250in./108mm x 4.750in./120.7mm				33
Rod Bearing(6)	TM-112	CB-669P	STD,2,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900
Main Bearing Set 1-2-3-4-6-7 5	TM-112	MS-1529P MB-2858P MB-2859P	STD,10,20,30	3.3715/3.3725 3.3720/3.3730	0.0020/0.0050 0.0015/0.0045	0.1264 0.1264	3.6270/3.6280 3.6270/3.6280	1.3900 1.6780
NOTE: From Engine Serial Number 201000, Contains 3 Piece Thrust Washer Set, Use In Number 5 Position,Contains Straight Shell Bearings								
Cam Bearing Set 1-2-3-4	C-1	SH-785S SH-786	STD	2.3745/2.3755	0.0020/0.0060	0.0610	2.4995/2.5005	1.0160
Piston Pin Bushing(6) NOTE: Engines With 1.500" Piston Pin Diameter, Requires Boring	C-1	223-3522	STD			0.0670	1.6250/1.6255	1.5100
Piston Pin Bushing(6) NOTE: Requires Boring	C-1	223-3590	STD			0.2085		1.5000
Connecting Rod Main Bearing	120 To 130 Lbs.Ft.							

JOHN DEERE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
34	414 CID (6.8L) 6414D Diesel 6 Cyl			4.188in./106.4mm x 5.000in./127mm				34
	414 CID (6.8L) 6414T Turbocharged Diesel 6 Cyl			4.188in./106.4mm x 5.000in./127mm				
Rod Bearing(6)	TM-112	CB-1231AL	STD,10,20,30	3.0630/3.0640	0.0015/0.0045	0.0950	3.2550/3.2560	1.0480
Main Bearing Set	TM-112	MS-1459AL	STD,10,20,30					
1-2-3-4-5-6		MB-2454AL		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.1600
7		MB-2455AL(F)		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.5300
35	426 CID (7.0L) 6-71,6-71E Detroit Diesel Supercharged Diesel 6 Cyl			4.250in./108mm x 5.000in./127mm				35
Rod Bearing(6)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800
Main Bearing Set	TM-112	MS-271P	STD,10,20,30,40					
1-2-3-4-5-6-7		MB-1276P		3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930
7		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position								
Thrust Washer Set		TW-411S	STD					
		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 7								
Cam Bearing Set	C-1	SH-476RS	STD,20					
		SH-476R		1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: From Engine Serial Number 6A-57745, Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(5)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(5)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS	STD					
		SH-477W		1.6910			2.1563	0.1220
NOTE: From Engine Serial Number 6A-57745, Contains 4 Pieces								
Piston Pin Bushing(12)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(6)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston, 1 Per Rod								
Rod Forging	5144469, 5150093, 5154265							
C/S Forging	6-71, 5154256, 5155255, 5160034, 5173988, 5179067, 5182940							
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	120 To 140 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
36	466 CID (7.6L) 6466A Turbocharged/Intercooled Diesel 6 Cyl			4.563in./115.9mm x 4.750in./120.7mm				36
	466 CID (7.6L) 6466T Turbocharged Diesel 6 Cyl			4.563in./115.9mm x 4.750in./120.7mm				
Rod Bearing(6)	TM-112	CB-1267P	STD,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900
Main Bearing Set	TM-112	MS-1529P	STD,10,20,30					
1-2-3-4-6-7		MB-2858P		3.3715/3.3725	0.0020/0.0050	0.1264	3.6270/3.6280	1.3900
5		MB-2859P		3.3720/3.3730	0.0015/0.0045	0.1264	3.6270/3.6280	1.6780
NOTE: Contains 3 Piece Thrust Washer Set, Use In Number 5 Position								
37	466 CID (7.6L) 6466D Diesel 6 Cyl			4.563in./115.9mm x 4.750in./120.7mm				37
Rod Bearing(6)	TM-112	CB-669P	STD,2,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900
Main Bearing Set	TM-112	MS-1529P	STD,10,20,30					
1-2-3-4-6-7		MB-2858P		3.3715/3.3725	0.0020/0.0050	0.1264	3.6270/3.6280	1.3900
5		MB-2859P		3.3720/3.3730	0.0015/0.0045	0.1264	3.6270/3.6280	1.6780
NOTE: Contains 3 Piece Thrust Washer Set, Use In Number 5 Position								
Piston Pin Bushing(6)	C-1	223-3632	STD			0.2520	2.7440/2.7480	1.3530
NOTE: Requires Boring								
Piston Pin Bushing(6)	C-1	223-3633	STD			0.0950	1.8125/1.8130	1.5100
NOTE: Requires Boring								

JOHN DEERE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
38	531 CID (8.7L) 6531A Turbocharged/Aftercooled Diesel 6 Cyl 531 CID (8.7L) 6531D Diesel 6 Cyl				4.750in./120.7mm x 5.000in./127mm 4.750in./120.7mm x 5.000in./127mm			38
Rod Bearing(6)	TM-112	CB-1225AL	STD,10,20,30	3.4980/3.4990	0.0018/0.0048	0.0956	3.6915/3.6925	1.4450
Main Bearing Set 1-2-3-4-6-7 5	TM-112	MS-1453AL MB-2756AL MB-2757AL(F)	STD,10	3.7480/3.7490 3.7480/3.7490	0.0021/0.0051 0.0021/0.0051	0.1256 0.1256	4.0020/4.0030 4.0020/4.0030	1.4420 1.8690
Cam Bearing Set 1-2-3-4	C-1	SH-785S SH-786	STD	2.3745/2.3755	0.0020/0.0060	0.0610	2.4995/2.5005	1.0160
Piston Pin Bushing(6)	C-1	223-3522	STD			0.0670	1.6250/1.6255	1.5100
NOTE: Requires Boring								
Rod Forging C/S Forging	R40238 R36530R							
Connecting Rod Main Bearing	155 To 165 Lbs.Ft. 170 Lbs.Ft.							
39	619 CID (10.1L) 6619A,6619TA Turbocharged/Intercooled Diesel 6 Cyl				5.125in./130.2mm x 5.000in./127mm			39
Rod Bearing(6)	TM-112	CB-1356P	STD,.25mm,.50mm	3.4980/3.4990	0.0018/0.0049	0.0953	3.6915/3.6925	1.4450
Main Bearing Set 1-2-3-4-6-7 5	TM-112	MS-1624P MB-2974P MB-2975P	STD,.25mm	3.7480/3.7490 3.7480/3.7490	0.0022/0.0052 0.0022/0.0052	0.1254 0.1254	4.0020/4.0030 4.0020/4.0030	1.4420 1.7710
NOTE: Contains 3 Piece Thrust Washer Set, Use In Number 5 Position,Contains Straight Shell Bearings								
Main Bearing Set 1-2-3-4-6-7 5		MS-1672P-.25mm MB-2974P MB-3059P(F)		3.7480/3.7490 3.7480/3.7490	0.0022/0.0052 0.0022/0.0052	0.1254 0.1254	4.0020/4.0030 4.0020/4.0030	1.4420 1.8700
NOTE: Contains Flanged Bearing, Use In Number 5 Position								
Cam Bearing Set 1-2-3-4	C-1	SH-785S SH-786	STD	2.3745/2.3755	0.0020/0.0060	0.0610	2.4995/2.5005	1.0160
Connecting Rod Main Bearing	155 To 165 Lbs.Ft. 170 Lbs.Ft.							
KIA								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
4 CYL				4 CYL (Cont.)				
1597CC (1.6L) DOHC Mazda	1995-1997	3.071in./78mmX3.307in./84mm	1	1839CC (1.8L) DOHC	1995-1997	3.346in./85mmX3.268in./83mm	1	
1597CC (1.6L) SOHC	1994-1995	3.071in./78mmX3.307in./84mm	1	1998CC (2.0L) DOHC 16 Valve	1995-2002	3.390in./86.11mmX3.386in./86mm	3	
1794CC (1.8L) DOHC 16 Valve	1998-2003	3.189in./81mmX3.425in./87mm	2	1998CC (2.0L) SOHC	1995	3.390in./86.11mmX3.386in./86mm	4	
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
Sephia	1597CC (1.6L) SOHC	1994-1997	1	Spectra	1794CC (1.8L) DOHC 16 Valve	2000-2004	2	
Sephia	1597CC (1.6L) DOHC Mazda	1995-1997	1	Sportage	1998CC (2.0L) SOHC	1995	4	
Sephia	1794CC (1.8L) DOHC 16 Valve	1998-2001	2	Sportage	1998CC (2.0L) DOHC 16 Valve	1995-2002	3	
Sephia	1839CC (1.8L) DOHC	1995-1997	1					
CRANKSHAFT FORGING NUMBERS								
Forging No.	Stroke	Block						
B6S7	3.307in./84mm	1						

KIA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1597CC (1.6L) DOHC Mazda 4 Cyl (1995-1997) 1597CC (1.6L) SOHC 4 Cyl (1994-1995) 1839CC (1.8L) DOHC 4 Cyl (1995-1997)				3.071in./78mm x 3.307in./84mm 3.071in./78mm x 3.307in./84mm 3.346in./85mm x 3.268in./83mm			1
Rod Bearing(4)	AL-3	CB-1453AL	STD,.25mm,.50mm,.75mm	1.7693/1.7699	0.0011/0.0027	0.0594	1.8898/1.8904	0.6740
Main Bearing Set 1-2-3-4-5	AL-3	MS-1802AL MB-3173AL	STD,.25mm,.50mm,.75mm	1.9661/1.9668	0.0009/0.0017	0.0792	2.1260/2.1267	0.6890
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-472S								
Thrust Washer Set		TW-472S MB-3173W	STD	2.2539			2.7165	0.1000
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1802AL								
C/S Forging B6S7								
Connecting Rod	35 To 38 Lbs.Ft. (1597CC (1.6L) SOHC)							
Connecting Rod	37 To 40 Lbs.Ft. (1597CC (1.6L) DOHC,1839CC (1.8L) DOHC)							
Main Bearing	37 To 40 Lbs.Ft. (1597CC (1.6L) DOHC)							
Main Bearing	40 To 44 Lbs.Ft. (1597CC (1.6L) SOHC,1839CC (1.8L) DOHC)							
2	1794CC (1.8L) DOHC 16 Valve 4 Cyl (1998-2003)				3.189in./81mm x 3.425in./87mm			2
Rod Bearing(4)	AL-3	CB-1453AL	STD,.25mm,.50mm,.75mm	1.7693/1.7699	0.0011/0.0027	0.0594	1.8898/1.8904	0.6740
3	1998CC (2.0L) DOHC 16 Valve 4 Cyl (1995-2002)				3.390in./86.11mm x 3.386in./86mm			3
Rod Bearing(4)	AL-3	CB-1455AL	STD,.25mm,.50mm,.75mm	2.0055/2.0061	0.0012/0.0026	0.0594	2.1261/2.1267	0.8320
Main Bearing Set 1-2-4-5 3	AL-3	MS-1803AL MB-3174AL MB-3175AL(F)	STD,.25mm,.50mm,.75mm	2.3597/2.3604 2.3597/2.3604	0.0007/0.0030 0.0007/0.0030	0.0793 0.0793	2.5197/2.5203 2.5197/2.5203	0.7530 1.1020
NOTE: .25mm Undersize Sets Contain .10mm Oversize Length Flanged Bearing,.50mm Undersize Set Contains .18mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .26mm Oversize Length Flanged Bearing,Contains Partial Grooved Main Bearings								
Connecting Rod	37 To 41 Lbs.Ft.							
Main Bearing	61 To 68 Lbs.Ft.							
4	1998CC (2.0L) SOHC 4 Cyl (1995)				3.390in./86.11mm x 3.386in./86mm			4
Rod Bearing(4)	AL-3	CB-1362AL	STD,.25mm,.50mm,.75mm	2.0055/2.0061	0.0012/0.0026	0.0594	2.1261/2.1267	0.8320
Main Bearing Set 1-2-4-5 3	AL-3	MS-1803AL MB-3174AL MB-3175AL(F)	STD,.25mm,.50mm,.75mm	2.3597/2.3604 2.3597/2.3604	0.0007/0.0030 0.0007/0.0030	0.0793 0.0793	2.5197/2.5203 2.5197/2.5203	0.7530 1.1020
NOTE: .25mm Undersize Sets Contain .10mm Oversize Length Flanged Bearing,.50mm Undersize Set Contains .18mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .26mm Oversize Length Flanged Bearing,Contains Partial Grooved Main Bearings								
Connecting Rod	37 To 41 Lbs.Ft.							
Main Bearing	61 To 68 Lbs.Ft.							

KOMATSU								
ENGINE DATA								
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block			
4D155 12840CC (12.8L) Diesel	6.102in./155mmX6.693in./170mm	1	6 CYL (Cont.)					
S4D155 12840CC (12.8L) Diesel Turbocharged	6.102in./155mmX6.693in./170mm	1						
6 CYL			S6D155 19260CC (19.3L) Diesel	6.102in./155mmX6.693in./170mm	3			
			SA6D155 19260CC (19.3L) Diesel	6.102in./155mmX6.693in./170mm	3			
6D125 674 CID/11053CC (11.0L) Diesel	4.921in./125mmX5.910in./150mm	2						
MODEL DATA								
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block	
Base Model	Industrial	674 CID/11053CC (11.0L) 6D125 Diesel	2	Base Model	Industrial	19260CC (19.3L) SA6D155 Diesel	3	
Base Model	Industrial	12840CC (12.8L) S4D155 Diesel	1					

KOMATSU (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	12840CC (12.8L) 4D155 Diesel 4 Cyl (1971-1979)			6.102in./155mm x 6.693in./170mm				1
	12840CC (12.8L) S4D155 Turbocharged Diesel 4 Cyl (1971-1994)			6.102in./155mm x 6.693in./170mm				
Rod Bearing(4)		CB-1618P	STD.,.25mm,.50mm	4.0133/4.0143	0.0028/0.0059	0.1378	4.2917/4.2927	2.4020
Main Bearing Set		TM-1	MS-2055P	STD.,.25mm,.50mm				
1-2-4-5			MB-3449P	4.9809	0.0035/0.0067	0.1378	5.1985	1.8900
3			MB-3450P	4.9809	0.0035/0.0067	0.1378	5.1985	2.9140
Thrust Washer Set		TW-584S	STD					
		MB-3449W		4.9809			6.1425	0.2140
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2055P								
Main Bearing		333 To 376 Lbs.Ft.						
6 CYL								
2	674 CID/11053CC (11.0L) 6D125 Diesel 6 Cyl			4.921in./125mm x 5.910in./150mm				2
Rod Bearing(6)		CB-1773P	STD.,.25mm	3.1469/3.1476	0.0015/0.0042	0.9862	3.3464/3.3473	1.5770
Main Bearing Set			MS-2197P	STD.,.25mm				
1-2-3-4-5-6-7			MB-3748P	4.3280/4.3287	0.0023/0.0054	0.1179	4.5669/4.5678	1.3410
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-602S								
Thrust Washer Set		TW-602S	STD					
		MB-3748W		4.8030/4.8130			5.4626/5.4724	0.1547
NOTE: Use With Part Number MS-2197P								
3	19260CC (19.3L) S6D155,SA6D155 Diesel 6 Cyl			6.102in./155mm x 6.693in./170mm				3
Rod Bearing(6)		TM-1	CB-1618P	STD.,.25mm,.50mm	4.0133/4.0143	0.0028/0.0059	0.1378	4.2917/4.2927
Main Bearing Set		TM-1	MS-2001P	STD.,.25mm,.50mm				
1-2-4-6-7			MB-3449P	4.9809	0.0035/0.0067	0.1378	5.1985	1.8900
3-5			MB-3450P	4.9809	0.0035/0.0067	0.1378	5.1985	2.9140
Thrust Washer Set		TW-584S	STD					
		MB-3449W		4.9809			6.1425	0.2140
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-2001P								
Main Bearing		333 To 376 Lbs.Ft.						

KOMLER

ENGINE DATA								
Engine 6466A John Deere 466 CID (7.6L) Diesel Turbocharged/Intercooled	Bore & Stroke 4.563in./115.9mmX4.750in./120.7mm			Block 1				
MODEL DATA								
Model R0271	Model Type Power Unit	Engine 466 CID (7.6L) 6466A John Deere Diesel	Block 1					
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
1	466 CID (7.6L) 6466A John Deere Turbocharged/Intercooled Diesel 6 Cyl				4.563in./115.9mm x 4.750in./120.7mm			1
Rod Bearing(6)	TM-112	CB-1267P	STD,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900
Main Bearing Set 1-2-3-4-6-7 5	TM-112	MS-1529P MB-2858P MB-2859P	STD,10,20,30	3.3715/3.3725 3.3720/3.3730	0.0020/0.0050 0.0015/0.0045	0.1264 0.1264	3.6270/3.6280 3.6270/3.6280	1.3900 1.6780
NOTE: Contains 3 Piece Thrust Washer Set, Use In Number 5 Position								

ENGINE DATA

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
2507CC (2.5L) 2VZFE DOHC Toyota	1990-1991	3.445in./87.5mmX2.756in./70mm	1	4476CC (4.5L) 1FZFE DOHC Toyota	1996-1997	3.937in./100mmX3.740in./95mm	5
2959CC (3.0L) 3VZFE DOHC Toyota	1992-1993	3.445in./87.5mmX3.228in./82mm	2	8 CYL			
2995CC (3.0L) 1MZFE DOHC Toyota	1994-2002	3.445in./87.5mmX3.268in./83mm	3	3969CC (4.0L) 1UZFE DOHC Toyota	1990-1998	3.445in./87.5mmX3.250in./82.6mm	6
2997CC (3.0L) 2JZGE DOHC Toyota	1992-1998	3.386in./86mmX3.386in./86mm	4				

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
ES250	2507CC (2.5L) 2VZFE DOHC Toyota	1990-1991	1	LS400	3969CC (4.0L) 1UZFE DOHC Toyota	1990-2000	6
ES300	2959CC (3.0L) 3VZFE DOHC Toyota	1992-1993	2	LX450	4476CC (4.5L) 1FZFE DOHC Toyota	1996-1997	5
ES300	2995CC (3.0L) 1MZFE DOHC Toyota	1994-2003	3	RX300	2995CC (3.0L) 1MZFE DOHC Toyota	1999-2003	3
GS300	2997CC (3.0L) 2JZGE DOHC Toyota	1993-2005	4	SC300	2997CC (3.0L) 2JZGE DOHC Toyota	1992-2000	4
GS400	3969CC (4.0L) 1UZFE DOHC Toyota	1998-2000	6	SC400	3969CC (4.0L) 1UZFE DOHC Toyota	1992-2000	6

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block			
B7	3.268in./83mm	3			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

6 CYL

1 2507CC (2.5L) 2VZFE DOHC Toyota V6 Cyl (1990-1991) 3.445in./87.5mm x 2.756in./70mm 1

Rod Bearing(6)	TM-1	CB-1594P	STD.,25mm.,50mm	1.8892/1.8898	0.0009/0.0034	0.0586	2.0079/2.0088	0.6690
Main Bearing Set 1	TM-1	MS-1954P	STD.,25mm.,50mm	2.5193/2.5197	0.0010/0.0033	0.0784	2.6775/2.6783	0.8660
2-3-4		MB-3349P		2.5193/2.5197	0.0010/0.0033	0.0784	2.6775/2.6783	0.7874
		MB-3350P						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-554S								
Thrust Washer Set		TW-554S	STD	2.8051			3.4055	0.0980
		MB-3350W						
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-1954P								

Connecting Rod 18 Lbs.Ft. Plus 90 Degrees
Main Bearing 45 Lbs.Ft. Plus 90 Degrees

2 2959CC (3.0L) 3VZFE DOHC Toyota V6 Cyl (1992-1993) 3.445in./87.5mm x 3.228in./82mm 2

Main Bearing Set 1	TM-1	MS-1954P	STD.,25mm.,50mm	2.5193/2.5197	0.0010/0.0033	0.0784	2.6775/2.6783	0.8660
2-3-4		MB-3349P		2.5193/2.5197	0.0010/0.0033	0.0784	2.6775/2.6783	0.7874
		MB-3350P						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-554S								
Thrust Washer Set		TW-554S	STD	2.8051			3.4055	0.0980
		MB-3350W						
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-1954P								

Connecting Rod 18 Lbs.Ft. Plus 90 Degrees
Main Bearing 45 Lbs.Ft. Plus 90 Degrees

3 2995CC (3.0L) 1MZFE DOHC Toyota V6 Cyl (1994-2002) 3.445in./87.5mm x 3.268in./83mm 3

Rod Bearing(6)	TM-1	CB-1833P	STD.,25mm.,50mm	2.0863/2.0866	0.0013/0.0031	0.0584	2.2047/2.2055	0.6300
Main Bearing Set 1-4	TM-1	MS-2240P	STD.,25mm.,50mm	2.4011/2.4016	0.0011/0.0031	0.0979	2.5984/2.5992	0.8860
2-3		MB-3815P		2.4011/2.4016	0.0011/0.0031	0.0979	2.5984/2.5992	0.7480
		MB-3814P						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-618S								
Thrust Washer Set		TW-618S	STD	2.6850/2.6949			3.2953/3.3051	0.0780
		MB-3816W						
NOTE: Contains 4 Pieces, Use With Part Number MS-2240P								

C/S Forging B7

4 2997CC (3.0L) 2JZGE DOHC Toyota 6 Cyl (1992-1998) 3.386in./86mm x 3.386in./86mm 4

Rod Bearing(6)	TM-1	CB-1628P	STD.,25mm	2.0465/2.0472	0.0014/0.0021	0.0595	2.1663/2.1670	0.7600

LEXUS (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
4 (Cont.)	2997CC (3.0L) 2JZGE DOHC Toyota 6 Cyl (1992-1998)				3.386in./86mm x 3.386in./86mm			4 (Cont.)
Main Bearing Set 1	TM-1	MS-2014AL	STD.,25mm	2.4403/2.4410	0.0010/0.0018	0.0791	2.5992/2.5998	0.9060
2-3-4-5-6-7		MB-3477AL		2.4403/2.4410	0.0010/0.0018	0.0791	2.5992/2.5998	0.7880
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-589S								
Thrust Washer Set		TW-589S	STD	2.6535			3.2244	0.0776
		MB-3477W(L)		2.6535			3.2244	0.0776
		MB-3477W(U)						
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2014AL								
Connecting Rod	22 Lbs.Ft. Plus 90 Degrees							
Main Bearing	33 Lbs.Ft. Plus 90 Degrees							
5 4476CC (4.5L) 1FZFE DOHC Toyota 6 Cyl (1996-1997) 3.937in./100mm x 3.740in./95mm 5								
Rod Bearing(6)	TM-1	CB-1656AL	STD.,25mm.,50mm.,75mm	2.2434/2.2441	0.0013/0.0024	0.0687	2.3829/2.3836	0.8430
Main Bearing Set 1-2-3-4-5-6-7	TM-1	MS-2061AL	STD.,25mm.,50mm.,75mm	2.7158/2.7165	0.0015/0.0028	0.0981	2.9144/2.9151	0.9210
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-598S								
Thrust Washer Set		TW-598S	STD	2.9587			3.6969	0.0974
		MB-3551W(L)		2.9587			3.6969	0.0974
		MB-3551W(U)						
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-2061AL								
Connecting Rod	35 Lbs.Ft. Plus 90 Degrees							
Main Bearing	54 Lbs.Ft. Plus 90 Degrees							
8 CYL								
6 3969CC (4.0L) 1UZFE DOHC Toyota V8 Cyl (1990-1998) 3.445in./87.5mm x 3.250in./82.6mm 6								
Rod Bearing(8)	TM-1	CB-1627P	STD.,25mm	2.0465/2.0472	0.0010/0.0020		2.1654/2.1663	0.7677
Main Bearing Set 1-5	TM-1	MS-2013P	STD.,25mm	2.6373/2.6378	0.0010/0.0018	0.0984	2.8346/2.8352	0.8860
2-3-4		MB-3475P		2.6373/2.6378	0.0010/0.0018	0.0984	2.8346/2.8352	0.7680
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-588S								
Thrust Washer Set		TW-588S	STD	2.8901			3.5162	0.8460
		MB-3476W(L)		2.8901			3.5162	0.8460
		MB-3476W(U)						
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2013P								
Connecting Rod	18 Lbs.Ft. Plus 90 Degrees							
Main Bearing	20 Lbs.Ft. Plus 90 Degrees (Nuts)							
Main Bearing	36 Lbs.Ft. (Bolts)							

LISTER

ENGINE DATA									
Engine		Bore & Stroke		Block	Engine		Bore & Stroke		Block
1 CYL					3 CYL (Cont.)				
ST1 39 CID (0.6L) Diesel		3.750in./95.3mmX3.500in./88.9mm		1	ST3 116 CID (1.9L) Diesel		3.750in./95.3mmX3.500in./88.9mm		4
2 CYL					4 CYL				
HR2 128 CID (2.1L) Diesel		4.250in./108mmX4.500in./114.3mm		3	HR4 255 CID (4.2L) Diesel		4.250in./108mmX4.500in./114.3mm		6
ST2 77 CID (1.3L) Diesel		3.750in./95.3mmX3.500in./88.9mm		2	6 CYL				
3 CYL					HR6 383 CID (6.3L) Diesel		4.250in./108mmX4.500in./114.3mm		7
HR3 192 CID (3.1L) Diesel		4.250in./108mmX4.500in./114.3mm		5					
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
1 CYL									
1	39 CID (0.6L) ST1 Diesel 1 Cyl				3.750in./95.3mm x 3.500in./88.9mm				1
Rod Bearing	TM-77	CB-1447P	STD,10,20,40		2.4995/2.5000	0.0019/0.0029	0.0720	2.6460/2.6465	1.2500

LISTER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
1 CYL (Cont.)								
1 (Cont.)	39 CID (0.6L) ST1 Diesel 1 Cyl			3.750in./95.3mm x 3.500in./88.9mm				1 (Cont.)
Thrust Washer Set		TW-468S MB-3162W	STD	2.7150/2.7250		3.3700/3.3800		0.0920
NOTE: Contains 4 Pieces								
2 CYL								
2	77 CID (1.3L) ST2 Diesel 2 Cyl			3.750in./95.3mm x 3.500in./88.9mm				2
Rod Bearing(2)	TM-77	CB-1447P	STD,10,20,40	2.4995/2.5000	0.0019/0.0029	0.0720	2.6460/2.6465	1.2500
Thrust Washer Set		TW-468S MB-3162W	STD	2.7150/2.7250		3.3700/3.3800		0.0920
NOTE: Contains 4 Pieces								
3	128 CID (2.1L) HR2 Diesel 2 Cyl			4.250in./108mm x 4.500in./114.3mm				3
Rod Bearing(2)	TM-77	CB-1448P	STD,10	2.7487/2.7492	0.0023/0.0044	0.0820	2.9155/2.9160	1.4420
Main Bearing	TM-77	MB-3164P	STD,10	3.2490/3.2495	0.0025/0.0046	0.0820	3.4160/3.4170	1.4420
NOTE: Only Sold Separately, Positions 1 And 3								
Main Bearing	TM-77	MB-3165P	STD,10	3.2490/3.2495	0.0025/0.0046	0.0820	3.4160/3.4170	1.4420
NOTE: Only Sold Separately, Position Number 2								
3 CYL								
4	116 CID (1.9L) ST3 Diesel 3 Cyl			3.750in./95.3mm x 3.500in./88.9mm				4
Rod Bearing(3)	TM-77	CB-1447P	STD,10,20,40	2.4995/2.5000	0.0019/0.0029	0.0720	2.6460/2.6465	1.2500
Thrust Washer Set		TW-468S MB-3162W	STD	2.7150/2.7250		3.3700/3.3800		0.0920
NOTE: Contains 4 Pieces								
5	192 CID (3.1L) HR3 Diesel 3 Cyl			4.250in./108mm x 4.500in./114.3mm				5
Rod Bearing(3)	TM-77	CB-1448P	STD,10	2.7487/2.7492	0.0023/0.0044	0.0820	2.9155/2.9160	1.4420
Main Bearing(2)	TM-77	MB-3164P	STD,10	3.2490/3.2495	0.0025/0.0046	0.0820	3.4160/3.4170	1.4420
NOTE: Only Sold Separately, Positions 1 And 4								
Main Bearing(2)	TM-77	MB-3165P	STD,10	3.2490/3.2495	0.0025/0.0046	0.0820	3.4160/3.4170	1.4420
NOTE: Only Sold Separately, Positions 2 And 3								
4 CYL								
6	255 CID (4.2L) HR4 Diesel 4 Cyl			4.250in./108mm x 4.500in./114.3mm				6
Rod Bearing(4)	TM-77	CB-1448P	STD,10	2.7487/2.7492	0.0023/0.0044	0.0820	2.9155/2.9160	1.4420
Main Bearing(5)	TM-77	MB-3165P	STD,10	3.2490/3.2495	0.0025/0.0046	0.0820	3.4160/3.4170	1.4420
NOTE: Only Sold Separately, All Positions								
6 CYL								
7	383 CID (6.3L) HR6 Diesel 6 Cyl			4.250in./108mm x 4.500in./114.3mm				7
Rod Bearing(6)	TM-77	CB-1448P	STD,10	2.7487/2.7492	0.0023/0.0044	0.0820	2.9155/2.9160	1.4420
Main Bearing(7)	TM-77	MB-3165P	STD,10	3.2490/3.2495	0.0025/0.0046	0.0820	3.4160/3.4170	1.4420
NOTE: Only Sold Separately, All Positions								
MG								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
4 CYL				4 CYL (Cont.)				
948CC (0.9L) OHV	1961-1962	2.478in./62.9mmX2.992in./76mm	1	1493CC (1.5L)	1975-1980	2.900in./73.6mmX3.465in./88mm	4	
1098CC (1.1L)	1963-1967	2.539in./64.5mmX3.307in./84mm	1	1588CC (1.6L)	1959-1962	2.969in./75.4mmX3.504in./89mm	3	
1275CC (1.3L)	1967-1974	2.780in./70.6mmX3.189in./81mm	2	1622CC (1.6L)	1962-1968	3.000in./76.2mmX3.504in./89mm	3	
1489CC (1.5L) B Series Austin	1954-1961	2.874in./73mmX3.500in./88.9mm	3	1798CC (1.8L)	1963-1980	3.159in./80.3mmX3.504in./89mm	5	
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
1100	1098CC (1.1L)	1963-1967	1	MGA	1588CC (1.6L)	1959-1962	3	
1300	1275CC (1.3L)	1968-1969	2	MGB	1798CC (1.8L)	1963-1980	5	
	1489CC (1.5L) B Series Austin	1954-1961	3	MGB GT	1798CC (1.8L)	1966-1974	5	

MG (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Magnette	1622CC (1.6L)	1962-1968	3	Midget MK II	1098CC (1.1L)	1964-1966	1
Midget MK I	948CC (0.9L) OHV	1961-1962	1	Midget MK III	1275CC (1.3L)	1967-1974	2
Midget MK I	1098CC (1.1L)	1963-1964	1	Midget MK IV	1493CC (1.5L)	1975-1980	4

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
507	3.189in./81mm	2	3597	3.504in./89mm	5	17010	2.992in./76mm	1	G-124	3.307in./84mm	1
3596	3.504in./89mm	5	17009	2.992in./76mm	1	AEG-521	3.189in./81mm	2	G-127	3.307in./84mm	1

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
2A-717-A	2.992in./76mm	1	11G-74	2.992in./76mm	1	BB-38-AX	3.500in./88.9mm	3	PG-38-A	3.500in./88.9mm	3
2A-829	2.992in./76mm	1	11G-74-CF	3.500in./88.9mm	3	BB-38-AX	3.504in./89mm	3	PG-38-A	3.504in./89mm	3
11C-74	2.992in./76mm	1	11G-74-CF	3.504in./89mm	3	BE-53-B	2.992in./76mm	1			
11F-74-CF	3.500in./88.9mm	3	22H1954-A	3.504in./89mm	5	BT-79-3	3.500in./88.9mm	3			
11F-74-CF	3.504in./89mm	3	311406	3.465in./88mm	4	BT-79-3	3.504in./89mm	3			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	948CC (0.9L) OHV 4 Cyl (1961-1962)					2.478in./62.9mm x 2.992in./76mm			1
	1098CC (1.1L) 4 Cyl (1963-1967)					2.539in./64.5mm x 3.307in./84mm			

Rod Bearing(4)	VP-2	CB-488P	STD,10,20,30	1.6254/1.6259	0.0013/0.0033	0.0719	1.7705/1.7710	0.8800

Rod Forging	17009, 17010, G-124, G-127
C/S Forging	11C-74, 11G-74, 2A-829, BE-53-B, 2A-717-A

Connecting Rod	35 Lbs.Ft.
Main Bearing	60 To 65 Lbs.Ft. (948CC (0.9L) OHV)
Main Bearing	70 To 75 Lbs.Ft. (1098CC (1.1L))

2	1275CC (1.3L) 4 Cyl (1967-1974)					2.780in./70.6mm x 3.189in./81mm			2

Rod Bearing(4)	VP-2	CB-488P	STD,10,20,30	1.6254/1.6259	0.0013/0.0033	0.0719	1.7705/1.7710	0.8800

NOTE: 1968-1969, 1.625" Diameter Connecting Rod Journal

Rod Bearing(4)	AL-3	CB-931AL	STD,10	1.7504/1.7509	0.0013/0.0027	0.0716	1.8955/1.8960	0.8500

NOTE: 1.750" Diameter Connecting Rod Journal

Cam Bearing Set	B-1	SH-85S	STD					
1		SH-1001		1.6645/1.6650	0.0013/0.0034	0.0640	1.7955/1.7965	1.1300
2		SH-1002		1.6227/1.6232	0.0011/0.0027	0.0640	1.7535/1.7540	0.7550
3		SH-1006		1.3727/1.3735	0.0010/0.0030	0.0640	1.5030/1.5040	0.7800

NOTE: .780" Length Rear Cam Bearing

Rod Forging	507, AEG-521

Connecting Rod	35 Lbs.Ft. (1.625" Diameter Connecting Rod Journal)
Connecting Rod	45 Lbs.Ft. (1.750" Diameter Connecting Rod Journal)
Main Bearing	60 Lbs.Ft.

3	1489CC (1.5L) B Series Austin 4 Cyl (1954-1961)					2.874in./73mm x 3.500in./88.9mm			3
	1588CC (1.6L) 4 Cyl (1959-1962)					2.969in./75.4mm x 3.504in./89mm			
	1622CC (1.6L) 4 Cyl (1962-1968)					3.000in./76.2mm x 3.504in./89mm			

Rod Bearing(4)	AL-3	CB-487AL	STD,10,20,30	1.8759/1.8764	0.0015/0.0031	0.0718	2.0210/2.0215	1.0050

Cam Bearing Set	B-1	SH-481S	STD					
1		SH-481		1.7887/1.7892	0.0014/0.0032	0.0622	1.9150/1.9157	1.4740
2		SH-482		1.7283/1.7291	0.0011/0.0038	0.0622	1.8547/1.8559	1.1299
3		SH-483		1.6224/1.6228	0.0016/0.0038	0.0622	1.7488/1.7500	0.8169

C/S Forging BT-79-3, PG-38-A, BB-38-AX, 11F-74-CF, 11G-74-CF

Connecting Rod	23 To 35 Lbs.Ft.
Main Bearing	70 To 75 Lbs.Ft.

4	1493CC (1.5L) 4 Cyl (1975-1980)					2.900in./73.6mm x 3.465in./88mm			4

Rod Bearing(4)	AL-3	CB-982P	STD,10,20,30	1.8750/1.8755	0.0016/0.0036	0.0722	2.0210/2.0215	0.6920

Main Bearing Set	TM-77	MS-1109P	STD,10,20,30					
1-2-3		MB-617P		2.3110/2.3115	0.0015/0.0036	0.0720	2.4570/2.4575	0.8550

NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-229S

Thrust Washer Set	TW-229S	STD						
	MB-617W			2.5820/2.5920			3.0500/3.0600	0.0920

NOTE: Contains 2 Pieces, Position Number 2, Use With Part Number MS-1109P

MG (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
4 (Cont.)	1493CC (1.5L) 4 Cyl (1975-1980)			2.900in./73.6mm x 3.465in./88mm				4 (Cont.)
C/S Forging 311406								
Connecting Rod 45 Lbs.Ft. Main Bearing 65 Lbs.Ft.								
5	1798CC (1.8L) 4 Cyl (1963-1980)			3.159in./80.3mm x 3.504in./89mm				5
Rod Bearing(4) NOTE: 1965-1980	TM-77	CB-792P	STD,10,20,30	1.8759/1.8764	0.0019/0.0039	0.0716	2.0210/2.0215	0.7850
Main Bearing Set 1-3-5 2-4 NOTE: 1965-1980, Requires Thrust Washer Set, Not Included, Use With Part Number TW-144S	AL-3	MS-914P MB-2367P MB-18P	STD,10,20,30	2.1265/2.1270 2.1265/2.1270	0.0013/0.0033 0.0013/0.0033	0.0715 0.0715	2.2710/2.2715 2.2710/2.2715	1.1300 0.7700
Thrust Washer Set NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-914P		TW-144S MB-2058W MB-2367W	STD	2.3400/2.3500 2.3400/2.3500			2.9330/2.9430 2.9330/2.9430	0.0930 0.0930
Cam Bearing Set 1 2 3	B-1	SH-481S SH-481 SH-482 SH-483	STD	1.7887/1.7892 1.7283/1.7291 1.6224/1.6228	0.0014/0.0032 0.0011/0.0038 0.0016/0.0038	0.0622 0.0622 0.0622	1.9150/1.9157 1.8547/1.8559 1.7488/1.7500	1.4740 1.1299 0.8169
Rod Forging 3596, 3597 C/S Forging 22H1954-A								
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 70 Lbs.Ft.								
MACK								
ENGINE DATA								
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block	
6 CYL				6 CYL (Cont.)				
E3-180 (MIDR 06.02.12) Renault 335 CID/5495CC (5.5L) Diesel Turbocharged	4.016in./102mmX4.409in./112mm		1	EC6-350 672 CID (11.0L) Diesel Turbocharged/Aftercooled	4.875in./123.8mmX6.000in./152.4mm		3	
E6-200 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	EM6-225 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	
E6-250 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	EM6-225L 672 CID (11.0L) Diesel Turbocharged/Aftercooled	4.875in./123.8mmX6.000in./152.4mm		3	
E6-260 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	EM6-237 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	
E6-270 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	EM6-237R 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	
E6-275 672 CID (11.0L) Diesel Turbocharged/Aftercooled	4.875in./123.8mmX6.000in./152.4mm		3	EM6-250 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	
E6-315 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	EM6-250L 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	
E6-315R 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		4	EM6-275 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	
E6-350 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	EM6-275L 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	
E6-350R 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	EM6-275R 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	
E7 728 CID (11.9L) Diesel	4.875in./123.8mmX6.500in./165.1mm		9	EM6-285 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	
E7-350 728 CID (11.9L) Diesel	4.875in./123.8mmX6.500in./165.1mm		9	EM6-285R 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	
E7-400 728 CID (11.9L) Diesel	4.875in./123.8mmX6.500in./165.1mm		9	EM6-300 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	
EC6-235 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	EM6-300L 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	
EC6-275 672 CID (11.0L) Diesel Turbocharged/Aftercooled	4.875in./123.8mmX6.000in./152.4mm		3	EM6-300R 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	
EC6-300 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	EM6-310 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	
EC6-300L 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3					
EC6-330 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3					

MACK (Cont.)					
ENGINE DATA (Cont.)					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
EM6-350 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	3	ENDT676A 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	3
EM-250 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	3	ENDT-673 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
EMC6-250 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	3	ENDT-673A 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
EMC6-250L 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	3	ENDT-673B 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
EMC6-285 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	3	ENDT-673C 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
EMC6-285R 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	3	ENDT-675 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4
EME6-285 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	3	ENDTB-673C 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
EME6-285R 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	3	ENDTB-675 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4
EN-672 672 CID (11.0L)	4.875in./123.8mmX6.000in./152.4mm	5	ENDTB-675C 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4
EN-707 707 CID (11.6L)	5.000in./127mmX6.000in./152.4mm	2	ENDTB-676 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4
EN-707A 707 CID (11.6L)	5.000in./127mmX6.000in./152.4mm	2	ENDTB-676A 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4
EN-707B 707 CID (11.6L)	5.000in./127mmX6.000in./152.4mm	2	ENDTB-676B 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4
EN-707C 707 CID (11.6L)	5.000in./127mmX6.000in./152.4mm	2	ENDTBF-673C 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
END675 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4	ENDTF-673 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
END-605 605 CID (9.9L) Diesel	4.625in./117.5mmX6.000in./152.4mm	2	ENDTF-673A 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
END-672 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	5	ENDTF-673C 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
END-673 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	7	ENDYF-673C 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6
END-673 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	ENF-707A 707 CID (11.6L)	5.000in./127mmX6.000in./152.4mm	8
END-673A 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	7	ENF-707C 707 CID (11.6L)	5.000in./127mmX6.000in./152.4mm	8
END-673B 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	ET673E 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
END-673C 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	ET-673 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
END-673D 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	ETA-673 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
END-673E 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	ETA-676 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4
END-673E (Maxidyne) 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	ETAB-673 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
END-673P 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	ETAB-673A 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
END-673PC 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	ETAB-675 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4
END-673PD 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	ETAB-676B 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
END-673PR 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	ETAY673A 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
END-673T 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	ETAY676 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4
END-676 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4	ETAY676D 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	3
END-707 707 CID (11.6L) Diesel	5.000in./127mmX6.000in./152.4mm	8	ETAY-673B 672 CID (11.0L		

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
ETAZ-673B 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	ETZ673C 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
ETAZB-673 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	ETZ673E 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
ETAZB-673A 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	ETZ-677 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	3
ETAZB-673C 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	ETZ-673 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
ETAZB-675 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4	ETZ-673A 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
ETB-673 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	ETZ-673B 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
ETB-673E 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	ETZ-675 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4
ETC-673C 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	ETZ-675B 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	3
ETSX-675 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4	ETZB675 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4
ETSX-676 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4	ETZB-673 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
ETSX-677 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4	ETZB-673C 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
ETSZ-673A 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	ETZB-673E 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6
ETSZ-676 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4	ETZB-675B 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4
ETSZ-677 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4	MIDR 06.02.12 Renault 335 CID/5495CC (5.5L) Diesel Turbocharged	4.016in./102mmX4.409in./112mm	1
ETSZB-673A 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	MIDR 06.02.26 Renault 377 CID/6184CC (6.2L) Diesel Turbocharged	4.016in./102mmX4.961in./126mm	1
ETSZB-676 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4	MIDS 06.02.12 Renault 335 CID/5495CC (5.5L) Diesel Turbocharged	4.016in./102mmX4.409in./112mm	1
ETSZB-676A 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4	8 CYL		
ETSZB-677 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4	END865 866 CID (14.2L) Diesel	5.250in./133.4mmX5.000in./127mm	10
ETXB-673D 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	END866 866 CID (14.2L) Diesel	5.250in./133.4mmX5.000in./127mm	10
ETY673E 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	ENDDT-865 866 CID (14.2L) Diesel Turbocharged	5.250in./133.4mmX5.000in./127mm	11
ETY-673 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	ENDDT-866 866 CID (14.2L) Diesel Turbocharged	5.250in./133.4mmX5.000in./127mm	11
ETY-675 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4	ENDT865 866 CID (14.2L) Diesel Turbocharged	5.250in./133.4mmX5.000in./127mm	10
ETYB-673E 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	ENDT866 866 CID (14.2L) Diesel Turbocharged	5.250in./133.4mmX5.000in./127mm	10
ETYB-675 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4	ENDTB-865 866 CID (14.2L) Diesel Turbocharged	5.250in./133.4mmX5.000in./127mm	11
ETYB-675B 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4	ENDTB-866 866 CID (14.2L) Diesel Turbocharged	5.250in./133.4mmX5.000in./127mm	11

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
367GC-468F	6.000in./152.4mm	5	367GC-468F	6.000in./152.4mm	2	367GC-468F	6.000in./152.4mm	7	367GC-468F	6.000in./152.4mm	6

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
456CFG-5128	6.500in./165.1mm	9	456GC-518E	6.000in./152.4mm	7	456GC-518G	6.000in./152.4mm	7	456GC-545	6.000in./152.4mm	7
456CFG-5137	6.500in./165.1mm	9	456GC-518E	6.000in./152.4mm	6	456GC-518G	6.000in./152.4mm	6	456GC-545	6.000in./152.4mm	6
456GC-518A	6.000in./152.4mm	5	456GC-518F	6.000in./152.4mm	5	456GC-543	6.000in./152.4mm	5	456GC-545A	6.000in./152.4mm	5
456GC-518A	6.000in./152.4mm	2	456GC-518F	6.000in./152.4mm	2	456GC-543	6.000in./152.4mm	2	456GC-545A	6.000in./152.4mm	2
456GC-518A	6.000in./152.4mm	7	456GC-518F	6.000in./152.4mm	7	456GC-543	6.000in./152.4mm	7	456GC-545A	6.000in./152.4mm	7
456GC-518A	6.000in./152.4mm	6	456GC-518F	6.000in./152.4mm	6	456GC-543	6.000in./152.4mm	6	456GC-545A	6.000in./152.4mm	6
456GC-518E	6.000in./152.4mm	5	456GC-518G	6.000in./152.4mm	5	456GC-545	6.000in./152.4mm	5			
456GC-518E	6.000in./152.4mm	2	456GC-518G	6.000in./152.4mm	2	456GC-545	6.000in./152.4mm	2			

MACK (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
1	335 CID/5495CC (5.5L) E3-180 (MIDR 06.02.12),MIDR 06.02.12,MIDS 06.02.12 Renault Turbocharged Diesel 6 Cyl			4.016in./102mm x 4.409in./112mm				1
	377 CID/6184CC (6.2L) MIDR 06.02.26 Renault Turbocharged Diesel 6 Cyl			4.016in./102mm x 4.961in./126mm				
Main Bearing Set 1-2-3-4-5-6-7	TM-112	MS-1156P MB-691P	STD, .25mm	2.7560/2.7565	0.0024/0.0047	0.0770	2.9134/2.9141	1.1420
NOTE: 2.756" Crankshaft Journal Diameter,Thru 1990, Requires Thrust Washer Set, Not Included								
Main Bearing Set 1-2-3-4-5-6-7	TM-112	MS-2008P MB-3470P	STD	2.9926/2.9933	0.0026/0.0046	0.0770	3.1500/3.1508	1.0980
NOTE: 2.993" Crankshaft Journal Diameter,From 1991, Requires Thrust Washer Set, Not Included								
Main Bearing 74 Lbs.Ft. Plus 60 Degrees								
2	605 CID (9.9L) END-605,ENDM-605 Diesel 6 Cyl			4.625in./117.5mm x 6.000in./152.4mm				2
	707 CID (11.6L) EN-707,EN-707A,EN-707B,EN-707C 6 Cyl			5.000in./127mm x 6.000in./152.4mm				
Rod Bearing(6)	TM-112	CB-363P	STD,10,C60	2.9970/2.9990	0.0016/0.0041	0.0902	3.1795/3.1800	1.9130
Thrust Washer Set		TW-422S MB-1373W	STD	4.0625			5.2500	0.0920
NOTE: .250" Or .375" Dowel Pin Holes,4.000" Diameter Main Bearing Journals, Contains 4 Pieces,Contains Stepped Dowel Pins, Crankshaft,Position Number 4								
Cam Thrust Washer Set		SH-566WS SH-566W	STD	2.5000		3.8170		0.1870
NOTE: Contains Dowel Pins And 2 Thrust Washers 2.500" Inside Diameter								
Aux. Shaft Bearing Set	C-1	SH-563S	STD					
Front		SH-563		2.0610/2.0620	0.0020/0.0060	0.1237	2.3110/2.3120	1.7600
Rear		SH-564		1.9980/1.9990	0.0020/0.0060	0.1243	2.2490/2.2500	1.7600
Rod Forging	367GC-468F							
C/S Forging	456GC-543, 456GC-545, 456GC-518A, 456GC-518E, 456GC-518F, 456GC-518G, 456GC-545A							
Connecting Rod	150 Lbs.Ft.							
Main Bearing	150 Lbs.Ft.(5/8" Bolts)							
Main Bearing	200 Lbs.Ft. (605 CID (9.9L) END-605,707 CID (11.6L) EN-707)							
3	672 CID (11.0L) E6-200,E6-250,E6-260,E6-270,E6-315,E6-350,E6-350R, EC6-235,EC6-300,EC6-300L,EC6-330,EM6-225,EM6-237,EM6-237R,EM6-250, EM6-250L,EM6-275,EM6-275L,EM6-275R,EM6-285,EM6-285R,EM6-300, EM6-300L,EM6-300R,EM6-310,EM6-350,EMC6-250,EMC6-250L,EMC6-285, EMC6-285R,EME6-285,EME6-285R,ENDT676A,ETAY676D,ETZ-675B,ETZ677 Turbocharged Diesel 6 Cyl			4.875in./123.8mm x 6.000in./152.4mm				3
	672 CID (11.0L) E6-275,EC6-275,EC6-350,EM6-225L Turbocharged/Aftercooled Diesel 6 Cyl			4.875in./123.8mm x 6.000in./152.4mm				
	672 CID (11.0L) EM-250 Diesel 6 Cyl			4.875in./123.8mm x 6.000in./152.4mm				
Rod Bearing(6)	TM-112	CB-599P	STD,10,20,30	2.9975/2.9980	0.0016/0.0041	0.0902	3.1795/3.1800	1.6000
NOTE: 2 Valves Per Cylinder								
Rod Bearing(6)	TM-112	CB-1379P	STD,10,20,30	2.9970/2.9980	0.0013/0.0041	0.0902	3.1797/3.1805	1.6000
NOTE: 4 Valves Per Cylinder								
Main Bearing Set 1 2-3-5-6 4 7	TM-112	MS-954P MB-2520P MB-2045P MB-1373W MB-2521P	STD,10,20,30	3.9980/3.9990 3.9980/3.9990 4.0625 3.9980/3.9990	0.0023/0.0053 0.0023/0.0053 0.0023/0.0053	0.1250 0.1250 0.1250	4.2510/4.2520 4.2510/4.2520 5.2500 4.2510/4.2520	1.4700 1.2550 0.0920 2.0930
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 4 Position,Contains Stepped Dowel Pins								
Thrust Washer Set		TW-422S MB-1373W	STD	4.0625			5.2500	0.0920
NOTE: .250" Or .375" Dowel Pin Holes, Contains 4 Pieces,Contains Stepped Dowel Pins, Crankshaft,Position Number 4								
Cam Bearing Set 1 2-3-4-5-6-7	C-1	SH-676S SH-560 SH-676	STD	2.4390/2.4400 2.4390/2.4400	0.0010/0.0050 0.0010/0.0050	0.0910 0.0910	2.6230/2.6240 2.6230/2.6240	1.3850 1.0100
NOTE: Camshaft With 2.440" Diameter Number 7 Bearing Journal,From 4/84,Late Design,Thru 8/87								

MACK (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
3 (Cont.)	672 CID (11.0L) E6-200,E6-250,E6-260,E6-270,E6-315,E6-350,E6-350R,EC6-235,EC6-300,EC6-300L,EC6-330,EM6-225,EM6-237,EM6-237R,EM6-250,EM6-250L,EM6-275,EM6-275L,EM6-275R,EM6-285,EM6-285R,EM6-300,EM6-300L,EM6-300R,EM6-310,EM6-350,EMC6-250,EMC6-250L,EMC6-285,EMC6-285R,EME6-285,EME6-285R,ENDT676A,ETAY676D,ETZ-675B,ETZ677 Turbocharged Diesel 6 Cyl			4.875in./123.8mm x 6.000in./152.4mm				3 (Cont.)
	672 CID (11.0L) E6-275,EC6-275,EC6-350,EM6-225L Turbocharged/Aftercooled Diesel 6 Cyl			4.875in./123.8mm x 6.000in./152.4mm				
	672 CID (11.0L) EM-250 Diesel 6 Cyl			4.875in./123.8mm x 6.000in./152.4mm				
Cam Bearing Set	C-1	SH-693S	STD					
1		SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850
2-5		SH-693		2.4390/2.4400	0.0020/0.0060	0.0905	2.6230/2.6240	1.0100
3-4-6		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
7		SH-357		2.2510/2.2520	0.0010/0.0030	0.1853	2.6230/2.6240	1.3800
NOTE: Early Design, Slotted Bearings In Positions 2 And 5								
Cam Bearing Set	C-1	SH-993S	STD					
1		SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850
2-3-4-5-6		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
7		SH-357		2.2510/2.2520	0.0010/0.0030	0.1853	2.6230/2.6240	1.3800
NOTE: Camshaft With 2.250" Diameter Number 7 Bearing Journal,Late Design,Thru 4/84								
Cam Bearing Set	C-1	SH-1450S	STD					
1		SH-1450		2.4390/2.4400	0.0012/0.0052	0.0905	2.6230/2.6240	1.3850
2-3-4-5-6-7		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
NOTE: From 8/87								
Cam Thrust Washer Set		SH-566WS	STD					
		SH-566W		2.5000		3.8170		0.1870
NOTE: Contains Dowel Pins And 2 Thrust Washers 2.500" Inside Diameter, Use With Part Number SH-676S,SH-693S,SH-993S,SH-1450S								
Aux. Shaft Bearing Set	C-1	SH-563S	STD					
Front		SH-563		2.0610/2.0620	0.0020/0.0060	0.1237	2.3110/2.3120	1.7600
Rear		SH-564		1.9980/1.9990	0.0020/0.0060	0.1243	2.2490/2.2500	1.7600
Piston Pin Bushing(6)	C-1	223-3488	STD			0.0405	1.6870/1.6875	1.8540
NOTE: Engines With 1.625" Piston Pin Diameter, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3544	STD			0.0695	2.1250/2.1255	1.6850
NOTE: Engines With 2.000" Pin Diameter, Requires Boring								
Connecting Rod	150 Lbs.Ft.							
Main Bearing	200 Lbs.Ft. (Bearing Cap Numbers 1, 4 And 7)							
Main Bearing	220 Lbs.Ft. (Bearing Cap Numbers 2, 3, 5 And 6. These Caps Use Tie Brackets And Flanged Bolts.)							
4	672 CID (11.0L) E6-315R,ENDT-675,ENDT676,ENDTB-675C,ENDTB-675,ENDTB-676A,ENDTB-676B,ENDTB-676,ETA-676,ETAB-675,ETAB-676B,ETAY676,ETAYB-676,ETAZB-675,ETSX-675,ETSX-676,ETSX-677,ETSZ-676,ETSZ-677,ETSZB-676A,ETSZB-676,ETSZB-677,ETY-675,ETYB-675B,ETYB-675,ETZ-675,ETZB-675B,ETZB675 Turbocharged Diesel 6 Cyl			4.875in./123.8mm x 6.000in./152.4mm				4
	672 CID (11.0L) END-676,END675 Diesel 6 Cyl			4.875in./123.8mm x 6.000in./152.4mm				
Rod Bearing(6)	TM-112	CB-599P	STD,10,20,30	2.9975/2.9980	0.0016/0.0041	0.0902	3.1795/3.1800	1.6000
NOTE: 2 Valves Per Cylinder								
Main Bearing Set	TM-112	MS-954P	STD,10,20,30					
1		MB-2520P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	1.4700
2-3-5-6		MB-2045P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	1.2550
4		MB-1373W		4.0625			5.2500	0.0920
7		MB-2521P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	2.0930
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 4 Position,Contains Stepped Dowel Pins								
Thrust Washer Set		TW-422S	STD					
		MB-1373W		4.0625			5.2500	0.0920
NOTE: .250" Or .375" Dowel Pin Holes, Contains 4 Pieces,Contains Stepped Dowel Pins, Crankshaft,Position Number 4								

MACK (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
4 (Cont.)	672 CID (11.0L) E6-315R,ENDT-675,ENDT676,ENDTB-675C,ENDTB-675,ENDTB-676A,ENDTB-676B,ENDTB-676,ETA-676,ETAB-675,ETAB-676B,ETAY676,ETAYB-676,ETAZB-675,ETXS-675,ETXS-676,ETXS-677,ETSZ-676,ETSZ-677,ETSZB-676A,ETSZB-676,ETSZB-677,ETY-675,ETYP-675B,ETYP-675,ETZ-675,ETZB-675B,ETZB675 Turbocharged Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm			4 (Cont.)
	672 CID (11.0L) END-676,END675 Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm			
Cam Bearing Set 1	C-1	SH-676S	STD	2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850
2-3-4-5-6-7		SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
NOTE: Camshaft With 2.440" Diameter Number 7 Bearing Journal,From 4/84,Late Design,Thru 8/87								
Cam Bearing Set 1	C-1	SH-693S	STD	2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850
2-5		SH-560		2.4390/2.4400	0.0020/0.0060	0.0905	2.6230/2.6240	1.0100
3-4-6		SH-693		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
7		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
		SH-357		2.2510/2.2520	0.0010/0.0030	0.1853	2.6230/2.6240	1.3800
NOTE: Early Design, Slotted Bearings In Positions 2 And 5								
Cam Bearing Set 1	C-1	SH-993S	STD	2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850
2-3-4-5-6		SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
7		SH-676		2.2510/2.2520	0.0010/0.0030	0.1853	2.6230/2.6240	1.3800
NOTE: Camshaft With 2.250" Diameter Number 7 Bearing Journal,Late Design,Thru 4/84								
Cam Bearing Set 1	C-1	SH-1450S	STD	2.4390/2.4400	0.0012/0.0052	0.0905	2.6230/2.6240	1.3850
2-3-4-5-6-7		SH-1450		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
NOTE: From 8/87,Late Design								
Cam Thrust Washer Set		SH-566WS	STD	2.5000		3.8170		0.1870
		SH-566W						
NOTE: Contains Dowel Pins And 2 Thrust Washers 2.500" Inside Diameter, Use With Part Number SH-676S,SH-693S,SH-993S,SH-1450S								
Aux. Shaft Bearing Set	C-1	SH-563S	STD	2.0610/2.0620	0.0020/0.0060	0.1237	2.3110/2.3120	1.7600
Front		SH-563		1.9980/1.9990	0.0020/0.0060	0.1243	2.2490/2.2500	1.7600
Rear		SH-564						
Piston Pin Bushing(6)	C-1	223-3488	STD			0.0405	1.6870/1.6875	1.8540
NOTE: Engines With 1.625" Piston Pin Diameter, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3544	STD			0.0695	2.1250/2.1255	1.6850
NOTE: Engines With 2.000" Pin Diameter, Requires Boring								
Connecting Rod	150 Lbs.Ft.							
Main Bearing	150 Lbs.Ft. (5/8" Bolts)							
Main Bearing	200 Lbs.Ft. (11/16" Bolts)							
Main Bearing	200 Lbs.Ft. (Bearing Cap Numbers 1, 4 And 7)							
Main Bearing	220 Lbs.Ft. (Bearing Cap Numbers 2, 3, 5 And 6. These Caps Use Tie Brackets And Flanged Bolts.)							
5	672 CID (11.0L) EN-672 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm			5
	672 CID (11.0L) END-672,ENDS-672 Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm			
Rod Bearing(6)	TM-112	CB-363P	STD,10,C60	2.9970/2.9990	0.0016/0.0041	0.0902	3.1795/3.1800	1.9130
Thrust Washer Set		TW-422S	STD	4.0625			5.2500	0.0920
		MB-1373W						
NOTE: .250" Or .375" Dowel Pin Holes, Contains 4 Pieces,Contains Stepped Dowel Pins, Crankshaft,Position Number 4								
Cam Thrust Washer Set		SH-566WS	STD	2.5000		3.8170		0.1870
		SH-566W						
NOTE: Contains Dowel Pins And 2 Thrust Washers 2.500" Inside Diameter								
Aux. Shaft Bearing Set	C-1	SH-563S	STD	2.0610/2.0620	0.0020/0.0060	0.1237	2.3110/2.3120	1.7600
Front		SH-563		1.9980/1.9990	0.0020/0.0060	0.1243	2.2490/2.2500	1.7600
Rear		SH-564						

MACK (Cont.)

MACK (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
5 (Cont.)	672 CID (11.0L) EN-672 6 Cyl			4.875in./123.8mm x 6.000in./152.4mm				5 (Cont.)	
	672 CID (11.0L) END-672,ENDS-672 Diesel 6 Cyl			4.875in./123.8mm x 6.000in./152.4mm					
Piston Pin Bushing(6)	C-1	223-3488	STD			0.0405	1.6870/1.6875	1.8540	
NOTE: Engines With 1.625" Piston Pin Diameter, Requires Boring									
Piston Pin Bushing(6)	C-1	223-3544	STD			0.0695	2.1250/2.1255	1.6850	
NOTE: Engines With 2.000" Pin Diameter, Requires Boring									
Rod Forging	367GC-468F								
C/S Forging	456GC-543, 456GC-545, 456GC-518A, 456GC-518E, 456GC-518F, 456GC-518G, 456GC-545A								
Connecting Rod	150 Lbs.Ft.								
Main Bearing	150 Lbs.Ft. (5/8" Bolts)								
Main Bearing	200 Lbs.Ft. (672 CID (11.0L) EN-672,672 CID (11.0L) END-672)								
6	672 CID (11.0L) END-673,END-673E (Maxidyne),ENDLT-673A,ENDLT-673B,ENDLT-673C,ENDLT-673,ENDT-673A,ENDT-673B,ENDT-673C,ENDT-673,ENDTB-673C,ENDTB-673C,ENDTF-673A,ENDTF-673C,ENDTF-673,ET-673,ET673E,ETA-673,ETAB-673A,ETAB-673,ETAY673A,ETAYB-673A,ETAZ-673B,ETAZ-673,ETAZ673A,ETAZB-673A,ETAZB-673C,ETAZB-673,ETB-673,ETB-673E,ETC-673C,ETSZ-673A,ETSZB-673A,ETXB-673D,ETY-673,ETY673E,ETYB-673E,ETZ-673A,ETZ-673B,ETZ-673,ETZ673C,ETZ673E,ETZB-673C,ETZB-673,ETZB-673E Turbocharged Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm				6
	672 CID (11.0L) END-6673P,END-6732PB,END-673C,END-673D,END-673E,END-673PC,END-673PD,END-673P,END-673PR,END-673T,ENDL-673E,ENDL-673P,ENDYF-673C Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm				
	672 CID (11.0L) ETAY-673B Turbocharged/Aftercooled Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm				
Rod Bearing(6)	TM-112	CB-363P	STD,10,C60	2.9970/2.9990	0.0016/0.0041	0.0902	3.1795/3.1800	1.9130	
NOTE: Engines With 1.913" Length Connecting Rod Bearings									
Rod Bearing(6)	TM-112	CB-599P	STD,10,20,30	2.9975/2.9980	0.0016/0.0041	0.0902	3.1795/3.1800	1.6000	
NOTE: 2 Valves Per Cylinder,Engines With 1.600" Length Connecting Rod Bearings									
Main Bearing Set	TM-112	MS-954P	STD,10,20,30						
1		MB-2520P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	1.4700	
2-3-5-6		MB-2045P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	1.2550	
4		MB-1373W		4.0625			5.2500	0.0920	
7		MB-2521P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	2.0930	
NOTE: Engines With 1.255" Length Main Bearings In Positions 2-3-5-6, Contains 4 Piece Thrust Washer Set, Use In Number 4 Position,Contains Stepped Dowel Pins									
Thrust Washer Set		TW-422S	STD						
		MB-1373W		4.0625			5.2500	0.0920	
NOTE: .250" Or .375" Dowel Pin Holes, Contains 4 Pieces,Contains Stepped Dowel Pins, Crankshaft,Position Number 4									
Cam Bearing Set	C-1	SH-676S	STD						
1		SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850	
2-3-4-5-6-7		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100	
NOTE: Camshaft With 2.440" Diameter Number 7 Bearing Journal,From 4/84,Late Design,Thru 8/87									
Cam Bearing Set	C-1	SH-693S	STD						
1		SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850	
2-5		SH-693		2.4390/2.4400	0.0020/0.0060	0.0905	2.6230/2.6240	1.0100	
3-4-6		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100	
7		SH-357		2.2510/2.2520	0.0010/0.0030	0.1853	2.6230/2.6240	1.3800	
NOTE: Early Design, Slotted Bearings In Positions 2 And 5									
Cam Bearing Set	C-1	SH-993S	STD						
1		SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850	
2-3-4-5-6		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100	
7		SH-357		2.2510/2.2520	0.0010/0.0030	0.1853	2.6230/2.6240	1.3800	
NOTE: Camshaft With 2.250" Diameter Number 7 Bearing Journal,Late Design,Thru 4/84									
Cam Bearing Set	C-1	SH-1450S	STD						
1		SH-1450		2.4390/2.4400	0.0012/0.0052	0.0905	2.6230/2.6240	1.3850	
2-3-4-5-6-7		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100	
NOTE: From 8/87,Late Design									

MACK (Cont.)

COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
6 (Cont.)	672 CID (11.0L) END-673,END-673E (Maxidyne),ENDLT-673A,ENDLT-673B,ENDLT-673C,ENDLT-673,ENDT-673A,ENDT-673B,ENDT-673C,ENDT-673,ENDTB-673C,ENDTB-673C,ENDTF-673A,ENDTF-673C,ENDTF-673,ET-673,ET673E,ETA-673,ETAB-673A,ETAB-673,ETAY673A,ETAYB-673A,ETAZ-673B,ETAZ-673,ETAZ673A,ETAZB-673A,ETAZB-673C,ETAZB-673,ETB-673,ETB-673E,ETC-673C,ETSZ-673A,ETSZB-673A,ETXB-673D,ETY-673,ETY673E,ETYB-673E,ETZ-673A,ETZ-673B,ETZ-673,ETZ673C,ETZ673E,ETZB-673C,ETZB-673,ETZB-673E Turbocharged Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm			6 (Cont.)	
	672 CID (11.0L) END-6673P,END-6732PB,END-673C,END-673D,END-673E,END-673PC,END-673PD,END-673P,END-673PR,END-673T,ENDL-673E,ENDL-673P,ENDYF-673C Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm				
	672 CID (11.0L) ETAY-673B Turbocharged/Aftercooled Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm				
Cam Thrust Washer Set		SH-566WS	STD						
		SH-566W		2.5000		3.8170		0.1870	
NOTE: Contains Dowel Pins And 2 Thrust Washers 2.500" Inside Diameter, Use With Part Number SH-676S,SH-693S,SH-993S,SH-1450S									
Aux. Shaft Bearing Set		C-1	SH-563S	STD					
Front			SH-563	2.0610/2.0620	0.0020/0.0060	0.1237	2.3110/2.3120	1.7600	
Rear			SH-564	1.9980/1.9990	0.0020/0.0060	0.1243	2.2490/2.2500	1.7600	
Piston Pin Bushing(6)		C-1	223-3488	STD					
NOTE: Engines With 1.625" Piston Pin Diameter, Requires Boring									
Piston Pin Bushing(6)		C-1	223-3544	STD					
NOTE: Engines With 2.000" Pin Diameter, Requires Boring									
Rod Forging		367GC-468F							
C/S Forging		456GC-543, 456GC-545, 456GC-518A, 456GC-518E, 456GC-518F, 456GC-518G, 456GC-545A							
Connecting Rod		150 Lbs.Ft.							
Main Bearing		150 Lbs.Ft. (5/8" Bolts)							
Main Bearing		200 Lbs.Ft. (672 CID (11.0L) END-673)							
7	672 CID (11.0L) END-673A,END-673B,END-673 Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm			7	
Rod Bearing(6)		TM-112	CB-363P	STD,10,C60	2.9970/2.9990	0.0016/0.0041	0.0902	3.1795/3.1800	1.9130
NOTE: Engines With 1.913" Length Connecting Rod Bearings									
Rod Bearing(6)		TM-112	CB-599P	STD,10,20,30	2.9975/2.9980	0.0016/0.0041	0.0902	3.1795/3.1800	1.6000
NOTE: 2 Valves Per Cylinder,Engines With 1.600" Length Connecting Rod Bearings									
Main Bearing Set		TM-112	MS-954P	STD,10,20,30					
1			MB-2520P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	1.4700
2-3-5-6			MB-2045P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	1.2550
4			MB-1373W		4.0625			5.2500	0.0920
7			MB-2521P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	2.0930
NOTE: Engines With 1.255" Length Main Bearings In Positions 2-3-5-6, Contains 4 Piece Thrust Washer Set, Use In Number 4 Position,Contains Stepped Dowel Pins									
Thrust Washer Set			TW-422S	STD					
			MB-1373W		4.0625			5.2500	0.0920
NOTE: .250" Or .375" Dowel Pin Holes, Contains 4 Pieces,Contains Stepped Dowel Pins, Crankshaft,Position Number 4									
Cam Bearing Set		C-1	SH-676S	STD					
1			SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850
2-3-4-5-6-7			SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
NOTE: Camshaft With 2.440" Diameter Number 7 Bearing Journal,From 4/84,Late Design,Thru 8/87									
Cam Bearing Set		C-1	SH-693S	STD					
1			SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850
2-5			SH-693		2.4390/2.4400	0.0020/0.0060	0.0905	2.6230/2.6240	1.0100
3-4-6			SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
7			SH-357		2.2510/2.2520	0.0010/0.0030	0.1853	2.6230/2.6240	1.3800
Cam Bearing Set		C-1	SH-1450S	STD					
1			SH-1450		2.4390/2.4400	0.0012/0.0052	0.0905	2.6230/2.6240	1.3850
2-3-4-5-6-7			SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
NOTE: From 8/87,Late Design									

MACK (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
7 (Cont.)	672 CID (11.0L) END-673A,END-673B,END-673 Diesel 6 Cyl			4.875in./123.8mm x 6.000in./152.4mm				7 (Cont.)
Cam Thrust Washer Set		SH-566WS	STD	2.5000		3.8170		0.1870
		SH-566W						
NOTE: Contains Dowel Pins And 2 Thrust Washers 2.500" Inside Diameter, Use With Part Number SH-693S								
Aux. Shaft Bearing Set	C-1	SH-563S	STD	2.0610/2.0620 1.9980/1.9990	0.0020/0.0060 0.0020/0.0060	0.1237 0.1243	2.3110/2.3120 2.2490/2.2500	1.7600 1.7600
Front		SH-563						
Rear		SH-564						
Piston Pin Bushing(6)	C-1	223-3488	STD			0.0405	1.6870/1.6875	1.8540
NOTE: Engines With 1.625" Piston Pin Diameter, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3544	STD			0.0695	2.1250/2.1255	1.6850
NOTE: Engines With 2.000" Pin Diameter, Requires Boring								
Connecting Rod	150 Lbs.Ft.							
Main Bearing	150 Lbs.Ft. (5/8" Bolts)							
Main Bearing	200 Lbs.Ft. (11/16" Bolts)							
8	707 CID (11.6L) END-707,END-711A,END-711B,END-711C,END-711,ENDD-711, ENDDL-711,ENDL-707,ENDL711 Diesel 6 Cyl			5.000in./127mm x 6.000in./152.4mm				8
	707 CID (11.6L) ENDLT-711 Turbocharged Diesel 6 Cyl			5.000in./127mm x 6.000in./152.4mm				
	707 CID (11.6L) ENF-707A,ENF-707C 6 Cyl			5.000in./127mm x 6.000in./152.4mm				
Rod Bearing(6)	TM-112	CB-599P	STD,10,20,30	2.9975/2.9980	0.0016/0.0041	0.0902	3.1795/3.1800	1.6000
NOTE: 2 Valves Per Cylinder								
Main Bearing Set	TM-112	MS-954P	STD,10,20,30	3.9980/3.9990 3.9980/3.9990 4.0625 3.9980/3.9990	0.0023/0.0053 0.0023/0.0053	0.1250 0.1250 0.1250	4.2510/4.2520 4.2510/4.2520 5.2500 4.2510/4.2520	1.4700 1.2550 0.0920 2.0930
1		MB-2520P						
2-3-5-6		MB-2045P						
4		MB-1373W						
7		MB-2521P						
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 4 Position,Contains Stepped Dowel Pins								
Thrust Washer Set		TW-422S	STD	4.0625			5.2500	0.0920
		MB-1373W						
NOTE: .250" Or .375" Dowel Pin Holes, Contains 4 Pieces,Contains Stepped Dowel Pins, Crankshaft,Position Number 4								
Cam Bearing Set	C-1	SH-676S	STD	2.4390/2.4400 2.4390/2.4400	0.0010/0.0050 0.0010/0.0050	0.0910 0.0910	2.6230/2.6240 2.6230/2.6240	1.3850 1.0100
1		SH-560						
2-3-4-5-6-7		SH-676						
NOTE: Camshaft With 2.440" Diameter Number 7 Bearing Journal,From 4/84,Late Design,Thru 8/87								
Cam Bearing Set	C-1	SH-693S	STD	2.4390/2.4400 2.4390/2.4400 2.4390/2.4400 2.2510/2.2520	0.0010/0.0050 0.0020/0.0060 0.0010/0.0050 0.0010/0.0030	0.0910 0.0905 0.0910 0.1853	2.6230/2.6240 2.6230/2.6240 2.6230/2.6240 2.6230/2.6240	1.3850 1.0100 1.0100 1.3800
1		SH-560						
2-5		SH-693						
3-4-6		SH-676						
7		SH-357						
NOTE: Early Design, Slotted Bearings In Positions 2 And 5								
Cam Bearing Set	C-1	SH-993S	STD	2.4390/2.4400 2.4390/2.4400 2.2510/2.2520	0.0010/0.0050 0.0010/0.0050 0.0010/0.0030	0.0910 0.0910 0.1853	2.6230/2.6240 2.6230/2.6240 2.6230/2.6240	1.3850 1.0100 1.3800
1		SH-560						
2-3-4-5-6		SH-676						
7		SH-357						
NOTE: Camshaft With 2.250" Diameter Number 7 Bearing Journal,Late Design,Thru 4/84								
Cam Bearing Set	C-1	SH-1450S	STD	2.4390/2.4400 2.4390/2.4400	0.0012/0.0052 0.0010/0.0050	0.0905 0.0910	2.6230/2.6240 2.6230/2.6240	1.3850 1.0100
1		SH-1450						
2-3-4-5-6-7		SH-676						
NOTE: From 8/87								
Cam Thrust Washer Set		SH-566WS	STD	2.5000		3.8170		0.1870
		SH-566W						
NOTE: Contains Dowel Pins And 2 Thrust Washers 2.500" Inside Diameter, Use With Part Number SH-676S,SH-693S,SH-993S,SH-1450S								

MACK (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
8 (Cont.)	707 CID (11.6L) END-707,END-711A,END-711B,END-711C,END-711,ENDD-711, ENDDL-711,ENDL-707,ENDL711 Diesel 6 Cyl				5.000in./127mm x 6.000in./152.4mm			8 (Cont.)
	707 CID (11.6L) ENDLT-711 Turbocharged Diesel 6 Cyl				5.000in./127mm x 6.000in./152.4mm			
	707 CID (11.6L) ENF-707A,ENF-707C 6 Cyl				5.000in./127mm x 6.000in./152.4mm			
Aux. Shaft Bearing Set	C-1	SH-563S	STD					
Front		SH-563		2.0610/2.0620	0.0020/0.0060	0.1237	2.3110/2.3120	1.7600
Rear		SH-564		1.9980/1.9990	0.0020/0.0060	0.1243	2.2490/2.2500	1.7600
Connecting Rod	150 Lbs.Ft.							
Main Bearing	150 Lbs.Ft. (5/8" Bolts)							
Main Bearing	200 Lbs.Ft. (707 CID (11.6L) END-707,707 CID (11.6L) ENF-707A)							
9	728 CID (11.9L) E7-350,E7-400,E7 Diesel 6 Cyl				4.875in./123.8mm x 6.500in./165.1mm			9
Rod Bearing(6)	TM-112	CB-1598P	STD,10,20	3.2470/3.2480	0.0014/0.0044	0.0892	3.4290/3.4310	1.4250
Main Bearing Set		MS-1982P	STD,10,20					
1		MB-3410P		4.4964/4.4974	0.0015/0.0045	0.1592	4.8170/4.8180	1.2550
2-3-5-6		MB-3411P		4.4964/4.4974	0.0022/0.0056	0.1587	4.8170/4.8190	1.2550
4		MB-3412P		4.4964/4.4974	0.0022/0.0056	0.1587	4.8170/4.8190	1.8800
7		MB-3413P		4.4964/4.4974	0.0022/0.0056	0.1587	4.8170/4.8190	1.8800
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Thrust Washer Set		TW-582S	STD					
		MB-3412W(L)		4.8770			5.8550	0.1400
		MB-3412W(U)		4.8770			5.8550	0.1400
NOTE: Contains 4 Pieces, Position Number 4								
Cam Bearing Set	C-1	SH-1450S	STD					
1		SH-1450		2.4390/2.4400	0.0012/0.0052	0.0905	2.6230/2.6240	1.3850
2-3-4-5-6-7		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
C/S Forging	456CFG-5128, 456CFG-5137							
Connecting Rod	130 Lbs.Ft. (14mm Bolts With Sleeves)							
Connecting Rod	148 To 152 Lbs.Ft. (16mm Bolts)							
Main Bearing	200 To 220 Lbs.Ft.							
Main Bearing	85 To 95 Lbs.Ft. (Side Bolts)							
8 CYL								
10	866 CID (14.2L) END865,END866 Diesel 8 Cyl				5.250in./133.4mm x 5.000in./127mm			10
	866 CID (14.2L) ENDT865,ENDT866 Turbocharged Diesel 8 Cyl				5.250in./133.4mm x 5.000in./127mm			
Rod Bearing(8)	TM-112	CB-987P	STD,10	3.7470/3.7480	0.0021/0.0051	0.1262	4.0020/4.0030	1.5160
Connecting Rod	(Except Rod Number 367GCA3178A)							
Connecting Rod	170 To 180 Lbs.Ft. (Rod Number 367GCA3178A)							
11	866 CID (14.2L) ENDDT-865,ENDDT-866,ENDTB-865,ENDTB-866 Turbocharged Diesel V8 Cyl				5.250in./133.4mm x 5.000in./127mm			11
Rod Bearing(8)	TM-112	CB-987P	STD,10	3.7470/3.7480	0.0021/0.0051	0.1262	4.0020/4.0030	1.5160
Connecting Rod	(Except Rod Number 367GCA3178A)							
Connecting Rod	170 To 180 Lbs.Ft. (Rod Number 367GCA3178A)							

MASSEY FERGUSON

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
2 CYL			3 CYL (Cont.)		
TFD Wisconsin 54 CID (0.9L)	3.250in./82.6mmX3.250in./82.6mm	1	P3-144 Perkins 144 CID (2.4L) Diesel	3.504in./89mmX5.000in./127mm	3
THD Wisconsin 54 CID (0.9L)	3.250in./82.6mmX3.250in./82.6mm	1			
3 CYL			4 CYL		
3-71 Detroit Diesel 213 CID (3.5L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	4	4-192 Perkins 192 CID (3.1L) Diesel	3.504in./89mmX5.000in./127mm	16
3-135 Perkins 135 CID (2.2L) Diesel	3.600in./91.4mmX5.000in./127mm	2	4-203 Perkins 203 CID (3.3L) Diesel	3.583in./91mmX5.000in./127mm	16
3-152 Perkins 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	3	4-236 Perkins 236 CID (3.9L) Diesel	3.875in./98.4mmX5.000in./127mm	20
A3-152 Perkins 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	3	4-248 Perkins 248 CID (4.1L) Diesel	3.976in./101mmX5.000in./127mm	21
AD3-152 Perkins 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	3	4-300 Perkins 301 CID (4.9L) Diesel	4.488in./114mmX4.764in./121mm	24
AG3-152 Perkins 152 CID (2.5L)	3.600in./91.4mmX5.000in./127mm	3	4.318 Perkins 318 CID/5215CC (5.2L) Diesel	4.500in./114.3mmX5.000in./127mm	25
D3-152 Perkins 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	3	A4-107 Perkins 107 CID (1.8L) Diesel	3.125in./79.4mmX3.465in./88mm	7
			A4-203 Perkins 203 CID (3.3L) Diesel	3.583in./91mmX5.000in./127mm	16

MASSEY FERGUSON (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL (Cont.)			6 CYL (Cont.)		
A4-236 Perkins 236 CID (3.9L) Diesel	3.858in./98mmX5.000in./127mm	20	6-354 Perkins 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	35
A4-248 Perkins 248 CID (4.1L) Diesel	3.976in./101mmX5.000in./127mm	21	6-354.4 Perkins 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	36
A4.318 Perkins 318 CID/5215CC (5.2L) Diesel	4.500in./114.3mmX5.000in./127mm	25	6.305 Perkins 305 CID (5.0L) Diesel	3.600in./91.4mmX5.000in./127mm	32
AD4-203 Perkins 203 CID (3.3L) Diesel	3.583in./91mmX5.000in./127mm	16	504 Minneapolis Moline 504 CID (8.3L) LPG	4.625in./117.5mmX5.000in./127mm	39
AG4-212 Perkins 212 CID (3.5L) Diesel	3.661in./93mmX5.000in./127mm	19	Chrysler 265 CID (4.3L)	3.438in./87.33mmX4.750in./120.7mm	30
E201 Continental 201 CID (3.3L)	3.625in./92.1mmX4.875in./123.8mm	18	General Motors 292 CID (4.8L)	3.875in./98.4mmX4.125in./104.8mm	34
E208 Continental 208 CID (3.4L) Flex	3.687in./93.7mmX4.875in./123.8mm	18	A6-354 Perkins 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	35
E223 Continental 223 CID (3.7L)	3.813in./96.9mmX4.875in./123.8mm	18	AD6.305 Perkins 305 CID (5.0L) Diesel	3.600in./91.4mmX5.000in./127mm	32
E223 Continental 223 CID (3.7L) LPG	3.813in./96.9mmX4.875in./123.8mm	18	AT6-354 Perkins 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	37
E242 Continental 242 CID (4.0L) Flex	3.813in./96.9mmX5.125in./130.2mm	18	Turbocharged		
E400 Continental 208 CID (3.4L)	3.687in./93.7mmX4.875in./123.8mm	18	AT6-354.4 Perkins 354 CID (5.8L) Diesel Turbocharged	3.877in./98.5mmX5.000in./127mm	38
EB223 Continental 223 CID (3.7L)	3.875in./98.4mmX4.875in./123.8mm	18	F226 Continental 226 CID (3.7L) Flex	3.313in./84.1mmX4.375in./111.1mm	28
EB223 Continental 223 CID (3.7L) LPG	3.875in./98.4mmX4.875in./123.8mm	18	F227 Continental 227 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	29
EB242 Continental 242 CID (4.0L)	3.813in./96.9mmX5.125in./130.2mm	18	F6244 Continental 244 CID (4.0L)	3.438in./87.33mmX4.375in./111.1mm	28
EB242 Continental 242 CID (4.0L) LPG	3.813in./96.9mmX5.125in./130.2mm	18	H170/HB170/HC170 Chrysler 170 CID (2.8L)	3.400in./86.4mmX3.125in./79.4mm	26
ED208 Continental 208 CID (3.4L) Diesel	3.687in./93.7mmX4.875in./123.8mm	18	H225 Chrysler 225 CID (3.7L)	3.400in./86.4mmX4.125in./104.8mm	26
F124 Continental 124 CID (2.0L)	3.000in./76.2mmX4.375in./111.1mm	11	HD504A Minneapolis Moline 504 CID (8.3L) Diesel	4.625in./117.5mmX5.000in./127mm	39
F140 Continental 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	11	Ind 7 Chrysler 237 CID (3.9L)	3.438in./87.33mmX4.250in./108mm	30
F162 Continental 162 CID (2.7L)	3.438in./87.33mmX4.375in./111.1mm	11	Ind 8 Chrysler 251 CID (4.1L)	3.438in./87.33mmX4.500in./114.3mm	30
F4124 Continental 124 CID (2.0L)	3.000in./76.2mmX4.375in./111.1mm	11	Ind 30 Chrysler 230 CID (3.8L)	3.250in./82.6mmX4.625in./117.5mm	27
F4140 Continental 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	11	Ind 32 Chrysler 265 CID (4.3L)	3.438in./87.33mmX4.750in./120.7mm	30
FC Waukesha 133 CID (2.2L) Flex	3.250in./82.6mmX4.000in./101.6mm	12	Ind 33 Chrysler 265 CID (4.3L)	3.438in./87.33mmX4.750in./120.7mm	30
G176 Continental 176 CID (2.9L)	3.578in./90.8mmX4.375in./111.1mm	15	JXC Hercules 282 CID (4.6L)	3.750in./95.3mmX4.250in./108mm	31
G193 Continental 193 CID (3.2L)	3.750in./95.3mmX4.375in./111.1mm	17	JXLD Hercules 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	31
GF193 Continental 193 CID (3.2L)	3.750in./95.3mmX4.375in./111.1mm	17	L-Head Dodge 230 CID (3.8L)	3.250in./82.6mmX4.625in./117.5mm	27
H260 Continental 260 CID (4.3L)	3.875in./98.4mmX5.500in./139.7mm	22	M290 Continental 290 CID (4.8L)	3.750in./95.3mmX4.625in./117.5mm	33
H277 Continental 277 CID (4.5L)	4.000in./101.6mmX5.500in./139.7mm	22	M330 Continental 330 CID (5.4L)	4.000in./101.6mmX4.375in./111.1mm	33
HD260 Continental 260 CID (4.3L) Diesel	3.875in./98.4mmX5.500in./139.7mm	23	M6330 Continental 330 CID (5.4L)	4.000in./101.6mmX4.375in./111.1mm	33
HD277 Continental 277 CID (4.5L) Diesel	4.000in./101.6mmX5.500in./139.7mm	23	P6 Perkins 288 CID (4.7L) Diesel	3.504in./89mmX5.000in./127mm	32
N62 Continental 62 CID (1.0L)	2.375in./60.3mmX3.500in./88.9mm	5	8 CYL		
P4 Perkins 192 CID (3.1L) Diesel	3.504in./89mmX5.000in./127mm	16	8V-71 Detroit Diesel 568 CID (9.3L) Diesel	4.250in./108mmX5.000in./127mm	41
VF4 Wisconsin 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	8	3150 Caterpillar 573 CID (9.4L) Diesel	4.500in./114.3mmX4.500in./114.3mm	42
VH4D Wisconsin 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	9	3160 Caterpillar 636 CID (10.4L) Diesel	4.500in./114.3mmX5.000in./127mm	43
Y91 Continental 91 CID (1.5L)	2.875in./73mmX3.500in./88.9mm	6	3208 Caterpillar 636 CID (10.4L) Diesel	4.500in./114.3mmX5.000in./127mm	44
Z120 Continental 120 CID (2.0L)	3.188in./80.98mmX3.750in./95.3mm	10	Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	40
Z129 Continental 129 CID (2.1L)	3.250in./82.6mmX3.875in./98.4mm	10	V903 Cummins 903 CID (14.8L) Diesel	5.500in./139.7mmX4.750in./120.7mm	45
Z134 Continental 134 CID (2.2L)	3.313in./84.1mmX3.875in./98.4mm	13	VT903 Cummins 903 CID (14.8L) Diesel Turbocharged	5.500in./139.7mmX4.750in./120.7mm	45
Z145 Continental 145 CID (2.4L)	3.375in./85.7mmX4.063in./103.2mm	14			
6 CYL					
5/5A/6/6A/30/31 Chrysler 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	27			

MODEL DATA

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
14 Base Model	Combine	282 CID (4.6L) JXC Hercules	31	20 Base Model	Combine	265 CID (4.3L) Ind 32 Chrysler	30
15 Base Model	Combine	133 CID (2.2L) FC Waukesha	12	20 Forage Clipper Base Model	Combine	226 CID (3.7L) F226 Continental	28
15 Base Model	Combine	162 CID (2.7L) F162 Continental	11	21 Standard	Wheel Tractor	124 CID (2.0L) F124 Continental	11
17 Base Model	Combine	133 CID (2.2L) FC Waukesha	12	21 HA	Wheel Tractor	140 CID (2.3L) F140 Continental	11
17 Base Model	Combine	162 CID (2.7L) F162 Continental	11	21 Base Model	Combine	230 CID (3.8L) Ind 30 Chrysler	27
20 K	Wheel Tractor	124 CID (2.0L) F4124 Continental	11	22 RT	Wheel Tractor	124 CID (2.0L) F4124 Continental	11
20 K	Wheel Tractor	140 CID (2.3L) F4140 Continental	11	22 RT	Wheel Tractor	140 CID (2.3L) F4140 Continental	11
20 SP	Combine	237 CID (3.9L) Ind 7 Chrysler	30	23 Base Model	Wheel Tractor	124 CID (2.0L) F4124 Continental	11
20 SP	Combine	251 CID (4.1L) Ind 8 Chrysler	30	23 Base Model	Wheel Tractor	140 CID (2.3L) F4140 Continental	11

MASSEY FERGUSON (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
26 Rice	Wheel Tractor	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler	27	101 JR	Wheel Tractor	162 CID (2.7L) F162 Continental	11
26 SP	Combine	230 CID (3.8L) Ind 30 Chrysler	27	101 SR	Wheel Tractor	226 CID (3.7L) F226 Continental	28
27 Rice	Wheel Tractor	237 CID (3.9L) Ind 7 Chrysler	30	101 SR	Wheel Tractor	230 CID (3.8L) Ind 30 Chrysler	27
27 SP	Combine	251 CID (4.1L) Ind 8 Chrysler	30	102 G	Wheel Tractor	124 CID (2.0L) F124 Continental	11
27 Base Model	Combine	265 CID (4.3L) Ind 33 Chrysler	30	102 G	Wheel Tractor	140 CID (2.3L) F140 Continental	11
30 Standard	Wheel Tractor	162 CID (2.7L) F162 Continental	11	102 JR	Wheel Tractor	162 CID (2.7L) F162 Continental	11
30 SH	Combine	282 CID (4.6L) JXC Hercules	31	102 S	Wheel Tractor	230 CID (3.8L) L-Head Dodge	27
33 RT	Wheel Tractor	140 CID (2.3L) F140 Continental	11	102 SR	Wheel Tractor	244 CID (4.0L) F6244 Continental	28
33 Base Model	Wheel Tractor	208 CID (3.4L) E400 Continental	18	135 Base Model	Combine	152 CID (2.5L) AD3-152 Perkins Diesel	3
35 SP	Combine	140 CID (2.3L) F140 Continental	11	201 Base Model	Wheel Tractor	225 CID (3.7L) H225 Chrysler	26
35 X	Combine	152 CID (2.5L) A3-152 Perkins Diesel	3	202 Base Model	Wheel Tractor	290 CID (4.8L) M290 Continental	33
38 SH	Combine	282 CID (4.6L) JXC Hercules	31	203 MK.2	Combine	152 CID (2.5L) AD3-152 Perkins Diesel	3
44 -6	Wheel Tractor	226 CID (3.7L) F226 Continental	28	203 G	Wheel Tractor	330 CID (5.4L) M6330 Continental	33
44 -4	Wheel Tractor	260 CID (4.3L) HD260 Continental Diesel	23	300 Base Model	Combine	203 CID (3.3L) AD4-203 Perkins Diesel	16
44 -4	Wheel Tractor	277 CID (4.5L) H277 Continental	22	300 Rice	Combine	225 CID (3.7L) H225 Chrysler	26
50 Clipper	Combine	108 CID (1.8L) VF4 Wisconsin	8	303 Series	Wheel Tractor	208 CID (3.4L) E208 Continental	18
50 Series	Wheel Tractor	134 CID (2.2L) Z134 Continental	13	333 Row Crop	Wheel Tractor	208 CID (3.4L) ED208 Continental Diesel	18
60 PT	Combine	108 CID (1.8L) VF4 Wisconsin	8	402 Base Model	Wheel Tractor	208 CID (3.4L) E208 Continental	18
60 Series	Combine	140 CID (2.3L) F140 Continental	11	404 Series	Wheel Tractor	277 CID (4.5L) HD277 Continental Diesel	23
60 SP	Combine	230 CID (3.8L) Ind 30 Chrysler	27	406 Series	Wheel Tractor	208 CID (3.4L) E208 Continental	18
70 SP	Combine	230 CID (3.8L) Ind 30 Chrysler	27	410 SP Rice	Combine	292 CID (4.8L) General Motors	34
80 Rice	Combine	230 CID (3.8L) Ind 30 Chrysler	27	444 Row Crop	Wheel Tractor	260 CID (4.3L) HD260 Continental Diesel	23
81 Base Model	Wheel Tractor	124 CID (2.0L) F4124 Continental	11	444 K	Wheel Tractor	277 CID (4.5L) H277 Continental	22
81 Base Model	Wheel Tractor	140 CID (2.3L) F4140 Continental	11	510 Series	Wheel Tractor	327 CID (5.4L) Chevrolet 318 CID/5215CC (5.2L)	40
82 S	Wheel Tractor	124 CID (2.0L) F4124 Continental	11	540 Base Model	Wheel Tractor	A4.318 Perkins Diesel 354 CID (5.8L) A6-354	25
82 S	Wheel Tractor	140 CID (2.3L) F4140 Continental	11	550 Rice	Combine	Perkins Diesel	35
82 Rice	Combine	230 CID (3.8L) Ind 30 Chrysler	27	655 Base Model	Windrower	225 CID (3.7L) H225 Chrysler	26
90 SP	Combine	203 CID (3.3L) 4-203 Perkins Diesel	16	711 B	Wheel Tractor	108 CID (1.8L) VH4D Wisconsin	9
90 SP Rice	Combine	251 CID (4.1L) Ind 8 Chrysler	30	760 Base Model	Combine	354 CID (5.8L) AT6-354 Perkins Diesel	37
90WR2 Base Model	Wheel Tractor	242 CID (4.0L) E242 Continental	18	765 Series	Wheel Tractor	192 CID (3.1L) 4-192 Perkins Diesel	16
92 SP Rice	Combine	251 CID (4.1L) Ind 8 Chrysler	30	1001 Series	Wheel Tractor	208 CID (3.4L) E208 Continental	18
92 Super Rice	Combine	265 CID (4.3L) Ind 33 Chrysler	30	3545 Base Model	Agriculture	354 CID (5.8L) AT6-354.4 Perkins Diesel	38
96 Series	Wheel Tractor	504 CID (8.3L) HD504A Minneapolis Moline Diesel	39	Base Model	Engine	330 CID (5.4L) M330 Continental	33
101 JR	Wheel Tractor	124 CID (2.0L) F4124 Continental	11	Base Model	Agriculture	192 CID (3.1L) P4 Perkins Diesel	16
101 JR	Wheel Tractor	140 CID (2.3L) F4140 Continental	11	Base Model	Agriculture	201 CID (3.3L) E201 Continental	18

MASSEY FERGUSON (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
Base Model	Agriculture	227 CID (3.7L) F227 Continental	29	MF72 SP	Combine	230 CID (3.8L) Ind 30 Chrysler	27
Base Model	Agriculture	305 CID (5.0L) AD6.305 Perkins Diesel	32	MF80 Base Model	Wheel Tractor	354 CID (5.8L) A6-354 Perkins Diesel	35
Base Model	Engine	135 CID (2.2L) 3-135 Perkins Diesel	2	MF85 Base Model	Wheel Tractor	223 CID (3.7L) EB223 Continental	18
Base Model	Engine	354 CID (5.8L) 6-354.4 Perkins Diesel	36	MF85 Base Model	Wheel Tractor	242 CID (4.0L) EB242 Continental	18
Clipper Base Model	Combine	162 CID (2.7L) F162 Continental	11	MF85 Base Model	Wheel Tractor	277 CID (4.5L) HD277 Continental Diesel	23
Clipper No.2	Combine	226 CID (3.7L) F226 Continental	28	MF88 Base Model	Wheel Tractor	223 CID (3.7L) EB223 Continental	18
Colt Row Crop	Wheel Tractor	124 CID (2.0L) F124 Continental	11	MF88 Base Model	Wheel Tractor	242 CID (4.0L) EB242 Continental	18
F12 Base Model	Baler	54 CID (0.9L) THD Wisconsin	1	MF88 Base Model	Wheel Tractor	277 CID (4.5L) HD277 Continental Diesel	23
F40 Ferguson Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	13	MF88 Base Model	Loader	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	41
HA33 Base Model	Wheel Tractor	124 CID (2.0L) F124 Continental	11	MF92 D	Wheel Tractor	305 CID (5.0L) AD6.305 Perkins Diesel	32
HA33 Base Model	Wheel Tractor	140 CID (2.3L) F140 Continental	11	MF95 Base Model	Wheel Tractor	504 CID (8.3L) HD504A Minneapolis Moline Diesel	39
MF11 Base Model	Loader	248 CID (4.1L) 4-248 Perkins Diesel	21	MF97 Base Model	Wheel Tractor	504 CID (8.3L) 504 Minneapolis Moline	39
MF20 C	Wheel Tractor	145 CID (2.4L) Z145 Continental	14	MF98 Base Model	Wheel Tractor	213 CID (3.5L) 3-71 Detroit Diesel Diesel	4
MF20 C	Wheel Tractor	152 CID (2.5L) D3-152 Perkins Diesel	3	MF130 D	Wheel Tractor	107 CID (1.8L) A4-107 Perkins Diesel	7
MF25 D	Wheel Tractor	107 CID (1.8L) A4-107 Perkins Diesel	7	MF135 Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	13
MF30 B	Wheel Tractor	145 CID (2.4L) Z145 Continental	14	MF135 Base Model	Wheel Tractor	145 CID (2.4L) Z145 Continental	14
MF30 B	Wheel Tractor	152 CID (2.5L) AD3-152 Perkins Diesel	3	MF135 G	Wheel Tractor	152 CID (2.5L) AG3-152 Perkins	3
MF30 Turf	Wheel Tractor	203 CID (3.3L) AD4-203 Perkins Diesel	16	MF135 Base Model	Wheel Tractor	176 CID (2.9L) G176 Continental	15
MF31 Ind.	Wheel Tractor	236 CID (3.9L) A4-236 Perkins Diesel	20	MF150 Base Model	Wheel Tractor	145 CID (2.4L) Z145 Continental	14
MF33 Base Model	Loader	248 CID (4.1L) 4-248 Perkins Diesel	21	MF150 Base Model	Wheel Tractor	152 CID (2.5L) AG3-152 Perkins	3
MF34 Base Model	Windrower	140 CID (2.3L) F140 Continental	11	MF150 Base Model	Wheel Tractor	176 CID (2.9L) G176 Continental	15
MF35 Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	13	MF165 G	Wheel Tractor	176 CID (2.9L) G176 Continental	15
MF35 Base Model	Wheel Tractor	152 CID (2.5L) A3-152 Perkins Diesel	3	MF165 Base Model	Wheel Tractor	203 CID (3.3L) AD4-203 Perkins Diesel	16
MF40 Ind.	Wheel Tractor	152 CID (2.5L) AG3-152 Perkins	3	MF165 Base Model	Wheel Tractor	212 CID (3.5L) AG4-212 Perkins Diesel	19
MF40 B	Wheel Tractor	203 CID (3.3L) AD4-203 Perkins Diesel	16	MF175 D	Wheel Tractor	236 CID (3.9L) A4-236 Perkins Diesel	20
MF44 Base Model	Windrower	140 CID (2.3L) F140 Continental	11	MF178 Base Model	Wheel Tractor	248 CID (4.1L) 4-248 Perkins Diesel	21
MF50 Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	13	MF180 -4	Wheel Tractor	236 CID (3.9L) A4-236 Perkins Diesel	20
MF50 Base Model	Wheel Tractor	152 CID (2.5L) A3-152 Perkins Diesel	3	MF200 Base Model	Loader	152 CID (2.5L) 3-152 Perkins Diesel	3
MF50 Base Model	Wheel Tractor	193 CID (3.2L) G193 Continental	17	MF202 Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	13
MF50 A	Wheel Tractor	203 CID (3.3L) AD4-203 Perkins Diesel	16	MF203 Base Model	Wheel Tractor	144 CID (2.4L) P3-144 Perkins Diesel	3
MF50 C	Wheel Tractor	236 CID (3.9L) 4-236 Perkins Diesel	20	MF203 D	Wheel Tractor	152 CID (2.5L) AD3-152 Perkins Diesel	3
MF50 Base Model	Wheel Tractor	288 CID (4.7L) P6 Perkins Diesel	32	MF204 Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	13
MF65 Base Model	Wheel Tractor	176 CID (2.9L) G176 Continental	15	MF205 MK.2	Combine	152 CID (2.5L) AD3-152 Perkins Diesel	3
MF65 Base Model	Wheel Tractor	203 CID (3.3L) A4-203 Perkins Diesel	16	MF205 Base Model	Combine	170 CID (2.8L) H170/HB170/HC170 Chrysler	26
MF70 D	Wheel Tractor	318 CID/5215CC (5.2L) A4.318 Perkins Diesel	25				

MASSEY FERGUSON (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
MF220 Base Model	Skidder	248 CID (4.1L) 4-248 Perkins Diesel	21	MF1100 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354 Perkins Diesel	37
MF230 G	Wheel Tractor	145 CID (2.4L) Z145 Continental	14	MF1105 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354 Perkins Diesel	37
MF230 D	Wheel Tractor	152 CID (2.5L) AD3-152 Perkins Diesel	3	MF1130 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354 Perkins Diesel	37
MF235 G	Wheel Tractor	145 CID (2.4L) Z145 Continental	14	MF1135 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354 Perkins Diesel	37
MF235 Orchard	Wheel Tractor	152 CID (2.5L) AG3-152 Perkins	3	MF1350 Base Model	Wheel Tractor	152 CID (2.5L) A3-152 Perkins Diesel	3
MF245 G	Wheel Tractor	145 CID (2.4L) Z145 Continental	14	MF1500 Base Model	Wheel Tractor	573 CID (9.4L) 3150 Caterpillar Diesel	42
MF245 Orchard	Wheel Tractor	152 CID (2.5L) AD3-152 Perkins Diesel	3	MF1505 Base Model	Wheel Tractor	636 CID (10.4L) 3208 Caterpillar Diesel	44
MF255 Base Model	Wheel Tractor	203 CID (3.3L) 4-203 Perkins Diesel	16	MF1800D Base Model	Wheel Tractor	636 CID (10.4L) 3160 Caterpillar Diesel	43
MF255 Low Profile	Wheel Tractor	236 CID (3.9L) A4-236 Perkins Diesel	20	MF1805 Base Model	Wheel Tractor	636 CID (10.4L) 3208 Caterpillar Diesel	44
MF265 Low Profile	Wheel Tractor	236 CID (3.9L) A4-236 Perkins Diesel	20	MF2135 Turf Special	Wheel Tractor	134 CID (2.2L) Z134 Continental	13
MF275 Low Profile	Wheel Tractor	248 CID (4.1L) A4-248 Perkins Diesel	21	MF2135 Turf Special	Wheel Tractor	152 CID (2.5L) AD3-152 Perkins Diesel	3
MF285D Base Model	Wheel Tractor	318 CID/5215CC (5.2L) 4.318 Perkins Diesel	25	MF2200 Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	13
MF300 Rice	Combine	203 CID (3.3L) AD4-203 Perkins Diesel	16	MF2200 Base Model	Wheel Tractor	152 CID (2.5L) 3-152 Perkins Diesel	3
MF300 Rice	Wheel Tractor	225 CID (3.7L) H225 Chrysler	26	MF2244 Base Model	Crawler	152 CID (2.5L) 3-152 Perkins Diesel	3
MF300 Base Model	Crawler	248 CID (4.1L) A4-248 Perkins Diesel	21	MF2500 Base Model	Fork Lift	145 CID (2.4L) Z145 Continental	14
MF302 Base Model	Wheel Tractor	193 CID (3.2L) GF193 Continental	17	MF2500 Base Model	Fork Lift	152 CID (2.5L) 3-152 Perkins Diesel	3
MF302 Base Model	Wheel Tractor	203 CID (3.3L) AD4-203 Perkins Diesel	16	MF2675 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354.4 Perkins Diesel	38
MF304 Base Model	Wheel Tractor	193 CID (3.2L) GF193 Continental	17	MF2705 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354.4 Perkins Diesel	38
MF304 Base Model	Wheel Tractor	203 CID (3.3L) AD4-203 Perkins Diesel	16	MF3090 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354.4 Perkins Diesel	38
MF305 Base Model	Wheel Tractor	193 CID (3.2L) G193 Continental	17	MF3165 Turf Special	Wheel Tractor	176 CID (2.9L) G176 Continental	15
MF305 Base Model	Wheel Tractor	203 CID (3.3L) A4-203 Perkins Diesel	16	MF3165 Turf Special	Wheel Tractor	203 CID (3.3L) AD4-203 Perkins Diesel	16
MF356 Base Model	Loader	193 CID (3.2L) GF193 Continental	17	MF3505 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354.4 Perkins Diesel	38
MF356 Base Model	Loader	203 CID (3.3L) 4-203 Perkins Diesel	16	MF3525 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354.4 Perkins Diesel	38
MF399 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354.4 Perkins Diesel	38	MF3630 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354.4 Perkins Diesel	38
MF410 Rice	Combine	292 CID (4.8L) General Motors	34	MF3650 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354.4 Perkins Diesel	38
MF470 Base Model	Loader	226 CID (3.7L) F226 Continental	28	MF4800 Base Model	Wheel Tractor	903 CID (14.8L) V903 Cummins Diesel	45
MF510 Rice	Combine	327 CID (5.4L) Chevrolet	40	MF4840 Base Model	Wheel Tractor	903 CID (14.8L) VT903 Cummins Diesel	45
MF510 Rice	Combine	354 CID (5.8L) A6-354 Perkins Diesel	35	MF4880 Base Model	Wheel Tractor	903 CID (14.8L) VT903 Cummins Diesel	45
MF550 Rice	Combine	354 CID (5.8L) A6-354 Perkins Diesel	35	MF Super Base Model	Wheel Tractor	305 CID (5.0L) 6.305 Perkins Diesel	32
MF699 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354.4 Perkins Diesel	38	MF Super 90 Base Model	Wheel Tractor	242 CID (4.0L) EB242 Continental	18
MF711 Base Model	Loader	108 CID (1.8L) VH4D Wisconsin	9	MF Super 90 Base Model	Wheel Tractor	301 CID (4.9L) 4-300 Perkins Diesel	24
MF750 Base Model	Combine	354 CID (5.8L) AT6-354.4 Perkins Diesel	38	MH50 Hi-Clear	Wheel Tractor	134 CID (2.2L) Z134 Continental	13
MF760 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	35	MH202 Base Model	Wheel Tractor	290 CID (4.8L) M290 Continental	33
MF775 Base Model	Windrower	225 CID (3.7L) H225 Chrysler	26	MHF50 Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	13
MF1080 D	Wheel Tractor	318 CID/5215CC (5.2L) A4.318 Perkins Diesel	25	Mustang Row Crop	Wheel Tractor	140 CID (2.3L) F140 Continental	11
MF1085 D	Wheel Tractor	318 CID/5215CC (5.2L) A4.318 Perkins Diesel	25				

MASSEY FERGUSON (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
PA4-Pacer Series 16	Wheel Tractor	91 CID (1.5L) Y91 Continental	6	TO30 Base Model	Wheel Tractor	129 CID (2.1L) Z129 Continental	10
Pony Series II	Wheel Tractor	62 CID (1.0L) N62 Continental	5	TO30 Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	13
SPH88 Base Model	Combine	339 CID (5.6L) JXLD Hercules	31	TO35 Base Model	Wheel Tractor	120 CID (2.0L) Z120 Continental	10
T40 Ferguson Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	13	TO35 Base Model	Wheel Tractor	129 CID (2.1L) Z129 Continental	10
TE20 Ferguson Base Model	Wheel Tractor	120 CID (2.0L) Z120 Continental	10	TO35 Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	13
TE20 Ferguson Base Model	Wheel Tractor	129 CID (2.1L) Z129 Continental	10	TO40 Base Model	Wheel Tractor	120 CID (2.0L) Z120 Continental	10
TO20 Base Model	Wheel Tractor	120 CID (2.0L) Z120 Continental	10	TO40 Base Model	Wheel Tractor	129 CID (2.1L) Z129 Continental	10
TO20 Base Model	Wheel Tractor	129 CID (2.1L) Z129 Continental	10	TO40 Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	13
TO30 Base Model	Wheel Tractor	120 CID (2.0L) Z120 Continental	10				

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
10A-5090	5.000in./127mm	39	665679	4.750in./120.7mm	30	1554530	4.625in./117.5mm	27	31337180JGSB	5.000in./127mm	35
9300	4.375in./111.1mm	27	665679	4.250in./108mm	30	1554530	4.375in./111.1mm	27	31337220	5.000in./127mm	3
9410	4.625in./117.5mm	27	665679	4.500in./114.3mm	30	1947167	3.125in./79.4mm	26	31337220	5.000in./127mm	16
9410	4.375in./111.1mm	27	666743	4.625in./117.5mm	27	1947167	4.125in./104.8mm	26	31337220	5.000in./127mm	2
9414	4.625in./117.5mm	27	666746	4.750in./120.7mm	30	1947952	3.125in./79.4mm	26	31337240	3.465in./88mm	7
15134N	3.125in./79.4mm	26	666746	4.250in./108mm	30	1947952	4.125in./104.8mm	26	31337310	5.000in./127mm	36
15134N	4.125in./104.8mm	26	666746	4.500in./114.3mm	30	2205554	3.125in./79.4mm	26	31337310	5.000in./127mm	20
15140	3.125in./79.4mm	26	731057	4.375in./111.1mm	29	2205554	4.125in./104.8mm	26	31337310	5.000in./127mm	21
15140	4.125in./104.8mm	26	868896	4.625in./117.5mm	27	2951260	3.125in./79.4mm	26	31337310	5.000in./127mm	35
33738	4.000in./101.6mm	12	868896	4.375in./111.1mm	27	2951260	4.125in./104.8mm	26	BD-25A	4.000in./101.6mm	12
40090C	4.250in./108mm	31	952118	4.625in./117.5mm	27	3185281	3.250in./82.6mm	40	BD-25C	4.000in./101.6mm	12
40090C	4.500in./114.3mm	31	952118	4.375in./111.1mm	27	3703526	3.250in./82.6mm	40	DA-51-A	3.250in./82.6mm	1
40390C	4.250in./108mm	31	954371	4.625in./117.5mm	27	3703527	3.250in./82.6mm	40	DA-51-B	3.250in./82.6mm	1
40390C	4.500in./114.3mm	31	954371	4.375in./111.1mm	27	3751142N	4.125in./104.8mm	26	F218D-3020	4.375in./111.1mm	11
43102C	4.250in./108mm	31	954408	4.625in./117.5mm	27	3784000	3.250in./82.6mm	40	F400D-500	4.375in./111.1mm	11
43102C	4.500in./114.3mm	31	954408	4.375in./111.1mm	27	3815281	3.250in./82.6mm	40	F400D-502	4.375in./111.1mm	11
44119C	4.500in./114.3mm	31	954418	4.750in./120.7mm	30	5135051	5.000in./127mm	41	F600D-310	4.375in./111.1mm	28
52813	5.000in./127mm	3	954418	4.250in./108mm	30	5144384	5.000in./127mm	41	F600D-402	4.375in./111.1mm	28
52813	5.000in./127mm	16	954418	4.500in./114.3mm	30	5144469	5.000in./127mm	4	F600D-405	4.375in./111.1mm	28
52813	5.000in./127mm	2	954428	4.750in./120.7mm	30	5150093	5.000in./127mm	4	G181-501M	4.375in./111.1mm	17
59554	5.000in./127mm	36	954428	4.500in./114.3mm	30	5154265	5.000in./127mm	4	N56D-400	3.500in./88.9mm	5
59554	5.000in./127mm	20	954448	4.250in./108mm	30	31337140	5.000in./127mm	3	N62D-400	3.500in./88.9mm	5
59554	5.000in./127mm	21	1400244	4.750in./120.7mm	30	31337140	5.000in./127mm	16	N560-400-0	3.500in./88.9mm	5
59554	5.000in./127mm	35	1400244	4.250in./108mm	30	31337140	5.000in./127mm	2	Y400D-400	3.500in./88.9mm	6
68007	4.000in./101.6mm	12	1400244	4.500in./114.3mm	30	31337180JGSB	5.000in./127mm	36	Z120D-500	3.750in./95.3mm	10
617925	4.625in./117.5mm	27	1554471	4.625in./117.5mm	27	31337180JGSB	5.000in./127mm	20	Z120D-500	3.875in./98.4mm	13
617925	4.375in./111.1mm	27	1554471	4.375in./111.1mm	27	31337180JGSB	5.000in./127mm	21			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3-71	5.000in./127mm	4	40991E	4.250in./108mm	31	45859E	4.250in./108mm	31	732596	4.375in./111.1mm	29
9N-8013	4.500in./114.3mm	42	42947E	4.500in./114.3mm	31	45868G	4.250in./108mm	31	733536	4.375in./111.1mm	29
162C-500	3.500in./88.9mm	5	42974E	4.500in./114.3mm	31	46024E	4.250in./108mm	31	733863	4.375in./111.1mm	29
400C-209	4.375in./111.1mm	11	42979E	4.250in./108mm	31	50024E	4.250in./108mm	31	734452	4.375in./111.1mm	29
400C-500	4.375in./111.1mm	11	43526D	4.500in./114.3mm	31	140025D	4.250in./108mm	31	734542	4.375in./111.1mm	29
1130	3.250in./82.6mm	40	43526E	4.250in./108mm	31	140025D	4.500in./114.3mm	31	762706	4.500in./114.3mm	30
1178	3.250in./82.6mm	40	43528B	4.500in./114.3mm	31	140026D	4.250in./108mm	31	856080	4.375in./111.1mm	27
1182	3.250in./82.6mm	40	43528E	4.500in./114.3mm	31	155025E	4.250in./108mm	31	863706	4.500in./114.3mm	30
2680	3.250in./82.6mm	40	43531E	4.250in./108mm	31	209229	4.375in./111.1mm	29	864718	4.250in./108mm	30
3279	3.250in./82.6mm	40	43532	4.250in./108mm	31	220426C	4.500in./114.3mm	31	864718	4.500in./114.3mm	30
4577	3.250in./82.6mm	40	44025E	4.250in./108mm	31	391101A	3.250in./82.6mm	40	864718	4.625in./117.5mm	27
4672	3.250in./82.6mm	40	45853D	4.250in./108mm	31	511706	5.000in./127mm	41	864719	4.375in./111.1mm	27
24504	4.000in./101.6mm	12	45853E	4.250in./108mm	31	620035	4.375in./111.1mm	27	868929	4.625in./117.5mm	27
40091E	4.250in./108mm	31	45855E	4.250in./108mm	31	665792	4.250in./108mm	30	870715	4.250in./108mm	30
40094D	4.250in./108mm	31	45857E	4.250in./108mm	31	665792	4.500in./114.3mm	30	870715	4.500in./114.3mm	30
40094E	4.250in./108mm	31	45859B	4.250in./108mm	31	666739	4.500in./114.3mm	30	870744	4.500in./114.3mm	30
40950E	4.250in./108mm	31	45859D	4.250in./108mm	31	673498	4.500in./114.3mm	30	928928	4.375in./111.1mm	29

MASSEY FERGUSON (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
952068	4.375in./111.1mm	27	3914681	3.250in./82.6mm	40	CA-55	3.250in./82.6mm	8	HD260C-204	5.500in./139.7mm	23
1185539	4.625in./117.5mm	27	3914682	3.250in./82.6mm	40	F140C-303	4.375in./111.1mm	11	HD260C-424	5.500in./139.7mm	23
1316540	4.375in./111.1mm	27	3930809	3.250in./82.6mm	40	F162C-319	4.375in./111.1mm	11	K600C-303	4.625in./117.5mm	33
1400188	4.750in./120.7mm	30	3941172	3.250in./82.6mm	40	F400C-209	4.375in./111.1mm	11	K600C-303	4.375in./111.1mm	33
1400718	4.750in./120.7mm	30	3941174	3.250in./82.6mm	40	F400C-222	4.375in./111.1mm	11	K-24504	4.000in./101.6mm	12
1557708	4.625in./117.5mm	27	4095246	4.125in./104.8mm	26	F400C-228	4.375in./111.1mm	11	M600C-203	4.625in./117.5mm	33
1739589	4.625in./117.5mm	27	5103281	5.000in./127mm	41	F400C-314	4.375in./111.1mm	11	M600C-203	4.375in./111.1mm	33
2121654	3.125in./79.4mm	26	5144867	5.000in./127mm	41	F400C-321	4.375in./111.1mm	11	M600C-302	4.625in./117.5mm	33
2128492	4.125in./104.8mm	26	5154926	5.000in./127mm	4	F400C-324	4.375in./111.1mm	11	M600C-302	4.375in./111.1mm	33
2205554	4.125in./104.8mm	26	5154929	5.000in./127mm	4	F400C-359	4.375in./111.1mm	11	M600C-303	4.625in./117.5mm	33
2258613	4.125in./104.8mm	26	5184214	5.000in./127mm	4	F400C-368	4.375in./111.1mm	11	M600C-303	4.375in./111.1mm	33
2263611	3.125in./79.4mm	26	5773990	5.000in./127mm	4	F400C-500	4.375in./111.1mm	11	M600C-501	4.625in./117.5mm	33
2264478	3.125in./79.4mm	26	5782680	3.250in./82.6mm	40	F400C-501	4.375in./111.1mm	11	M600C-501	4.375in./111.1mm	33
2264478	4.125in./104.8mm	26	7325596	4.375in./111.1mm	29	F400C-503	4.375in./111.1mm	11	M600C-503	4.625in./117.5mm	33
2264479	4.125in./104.8mm	26	7501366	4.125in./104.8mm	26	F600C-217	4.375in./111.1mm	28	M600C-503	4.375in./111.1mm	33
2268613	4.125in./104.8mm	26	31315127	5.000in./127mm	16	F600C-243	4.375in./111.1mm	29	N62C-500	3.500in./88.9mm	5
2543935	4.125in./104.8mm	26	31315841	5.000in./127mm	25	F600C-344	4.375in./111.1mm	28	Y400C-225	3.500in./88.9mm	6
2658998	4.125in./104.8mm	26	31315843	5.000in./127mm	25	F600C-368	4.375in./111.1mm	28	Y400C-334	3.500in./88.9mm	6
2843935	4.125in./104.8mm	26	31315881	5.000in./127mm	20	F600C-500A	4.375in./111.1mm	28	Y400C-335	3.500in./88.9mm	6
2843939	3.125in./79.4mm	26	31315881	5.000in./127mm	21	F600C-502	4.375in./111.1mm	28	Y400C-338	3.500in./88.9mm	6
2843963	4.125in./104.8mm	26	31315952	5.000in./127mm	25	F600C-502A	4.375in./111.1mm	28	Y400C-508	3.500in./88.9mm	6
3132302	5.000in./127mm	36	31315971	5.000in./127mm	25	F600C-504	4.375in./111.1mm	28	Y400C-511D	3.500in./88.9mm	6
3132302	5.000in./127mm	35	31316323	5.000in./127mm	25	F600C-506A	4.375in./111.1mm	28	Z120-500	3.750in./95.3mm	10
3698966	4.125in./104.8mm	26	31316324	5.000in./127mm	25	F600C-536	4.375in./111.1mm	28	Z120C-500	3.750in./95.3mm	10
3769307	4.125in./104.8mm	26	31316325	5.000in./127mm	25	F600C-601	4.375in./111.1mm	28	Z129C-205	3.875in./98.4mm	10
3782680	3.250in./82.6mm	40	31322302	5.000in./127mm	36	F600C-606A	4.375in./111.1mm	28	Z129C-205	3.875in./98.4mm	13
3782690	3.250in./82.6mm	40	31322302	5.000in./127mm	35	F600C-606C	4.375in./111.1mm	28	Z129C-500	3.875in./98.4mm	10
3815822	3.250in./82.6mm	40	BB-14K	4.000in./101.6mm	12	G176C-300	4.375in./111.1mm	15	Z134C-500	3.875in./98.4mm	13
3911000	3.250in./82.6mm	40	BD-14-A	4.000in./101.6mm	12	G193C-202	4.375in./111.1mm	17			
3911001	3.250in./82.6mm	40	BD-14-K	4.000in./101.6mm	12	H260C-602	5.500in./139.7mm	22			
3911011	3.250in./82.6mm	40	C-5145	4.250in./108mm	31	H260C-603	5.500in./139.7mm	22			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

2 CYL

1	54 CID (0.9L) TFD,THD Wisconsin 2 Cyl				3.250in./82.6mm x 3.250in./82.6mm				1
Rod Bearing(2)	B-2	CB-983M	STD,10	1.7500/1.7510	0.0014/0.0035	0.0613	1.8745/1.8750	0.8640	
Piston Pin Bushing(2)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100	
NOTE: Requires Light Reaming									
Rod Forging	DA-51-A, DA-51-B								
Connecting Rod	24 Lbs.Ft.								
Main Bearing	30 Lbs.Ft.								

3 CYL

2	135 CID (2.2L) 3-135 Perkins Diesel 3 Cyl				3.600in./91.4mm x 5.000in./127mm				2
Rod Bearing(3)	AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900	
Main Bearing Set	AL-3	MS-772AL	STD,10,20,30						
1		MB-2186AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.3050	
2-3		MB-2187AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.0000	
4		MB-2302AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.6050	
Thrust Washer Set		TW-119S	STD						
		MB-2188W(L)		3.0450/3.0550			3.5520/3.5620	0.1230	
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230	
NOTE: From Engine Serial Number 1400250,Thru Eng Serial Number 1412719, Contains 4 Pieces, Position Number 4									
Thrust Washer Set		TW-128S	STD						
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230	
NOTE: Thru Engine Serial Number 1400250, Contains 2 Pieces, Position Number 4									
Piston Pin Bushing(3)	C-1	223-3594	STD			0.8500	1.3757/1.3762	1.0630	
NOTE: Requires Boring									
Rod Forging	52813, 31337140, 31337220								

MASSEY FERGUSON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL (Cont.)								
2 (Cont.)	135 CID (2.2L) 3-135 Perkins Diesel 3 Cyl			3.600in./91.4mm x 5.000in./127mm				2 (Cont.)
Connecting Rod 70 To 80 Lbs.Ft. Main Bearing 110 To 120 Lbs.Ft.								
3	144 CID (2.4L) P3-144 Perkins Diesel 3 Cyl 152 CID (2.5L) 3-152,A3-152,AD3-152,D3-152 Perkins Diesel 3 Cyl 152 CID (2.5L) AG3-152 Perkins 3 Cyl			3.504in./89mm x 5.000in./127mm 3.600in./91.4mm x 5.000in./127mm 3.600in./91.4mm x 5.000in./127mm				3
Rod Bearing(3)	AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900
Main Bearing Set 1 2-3 4	AL-3	MS-772AL MB-2186AL MB-2187AL MB-2302AL	STD,10,20,30	2.7485/2.7490 2.7485/2.7490 2.7485/2.7490	0.0018/0.0043 0.0018/0.0043 0.0018/0.0043	0.0830 0.0830 0.0830	2.9165/2.9170 2.9165/2.9170 2.9165/2.9170	1.3050 1.0000 1.6050
Thrust Washer Set		TW-119S MB-2188W(L) MB-2188W(U)	STD	3.0450/3.0550 3.0450/3.0550			3.5520/3.5620 3.5520/3.5620	0.1230 0.1230
NOTE: From Engine Serial Number 1400250,Thru Eng Serial Number 1412719, Contains 4 Pieces, Position Number 4								
Thrust Washer Set		TW-128S MB-2188W(U)	STD	3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: Thru Engine Serial Number 1400250, Contains 2 Pieces, Position Number 4								
Thrust Washer Set		TW-130S MB-2292W(L) MB-2292W(U)	STD	3.0450/3.0550 3.0450/3.0550			3.5520/3.5620 3.5520/3.5620	0.1230 0.1230
NOTE: From Eng Serial Number 1412720, Contains 4 Pieces, Position Number 4								
Piston Pin Bushing(3)	C-1	223-3594	STD			0.8500	1.3757/1.3762	1.0630
NOTE: Requires Boring								
Rod Forging 52813, 31337140, 31337220								
Connecting Rod 70 To 80 Lbs.Ft. Main Bearing 110 To 120 Lbs.Ft.								
4	213 CID (3.5L) 3-71 Detroit Diesel Supercharged Diesel 3 Cyl			4.250in./108mm x 5.000in./127mm				4
Rod Bearing(3)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800
Main Bearing(4)	TM-112	MB-1276P	STD,10,20,30,40	3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930
Thrust Washer Set		TW-411S MB-2524W	STD,+5	3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MB-1276P (4)								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: From Engine Serial Number 3A-27384, Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(2)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(2)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: From Engine Serial Number 3A-27384, Contains 4 Pieces								
Piston Pin Bushing(6)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(3)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston, 1 Per Rod								
Rod Forging 5144469, 5150093, 5154265 C/S Forging 3-71, 5154926, 5154929, 5184214, 5773990								
Connecting Rod 60 To 70 Lbs.Ft. Main Bearing 120 To 140 Lbs.Ft. (Nuts) Main Bearing 180 To 190 Lbs.Ft. (Bolts)								

MASSEY FERGUSON (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
5	62 CID (1.0L) N62 Continental 4 Cyl			2.375in./60.3mm x 3.500in./88.9mm				5
Rod Bearing(4)	TM-77	CB-345P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	0.7600
NOTE: Thru Engine Serial Number 42049								
Rod Bearing(4)	TM-77	CB-524P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	0.7550
NOTE: From Engine Serial Number 42049								
Main Bearing Set	TM-77	MS-256C-10						
1		MB-1309W		2.0156			2.8705	0.0960
1-2		MB-1309C		1.9990/2.0000	0.0008/0.0035	0.0849	2.1703/2.1710	1.2230
NOTE: Contains 2 Piece Thrust Washer Set, Use In Position Number 1								
Piston Pin Bushing(4)	B	223-3505	STD			0.0365	0.6019/0.6039	0.8230
NOTE: Requires Boring								
Rod Forging	N56D-400, N62D-400, N560-400-0							
C/S Forging	162C-500, N62C-500							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
6	91 CID (1.5L) Y91 Continental 4 Cyl			2.875in./73mm x 3.500in./88.9mm				6
Rod Bearing(2)	TM-112	CB-278P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050
NOTE: Positions 1 And 3								
Rod Bearing(2)	TM-112	CB-279P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050
NOTE: Positions 2 And 4								
Main Bearing Set	TM-77	MS-806P	STD,10,30					
1		MB-2366P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.2230
2		MB-1651P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470
3		MB-1652P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains Straight Shell Bearings, Use With Part Number TW-143S								
Main Bearing Set	TM-77	MS-1627P	STD,10,30					
1		MB-2982P(F)		1.7475/1.7485	0.0005/0.0023	0.0623	1.8740/1.8747	1.3930
2		MB-1651P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470
3		MB-1652P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470
NOTE: Contains Half Flanged Bearing								
Thrust Washer Set		TW-143S	STD					
		MB-1653W		1.7812			2.6250	0.0950
NOTE: Contains 2 Pieces, Position Number 1, Use With Part Number MS-806P								
Cam Bearing Set	AL-3	SH-191S	STD					
1		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3503	STD			0.0320	0.7622/0.7632	1.0630
NOTE: Requires Light Reaming								
Rod Forging	Y400D-400							
C/S Forging	Y400C-225, Y400C-334, Y400C-335, Y400C-338, Y400C-508, Y400C-511D							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
7	107 CID (1.8L) A4-107 Perkins Diesel 4 Cyl			3.125in./79.4mm x 3.465in./88mm				7
Rod Bearing(4)	AL-3	CB-652AL	STD,10,20,30	1.9995/2.0000	0.0017/0.0037	0.0724	2.1460/2.1465	0.8800
Main Bearing Set	AL-3	MS-1037AL	STD,10,20					
1-2-3		MB-2573AL		2.2480/2.2485	0.0020/0.0040	0.0724	2.3950/2.3955	1.2550
Thrust Washer Set		TW-115S	STD					
		MB-2176W(L)		2.5900/2.6000			3.2450/3.2550	0.0910
		MB-2176W(U)		2.5900/2.6000			3.2450/3.2550	0.0910
NOTE: Contains 3 Pieces, Position Number 3								
Piston Pin Bushing(4)	C-1	223-3639	STD			0.0820	1.2187/1.2204	0.9551
Rod Forging 31337240								
Connecting Rod	30 To 35 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							

MASSEY FERGUSON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
8	108 CID (1.8L) VF4 Wisconsin V4 Cyl			3.250in./82.6mm x 3.250in./82.6mm				8
Rod Bearing(4)	B-2	CB-983M	STD,10	1.7500/1.7510	0.0014/0.0035	0.0613	1.8745/1.8750	0.8640
Piston Pin Bushing(4)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100
NOTE: Requires Light Reaming								
C/S Forging CA-55								
Connecting Rod 24 Lbs.Ft. Main Bearing 30 Lbs.Ft.								
9	108 CID (1.8L) VH4D Wisconsin V4 Cyl			3.250in./82.6mm x 3.250in./82.6mm				9
Rod Bearing(4)	B-2	CB-979M	STD,10,20	1.8750/1.8760	0.0014/0.0035	0.0613	1.9995/2.0000	0.8640
Piston Pin Bushing(4)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100
NOTE: Requires Light Reaming								
Connecting Rod 24 Lbs.Ft. Main Bearing 30 Lbs.Ft.								
10	120 CID (2.0L) Z120 Continental 4 Cyl 129 CID (2.1L) Z129 Continental 4 Cyl			3.188in./80.98mm x 3.750in./95.3mm 3.250in./82.6mm x 3.875in./98.4mm				10
Rod Bearing(4)	TM-77	CB-362P	STD,2,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0028	0.0619	2.0615/2.0625	1.0720
Main Bearing Set	TM-77	MS-260P	STD,10,20,30					
1		MB-1403W		2.2812			3.0625	0.0960
1		MB-1636P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.2700
2		MB-1637P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.2910
3		MB-1370P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.5560
NOTE: Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set(2)		TW-424S	STD					
		MB-1403W		2.2812			3.0625	0.0960
NOTE: Contains 1 Piece, Position Number 1								
Cam Bearing Set	B-1	SH-683S	STD					
1		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2		SH-362-10		1.7455/1.7465	0.0010/0.0060	0.0693	1.8855/1.8875	0.7600
3		SH-317		1.6830/1.6840	0.0005/0.0055	0.0645	1.8155/1.8175	0.7600
NOTE: Engines Not Originally Equipped With Cam Bearings Must Be Line Bored To The Proper Housing Bore Dimension								
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3621	STD			0.0365	0.9134/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging Z120D-500 C/S Forging Z120-500, Z120C-500, Z129C-205, Z129C-500								
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 70 To 75 Lbs.Ft.								
11	124 CID (2.0L) F124,F4124 Continental 4 Cyl 140 CID (2.3L) F140,F4140 Continental 4 Cyl 162 CID (2.7L) F162 Continental 4 Cyl			3.000in./76.2mm x 4.375in./111.1mm 3.188in./80.98mm x 4.375in./111.1mm 3.438in./87.33mm x 4.375in./111.1mm				11
Rod Bearing(2)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 2 And 4								
Rod Bearing(2)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 1 And 3								

MASSEY FERGUSON (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
11 (Cont.)	124 CID (2.0L) F124,F4124 Continental 4 Cyl 140 CID (2.3L) F140,F4140 Continental 4 Cyl 162 CID (2.7L) F162 Continental 4 Cyl				3.000in./76.2mm x 4.375in./111.1mm 3.188in./80.98mm x 4.375in./111.1mm 3.438in./87.33mm x 4.375in./111.1mm			11 (Cont.)
Main Bearing Set	TM-77	MS-176P-10	20,30					
1		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
1		MB-1403W		2.2812			3.0625	0.0960
2		MB-1406P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.6300
3		MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1, Contains Straight Shell Bearings								
Thrust Washer Set		TW-424S	STD	2.2812			3.0625	0.0960
		MB-1403W						
NOTE: Contains 2 Pieces, Position Number 1								
Cam Bearing Set	AL-3	SH-56S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	F400D-500, F400D-502, F218D-3020							
C/S Forging	400C-209, 400C-500, F140C-303, F162C-319, F400C-209, F400C-222, F400C-228, F400C-314, F400C-321, F400C-324, F400C-359, F400C-368, F400C-500, F400C-501, F400C-503							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
12	133 CID (2.2L) FC Waukesha Flex 4 Cyl				3.250in./82.6mm x 4.000in./101.6mm			12
Piston Pin Bushing(4)	B	223-3432	STD			0.0330	0.9265/0.9285	1.1975
NOTE: Requires Light Reaming								
Rod Forging	33738, 68007, BD-25A, BD-25C							
C/S Forging	24504, BB-14K, BD-14-A, BD-14-K, K-24504							
Connecting Rod	44 To 45 Lbs.Ft.							
Main Bearing	87 To 92 Lbs.Ft.							
13	134 CID (2.2L) Z134 Continental 4 Cyl				3.313in./84.1mm x 3.875in./98.4mm			13
Rod Bearing(4)	TM-77	CB-362P	STD, 2,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0028	0.0619	2.0615/2.0625	1.0720
Main Bearing Set	TM-77	MS-202P	STD, 10,20,30					
1		MB-1636P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.2700
2		MB-1768P(F)		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.4970
3		MB-1370P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.5560
Cam Bearing Set	B-1	SH-683S	STD					
1		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2		SH-362-10		1.7455/1.7465	0.0010/0.0060	0.0693	1.8855/1.8875	0.7600
3		SH-317		1.6830/1.6840	0.0005/0.0055	0.0645	1.8155/1.8175	0.7600
NOTE: Engines Not Originally Equipped With Cam Bearings Must Be Line Bored To The Proper Housing Bore Dimension								
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3621	STD			0.0365	0.9134/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	Z120D-500							
C/S Forging	Z129C-205, Z134C-500							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	70 To 75 Lbs.Ft.							

MASSEY FERGUSON (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
14	145 CID (2.4L) Z145 Continental 4 Cyl			3.375in./85.7mm x 4.063in./103.2mm				14
Rod Bearing(4)	TM-77	CB-362P	STD,2,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0028	0.0619	2.0615/2.0625	1.0720
Main Bearing Set	TM-77	MS-202P	STD,10,20,30					
1		MB-1636P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.2700
2		MB-1768P(F)		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.4970
3		MB-1370P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.5560
Cam Bearing Set	B-1	SH-683S	STD					
1		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2		SH-362-10		1.7455/1.7465	0.0010/0.0060	0.0693	1.8855/1.8875	0.7600
3		SH-317		1.6830/1.6840	0.0005/0.0055	0.0645	1.8155/1.8175	0.7600
NOTE: Engines Not Originally Equipped With Cam Bearings Must Be Line Bored To The Proper Housing Bore Dimension								
Piston Pin Bushing(4)	C-1	223-3621	STD			0.0365	0.9134/0.9140	1.1250
NOTE: Requires Boring								
15	176 CID (2.9L) G176 Continental 4 Cyl			3.578in./90.8mm x 4.375in./111.1mm				15
Rod Bearing(4)	TM-112	CB-616P	STD,10,20,30	2.0615/2.0625	0.0011/0.0036	0.0617	2.1865/2.1870	1.1300
Main Bearing Set	TM-112	MS-566P-10	30					
1		MB-2083P		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.4430
2		MB-2087P(F)		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.7470
3		MB-2085P		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.5990
C/S Forging	G176C-300							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
16	192 CID (3.1L) 4-192,P4 Perkins Diesel 4 Cyl			3.504in./89mm x 5.000in./127mm				16
203 CID (3.3L) 4-203,A4-203,AD4-203 Perkins Diesel 4 Cyl				3.583in./91mm x 5.000in./127mm				
Rod Bearing(4)	AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900
Main Bearing Set	AL-3	MS-773AL	STD,10,20,30					
1		MB-2186AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.3050
2-4		MB-2187AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.0000
3-5		MB-2302AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.6050
Thrust Washer Set		TW-119S	STD					
		MB-2188W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Engine Serial Number 2096900,Thru Eng. Serial No. 2105859, Contains 4 Pieces, Position Number 5								
Thrust Washer Set		TW-128S	STD					
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: Thru Eng. Serial No. 2096899, Contains 2 Pieces, Position Number 5								
Thrust Washer Set		TW-130S	STD					
		MB-2292W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2292W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Engine Serial Number 2105860, Contains 4 Pieces, Position Number 5								
Piston Pin Bushing(4)	C-1	223-3594	STD			0.8500	1.3757/1.3762	1.0630
NOTE: Requires Boring								
Rod Forging	52813, 31337140, 31337220							
C/S Forging	31315127							
Connecting Rod	70 To 80 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft.							
17	193 CID (3.2L) G193,GF193 Continental 4 Cyl			3.750in./95.3mm x 4.375in./111.1mm				17
Rod Bearing(4)	TM-112	CB-618P	STD,10,20,30	2.2490/2.2500	0.0011/0.0036	0.0617	2.3740/2.3745	1.0800
Main Bearing Set	TM-112	MS-566P-10	30					
1		MB-2083P		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.4430
2		MB-2087P(F)		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.7470
3		MB-2085P		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.5990
Rod Forging	G181-501M							
C/S Forging	G193C-202							
Connecting Rod	75 Lbs.Ft.							
Main Bearing	100 Lbs.Ft.							

MASSEY FERGUSON (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
18	201 CID (3.3L) E201 Continental 4 Cyl				3.625in./92.1mm x 4.875in./123.8mm			18
	208 CID (3.4L) E208 Continental Flex 4 Cyl				3.687in./93.7mm x 4.875in./123.8mm			
	208 CID (3.4L) E400 Continental 4 Cyl				3.687in./93.7mm x 4.875in./123.8mm			
	208 CID (3.4L) ED208 Continental Diesel 4 Cyl				3.687in./93.7mm x 4.875in./123.8mm			
	223 CID (3.7L) E223 Continental 4 Cyl				3.813in./96.9mm x 4.875in./123.8mm			
	223 CID (3.7L) E223 Continental LPG 4 Cyl				3.813in./96.9mm x 4.875in./123.8mm			
	223 CID (3.7L) EB223 Continental 4 Cyl				3.875in./98.4mm x 4.875in./123.8mm			
	223 CID (3.7L) EB223 Continental LPG 4 Cyl				3.875in./98.4mm x 4.875in./123.8mm			
	242 CID (4.0L) E242 Continental Flex 4 Cyl				3.813in./96.9mm x 5.125in./130.2mm			
242 CID (4.0L) EB242 Continental 4 Cyl				3.813in./96.9mm x 5.125in./130.2mm				
242 CID (4.0L) EB242 Continental LPG 4 Cyl				3.813in./96.9mm x 5.125in./130.2mm				
Rod Bearing(4)	TM-77	CB-596P	STD,10	2.2480/2.2490	0.0013/0.0034	0.0621	2.3740/2.3745	1.3220
Piston Pin Bushing(4)	C-1	223-3516	STD			0.0450	1.1810/1.1845	1.2500
NOTE: Requires Light Reaming								
Connecting Rod Main Bearing	70 To 75 Lbs.Ft. 85 To 95 Lbs.Ft.							
19	212 CID (3.5L) AG4-212 Perkins Diesel 4 Cyl				3.661in./93mm x 5.000in./127mm			19
Rod Bearing(4)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set 1-2-4-5 3	AL-3	MS-830AL MB-2221AL MB-2222AL	STD,10,20,30	2.9985/2.9990 2.9985/2.9990	0.0027/0.0052 0.0027/0.0052	0.0823 0.0823	3.1660/3.1670 3.1660/3.1670	1.2550 1.4450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-121S MB-2222W(L) MB-2222W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0910 0.0910
NOTE: Thru Engine Serial Number 4203049, Contains 4 Pieces, Position Number 3								
Thrust Washer Set		TW-316S MB-2636W(L) MB-2636W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0900 0.0900
NOTE: From Engine Serial Number 4203050, Contains 4 Pieces, Position Number 3								
20	236 CID (3.9L) 4-236 Perkins Diesel 4 Cyl				3.875in./98.4mm x 5.000in./127mm			20
	236 CID (3.9L) A4-236 Perkins Diesel 4 Cyl				3.858in./98mm x 5.000in./127mm			
Rod Bearing(4)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set 1-2-4-5 3	AL-3	MS-830AL MB-2221AL MB-2222AL	STD,10,20,30	2.9985/2.9990 2.9985/2.9990	0.0027/0.0052 0.0027/0.0052	0.0823 0.0823	3.1660/3.1670 3.1660/3.1670	1.2550 1.4450
Thrust Washer Set		TW-121S MB-2222W(L) MB-2222W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0910 0.0910
NOTE: Thru Engine Serial Number 4203049, Contains 4 Pieces, Position Number 3								
Thrust Washer Set		TW-316S MB-2636W(L) MB-2636W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0900 0.0900
NOTE: From Engine Serial Number 4203050, Contains 4 Pieces, Position Number 3								
Piston Pin Bushing(4)	C-1	223-3641	STD			0.0830	1.6562/1.6568	1.3360
Rod Forging C/S Forging	59554, 31337310, 31337180,JGSB 31315881							
Connecting Rod Main Bearing	65 To 70 Lbs.Ft. 140 To 150 Lbs.Ft.							
21	248 CID (4.1L) 4-248,A4-248 Perkins Diesel 4 Cyl				3.976in./101mm x 5.000in./127mm			21
Rod Bearing(4)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set 1-2-4-5 3	AL-3	MS-830AL MB-2221AL MB-2222AL	STD,10,20,30	2.9985/2.9990 2.9985/2.9990	0.0027/0.0052 0.0027/0.0052	0.0823 0.0823	3.1660/3.1670 3.1660/3.1670	1.2550 1.4450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								

MASSEY FERGUSON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
21 (Cont.)	248 CID (4.1L) 4-248,A4-248 Perkins Diesel 4 Cyl			3.976in./101mm x 5.000in./127mm				21 (Cont.)
Thrust Washer Set		TW-121S MB-2222W(L) MB-2222W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0910 0.0910
NOTE: Thru Engine Serial Number 4203049, Contains 4 Pieces, Position Number 3								
Thrust Washer Set		TW-316S MB-2636W(L) MB-2636W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0900 0.0900
NOTE: From Engine Serial Number 4203050, Contains 4 Pieces, Position Number 3								
Piston Pin Bushing(4)	C-1	223-3640	STD			0.0870	1.5318/1.5323	1.3360
Rod Forging	59554, 31337310, 31337180JGSB							
C/S Forging	31315881							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	140 To 150 Lbs.Ft.							
22	260 CID (4.3L) H260 Continental 4 Cyl			3.875in./98.4mm x 5.500in./139.7mm				22
	277 CID (4.5L) H277 Continental 4 Cyl			4.000in./101.6mm x 5.500in./139.7mm				
Rod Bearing(4)	TM-77	CB-405P	STD,10,20,30	2.4980/2.4990	0.0009/0.0030	0.0623	2.6240/2.6245	1.4780
Piston Pin Bushing(4)	C-1	223-3517	STD			0.0680	1.3698/1.3723	1.2600
NOTE: Requires Light Reaming								
C/S Forging	H260C-602, H260C-603							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	70 To 75 Lbs.Ft.							
23	260 CID (4.3L) HD260 Continental Diesel 4 Cyl			3.875in./98.4mm x 5.500in./139.7mm				23
	277 CID (4.5L) HD277 Continental Diesel 4 Cyl			4.000in./101.6mm x 5.500in./139.7mm				
Rod Bearing(4)	TM-112	CB-459P	STD	2.4980/2.4990	0.0017/0.0042	0.0619	2.6240/2.6245	1.4780
Piston Pin Bushing(4)	C-1	223-3517	STD			0.0680	1.3698/1.3723	1.2600
NOTE: Requires Light Reaming								
C/S Forging	HD260C-204, HD260C-424							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	70 To 75 Lbs.Ft.							
24	301 CID (4.9L) 4-300 Perkins Diesel 4 Cyl			4.488in./114mm x 4.764in./121mm				24
Rod Bearing(4)	TM-112	CB-751P	STD,10	2.7482/2.7490	0.0025/0.0053	0.0825	2.9160/2.9170	1.3780
Thrust Washer Set		TW-121S MB-2222W(L) MB-2222W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0910 0.0910
NOTE: Contains 4 Pieces, Position Number 3								
25	318 CID/5215CC (5.2L) 4.318,A4.318 Perkins Diesel 4 Cyl			4.500in./114.3mm x 5.000in./127mm				25
Rod Bearing(4)	TM-112	CB-751P	STD,10	2.7482/2.7490	0.0025/0.0053	0.0825	2.9160/2.9170	1.3780
Main Bearing Set 1-2-4-5	AL-3	MS-830AL MB-2221AL	STD,10,20,30	2.9985/2.9990 2.9985/2.9990	0.0027/0.0052 0.0027/0.0052	0.0823	3.1660/3.1670 3.1660/3.1670	1.2550 1.4450
3		MB-2222AL						
Thrust Washer Set		TW-316S MB-2636W(L) MB-2636W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0900 0.0900
NOTE: Contains 4 Pieces, Position Number 3								
C/S Forging	31315841, 31315843, 31315952, 31315971, 31316323, 31316324, 31316325							
Connecting Rod	105 Lbs.Ft.							
Main Bearing								
6 CYL								
26	170 CID (2.8L) H170/HB170/HC170 Chrysler 6 Cyl			3.400in./86.4mm x 3.125in./79.4mm				26
	225 CID (3.7L) H225 Chrysler 6 Cyl			3.400in./86.4mm x 4.125in./104.8mm				
Rod Bearing(6)	TM-77	CB-606G	STD,1,10,20,30,40,60	2.1865/2.1875	0.0007/0.0028	0.0624	2.3125/2.3130	0.9900
NOTE: Forged Crankshaft								

MASSEY FERGUSON (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
26 (Cont.)	170 CID (2.8L) H170/HB170/HC170 Chrysler 6 Cyl				3.400in./86.4mm x 3.125in./79.4mm			26 (Cont.)
	225 CID (3.7L) H225 Chrysler 6 Cyl				3.400in./86.4mm x 4.125in./104.8mm			
Main Bearing Set	TM-77	MS-517P	STD,10,20,30,40					
1		MB-1999P		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.0390
2-4		MB-2001P		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.0390
3		MB-2000P(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.2550
NOTE: Forged Crankshaft								
Cam Bearing Set	B-1	SH-874S	STD					
1		SH-874		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.9300
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-424		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.7600
4		SH-425		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
Piston Pin Bushing(6)	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400
NOTE: Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400
NOTE: Requires Boring								
Rod Forging	15140, 15134N, 1947167, 1947952, 2205554, 2951260, 3751142N							
C/S Forging	2121654, 2128492, 2205554, 2258613, 2263611, 2264478, 2264479, 2268613, 2543935, 2658998, 2843935, 2843939, 2843963, 3698966, 3769307, 4095246, 7501366							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
27	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler 6 Cyl (1942-1954)				3.250in./82.6mm x 4.375in./111.1mm			27
	230 CID (3.8L) Ind 30 Chrysler 6 Cyl (1942-1960)				3.250in./82.6mm x 4.625in./117.5mm			
	230 CID (3.8L) L-Head Dodge 6 Cyl				3.250in./82.6mm x 4.625in./117.5mm			
Rod Bearing(6)	TM-77	CB-60G	STD,10,20,30,40,50,60	2.0615/2.0625	0.0006/0.0027	0.0525	2.1675/2.1680	1.0050
Main Bearing Set	TM-77	MS-523P-10	20,30,C60					
1		MB-2011P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.2400
2-3		MB-2012P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.0360
4		MB-122P(F)		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-23S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-24		1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820
3		SH-25		1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	9300, 9410, 9414, 617925, 666743, 868896, 952118, 954371, 954408, 1554471, 1554530							
C/S Forging	620035, 856080, 864718, 864719, 868929, 952068, 1185539, 1316540, 1557708, 1739589							
Connecting Rod	45 To 50 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	50 To 75 Lbs.Ft. (7/16" Bolts)							
Main Bearing	80 To 85 Lbs.Ft.							
28	226 CID (3.7L) F226 Continental Flex 6 Cyl				3.313in./84.1mm x 4.375in./111.1mm			28
	244 CID (4.0L) F6244 Continental 6 Cyl				3.438in./87.33mm x 4.375in./111.1mm			
Rod Bearing(6)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Main Bearing Set	TM-77	MS-440P-20						
1		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2-3		MB-1225P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5615/2.5622	1.3170
4		MB-1226P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.4890
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								

MASSEY FERGUSON (Cont.)

MASSEY FERGUSON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
28 (Cont.)	226 CID (3.7L) F226 Continental Flex 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				28 (Cont.)
244 CID (4.0L) F6244 Continental 6 Cyl				3.438in./87.33mm x 4.375in./111.1mm				
Thrust Washer Set		TW-417S	STD	2.4062			3.3125	0.1260
		MB-1224FW						
NOTE: Contains 1 Piece, Front, Position Number 1								
Thrust Washer Set		TW-418S	STD	2.4030			3.3750	0.0950
		MB-1224RW						
NOTE: Contains 1 Piece, Position Number 1, Rear								
Cam Bearing Set	AL-3	SH-190S	STD	1.8715/1.8725 1.8085/1.8095 1.7457/1.7465 1.2465/1.2475	0.0020/0.0050 0.0020/0.0050 0.0024/0.0057 0.0010/0.0050	0.0628 0.0630 0.0628 0.0628	1.9995/2.0000 1.9370/1.9380 1.8745/1.8750 1.3745/1.3750	0.8850 0.9480 1.6350 1.1660
1		SH-1211						
2		SH-191						
3		SH-56						
4		SH-57						
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	F600D-310, F600D-402, F600D-405							
C/S Forging	F600C-217, F600C-344, F600C-368, F600C-502, F600C-504, F600C-536, F600C-601, F600C-500A, F600C-502A, F600C-506A, F600C-606A, F600C-606C							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
29	227 CID (3.7L) F227 Continental 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				29
Rod Bearing(6)	TM-112	CB-465P	STD, 10, 20, 30, C40, C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402, Use In Positions 1, 3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD, 10, 20, 30, C40, C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Main Bearing Set	TM-77	MS-889P	STD, 10, 20, 30	2.3744/2.3752 2.3744/2.3752 2.3744/2.3752	0.0010/0.0031 0.0010/0.0031 0.0005/0.0023	0.0928 0.0928 0.0932	2.5616/2.5622 2.5615/2.5622 2.5616/2.5622	1.0670 1.3170 1.6320
1		MB-1682P						
2-3		MB-1225P						
4		MB-1686P(F)						
Cam Bearing Set	AL-3	SH-190S	STD	1.8715/1.8725 1.8085/1.8095 1.7457/1.7465 1.2465/1.2475	0.0020/0.0050 0.0020/0.0050 0.0024/0.0057 0.0010/0.0050	0.0628 0.0630 0.0628 0.0628	1.9995/2.0000 1.9370/1.9380 1.8745/1.8750 1.3745/1.3750	0.8850 0.9480 1.6350 1.1660
1		SH-1211						
2		SH-191						
3		SH-56						
4		SH-57						
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, Thin Wall								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming								
Rod Forging	731057							
C/S Forging	209229, 732596, 733536, 733863, 734452, 734542, 928928, 7325596, F600C-243							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
30	237 CID (3.9L) Ind 7 Chrysler 6 Cyl			3.438in./87.33mm x 4.250in./108mm				30
251 CID (4.1L) Ind 8 Chrysler 6 Cyl				3.438in./87.33mm x 4.500in./114.3mm				
265 CID (4.3L) Ind 32, Ind 33 Chrysler 6 Cyl				3.438in./87.33mm x 4.750in./120.7mm				
Rod Bearing(6)	TM-77	CB-90P	STD, 1, 10, 20, 30, 40, C60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	1.0850
Main Bearing Set	TM-77	MS-107P	STD, 10, 20	2.4995/2.5005 2.4995/2.5005	0.0011/0.0036 0.0017/0.0042	0.0776 0.0774	2.6565/2.6570 2.6565/2.6570	1.1810 1.8710
1-2-3		MB-327P						
4		MB-328P(F)						
Cam Bearing Set	B-1	SH-37S	STD	1.9980/1.9990 1.9665/1.9675 1.9350/1.9360	0.0005/0.0040 0.0005/0.0045 0.0005/0.0044	0.0650 0.0652 0.0653	2.1290/2.1300 2.0985/2.0995 2.0670/2.0680	1.1010 1.0700 1.0690
1		SH-23						
2		SH-37						
3		SH-38						

MASSEY FERGUSON (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
30 (Cont.)	237 CID (3.9L) Ind 7 Chrysler 6 Cyl 251 CID (4.1L) Ind 8 Chrysler 6 Cyl 265 CID (4.3L) Ind 32, Ind 33 Chrysler 6 Cyl				3.438in./87.33mm x 4.250in./108mm 3.438in./87.33mm x 4.500in./114.3mm 3.438in./87.33mm x 4.750in./120.7mm			30 (Cont.)
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Boring, 1.066" Outside Diameter								
Rod Forging	665679, 666746, 954418, 954428, 954448, 1400244							
C/S Forging	665792, 666739, 673498, 762706, 863706, 864718, 870715, 870744							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 80 To 85 Lbs.Ft.							
31	282 CID (4.6L) JXC Hercules 6 Cyl 339 CID (5.6L) JXLD Hercules 6 Cyl				3.750in./95.3mm x 4.250in./108mm 4.000in./101.6mm x 4.500in./114.3mm			31
Rod Bearing(6)	TM-112	CB-340P	STD, 10, 20, 30, 40	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640
NOTE: Contains 2 Shims								
Cam Bearing Set 1-4	B-1	SH-198S	STD					
2-3		SH-197		2.0530/2.0540	0.0005/0.0040	0.0668	2.1870/2.1880	1.1350
		SH-198		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230
NOTE: From Engine Serial Number 501088								
Rod Forging	40090C, 40390C, 43102C, 44119C							
C/S Forging	43532, 40091E, 40094D, 40094E, 40950E, 40991E, 42947E, 42974E, 42979E, 43526D, 43526E, 43528B, 43528E, 43531E, 44025E, 45853D, 45853E, 45855E, 45857E, 45859B, 45859D, 45859E, 45868G, 46024E, 50024E, C-5145, 140025D, 140026D, 155025E, 220426C							
Connecting Rod Main Bearing	53 To 56 Lbs.Ft. 60 To 70 Lbs.Ft.							
32	288 CID (4.7L) P6 Perkins Diesel 6 Cyl 305 CID (5.0L) 6.305, AD6.305 Perkins Diesel 6 Cyl				3.504in./89mm x 5.000in./127mm 3.600in./91.4mm x 5.000in./127mm			32
Rod Bearing(6)	AL-3	CB-560AL	STD, 10, 20, 30, 40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900
Thrust Washer Set		TW-119S	STD					
		MB-2188W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Engine Serial Number 3280000, Thru Eng. Serial No. 3294767, Contains 4 Pieces, Position Number 7								
Thrust Washer Set		TW-128S	STD					
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: Thru Eng. Serial No. 3279999, Contains 2 Pieces, Position Number 7								
Thrust Washer Set		TW-130S	STD					
		MB-2292W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2292W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Engine Serial Number 3294768, Contains 4 Pieces, Position Number 7								
Piston Pin Bushing(6)	C-1	223-3594	STD			0.8500	1.3757/1.3762	1.0630
NOTE: Requires Boring								
Connecting Rod Main Bearing	70 To 80 Lbs.Ft. 110 To 120 Lbs.Ft.							
33	290 CID (4.8L) M290 Continental 6 Cyl 330 CID (5.4L) M330, M6330 Continental 6 Cyl				3.750in./95.3mm x 4.625in./117.5mm 4.000in./101.6mm x 4.375in./111.1mm			33
Rod Bearing(6)	TM-112	CB-510P	STD, 10, 30	2.2480/2.2490	0.0013/0.0038	0.0621	2.3740/2.3745	1.3850
C/S Forging	K600C-303, M600C-203, M600C-302, M600C-303, M600C-501, M600C-503							
Connecting Rod Main Bearing	20 To 25 Lbs.Ft. 35 To 40 Lbs.Ft.							
34	292 CID (4.8L) General Motors 6 Cyl				3.875in./98.4mm x 4.125in./104.8mm			34
Rod Bearing(6)	AL-5	CB-663A-10	20, 30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(6)	TM-77	CB-663P	STD, 1, 2, 10, 20, 30, 40, C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(6)	AL-5	CB-1776A-10	20, 30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4-5-6	TM-77	MS-617P	STD, 1, 10, 20, 30, 40					
7		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090

MASSEY FERGUSON (Cont.)

MASSEY FERGUSON (Cont.)										
COUNTER DATA				SHOP DATA						
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length		
				6 CYL (Cont.)						
34 (Cont.)	292 CID (4.8L) General Motors 6 Cyl			3.875in./98.4mm x 4.125in./104.8mm					34 (Cont.)	
Cam Bearing Set 1-4	AL-3	SH-399S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700		
2-3		SH-399		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700		
		SH-400								
35	354 CID (5.8L) 6-354,A6-354 Perkins Diesel 6 Cyl			3.877in./98.5mm x 5.000in./127mm					35	
Rod Bearing(6)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550		
Main Bearing Set 1-2-3-5-6-7	AL-3	MS-757AL	STD,10,20,30	2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2550		
4		MB-2221AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4450		
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S										
Thrust Washer Set		TW-121S	STD	3.4200/3.4300			4.0880/4.0980	0.0910		
		MB-2222W(L)		3.4200/3.4300			4.0880/4.0980	0.0910		
		MB-2222W(U)								
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4										
Thrust Washer Set		TW-316S	STD	3.4200/3.4300			4.0880/4.0980	0.0900		
		MB-2636W(L)		3.4200/3.4300			4.0880/4.0980	0.0900		
		MB-2636W(U)								
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4										
Piston Pin Bushing(6)	C-1	223-3641	STD			0.0830	1.6562/1.6568	1.3360		
Rod Forging	59554, 31337310, 31337180JGSB									
C/S Forging	3132302, 31322302									
Connecting Rod	65 To 70 Lbs.Ft.									
Main Bearing	145 To 150 Lbs.Ft.									
36	354 CID (5.8L) 6-354.4 Perkins Diesel 6 Cyl			3.877in./98.5mm x 5.000in./127mm					36	
Rod Bearing(6)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550		
Main Bearing Set 1-2-3-5-6-7	AL-3	MS-1548AL	STD,10	2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2400		
4		MB-2789AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4400		
		MB-2790AL								
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-316S										
Thrust Washer Set		TW-316S	STD	3.4200/3.4300			4.0880/4.0980	0.0900		
		MB-2636W(L)		3.4200/3.4300			4.0880/4.0980	0.0900		
		MB-2636W(U)								
NOTE: Contains 4 Pieces, Position Number 4										
Rod Forging	59554, 31337310, 31337180JGSB									
C/S Forging	3132302, 31322302									
Connecting Rod	75 Lbs.Ft. (Cadmium Plated Bolts)									
Connecting Rod	95 Lbs.Ft. (Phosphated Bolts)									
Main Bearing	200 Lbs.Ft.									
37	354 CID (5.8L) AT6-354 Perkins Turbocharged Diesel 6 Cyl			3.877in./98.5mm x 5.000in./127mm					37	
Rod Bearing(6)	AL-3	CB-1209AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550		
Main Bearing Set 1-2-3-5-6-7	AL-3	MS-757AL	STD,10,20,30	2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2550		
4		MB-2221AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4450		
		MB-2222AL								
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S										
Thrust Washer Set		TW-121S	STD	3.4200/3.4300			4.0880/4.0980	0.0910		
		MB-2222W(L)		3.4200/3.4300			4.0880/4.0980	0.0910		
		MB-2222W(U)								
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4										
Thrust Washer Set		TW-316S	STD	3.4200/3.4300			4.0880/4.0980	0.0900		
		MB-2636W(L)		3.4200/3.4300			4.0880/4.0980	0.0900		
		MB-2636W(U)								
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4										
Piston Pin Bushing(6)	C-1	223-3641	STD			0.0830	1.6562/1.6568	1.3360		
38	354 CID (5.8L) AT6-354.4 Perkins Turbocharged Diesel 6 Cyl			3.877in./98.5mm x 5.000in./127mm					38	
Rod Bearing(6)	AL-3	CB-1209AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550		

MASSEY FERGUSON (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
38 (Cont.)	354 CID (5.8L) AT6-354.4 Perkins Turbocharged Diesel 6 Cyl			3.877in./98.5mm x 5.000in./127mm				38 (Cont.)
Main Bearing Set 1-2-3-5-6-7 4	AL-3	MS-1548AL MB-2789AL MB-2790AL	STD,10	2.9985/2.9990 2.9985/2.9990	0.0027/0.0052 0.0027/0.0052	0.0823 0.0823	3.1660/3.1670 3.1660/3.1670	1.2400 1.4400
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-121S MB-2222W(L) MB-2222W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0910 0.0910
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4								
Thrust Washer Set		TW-316S MB-2636W(L) MB-2636W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0900 0.0900
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4								
Piston Pin Bushing(6)	C-1	223-3641	STD			0.0830	1.6562/1.6568	1.3360
39	504 CID (8.3L) 504 Minneapolis Moline LPG 6 Cyl 504 CID (8.3L) HD504A Minneapolis Moline Diesel 6 Cyl			4.625in./117.5mm x 5.000in./127mm 4.625in./117.5mm x 5.000in./127mm				39
Rod Bearing(6)	TM-112	CB-591P	STD,10,20	2.9115/2.9120	0.0019/0.0044	0.1053	3.1240/3.1250	2.0780
Rod Forging 10A-5090								
Connecting Rod 80 To 85 Lbs.Ft. Main Bearing 195 To 205 Lbs.Ft. (Bearing Cap Number 1) Main Bearing 95 To 105 Lbs.Ft. (Bearing Caps Number 2, 3, And 4)								
8 CYL								
40	327 CID (5.4L) Chevrolet V8 Cyl			4.000in./101.6mm x 3.250in./82.6mm				40
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 2.000" Diameter Crankshaft Rod Journal	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Main Bearing Set 1-2-3-4 5 NOTE: 2.298" Diameter Main Bearing Journals	TM-77	MS-429P MB-3135P MB-1769P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2978/2.2988	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 2.448" Diameter Main Bearing Journals	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 2.448" Diameter Main Bearing Journals, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 2.448" Diameter Main Bearing Journals, Contains .020" Oversize Length Flanged Bearing	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
Main Bearing Set 1-2-3-4 5 NOTE: 2.448" Diameter Main Bearing Journals, Contains .040" Oversize Length Flanged Bearing	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580

MASSEY FERGUSON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
40 (Cont.)	327 CID (5.4L) Chevrolet V8 Cyl			4.000in./101.6mm x 3.250in./82.6mm				40 (Cont.)
Main Bearing Set 1-2-3-4 5	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: 2.448" Diameter Main Bearing Journals, Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3-4 5	B-1	SH-287S SH-290 SH-288 SH-287 SH-289	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644 0.0694	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500 0.9500
NOTE: 1962-1963								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: 1964-1969								
Cam Bearing Set 1 2-5 3-4	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: 1964-1969, Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3185281, 3703526, 3703527, 3784000, 3815281 1130, 1178, 1182, 2680, 3279, 4577, 4672, 3782680, 3782690, 3815822, 3911000, 3911001, 3911011, 391101A, 3914681, 3914682, 3930809, 3941172, 3941174, 5782680							
Connecting Rod Connecting Rod Main Bearing Main Bearing	35 Lbs.Ft. (11/32" Bolts) 45 Lbs.Ft. (3/8" Bolts) 60 To 70 Lbs.Ft. (2.298" Diameter Main Bearing Journals) 75 Lbs.Ft. (2.448" Diameter Main Bearing Journals)							
41	568 CID (9.3L) 8V-71 Detroit Diesel Diesel V8 Cyl			4.250in./108mm x 5.000in./127mm				41
Rod Bearing(8)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing Set 1-2-3-4-5 5	TM-112	MS-1386P MB-2687P MB-2523W	STD,10,20,30	4.4990/4.5000 4.7500/4.7600	0.0019/0.0049	0.1552	4.8120/4.8130 5.7300/5.7400	1.2450 0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 5								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings, Housing Requires 2 Bushings Each, Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(6)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(6)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushings(16)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod, Requires Boring								

MASSEY FERGUSON (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
41 (Cont.)	568 CID (9.3L) 8V-71 Detroit Diesel Diesel V8 Cyl			4.250in./108mm x 5.000in./127mm				41 (Cont.)
Rod Forging	5135051, 5144384							
C/S Forging	511706, 5103281, 5144867							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	155 To 185 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
42	573 CID (9.4L) 3150 Caterpillar Diesel V8 Cyl			4.500in./114.3mm x 4.500in./114.3mm				42
Rod Bearing(8)	TM-112	CB-972P	STD,10,20,30,40	2.7496/2.7504	0.0018/0.0046	0.0948	2.9413/2.9423	0.9550
Main Bearing Set	TM-112	MS-1421P	STD,10,20,30					
1-2-3-5		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000
4		MB-2735P(F)		3.4990/3.5000	0.0013/0.0043	0.1028	3.7070/3.7080	1.2530
NOTE: Contains Upper Half Flanged Bearing, 1.253" Lgth. Upr. Half Flanged								
Main Bearing Set	TM-112	MS-1592P	STD,20					
1-2-3-5		MB-2929P		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.0000
4		MB-2930P(F)		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.2530
NOTE: .010" Oversize On Outside Diameter, 1.253" Lgth. Upr. Half Flanged								
Cam Bearing Set	AL-3	SH-1245S	STD					
1-2-3-4-5		SH-1245		2.4995/2.5005	0.0004/0.0010	0.0750	2.6520/2.6530	0.7600
C/S Forging	9N-8013							
43	636 CID (10.4L) 3160 Caterpillar Diesel V8 Cyl			4.500in./114.3mm x 5.000in./127mm				43
Rod Bearing(8)	TM-112	CB-972P	STD,10,20,30,40	2.7496/2.7504	0.0018/0.0046	0.0948	2.9413/2.9423	0.9550
Main Bearing Set	TM-112	MS-1421P	STD,10,20,30					
1-2-3-5		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000
4		MB-2735P(F)		3.4990/3.5000	0.0013/0.0043	0.1028	3.7070/3.7080	1.2530
NOTE: Contains Upper Half Flanged Bearing, 1.253" Lgth. Upr. Half Flanged								
Main Bearing Set	TM-112	MS-1592P	STD,20					
1-2-3-5		MB-2929P		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.0000
4		MB-2930P(F)		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.2530
NOTE: .010" Oversize On Outside Diameter, 1.253" Lgth. Upr. Half Flanged								
Cam Bearing Set	AL-3	SH-1245S	STD					
1-2-3-4-5		SH-1245		2.4995/2.5005	0.0004/0.0010	0.0750	2.6520/2.6530	0.7600
Piston Pin Bushing(8)	C-1	223-3569	STD			0.0770	1.6295/1.6300	1.3100
NOTE: Engines With Cylindrical Pin Bushings, Requires Boring								
Connecting Rod	27 To 33 Lbs.Ft. Plus 60 Degrees							
Main Bearing	Step A 60 Lbs.Ft.; Step B 175 Lbs.Ft.							
44	636 CID (10.4L) 3208 Caterpillar Diesel V8 Cyl			4.500in./114.3mm x 5.000in./127mm				44
Rod Bearing(8)	TM-112	CB-972P	STD,10,20,30,40	2.7496/2.7504	0.0018/0.0046	0.0948	2.9413/2.9423	0.9550
NOTE: .955" Bearing Length, Early Engine								
Rod Bearing(8)	TM-112	CB-1215P	STD,10,20,30,40	2.7490/2.7502	0.0020/0.0054	0.0948	2.9413/2.9423	1.0100
NOTE: 1.010" Bearing Length, Late Engines								
Main Bearing Set	TM-112	MS-1420P	STD,10,20,30					
1		MB-2733P		3.4990/3.5000	0.0023/0.0053	0.1025	3.7070/3.7080	1.0000
2-3-5		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000
4		MB-2735P(F)		3.4990/3.5000	0.0013/0.0043	0.1028	3.7070/3.7080	1.2530
NOTE: Late Engines, Non-Grooved Front Bearing								
Main Bearing Set	TM-112	MS-1421P	STD,10,20,30					
1-2-3-5		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000
4		MB-2735P(F)		3.4990/3.5000	0.0013/0.0043	0.1028	3.7070/3.7080	1.2530
NOTE: Early Engine, Contains Upper Half Flanged Bearing, 1.253" Lgth. Upr. Half Flanged								
Main Bearing Set	TM-112	MS-1422P	STD,10,20,30					
1		MB-2736P		3.4990/3.5000	0.0023/0.0053	0.1025	3.7070/3.7080	1.0000
2-3-5		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000
4		MB-2735P(F)		3.4990/3.5000	0.0013/0.0043	0.1028	3.7070/3.7080	1.2530
NOTE: Late Engines, Grooved Front Bearing								

MASSEY FERGUSON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
44 (Cont.)	636 CID (10.4L) 3208 Caterpillar Diesel V8 Cyl			4.500in./114.3mm x 5.000in./127mm				44 (Cont.)
Main Bearing Set 1-2-3-5 4	TM-112	MS-1592P MB-2929P MB-2930P(F)	STD,20	3.4990/3.5000 3.4990/3.5000	0.0023/0.0053 0.0023/0.0053	0.1075 0.1075	3.7170/3.7180 3.7170/3.7180	1.0000 1.2530
NOTE: Early Engine, Optional, .010" Oversize On Outside Diameter, 1.253" Lgth. Upr. Half Flanged								
Main Bearing Set 1 2-3-5 4	TM-112	MS-1593P MB-2927P MB-2929P MB-2930P(F)	STD,20	3.4990/3.5000 3.4990/3.5000 3.4990/3.5000	0.0023/0.0053 0.0023/0.0053 0.0023/0.0053	0.1075 0.1075 0.1075	3.7170/3.7180 3.7170/3.7180 3.7170/3.7180	1.0000 1.0000 1.2530
NOTE: Late Engines, Non-Grooved Front Bearing, Optional, .010" Oversize On Outside Diameter								
Main Bearing Set 1 2-3-5 4	TM-112	MS-1594P MB-2928P MB-2929P MB-2930P(F)	STD,20	3.4990/3.5000 3.4990/3.5000 3.4990/3.5000	0.0023/0.0053 0.0023/0.0053 0.0023/0.0053	0.1075 0.1075 0.1075	3.7170/3.7180 3.7170/3.7180 3.7170/3.7180	1.0000 1.0000 1.2530
NOTE: Late Engines, Grooved Front Bearing, Optional, .010" Oversize On Outside Diameter								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1245S SH-1245	STD	2.4995/2.5005	0.0004/0.0010	0.0750	2.6520/2.6530	0.7600
Piston Pin Bushing(8)	C-1	223-3569	STD			0.0770	1.6295/1.6300	1.3100
NOTE: Engines With Cylindrical Pin Bushings, Requires Boring								
Piston Pin Bushing(8)	C-1	223-3628	STD			0.0775	1.6290/1.6295	1.3020
NOTE: Engines With Tapered Pin Bushings, Requires Boring								
Connecting Rod	30 Lbs.Ft. Plus 60 Degrees (Lubricant Required)							
Main Bearing	30 Lbs.Ft. Plus 120 Degrees (Lubricant Required)							
45	903 CID (14.8L) V903 Cummins Diesel V8 Cyl			5.500in./139.7mm x 4.750in./120.7mm				45
	903 CID (14.8L) VT903 Cummins Turbocharged Diesel V8 Cyl			5.500in./139.7mm x 4.750in./120.7mm				
Rod Bearing(8)	TM-112	CB-1073P	STD,10,20	3.1240/3.1250	0.0020/0.0045	0.0948	3.3160/3.3165	1.3660
Main Bearing Set 1-2-3-4-5 5	C-1	MS-1265P MB-2621P MB-2621W	STD,10,20,30	3.7490/3.7500 4.1200/4.1400	0.0019/0.0053	0.1552	4.0620/4.0630 5.2300/5.2400	1.3130 0.1510
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position, Contains Dowel Pins								
Thrust Washer Set		TW-449S MB-2621W	STD	4.1200/4.1400			5.2300/5.2400	0.1510
NOTE: Contains 4 Pieces, Position Number 5								
Cam Bearing Set 1-5 2-3-4	C-1	SH-1382S SH-1382 SH-1383	STD	2.4960/2.4970 2.4960/2.4970	0.0020/0.0060 0.0020/0.0060	0.0937 0.0937	2.6865/2.6875 2.6865/2.6875	1.8100 1.0700
Piston Pin Bushing(8)	C-1	223-3563	STD			0.1420	2.0015/2.0021	1.7600
NOTE: Requires Boring								
Connecting Rod	Step A 60 Lbs.Ft.; Step B 100 Lbs.Ft.; Step C Loosen All; Step D 40 Lbs.Ft.; Step E 70 Lbs.Ft.; Step F 105 Lbs.Ft.; Step G Loosen All; Step H Repeat Steps D, E And F							
Main Bearing	Step A 160 Lbs.Ft.; Step B 350 Lbs.Ft.; Step C Loosen All; Step D 90 Lbs.Ft.; Step E 180 Lbs.Ft.; Step F Turn 60 Degrees (Long Bolt)							
Main Bearing	Step A 25 Lbs.Ft.; Step B 75 Lbs.Ft.; Step C 150 Lbs.Ft. (Short Bolt)							

MAZDA							
ENGINE DATA							
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				4 CYL (Cont.)			
988CC (1.0L) PB	1967-1983	2.677in./68mmX2.677in./68mm	1	140 CID (2.3L) SOHC Ford	1994-1997	3.780in./96mmX3.125in./79.4mm	17
1169CC (1.2L) OHV	1968-1974	2.756in./70mmX2.992in./76mm	1	2261CC (2.3L) DOHC 16 Valve VVT	2003-2005	3.444in./87.5mmX3.701in./94mm	16
1272CC (1.3L) TC SOHC	1976-1978	2.874in./73mmX2.992in./76mm	2	153 CID (2.5L) SOHC Ford	1998-2001	3.780in./96mmX3.397in./86.3mm	18
1415CC (1.4L) UC SOHC	1979-1980	3.031in./77mmX2.992in./76mm	3	2555CC (2.6L) AM1 SOHC	1987-1988	3.587in./91.1mmX3.858in./98mm	19
1489CC (1.5L) Z5-DE DOHC	1995-1998	2.965in./75.3mmX3.268in./83mm	4	2606CC (2.6L) G6 SOHC	1989-1994	3.622in./92mmX3.858in./98mm	20
1490CC (1.5L) E5 SOHC	1981-1985	3.031in./77mmX3.150in./80mm	5	2977CC (3.0L) HA Diesel	1977-1990	3.740in./95mmX4.134in./105mm	21
1586CC (1.6L) NA SOHC	1970-1977	3.071in./78mmX3.268in./83mm	6	3455CC (3.5L) SA Diesel	1984-1990	3.937in./100mmX4.330in./110mm	21
1597CC (1.6L) B6 SOHC 16 Valve	1992-1993	3.071in./78mmX3.307in./84mm	7	6 CYL			
1597CC (1.6L) B6B SOHC 8 Valve Non-Turbo	1986-1994	3.071in./78mmX3.307in./84mm	7	1844CC (1.8L) K8D DOHC	1992-1994	2.953in./75mmX2.740in./69.6mm	22
1597CC (1.6L) B6E DOHC 16 Valve Turbo Turbocharged	1988-1989	3.071in./78mmX3.307in./84mm	7	2254CC (2.3L) KJ DOHC Supercharged	1995-2002	3.160in./80.3mmX2.921in./74.2mm	23
1597CC (1.6L) B6ZE DOHC 16 Valve	1990-1995	3.071in./78mmX3.307in./84mm	7	2497CC (2.5L) KL-ZE DOHC	1993-1998	3.327in./84.5mmX2.913in./74mm	23
1796CC (1.8L) VB SOHC	1972-1978	3.071in./78mmX3.701in./94mm	8	181 CID/2967CC (3.0L) Duratec/DOHC/24 Valve Ford	2001-2003	3.504in./89mmX3.130in./79.5mm	24
1839CC (1.8L) DOHC (BP-ZE)	1994-1997	3.268in./83mmX3.346in./85mm	7	183 CID (3.0L) FFV/OHV Ford Flex	1999-2001	3.504in./89mmX3.150in./80mm	25
1839CC (1.8L) DOHC (BPD)	1990-1997	3.268in./83mmX3.346in./85mm	7	183 CID (3.0L) OHV Ford	1994-2003	3.504in./89mmX3.150in./80mm	25
1839CC (1.8L) SOHC (BPE)	1990-1994	3.268in./83mmX3.346in./85mm	7	2954CC (3.0L) JE SOHC	1989-1998	3.543in./90mmX3.031in./77mm	26
1970CC (2.0L) MA SOHC	1979-1984	3.150in./80mmX3.858in./98mm	8	2954CC (3.0L) JE06 SOHC	1988-1989	3.543in./90mmX3.031in./77mm	26
1985CC (2.0L) VA	1971-1979	3.228in./82mmX3.701in./94mm	9	2954CC (3.0L) JE07 SOHC	1988-1989	3.543in./90mmX3.031in./77mm	26
1989CC (2.0L) Zetec/DOHC/16 Valve Ford	2001-2003	3.399in./84.8mmX3.461in./87.9mm	10	2954CC (3.0L) JE27 DOHC	1990-1991	3.543in./90mmX3.031in./77mm	27
1991CC (2.0L) FS-ZE DOHC	1993-2002	3.268in./83mmX3.622in./92mm	11	2954CC (3.0L) JE39 SOHC	1990-1991	3.543in./90mmX3.031in./77mm	26
1998CC (2.0L) FE SOHC	1983-1987	3.386in./86mmX3.386in./86mm	12	2954CC (3.0L) JE48 DOHC	1992-1995	3.543in./90mmX3.031in./77mm	27
1998CC (2.0L) FE SOHC Turbocharged	1986-1987	3.386in./86mmX3.386in./86mm	12	4016CC (4.0L) OHV Ford	1991-2000	3.953in./100.4mmX3.318in./84.3mm	28
1998CC (2.0L) RF SOHC Diesel	1984-1985	3.386in./86mmX3.386in./86mm	13	4016CC (4.0L) SOHC Ford	2001	3.953in./100.4mmX3.318in./84.3mm	29
2184CC (2.2L) F2 SOHC	1987-1993	3.386in./86mmX3.701in./94mm	12				
2184CC (2.2L) F2 SOHC Turbocharged	1988-1992	3.386in./86mmX3.701in./94mm	14				
2209CC (2.2L) S2 OHV Diesel	1982-1984	3.504in./89mmX3.504in./89mm	15				
138 CID/2256CC (2.3L) Duratec 23 DOHC Ford	2005	3.440in./87.4mmX3.700in./94mm	16				
MODEL DATA							
Model	Engine	Years	Block	Model	Engine	Years	Block
323	1597CC (1.6L) B6B SOHC 8 Valve Non-Turbo	1986-1995	7	929	2954CC (3.0L) JE39 SOHC	1990-1991	26
323	1597CC (1.6L) B6E DOHC 16 Valve Turbo	1988-1989	7	929	2954CC (3.0L) JE48 DOHC	1992-1995	27
323	1597CC (1.6L) B6 SOHC 16 Valve	1992-1995	7	1200	1169CC (1.2L) OHV	1968-1979	1
				1300	1272CC (1.3L) TC SOHC	1975-1979	2
					1985CC (2.0L) VA		9
616	1586CC (1.6L) NA SOHC	1970-1972	6		988CC (1.0L) PB	1967-1983	1
618	1796CC (1.8L) VB SOHC	1972-1973	8		2977CC (3.0L) HA Diesel	1977-1990	21
626	1970CC (2.0L) MA SOHC	1979-1982	8	B1600	3455CC (3.5L) SA Diesel	1984-1990	21
626	1991CC (2.0L) FS-ZE DOHC	1993-2002	11		1586CC (1.6L) NA SOHC	1972-1976	6
626	1998CC (2.0L) FE SOHC	1983-1987	12	B1800	1796CC (1.8L) VB SOHC	1977-1978	8
626	1998CC (2.0L) RF SOHC Diesel	1984-1985	13	B2000	1970CC (2.0L) MA SOHC	1979-1984	8
626	1998CC (2.0L) FE SOHC	1986-1987	12	B2000	1998CC (2.0L) FE SOHC	1986-1987	12
626	2184CC (2.2L) F2 SOHC	1988-1992	12	B2200	2184CC (2.2L) F2 SOHC	1987-1993	12
626	2184CC (2.2L) F2 SOHC	1988-1991	14	B2200	2209CC (2.2L) S2 OHV Diesel	1982-1984	15
626	2497CC (2.5L) KL-ZE DOHC	1993-2002	23	B2300	140 CID (2.3L) SOHC Ford	1994-1997	17
808	1272CC (1.3L) TC SOHC	1976-1977	2	B2500	153 CID (2.5L) SOHC Ford	1998-2001	18
808	1586CC (1.6L) NA SOHC	1972-1977	6	B2600	2555CC (2.6L) AM1 SOHC	1987-1988	19
929	2954CC (3.0L) JE06 SOHC	1988-1989	26	B2600	2606CC (2.6L) G6 SOHC	1989-1993	20
929	2954CC (3.0L) JE07 SOHC	1988-1989	26	B3000	183 CID (3.0L) OHV Ford	1994-2005	25
929	2954CC (3.0L) JE27 DOHC	1990-1991	27	B3000	183 CID (3.0L) FFV/OHV Ford	1999-2002	25

MAZDA (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
B4000	4016CC (4.0L) OHV Ford	1994-2000	28	Mazda6	2261CC (2.3L) DOHC 16 Valve VVT	2003-2005	16
B4000	4016CC (4.0L) SOHC Ford	2001-2005	29				
GLC	1272CC (1.3L) TC SOHC	1977-1978	2	Miata MX5	1597CC (1.6L) B6ZE DOHC 16 Valve	1990-1993	7
GLC	1415CC (1.4L) UC SOHC	1979-1980	3				
GLC	1490CC (1.5L) E5 SOHC	1981-1985	5	Miata MX5	1839CC (1.8L) DOHC (BP-ZE)	1994-1997	7
MPV	2606CC (2.6L) G6 SOHC	1989-1994	20	Millenia	2254CC (2.3L) KJ DOHC	1995-2002	23
MPV	2954CC (3.0L) JE SOHC	1989-1998	26	Millenia	2497CC (2.5L) KL-ZE DOHC	1995-2002	23
MX3	1597CC (1.6L) B6ZE DOHC 16 Valve	1994-1995	7	Navajo	4016CC (4.0L) OHV Ford	1991-1994	28
MX3	1597CC (1.6L) B6 SOHC 16 Valve	1992-1993	7	Protege	1489CC (1.5L) Z5-DE DOHC	1995-1998	4
MX3	1844CC (1.8L) K8D DOHC	1992-1994	22	Protege	1839CC (1.8L) SOHC (BPE)	1990-1995	7
MX6	1991CC (2.0L) FS-ZE DOHC	1993-1997	11	Protege	1839CC (1.8L) DOHC (BPD)	1990-1998	7
MX6	2184CC (2.2L) F2 SOHC	1988-1992	12	Protege	1991CC (2.0L) FS-ZE DOHC	2001-2003	11
MX6	2184CC (2.2L) F2 SOHC	1988-1992	14	Tribute	138 CID/2256CC (2.3L) Duratec 23 DOHC Ford	2005	16
MX6	2497CC (2.5L) KL-ZE DOHC	1993-1997	23	Tribute	181 CID/2967CC (3.0L) Duratec/DOHC/24 Valve Ford	2001-2004	24
Mazda3	2261CC (2.3L) DOHC 16 Valve VVT	2004-2005	16	Tribute	1989CC (2.0L) Zetec/DOHC/16 Valve Ford	2001-2004	10

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3703526	3.701in./94mm	8	3784000	3.701in./94mm	8	D42E-AA	3.125in./79.4mm	17
3703527	3.701in./94mm	8	3815281	3.701in./94mm	8	E6AE-AB	3.150in./80mm	25

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1.9	3.031in./77mm	27	1130	3.701in./94mm	8	A-6303	3.318in./84.3mm	28	E88E-AB	3.125in./79.4mm	17
1D	3.125in./79.4mm	17	1174N	3.031in./77mm	27	A-6303-A	3.318in./84.3mm	28	E88EAB	3.125in./79.4mm	17
2D	3.125in./79.4mm	17	1178	3.701in./94mm	8	AD	3.318in./84.3mm	28	E89E-AB	3.125in./79.4mm	17
003K	3.031in./77mm	27	2680	3.701in./94mm	8	AY	3.318in./84.3mm	28	E89EAB	3.125in./79.4mm	17
003N	3.031in./77mm	27	3279	3.701in./94mm	8	B3C7	3.268in./83mm	4	E501	3.150in./80mm	5
8F28	3.125in./79.4mm	17	3975	3.701in./94mm	8	B4A-6303-B	3.268in./83mm	4	F5AE-AA	3.150in./80mm	25
09N	3.031in./77mm	27	4577	3.701in./94mm	8	B4A-B	3.268in./83mm	4	F5DE	3.150in./80mm	25
10-B	3.031in./77mm	27	4672	3.701in./94mm	8	B5A-6303-B	3.268in./83mm	4	F58E	3.150in./80mm	25
11M	3.031in./77mm	27	8034	2.992in./76mm	2	B6S	3.307in./84mm	7	F58E-AA	3.150in./80mm	25
90-21-0	3.318in./84.3mm	28	8034	2.992in./76mm	3	B301	3.318in./84.3mm	28	F58E-B	3.150in./80mm	25
90TM-AA	3.318in./84.3mm	28	9166N	3.318in./84.3mm	28	B630	3.307in./84mm	7	FE01	3.858in./98mm	8
90TM-AB	3.318in./84.3mm	28	020201A1	3.031in./77mm	27	B657	3.307in./84mm	7	FE201	3.701in./94mm	12
91A-6303-A	3.318in./84.3mm	28	391101A	3.701in./94mm	8	B	3.268in./83mm	6	FE201	3.701in./94mm	14
91A-6303-B	3.318in./84.3mm	28	3911000	3.701in./94mm	8	D	3.125in./79.4mm	17	FE-01	3.386in./86mm	12
91H-6303-B	3.318in./84.3mm	28	3911001	3.701in./94mm	8	DCI	3.268in./83mm	6	FE-50	3.858in./98mm	8
91K	3.318in./84.3mm	28	3911011	3.701in./94mm	8	DOHC	3.307in./84mm	7	FE-50	3.386in./86mm	12
91TM-AA	3.318in./84.3mm	28	3914681	3.701in./94mm	8	E2ZE-BA	3.125in./79.4mm	17	FS07	3.622in./92mm	11
96TM-AA	3.318in./84.3mm	28	3914682	3.701in./94mm	8	E6AE-A	3.150in./80mm	25	JE	3.031in./77mm	27
97TM-	3.318in./84.3mm	28	3930809	3.701in./94mm	8	E6AE-AH	3.150in./80mm	25	JE	3.031in./77mm	26
0290	3.701in./94mm	8	3941172	3.701in./94mm	8	E6AE-B	3.150in./80mm	25	K	3.268in./83mm	6
305	3.268in./83mm	6	3941174	3.701in./94mm	8	E6AE-C	3.150in./80mm	25	KL	2.913in./74mm	23
0324	2.992in./76mm	2	A1D	3.318in./84.3mm	28	E6AE-W	3.150in./80mm	25	RFE 6AE	3.150in./80mm	25
0324	2.992in./76mm	3	A301	3.318in./84.3mm	28	E8EEAB	3.125in./79.4mm	17	XBRO-1145	3.125in./79.4mm	17

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	988CC (1.0L) PB 4 Cyl (1967-1983) 1169CC (1.2L) OHV 4 Cyl (1968-1974)			2.677in./68mm x 2.677in./68mm 2.756in./70mm x 2.992in./76mm				1
Rod Bearing(4)	AL-3	CB-1107G	STD.,.25mm.,.50mm	1.7693/1.7699	0.0011/0.0033	0.0595	1.8898/1.8904	0.7680
Main Bearing Set 1-2-4	TM-1	MS-1307P	STD.,.25mm.,.50mm	2.2023/2.2030	0.0007/0.0029	0.0595	2.3621/2.3630	0.7680
3-5		MB-1042P		2.2023/2.2030	0.0007/0.0029	0.0595	2.3621/2.3630	0.7680
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-275S								
Thrust Washer Set		TW-275S	STD	2.4409			3.0709	0.0790
		MB-1044W(L)		2.4409			3.0709	0.0790
		MB-1044W(U)						
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1307P								

MAZDA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
1 (Cont.)	988CC (1.0L) PB 4 Cyl (1967-1983)			2.677in./68mm x 2.677in./68mm				1
	1169CC (1.2L) OHV 4 Cyl (1968-1974)			2.756in./70mm x 2.992in./76mm				(Cont.)
Connecting Rod	28 To 32 Lbs.Ft.							
Main Bearing	43 To 47 Lbs.Ft.							
2	1272CC (1.3L) TC SOHC 4 Cyl (1976-1978)			2.874in./73mm x 2.992in./76mm				2
Rod Bearing(4) NOTE: 1976-1977	AL-3	CB-1107G	STD, .25mm, .50mm	1.7693/1.7699	0.0011/0.0033	0.0595	1.8898/1.8904	0.7680
Rod Bearing(4) NOTE: 1978	TM-1	CB-1279AL	STD, .25mm, .50mm, .75mm, 1.00mm	1.5724/1.5730	0.0010/0.0031	0.0596	1.6929/1.6935	0.6740
Main Bearing Set 1-2-4 3-5 NOTE: 1976-1977, Requires Thrust Washer Set, Not Included, Use With Part Number TW-352S	TM-1	MS-1458G MB-2761G MB-2962G	STD, .25mm, .50mm	2.4779/2.4785 2.4779/2.4785	0.0014/0.0036 0.0014/0.0036	0.0791 0.0791	2.6378/2.6385 2.6378/2.6385	0.7870 0.9060
Main Bearing Set 1-2-3-4-5 NOTE: 1978, Requires Thrust Washer Set, Not Included, Use With Part Number TW-370S	AL-3	MS-1560AL MB-2870AL	STD, .25mm, .50mm	1.9661/1.9667	0.0010/0.0031	0.0793	2.1260/2.1265	0.7530
Thrust Washer Set NOTE: 1976-1977, Contains 4 Pieces, Position Number 5, Use With Part Number MS-1458G		TW-352S MB-2762W(L) MB-2762W(U)	STD	2.7560/2.7760 2.7560/2.7760			3.1300/3.1500 3.1300/3.1500	0.0790 0.0790
Thrust Washer Set NOTE: 1978, Contains 4 Pieces, Position Number 5, Use With Part Number MS-1560AL		TW-370S MB-2870W(L) MB-2870W(U)	STD	2.2440/2.2559 2.2440/2.2559			2.7047/2.7165 2.7047/2.7165	0.0790 0.0790
C/S Forging 0324, 8034								
Connecting Rod	22 To 25 Lbs.Ft.							
Main Bearing	48 To 51 Lbs.Ft.							
3	1415CC (1.4L) UC SOHC 4 Cyl (1979-1980)			3.031in./77mm x 2.992in./76mm				3
Rod Bearing(4)	TM-1	CB-1279AL	STD, .25mm, .50mm, .75mm, 1.00mm	1.5724/1.5730	0.0010/0.0031	0.0596	1.6929/1.6935	0.6740
Main Bearing Set 1-2-3-4-5 NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-370S	AL-3	MS-1560AL MB-2870AL	STD, .25mm, .50mm	1.9661/1.9667	0.0010/0.0031	0.0793	2.1260/2.1265	0.7530
Thrust Washer Set NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1560AL		TW-370S MB-2870W(L) MB-2870W(U)	STD	2.2440/2.2559 2.2440/2.2559			2.7047/2.7165 2.7047/2.7165	0.0790 0.0790
C/S Forging 0324, 8034								
Connecting Rod	22 To 25 Lbs.Ft.							
Main Bearing	48 To 51 Lbs.Ft.							
4	1489CC (1.5L) Z5-DE DOHC 4 Cyl (1995-1998)			2.965in./75.3mm x 3.268in./83mm				4
Rod Bearing(4)	AL-3	CB-1279AL	STD, .25mm, .50mm, .75mm, 1.00mm	1.5724/1.5730	0.0010/0.0031	0.0596	1.6929/1.6935	0.6740
Main Bearing Set 1-2-3-4-5 NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-472S	AL-3	MS-1802AL MB-3173AL	STD, .25mm, .50mm, .75mm	1.9661/1.9668	0.0009/0.0017	0.0792	2.1260/2.1267	0.6890
Thrust Washer Set NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1802AL		TW-472S MB-3173W	STD	2.2539			2.7165	0.1000
C/S Forging B3C7, B4A-B, B4A-6303-B, B5A-6303-B								
Connecting Rod	22 To 25 Lbs.Ft.							
Main Bearing	40 To 43 Lbs.Ft.							
5	1490CC (1.5L) E5 SOHC 4 Cyl (1981-1985)			3.031in./77mm x 3.150in./80mm				5
Rod Bearing(4)	TM-1	CB-1279AL	STD, .25mm, .50mm, .75mm, 1.00mm	1.5724/1.5730	0.0010/0.0031	0.0596	1.6929/1.6935	0.6740
Main Bearing Set 1-2-3-4-5 NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-370S	AL-3	MS-1560AL MB-2870AL	STD, .25mm, .50mm	1.9661/1.9667	0.0010/0.0031	0.0793	2.1260/2.1265	0.7530

MAZDA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
5 (Cont.)	1490CC (1.5L) E5 SOHC 4 Cyl (1981-1985)			3.031in./77mm x 3.150in./80mm				5 (Cont.)
Thrust Washer Set		TW-370S MB-2870W(L) MB-2870W(U)	STD	2.2440/2.2559 2.2440/2.2559			2.7047/2.7165 2.7047/2.7165	0.0790 0.0790
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1560AL								
Piston Pin Bushing(4)	C-1	223-3581	STD			0.0604	0.9850	1.1030
NOTE: 1981-1982, Requires Boring								
C/S Forging E501								
Connecting Rod 22 To 25 Lbs.Ft. Main Bearing 48 To 51 Lbs.Ft.								
6	1586CC (1.6L) NA SOHC 4 Cyl (1970-1977)			3.071in./78mm x 3.268in./83mm				6
Rod Bearing(4)	AL-3	CB-1250AL	STD,.25mm,.50mm,.75mm	2.0842/2.0848	0.0017/0.0039	0.0594	2.2048/2.2054	0.8240
Main Bearing Set 1-2-4	AL-3	MS-1427AL	STD,.25mm,.50mm,.75mm,1.00mm	2.4779/2.4785	0.0010/0.0034	0.0793	2.6378/2.6385	0.7140
3		MB-1073AL		2.4779/2.4785	0.0010/0.0034	0.0793	2.6378/2.6385	0.9500
5		MB-2745AL		2.4779/2.4785	0.0010/0.0034	0.0793	2.6378/2.6385	0.9500
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-231S								
Thrust Washer Set		TW-231S MB-649W(L) MB-649W(U)	STD	2.7560/2.7760 2.7560/2.7760			3.3660/3.3860 3.3660/3.3860	0.0800 0.0800
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1427AL								
Cam Bearing Set 1	B-1	SH-1066S	STD	1.7695/1.7701	0.0007/0.0039	0.0793	1.9295/1.9305	0.9500
2-3		SH-1066		1.7695/1.7701	0.0007/0.0039	0.0793	1.9295/1.9305	0.7140
Piston Pin Bushing(4)	C-1	223-3581	STD			0.0604	0.9850	1.1030
NOTE: 1972-1977, Requires Boring								
C/S Forging B, K, 305, DCI								
Connecting Rod 31 Lbs.Ft. Main Bearing 63 Lbs.Ft.								
7	1597CC (1.6L) B6 SOHC 16 Valve 4 Cyl (1992-1993) 1597CC (1.6L) B6B SOHC 8 Valve Non-Turbo 4 Cyl (1986-1994) 1597CC (1.6L) B6E DOHC 16 Valve Turbo Turbocharged 4 Cyl (1988-1989) 1597CC (1.6L) B6ZE DOHC 16 Valve 4 Cyl (1990-1995) 1839CC (1.8L) DOHC (BP-ZE) 4 Cyl (1994-1997) 1839CC (1.8L) DOHC (BPD) 4 Cyl (1990-1997) 1839CC (1.8L) SOHC (BPE) 4 Cyl (1990-1994)			3.071in./78mm x 3.307in./84mm 3.071in./78mm x 3.307in./84mm 3.071in./78mm x 3.307in./84mm 3.071in./78mm x 3.307in./84mm 3.268in./83mm x 3.346in./85mm 3.268in./83mm x 3.346in./85mm 3.268in./83mm x 3.346in./85mm				7
Rod Bearing(4)	AL-3	CB-1453AL	STD,.25mm,.50mm,.75mm	1.7693/1.7699	0.0011/0.0027	0.0594	1.8898/1.8904	0.6740
Main Bearing Set 1-2-3-4-5	AL-3	MS-1802AL	STD,.25mm,.50mm,.75mm	1.9661/1.9668	0.0009/0.0017	0.0792	2.1260/2.1267	0.6890
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-472S								
Thrust Washer Set		TW-472S MB-3173W	STD	2.2539			2.7165	0.1000
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1802AL								
C/S Forging B6S, B630, B657, DOHC								
Connecting Rod 35 To 38 Lbs.Ft. (1597CC (1.6L) B6 SOHC 16 Valve,1597CC (1.6L) B6B SOHC 8 Valve Non-Turbo,1839CC (1.8L) SOHC (BPE)) Connecting Rod 37 To 40 Lbs.Ft. (1597CC (1.6L) B6E DOHC 16 Valve Turbo,1597CC (1.6L) B6ZE DOHC 16 Valve,1839CC (1.8L) DOHC (BPD)) Main Bearing 40 To 43 Lbs.Ft.								
8	1796CC (1.8L) VB SOHC 4 Cyl (1972-1978) 1970CC (2.0L) MA SOHC 4 Cyl (1979-1984)			3.071in./78mm x 3.701in./94mm 3.150in./80mm x 3.858in./98mm				8
Rod Bearing(4)	AL-3	CB-1110P	STD,.25mm,.50mm,.75mm,1.00mm	2.0842/2.0848	0.0014/0.0036	0.0596	2.2049/2.2055	0.8710
NOTE: 1796CC (1.8L) VB SOHC (1977-1978;1972-1973),1970CC (2.0L) MA SOHC (1979-1984)								

MAZDA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
8 (Cont.)	1796CC (1.8L) VB SOHC 4 Cyl (1972-1978) 1970CC (2.0L) MA SOHC 4 Cyl (1979-1984)			3.071in./78mm x 3.701in./94mm 3.150in./80mm x 3.858in./98mm				8 (Cont.)
Main Bearing Set 1-2-4 3 5	AL-3	MS-1427AL MB-1072AL MB-1073AL MB-2745AL	STD.,.25mm,.50mm,.75mm,1.00mm	2.4779/2.4785 2.4779/2.4785 2.4779/2.4785	0.0010/0.0034 0.0010/0.0034 0.0010/0.0034	0.0793 0.0793 0.0793	2.6378/2.6385 2.6378/2.6385 2.6378/2.6385	0.7140 0.9500 0.9500
NOTE: 1796CC (1.8L) VB SOHC (1977-1978;1972-1973),1970CC (2.0L) MA SOHC (1979-1984), Requires Thrust Washer Set, Not Included, Use With Part Number TW-231S								
Thrust Washer Set		TW-231S MB-649W(L) MB-649W(U)	STD	2.7560/2.7760 2.7560/2.7760			3.3660/3.3860 3.3660/3.3860	0.0800 0.0800
NOTE: 1796CC (1.8L) VB SOHC (1977-1978;1972-1973),1970CC (2.0L) MA SOHC (1979-1984), Contains 4 Pieces, Position Number 5, Use With Part Number MS-1427AL								
Cam Bearing Set 1 2-3	B-1	SH-1066S SH-1066 SH-1067	STD	1.7695/1.7701 1.7695/1.7701	0.0007/0.0039 0.0007/0.0039	0.0793 0.0793	1.9295/1.9305 1.9295/1.9305	0.9500 0.7140
NOTE: 1796CC (1.8L) VB SOHC (1977-1978;1972-1973),1970CC (2.0L) MA SOHC (1979-1984)								
Piston Pin Bushing(4)	C-1	223-3581	STD			0.0604	0.9850	1.1030
NOTE: 1796CC (1.8L) VB SOHC (1977-1978;1972-1973),1970CC (2.0L) MA SOHC (1979-1982), Requires Boring								
Rod Forging C/S Forging	3703526, 3703527, 3784000, 3815281 0290, 1130, 1178, 2680, 3279, 3975, 4577, 4672, FE01, FE-50, 3911000, 3911001, 3911011, 391101A, 3914681, 3914682, 3930809, 3941172, 3941174							
Connecting Rod Main Bearing Main Bearing	31 Lbs.Ft. 60 Lbs.Ft. (1796CC (1.8L) VB SOHC) 63 Lbs.Ft. (1970CC (2.0L) MA SOHC)							
9	1985CC (2.0L) VA 4 Cyl (1971-1979)			3.228in./82mm x 3.701in./94mm				9
Rod Bearing(4)	AL-3	CB-1250AL	STD.,.25mm,.50mm,.75mm	2.0842/2.0848	0.0017/0.0039	0.0594	2.2048/2.2054	0.8240
Main Bearing Set 1 2 3	AL-3	MS-1509P MB-2825P MB-2826P(F) MB-2827P	STD.,.25mm,.50mm,.75mm	2.4779/2.4785 2.4779/2.4785 2.4779/2.4785	0.0014/0.0029 0.0014/0.0029 0.0014/0.0029	0.0790 0.0790 0.0790	2.6378/2.6386 2.6378/2.6386 2.6378/2.6386	0.8650 1.4180 1.1810
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm And 1.00mm Undersize Sets Contains .25mm Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3	AL-3	SH-1131S SH-1131 SH-1132 SH-914	STD	1.9675/1.9681 1.9281/1.9287 1.7706/1.7713	0.0004/0.0033 0.0004/0.0033 0.0004/0.0033	0.0593 0.0593 0.0593	2.0870/2.0878 2.0476/2.0484 1.8901/1.8909	0.9840 1.1020 0.9840
Piston Pin Bushing(4)	C-1	223-3581	STD			0.0604	0.9850	1.1030
NOTE: Requires Boring								
Connecting Rod Main Bearing	35 To 38 Lbs.Ft. 61 To 65 Lbs.Ft.							
10	1989CC (2.0L) Zetec/DOHC/16 Valve Ford 4 Cyl (2001-2003)			3.339in./84.8mm x 3.461in./87.9mm				10
Rod Bearing(4)	TM-77	CB-1774P	STD.,.25mm,.50mm,.75mm	1.8461/1.8468	0.0008/0.0017	0.0585	1.9642/1.9650	0.8020
Rod Bearing(4)	TM-77	CB-1793P-.25mm	.50mm,.75mm	1.8461/1.8468	0.0008/0.0017	0.0595	1.9662/1.9670	0.8020
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	TM-77	MS-2208P MB-3753P MB-3754P(F)	STD.,.25mm,.50mm,.75mm	2.2827/2.2834 2.2827/2.2834	0.0003/0.0016 0.0007/0.0030	0.0842 0.0842	2.4522/2.4528 2.4522/2.4528	0.7710 0.9730
11	1991CC (2.0L) FS-ZE DOHC 4 Cyl (1993-2002)			3.268in./83mm x 3.622in./92mm				11
Rod Bearing(4)	TM-1	CB-1652P	STD.,.25mm,.50mm	1.8874/1.8880	0.0009/0.0020	0.0596	2.0079/2.0085	0.6744
Main Bearing Set 1-2-3-4-5	TM-1	MS-2057AL MB-3544AL	STD.,.25mm,.50mm	2.2022/2.2030	0.0008/0.0022	0.0791	2.3622/2.3628	0.6940
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-596S								

MAZDA (Cont.)

COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
11 (Cont.)	1991CC (2.0L) FS-ZE DOHC 4 Cyl (1993-2002)				3.268in./83mm x 3.622in./92mm				11 (Cont.)
Thrust Washer Set		TW-596S MB-3544W	STD	2.4507		0.1003	3.2283		
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-2057AL									
C/S Forging FS07									
Connecting Rod	16 To 19 Lbs.Ft. Plus 90 Degrees								
Main Bearing	13 to 16 Lbs.Ft. Plus 90 Degrees								
12	1998CC (2.0L) FE SOHC 4 Cyl (1983-1987)				3.386in./86mm x 3.386in./86mm				12
	1998CC (2.0L) FE SOHC Turbocharged 4 Cyl (1986-1987)				3.386in./86mm x 3.386in./86mm				
	2184CC (2.2L) F2 SOHC 4 Cyl (1987-1993)				3.386in./86mm x 3.701in./94mm				
Rod Bearing(4)	AL-3	CB-1362AL	STD,.25mm,.50mm,.75mm	2.0055/2.0061	0.0012/0.0026	0.0594	2.1261/2.1267	0.8320	
Main Bearing Set	AL-3	MS-1639AL-.25mm	.50mm,.75mm	2.3597/2.3604	0.0007/0.0030	0.0793	2.5197/2.5203	0.7530	
1-2-4-5		MB-2999AL		2.3597/2.3604	0.0007/0.0030	0.0793	2.5197/2.5203	1.1020	
3		MB-300AL(F)							
NOTE: 1998CC (2.0L) FE SOHC (1983-1987), 1998CC (2.0L) FE SOHC (1986-1987), 2184CC (2.2L) F2 SOHC (1987), .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing, Full Grooved Main Bearings									
Main Bearing Set	AL-3	MS-1803AL	STD,.25mm,.50mm,.75mm	2.3597/2.3604	0.0007/0.0030	0.0793	2.5197/2.5203	0.7530	
1-2-4-5		MB-3174AL		2.3597/2.3604	0.0007/0.0030	0.0793	2.5197/2.5203	1.1020	
3		MB-3175AL(F)							
NOTE: 1998CC (2.0L) FE SOHC (1987;1987), 2184CC (2.2L) F2 SOHC (1987-1993), .25mm Undersize Sets Contain .10mm Oversize Length Flanged Bearing,.50mm Undersize Set Contains .18mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .26mm Oversize Length Flanged Bearing, Contains Partial Grooved Main Bearings									
Main Bearing Set	TM-1	MS-2046P	STD,.25mm,.50mm,.75mm	2.3597/2.3604	0.0007/0.0030	0.0793	2.5197/2.5203	0.7530	
1-2-4-5		MB-2999P		2.3597/2.3604	0.0007/0.0030	0.0793	2.5197/2.5203	1.1020	
3		MB-3523P(F)							
NOTE: 1998CC (2.0L) FE SOHC (1983-1987), 1998CC (2.0L) FE SOHC (1986-1987), 2184CC (2.2L) F2 SOHC (1987), All Sizes Contain Standard Length Flanged Bearing, Full Grooved Main Bearings									
C/S Forging FE-01, FE-50, FE201									
Connecting Rod	37 To 41 Lbs.Ft. (1998CC (2.0L) FE SOHC, 1998CC (2.0L) FE SOHC)								
Connecting Rod	48 To 51 Lbs.Ft. (2184CC (2.2L) F2 SOHC)								
Main Bearing	61 To 65 Lbs.Ft. (2184CC (2.2L) F2 SOHC)								
Main Bearing	61 To 68 Lbs.Ft. (1998CC (2.0L) FE SOHC, 1998CC (2.0L) FE SOHC)								
13	1998CC (2.0L) RF SOHC Diesel 4 Cyl (1984-1985)				3.386in./86mm x 3.386in./86mm				13
Rod Bearing(4)	AL-3	CB-1362AL	STD,.25mm,.50mm,.75mm	2.0055/2.0061	0.0012/0.0026	0.0594	2.1261/2.1267	0.8320	
Main Bearing Set	AL-3	MS-1780AL	STD,.25mm,.50mm,.75mm	2.3598/2.3605	0.0012/0.0020	0.0793	2.5198/2.5204	0.7480	
1-2-4-5		MB-3168AL		2.3598/2.3605	0.0012/0.0020	0.0793	2.5198/2.5204	0.8270	
3		MB-3169AL							
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-464S									
Thrust Washer Set		TW-464S	STD	2.7185			3.3228	0.0810	
		MB-3169W(L)		2.7185			3.3228	0.0810	
		MB-3169W(U)							
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1780AL									
Connecting Rod	51 To 54 Lbs.Ft.								
Main Bearing	61 To 65 Lbs.Ft.								
14	2184CC (2.2L) F2 SOHC Turbocharged 4 Cyl (1988-1992)				3.386in./86mm x 3.701in./94mm				14
Rod Bearing(4)	AL-3	CB-1362AL	STD,.25mm,.50mm,.75mm	2.0055/2.0061	0.0012/0.0026	0.0594	2.1261/2.1267	0.8320	
Main Bearing Set	AL-3	MS-1803AL	STD,.25mm,.50mm,.75mm	2.3597/2.3604	0.0007/0.0030	0.0793	2.5197/2.5203	0.7530	
1-2-4-5		MB-3174AL		2.3597/2.3604	0.0007/0.0030	0.0793	2.5197/2.5203	1.1020	
3		MB-3175AL(F)							
NOTE: .25mm Undersize Sets Contain .10mm Oversize Length Flanged Bearing,.50mm Undersize Set Contains .18mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .26mm Oversize Length Flanged Bearing, Contains Partial Grooved Main Bearings									
C/S Forging FE201									
Connecting Rod	48 To 51 Lbs.Ft.								
Main Bearing	61 To 65 Lbs.Ft.								

MAZDA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
15	2209CC (2.2L) S2 OHV Diesel 4 Cyl (1982-1984)			3.504in./89mm x 3.504in./89mm				15
Rod Bearing(4)	TM-1	CB-1441P	STD, .25mm, .50mm	2.0866/2.0874	0.0014/0.0035	0.0720	2.2321/2.2326	1.1280
Main Bearing Set 1-2-4-5 3	TM-1	MS-1778P MB-3170P MB-3171P	STD, .25mm	2.5587/2.5593 2.5587/2.5593	0.0016/0.0041 0.0016/0.0041	0.0780 0.0780	2.7165/2.7176 2.7165/2.7176	1.1300 1.1300
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-461S								
Thrust Washer Set		TW-461S MB-3171W(L) MB-3171W(U)	STD	2.8937 2.8937			3.5551 3.5551	0.0915 0.0915
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1778P								
Connecting Rod	50 To 54 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
16	138 CID/2256CC (2.3L) Duratec 23 DOHC Ford 4 Cyl (2005) 2261CC (2.3L) DOHC 16 Valve VVT 4 Cyl (2003-2005)			3.440in./87.4mm x 3.700in./94mm 3.444in./87.5mm x 3.701in./94mm				16
Rod Bearing(4)	AL-5	CB-1838AL	STD, .25mm, .50mm	1.9677/1.9685	0.0010/0.0020	0.0598	2.0875/2.0883	0.6653
Rod Bearing(4)	AL-5	CB-1839AL-.25mm	.50mm	1.9677/1.9685	0.0010/0.0020	0.0608	2.0895/2.0903	0.6653
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	AL-5	MS-2245AL MB-3822AL MB-3823AL(F)	STD, .25mm, .50mm	2.0464/2.0472 2.0464/2.0472	0.0006/0.0018 0.0006/0.0018		2.2448/2.2455 2.2448/2.2455	0.7519 1.0140
17	140 CID (2.3L) SOHC Ford 4 Cyl (1994-1997)			3.780in./96mm x 3.125in./79.4mm				17
Rod Bearing(4)	TM-77	CB-984P	STD, .026mm, .25mm, .50mm, .75mm, 1.00mm	2.0465/2.0472	0.0005/0.0030	0.0624	2.1720/2.1728	0.8000
Main Bearing Set 1-2-4-5 3	TM-77	MS-1743P MB-3137P MB-3130P(F)	STD, .25mm, .50mm, .75mm	2.2051/2.2059 2.2051/2.2059	0.0008/0.0026 0.0008/0.0026	0.0956 0.0956	2.3971/2.3979 2.3971/2.3979	0.9500 1.1940
Cam Bearing Set 1-2-3-4	AL-3	SH-777S SH-777	STD	1.7712/1.7720	0.0010/0.0048	0.0638	1.9006/1.9016	0.7030
Aux. Shaft Bearing Set	B-1	SH-1095S	STD					
Front		SH-1095		1.6522/1.6530	0.0007/0.0047	0.0717	1.7968/1.7980	0.5100
Rear		SH-1096		1.6522/1.6530	0.0007/0.0047	0.0619	1.7772/1.7783	0.5100
Rod Forging	D42E-AA							
C/S Forging	D, 1D, 2D, 8F28, E88EAB, E89EAB, E8EEAB, E2ZE-BA, E88E-AB, E89E-AB, XBRO-1145							
Connecting Rod	30 To 36 Lbs.Ft.							
Main Bearing	80 To 90 Lbs.Ft.							
18	153 CID (2.5L) SOHC Ford 4 Cyl (1998-2001)			3.780in./96mm x 3.397in./86.3mm				18
Rod Bearing(4)	TM-77	CB-984P	STD, .026mm, .25mm, .50mm, .75mm, 1.00mm	2.0465/2.0472	0.0005/0.0030	0.0624	2.1720/2.1728	0.8000
Main Bearing Set 1-2-4-5 3	TM-77	MS-1743P MB-3137P MB-3130P(F)	STD, .25mm, .50mm, .75mm	2.2051/2.2059 2.2051/2.2059	0.0008/0.0026 0.0008/0.0026	0.0956 0.0956	2.3971/2.3979 2.3971/2.3979	0.9500 1.1940
Cam Bearing Set 1-2-3-4	AL-3	SH-777S SH-777	STD	1.7712/1.7720	0.0010/0.0048	0.0638	1.9006/1.9016	0.7030
19	2555CC (2.6L) AM1 SOHC 4 Cyl (1987-1988)			3.587in./91.1mm x 3.858in./98mm				19
Rod Bearing(4)	AL-3	CB-1220P	STD, .25mm, .50mm, .75mm, 1.00mm	2.0858/2.0866	0.0005/0.0028	0.0590	2.2047/2.2055	0.9840
Main Bearing Set 1-2-4-5 3	AL-3	MS-1945AL MB-3053AL MB-3339AL(F)	STD, .25mm, .50mm, .75mm	2.3614/2.3622 2.3614/2.3622	0.0011/0.0037 0.0011/0.0037	0.0783 0.0783	2.5197/2.5205 2.5197/2.5205	0.9890 1.2190
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Aux. Shaft Bearing Set	AL-3	SH-1429S	STD, .25mm					
Left Front		SH-1760		0.9039/0.9047	0.0008/0.0034	0.0593	1.0236/1.0244	0.7090
Left/Right Rear		SH-1429		1.6933/1.6939	0.0013/0.0037	0.0585	1.8122/1.8130	0.7950
NOTE: Left Front Bushing Only Available In Std Size Even In Undersize Set Due To Small Shaft Diameter, Requires Boring The Left Front Balance Shaft Housing To 1.0236"/1.0244" Outside Diameter								
Connecting Rod	33 To 34 Lbs.Ft.							
Main Bearing	55 To 61 Lbs.Ft.							

MAZDA (Cont.)

MAZDA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
20	2606CC (2.6L) G6 SOHC 4 Cyl (1989-1994)			3.622in./92mm x 3.858in./98mm				20
Rod Bearing(4)	AL-3	CB-1455AL	STD.,25mm.,50mm.,75mm	2.0055/2.0061	0.0012/0.0026	0.0594	2.1261/2.1267	0.8320
Main Bearing Set 1-2-4-5	AL-3	MS-2035AL	STD.,25mm.,50mm	2.3598/2.3602	0.0010/0.0022		2.5197/2.5203	0.7930
3		MB-3502AL MB-3503AL(F)		2.3598/2.3602	0.0010/0.0022		2.5197/2.5203	1.0240
Balance Shaft Bearing Set	AL-3	SH-1793S	STD					
RH; LH Center		SH-1794		1.5748		0.0780	1.7323	1.0236
RH; LH Front		SH-1793		1.6535		0.0785	1.8110	0.9055
RH; LH Rear		SH-1795		0.8268		0.0583	0.9449	0.6299
Connecting Rod	48 To 51 Lbs.Ft.							
Main Bearing	61 To 65 Lbs.Ft.							
21	2977CC (3.0L) HA Diesel 4 Cyl (1977-1990) 3455CC (3.5L) SA Diesel 4 Cyl (1984-1990)			3.740in./95mm x 4.134in./105mm 3.937in./100mm x 4.330in./110mm				21
Rod Bearing(4)	TM-1	CB-1364P	STD.,25mm	2.4059/2.4065	0.0014/0.0035	0.0773	2.5522/2.5530	1.1220
Main Bearing Set 1-2-3-4-5	TM-1	MS-1640P MB-3004P	STD.,25mm	2.9846/2.9852	0.0022/0.0045	0.0828	3.1524/3.1532	1.1260
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-406S								
Thrust Washer Set		TW-406S	STD					
		MB-3004W(L) MB-3004W(U)		3.3268 3.3268			3.9921 3.9921	0.0920 0.0920
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1640P								
Connecting Rod	55 To 60 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
6 CYL								
22	1844CC (1.8L) K8D DOHC V6 Cyl (1992-1994)			2.953in./75mm x 2.740in./69.6mm				22
Rod Bearing(6)	TM-1	CB-1831P	STD.,25mm.,50mm	1.8872/1.8880	0.0008/0.0033	0.0595	2.0079/2.0085	0.6690
Main Bearing Set 1-2-3	TM-1	MS-2237P	STD.,25mm.,50mm	2.4382/2.4392	0.0013/0.0040	0.0986	2.6378/2.6384	0.7130
4		MB-3808P MB-3809P		2.4382/2.4392	0.0013/0.0040	0.0986	2.6378/2.6384	0.8710
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-616S								
Thrust Washer Set		TW-616S	STD					
4		MB-3810W		2.6870/2.6968			3.1398/3.1496	0.0810
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-2237P								
23	2254CC (2.3L) KJ DOHC Supercharged V6 Cyl (1995-2002) 2497CC (2.5L) KL-ZE DOHC V6 Cyl (1993-1998)			3.160in./80.3mm x 2.921in./74.2mm 3.327in./84.5mm x 2.913in./74mm				23
Rod Bearing(6)	TM-1	CB-1653P	STD.,25mm.,50mm	2.0843/2.0848	0.0009/0.0018	0.0595	2.2047/2.2053	0.6705
NOTE: 2254CC (2.3L) KJ DOHC (1995-1996),2497CC (2.5L) KL-ZE DOHC (1993-1998)								
Main Bearing Set 1-2-3	TM-1	MS-2058AL	STD.,25mm.,50mm	2.4382/2.4392	0.0015/0.0025	0.0980	2.6356/2.6367	0.7090
4		MB-3545AL MB-3546AL		2.4382/2.4392	0.0015/0.0025	0.0980	2.6356/2.6367	0.8600
NOTE: 2254CC (2.3L) KJ DOHC (1995-1996),2497CC (2.5L) KL-ZE DOHC (1993-1998), Requires Thrust Washer Set, Not Included, Use With Part Number TW-552S								
Thrust Washer Set		TW-552S	STD					
		MB-3347W		2.6870			3.1496	0.0810
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-2058AL								
C/S Forging KL								
24	181 CID/2967CC (3.0L) Duratec/DOHC/24 Valve Ford V6 Cyl (2001-2003)			3.504in./89mm x 3.130in./79.5mm				24
Rod Bearing(6)	TM-77	CB-1772P	STD.,25mm.,50mm.,75mm	1.9670/1.9680	0.0008/0.0034	0.0594	2.0872/2.0880	0.7080
Main Bearing Set 1-2-3	TM-77	MS-2207P	STD.,25mm.,50mm.,75mm	2.4790/2.4800	0.0003/0.0018	0.0987	2.6771/2.6779	0.7060
4		MB-3750P MB-3751P(F)		2.4790/2.4800	0.0003/0.0032	0.0984	2.6771/2.6780	0.8800
NOTE: Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 4 Position								
Piston Pin Bushing(6)	C-1	223-3651	STD	0.8280		0.1300	0.9510	0.8450
NOTE: Requires Light Reaming								

MAZDA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
25	183 CID (3.0L) FFV/OHV Ford Flex V6 Cyl (1999-2001)				3.504in./89mm x 3.150in./80mm			25
	183 CID (3.0L) OHV Ford V6 Cyl (1994-2003)				3.504in./89mm x 3.150in./80mm			
Rod Bearing(6)	TM-77	CB-1385P	STD,.25mm,.50mm,.75mm	2.1253/2.1261	0.0010/0.0027	0.0618	2.2500/2.2508	0.7630
Main Bearing Set	TM-77	MS-1702P	STD,.25mm,.50mm,.75mm					
1-2		MB-3093P		2.5190/2.5198	0.0010/0.0023	0.0962	2.7120/2.7128	0.7420
3		MB-3094P(F)		2.5190/2.5198	0.0010/0.0023	0.0962	2.7120/2.7128	1.0110
4		MB-3095P		2.5190/2.5198	0.0010/0.0023	0.0962	2.7120/2.7128	1.0690
Cam Bearing Set	B-1	SH-1789S	STD					
1		SH-1334		2.0074/2.0084	0.0010/0.0030	0.0713	2.1531/2.1541	0.9650
2-3		SH-1335		2.0074/2.0084	0.0010/0.0030	0.0614	2.1334/2.1344	0.5420
4		SH-1789		2.0074/2.0084	0.0010/0.0030	0.0713	2.1531/2.1541	0.5470
Rod Forging	E6AE-AB							
C/S Forging	F58E, F5DE, E6AE-A, E6AE-B, E6AE-C, E6AE-W, F58E-B, E6AE-AH, F58E-AA, F5AE-AA, RFE 6AE							
Connecting Rod	23 To 29 Lbs.Ft.							
Main Bearing	63 To 69 Lbs.Ft.							
26	2954CC (3.0L) JE SOHC V6 Cyl (1989-1998)				3.543in./90mm x 3.031in./77mm			26
	2954CC (3.0L) JE06 SOHC,JE07 SOHC V6 Cyl (1988-1989)				3.543in./90mm x 3.031in./77mm			
	2954CC (3.0L) JE39 SOHC V6 Cyl (1990-1991)				3.543in./90mm x 3.031in./77mm			
Rod Bearing(6)	AL-3	CB-1592AL	STD,.25mm,.50mm	2.0842/2.0848	0.0009/0.0033	0.0595	2.2047/2.2053	0.6690
Main Bearing Set	AL-3	MS-1952P	STD,.25mm,.50mm					
1-2-3-4		MB-3347P		2.4385/2.4392	0.0008/0.0032	0.0792	2.5986/2.5992	0.7090
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-552S								
Thrust Washer Set		TW-552S	STD					
		MB-3347W		2.6870			3.1496	0.0810
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1952P								
C/S Forging	JE							
Connecting Rod	22 Lbs.Ft. Plus 90 Degrees							
Main Bearing	14 Lbs.Ft.; Plus 90 Degrees; Plus 45 Degrees							
27	2954CC (3.0L) JE27 DOHC V6 Cyl (1990-1991)				3.543in./90mm x 3.031in./77mm			27
	2954CC (3.0L) JE48 DOHC V6 Cyl (1992-1995)				3.543in./90mm x 3.031in./77mm			
Rod Bearing(6)	TM-1	CB-1653P	STD,.25mm,.50mm	2.0843/2.0848	0.0009/0.0018	0.0595	2.2047/2.2053	0.6705
Main Bearing Set	AL-3	MS-1952P	STD,.25mm,.50mm					
1-2-3-4		MB-3347P		2.4385/2.4392	0.0008/0.0032	0.0792	2.5986/2.5992	0.7090
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-552S								
Thrust Washer Set		TW-552S	STD					
		MB-3347W		2.6870			3.1496	0.0810
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1952P								
C/S Forging	JE, 09N, 1.9, 11M, 003K, 003N, 10-B, 1174N, 020201A1							
Connecting Rod	22 Lbs.Ft. Plus 90 Degrees							
Main Bearing	14 Lbs.Ft.; Plus 90 Degrees; Plus 45 Degrees							
28	4016CC (4.0L) OHV Ford V6 Cyl (1991-2000)				3.953in./100.4mm x 3.318in./84.3mm			28
Rod Bearing(6)	TM-77	CB-723P	STD,10,20,30,40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490
Rod Bearing(6)	TM-77	CB-1795P-10	20,30,40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-3	MS-2006P	STD,10,20,30					
1-2-4		MB-3202P		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	0.8500
3		MB-3467P(F)		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	1.0350
Cam Bearing Set	B-1	SH-1441S	STD					
1		SH-1441		1.9516/1.9524	0.0010/0.0046	0.0617	2.0768/2.0784	0.7800
2		SH-1442		1.9374/1.9382	0.0008/0.0044	0.0614	2.0618/2.0634	0.7050
3		SH-1443		1.9224/1.9232	0.0008/0.0044	0.0614	2.0468/2.0484	0.7050
4		SH-1444		1.9071/1.9079	0.0010/0.0046	0.0615	2.0319/2.0335	0.5900
C/S Forging	AD, AY, 91K, A1D, A301, B301, 9166N, 97TM-, A-6303, 90-21-0, 90TM-AA, 90TM-AB, 91TM-AA, 96TM-AA, A-6303-A, 91A-6303-A, 91A-6303-B, 91H-6303-B							
Connecting Rod	18 To 24 Lbs.Ft.							
Main Bearing	66 To 77 Lbs.Ft.							
29	4016CC (4.0L) SOHC Ford V6 Cyl (2001)				3.953in./100.4mm x 3.318in./84.3mm			29
Rod Bearing(6)	TM-77	CB-723P	STD,10,20,30,40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490
Rod Bearing(6)	TM-77	CB-1795P-10	20,30,40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								

MAZDA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
29 (Cont.)	4016CC (4.0L) SOHC Ford V6 Cyl (2001)			3.953in./100.4mm x 3.318in./84.3mm				29 (Cont.)
Main Bearing Set	AL-3	MS-2006P	STD,10,20,30					
1-2-4		MB-3202P		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	0.8500
3		MB-3467P(F)		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	1.0350
Aux. Shaft Bearing Set	B-1	SH-1977S	STD					
Front		SH-1977				0.0610	1.8522	1.1420
Rear		SH-1978				0.0610	1.8072	0.9050
MERCEDES BENZ								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
4 CYL				5 CYL (Cont.)				
1988CC (2.0L) OM615 Diesel	1972-1978	3.425in./87mmX3.307in./84mm	1	3005CC (3.0L) Diesel	1975-1976	3.583in./91mmX3.622in./92mm	3	
2197CC (2.2L) 615.912 Diesel	1971-1973	3.425in./87mmX3.622in./92mm	1	3005CC (3.0L) Turbocharged Diesel	1975-1981	3.583in./91mmX3.622in./92mm	3	
2197CC (2.2L) OM615 Diesel	1968-1973	3.425in./87mmX3.622in./92mm	1	6 CYL				
2307CC (2.3L) 115.951	1974-1976	3.688in./93.7mmX3.307in./84mm	1	2746CC (2.7L)	1973-1981	3.386in./86mmX3.110in./79mm	4	
2307CC (2.3L) 115.954	1977-1978	3.688in./93.7mmX3.307in./84mm	1	2746CC (2.7L) 110.922	1975-1976	3.386in./86mmX3.110in./79mm	4	
2307CC (2.3L) M115	1974-1978	3.688in./93.7mmX3.307in./84mm	1	2746CC (2.7L) 110.984	1973-1981	3.386in./86mmX3.110in./79mm	4	
2399CC (2.4L) 616.912 Diesel	1979-1983	3.580in./90.9mmX3.622in./92mm	2	2746CC (2.7L) 110.985	1977-1980	3.386in./86mmX3.110in./79mm	4	
2404CC (2.4L) 616.912 Diesel	1976-1978	3.583in./91mmX3.622in./92mm	1	346 CID/5675CC (5.7L) OM352 Diesel	1965-1990	3.819in./97mmX5.039in./128mm	5	
5 CYL				5675CC (5.7L) OM352A Turbocharged Diesel	1971-1976	3.819in./97mmX5.039in./128mm	5	
2998CC (3.0L) Diesel	1974-1978	3.583in./91mmX3.622in./92mm	3					
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
3.0	2998CC (3.0L) Diesel	1974-1981	3	280CE	2746CC (2.7L) 110.984	1978-1981	4	
3.0	3005CC (3.0L) Diesel	1974-1981	3	280E	2746CC (2.7L) 110.984	1973-1982	4	
200	1988CC (2.0L) OM615 Diesel	1967-1978	1	280S	2746CC (2.7L) 110.922	1975-1976	4	
220D	2197CC (2.2L) 615.912 Diesel	1971-1973	1	280S	2746CC (2.7L)	1973-1982	4	
220D	2197CC (2.2L) OM615 Diesel	1968-1978	1	280SE	2746CC (2.7L) 110.985	1977-1980	4	
230	2307CC (2.3L) 115.954	1977-1979	1	280SE	2746CC (2.7L)	1973-1982	4	
230	2307CC (2.3L) M115	1973-1980	1	300CD	2998CC (3.0L) Diesel	1974-1981	3	
230	2307CC (2.3L) 115.951	1974-1976	1	300CD	3005CC (3.0L) Diesel	1974-1981	3	
240D	2399CC (2.4L) 616.912 Diesel	1979-1983	2	300D	2998CC (3.0L) Diesel	1974-1981	3	
240D	2404CC (2.4L) 616.912 Diesel	1976-1978	1	300D	3005CC (3.0L) Diesel	1974-1981	3	
240D	2998CC (3.0L) Diesel	1974-1981	3	300D	3005CC (3.0L) Diesel	1975-1976	3	
240D	3005CC (3.0L) Diesel	1974-1981	3	300TD Turbo Diesel	3005CC (3.0L) Diesel	1974-1981	3	
280	2746CC (2.7L)	1973-1982	4		346 CID/5675CC (5.7L) OM352 Diesel		5	
280C	2746CC (2.7L)	1973-1982	4		5675CC (5.7L) OM352A Diesel	1971-1976	5	
280CE	2746CC (2.7L)	1973-1982	4					
COUNTER DATA				SHOP DATA				

MERCEDES BENZ (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1988CC (2.0L) OM615 Diesel 4 Cyl (1972-1978)				3.425in./87mm x 3.307in./84mm			1
	2197CC (2.2L) 615.912 Diesel 4 Cyl (1971-1973)				3.425in./87mm x 3.622in./92mm			
	2197CC (2.2L) OM615 Diesel 4 Cyl (1968-1973)				3.425in./87mm x 3.622in./92mm			
	2307CC (2.3L) 115.951 4 Cyl (1974-1976)				3.688in./93.7mm x 3.307in./84mm			
	2307CC (2.3L) 115.954 4 Cyl (1977-1978)				3.688in./93.7mm x 3.307in./84mm			
	2307CC (2.3L) M115 4 Cyl (1974-1978)				3.688in./93.7mm x 3.307in./84mm			
2404CC (2.4L) 616.912 Diesel 4 Cyl (1976-1978)				3.583in./91mm x 3.622in./92mm				
Rod Bearing(4) TM-1 CB-1026P STD.,25mm,.50mm				2.0455/2.0459	0.0015/0.0031	0.0711	2.1890/2.1897	1.0240
NOTE: Upper And Lower Halves Are Plain Bearings								
Connecting Rod 28 Lbs.Ft. Plus 90 Degrees								
2	2399CC (2.4L) 616.912 Diesel 4 Cyl (1979-1983)				3.580in./90.9mm x 3.622in./92mm			2
Rod Bearing(4) TM-1 CB-1026P STD.,25mm,.50mm				2.0455/2.0459	0.0015/0.0031	0.0711	2.1890/2.1897	1.0240
NOTE: Upper And Lower Halves Are Plain Bearings								
Main Bearing Set AL-3 MS-1537AL STD.,.75mm				2.7541/2.7545	0.0015/0.0036	0.0888	2.9331/2.9338	1.0630
1-2-4-5 MB-19AL								
3 MB-2776AL				2.7541/2.7545	0.0015/0.0036	0.0888	2.9331/2.9338	1.0630
NOTE: 1980-1983;1979-1983, From 1/79, Requires Thrust Washer Set, Not Included								
5 CYL								
3	2998CC (3.0L) Diesel 5 Cyl (1974-1978)				3.583in./91mm x 3.622in./92mm			3
	3005CC (3.0L) Diesel 5 Cyl (1975-1976)				3.583in./91mm x 3.622in./92mm			
	3005CC (3.0L) Turbocharged Diesel 5 Cyl (1975-1981)				3.583in./91mm x 3.622in./92mm			
Rod Bearing(4) TM-1 CB-1026P STD.,25mm,.50mm				2.0455/2.0459	0.0015/0.0031	0.0711	2.1890/2.1897	1.0240
Connecting Rod 22 Lbs.Ft. Plus 90 Degrees								
6 CYL								
4	2746CC (2.7L) ,110.984 6 Cyl (1973-1981)				3.386in./86mm x 3.110in./79mm			4
	2746CC (2.7L) 110.922 6 Cyl (1975-1976)				3.386in./86mm x 3.110in./79mm			
	2746CC (2.7L) 110.985 6 Cyl (1977-1980)				3.386in./86mm x 3.110in./79mm			
Rod Bearing(6) TM-77 CB-1027P STD.,25mm				1.8880/1.8884	0.0010/0.0029	0.0714	2.0315/2.0322	0.8660
Connecting Rod 34 Lbs.Ft. Plus 90 Degrees								
Main Bearing 58 Lbs.Ft.								
5	346 CID/5675CC (5.7L) OM352 Diesel 6 Cyl (1965-1990)				3.819in./97mm x 5.039in./128mm			5
	5675CC (5.7L) OM352A Turbocharged Diesel 6 Cyl (1971-1976)				3.819in./97mm x 5.039in./128mm			
Rod Bearing(6) TM-1 CB-1177P STD.,25mm,.50mm,.75mm				2.3618/2.3628	0.0021/0.0049	0.0973	2.5590/2.5598	1.1580

MILITARY STANDARD

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
2 CYL			4 CYL (Cont.)		
MTHD 54 CID (0.9L)	3.250in./82.6mmX3.250in./82.6mm	1	MVF4D 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	3
3 CYL			MVG4D 149 CID (2.4L)	3.438in./87.3mmX4.000in./101.6mm	4
			MVH4D 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	3
3-53 Detroit Diesel 159 CID (2.6L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	2	VAE 124 CID (2.0L)	3.250in./82.6mmX3.750in./95.3mm	5
4 CYL			6 CYL		
4MB-153 153 CID (2.5L)	3.438in./87.3mmX4.125in./104.8mm	4	6-71 Detroit Diesel 426 CID (7.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	19
180GB 124 CID (2.0L)	3.250in./82.6mmX3.750in./95.3mm	4	6-244-MS 244 CID/3996CC (4.0L)	3.438in./87.3mmX4.375in./111.1mm	13
180GM 139 CID (2.3L)	3.438in./87.3mmX3.750in./95.3mm	4	6-244-S 244 CID/3996CC (4.0L)	3.438in./87.3mmX4.375in./111.1mm	13
C152 International 152 CID (2.5L)	3.375in./85.7mmX4.250in./108mm	9	6MB-230 230 CID (3.8L)	3.438in./87.3mmX4.125in./104.8mm	12
F-Head 134 CID (2.2L)	3.125in./79.4mmX4.375in./111.1mm	6	6V-53 Detroit Diesel 318 CID (5.2L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	17
FS145 145 CID (2.4L)	3.250in./82.6mmX4.375in./111.1mm	8	145GKU Waukesha 779 CID (12.8L)	5.250in./133.4mmX6.000in./152.4mm	22
FS162 162 CID (2.7L)	3.438in./87.3mmX4.375in./111.1mm	8	145GZ Waukesha 817 CID (13.4L)	5.375in./136.5mmX6.000in./152.4mm	22
IXB-ER 133 CID (2.2L)	3.250in./82.6mmX4.000in./101.6mm	3	185GB 187 CID (3.1L)	3.250in./82.6mmX3.750in./95.3mm	12
JX4LD-ER 226 CID (3.7L)	4.000in./101.6mmX4.500in./114.3mm	4	185GM 209 CID (3.4L)	3.438in./87.3mmX3.750in./95.3mm	12
L-Head 134 CID (2.2L)	3.125in./79.4mmX4.375in./111.1mm	6	265 Chrysler 265 CID (4.3L)	3.438in./87.3mmX4.750in./120.7mm	15
M151 Mutt (141.5) 142 CID (2.3L)	3.875in./98.4mmX3.000in./76.2mm	7	Chevrolet Corvair 145 CID (2.4L)	3.438in./87.3mmX2.593in./65.9mm	10
MVE4D 92 CID (1.5L)	3.000in./76.2mmX3.250in./82.6mm	3			

MILITARY STANDARD (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
ENDT-673 Mack 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	21	OA331 Reo 331 CID (5.4L)	4.125in./104.8mmX4.125in./104.8mm	18
FS218 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	13	OHV General Motors 302 CID (5.0L)	4.000in./101.6mmX4.000in./101.6mm	16
FS244 244 CID/3996CC (4.0L)	3.438in./87.3mmX4.375in./111.1mm	13	QXLD-ER 237 CID (3.9L)	3.438in./87.3mmX4.250in./108mm	13
IND-905A 199 CID (3.3L)	3.250in./82.6mmX4.000in./101.6mm	12	U224 223 CID (3.7L)	3.438in./87.3mmX4.000in./101.6mm	12
IND-908A 251 CID (4.1L)	3.438in./87.3mmX4.500in./114.3mm	12	U225 251 CID (4.1L)	3.438in./87.3mmX4.500in./114.3mm	12
IND-931 230 CID (3.8L)	3.250in./82.6mmX4.625in./117.5mm	13	8 CYL		
JXAL2-ER 251 CID (4.1L)	3.438in./87.3mmX4.500in./114.3mm	12	8V-71 Detroit Diesel 568 CID (9.3L) Diesel	4.250in./108mmX5.000in./127mm	27
JXLD-ER 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	12	8V-71 Detroit Diesel 568 CID (9.3L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	28
L-Head Studebaker 170 CID (2.8L)	3.000in./76.2mmX4.000in./101.6mm	11	283 Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	24
L-Head Chrysler 230 CID (3.8L)	3.250in./82.6mmX4.625in./117.5mm	14	Chrysler 361 CID (5.9L)	4.125in./104.8mmX3.375in./85.7mm	25
LD478 Continental 478 CID (7.8L) Diesel	4.500in./114.3mmX4.875in./123.8mm	20	Ford 534 CID (8.8L)	4.500in./114.3mmX4.200in./106.7mm	26
LDS427 Continental 427 CID (7.0L) Diesel	4.313in./109.6mmX4.875in./123.8mm	20	L-Head Ford 239 CID (3.9L)	3.188in./80.98mmX3.750in./95.3mm	23
LDS478 Continental 478 CID (7.8L) Diesel	4.563in./115.9mmX4.875in./123.8mm	20			

MODEL DATA

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
72-40	Military Vehicle	426 CID (7.0L) 6-71 Detroit Diesel Diesel	19	M4A1	Military Vehicle	817 CID (13.4L) 145GZ Waukesha	22
905A	Engine	265 CID (4.3L) 265 Chrysler	15	M4A1C	Military Vehicle	817 CID (13.4L) 145GZ Waukesha	22
908A	Engine	265 CID (4.3L) 265 Chrysler	15	M4A2	Military Vehicle	817 CID (13.4L) 145GZ Waukesha	22
931	Engine	230 CID (3.8L) L-Head Chrysler	14	M4C	Military Vehicle	817 CID (13.4L) 145GZ Waukesha	22
	Engine	54 CID (0.9L) MTHD	1	M29	Military Vehicle	170 CID (2.8L) L-Head Studebaker	11
	Engine	92 CID (1.5L) MVE4D	3	M29C	Military Vehicle	170 CID (2.8L) L-Head Studebaker	11
	Engine	108 CID (1.8L) MVH4D	3	M34	Military Vehicle	331 CID (5.4L) OA331 Reo	18
	Engine	124 CID (2.0L) VAE	5	M35	Military Vehicle	331 CID (5.4L) OA331 Reo	18
	Engine	133 CID (2.2L) IXB-ER	3	M35AZ	Military Vehicle	478 CID (7.8L) LDS478 Continental Diesel	20
	Engine	139 CID (2.3L) 180GM	4	M36	Military Vehicle	331 CID (5.4L) OA331 Reo	18
	Engine	142 CID (2.3L) M151 Mutt (141.5)	7	M36C	Military Vehicle	331 CID (5.4L) OA331 Reo	18
	Engine	145 CID (2.4L) FS145	8	M37	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14
	Engine	149 CID (2.4L) MVG4D	4	M37B1	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14
	Engine	153 CID (2.5L) 4MB-153	4	M38	Military Vehicle	134 CID (2.2L) L-Head	6
	Engine	162 CID (2.7L) FS162	8	M38A1	Military Vehicle	134 CID (2.2L) F-Head	6
	Engine	187 CID (3.1L) 185GB	12	M38A1C	Military Vehicle	134 CID (2.2L) F-Head	6
	Engine	199 CID (3.3L) IND-905A	12	M38A1E2	Military Vehicle	134 CID (2.2L) F-Head	6
	Engine	209 CID (3.4L) 185GM	12	M42	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14
	Engine	218 CID (3.6L) FS218	13	M43	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14
	Engine	223 CID (3.7L) U224	12	M43B1	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14
	Engine	226 CID (3.7L) JX4LD-ER	4	M44	Military Vehicle	331 CID (5.4L) OA331 Reo	18
	Engine	230 CID (3.8L) IND-931	13	M44AZ	Military Vehicle	478 CID (7.8L) LDS478 Continental Diesel	20
	Engine	237 CID (3.9L) QXLD-ER	13	M44C	Military Vehicle	331 CID (5.4L) OA331 Reo	18
	Engine	244 CID/3996CC (4.0L) FS244	13	M45	Military Vehicle	331 CID (5.4L) OA331 Reo	18
	Engine	251 CID (4.1L) U225	12	M45C	Military Vehicle	331 CID (5.4L) OA331 Reo	18
	Engine	339 CID (5.6L) JXLD-ER	12				
Commando	Military Vehicle	361 CID (5.9L) Chrysler	25				
GOER	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	28				
H90C	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17				
LARC 5	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17				
LD-465-1	Engine	478 CID (7.8L) LD478 Continental Diesel	20				
LDS-427-2	Engine	427 CID (7.0L) LDS427 Continental Diesel	20				
LDS-465-1	Engine	478 CID (7.8L) LDS478 Continental Diesel	20				
M4	Military Vehicle	817 CID (13.4L) 145GZ Waukesha	22				

MILITARY STANDARD (Cont.)

MODEL DATA (Cont.)							
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
M46	Military Vehicle	331 CID (5.4L) OA331 Reo	18	M109D	Military Vehicle	331 CID (5.4L) OA331 Reo	18
M46C	Military Vehicle	331 CID (5.4L) OA331 Reo	18	M110	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	28
M47	Military Vehicle	331 CID (5.4L) OA331 Reo	18	M113	Military Vehicle	361 CID (5.9L) Chrysler	25
M48	Military Vehicle	331 CID (5.4L) OA331 Reo	18	M113A1	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17
M49	Military Vehicle	331 CID (5.4L) OA331 Reo	18	M113E2	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17
M49C	Military Vehicle	331 CID (5.4L) OA331 Reo	18	M114A1	Military Vehicle	283 CID (4.6L) 283 Chevrolet	24
M50	Military Vehicle	302 CID (5.0L) OHV General Motors	16	M116	Military Vehicle	283 CID (4.6L) 283 Chevrolet	24
M50	Military Vehicle	331 CID (5.4L) OA331 Reo	18	M123	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	28
M51AZ	Military Vehicle	478 CID (7.8L) LDS478 Continental Diesel	20	M132A1	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17
M52	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17	M133	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M52A1	Military Vehicle	672 CID (11.0L) ENDT-673 Mack Diesel	21	M135	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M52AZ	Military Vehicle	478 CID (7.8L) LDS478 Continental Diesel	20	M170	Military Vehicle	134 CID (2.2L) F-Head	6
M54A1	Military Vehicle	672 CID (11.0L) ENDT-673 Mack Diesel	21	M185	Military Vehicle	331 CID (5.4L) OA331 Reo	18
M54AZ	Military Vehicle	478 CID (7.8L) LDS478 Continental Diesel	20	M185A1	Military Vehicle	331 CID (5.4L) OA331 Reo	18
M54E3	Military Vehicle	672 CID (11.0L) ENDT-673 Mack Diesel	21	M201	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14
M55AZ	Military Vehicle	478 CID (7.8L) LDS478 Continental Diesel	20	M201B1	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14
M56	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14	M207	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M56B1	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14	M207C	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M56C	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14	M211	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M57	Military Vehicle	331 CID (5.4L) OA331 Reo	18	M215	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M58	Military Vehicle	331 CID (5.4L) OA331 Reo	18	M217	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M59	Military Vehicle	302 CID (5.0L) OHV General Motors	16	M217C	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M59	Military Vehicle	331 CID (5.4L) OA331 Reo	18	M220	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M60	Military Vehicle	331 CID (5.4L) OA331 Reo	18	M220C	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M61AZ	Military Vehicle	478 CID (7.8L) LDS478 Continental Diesel	20	M220D	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M84	Military Vehicle	302 CID (5.0L) OHV General Motors	16	M221	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M106	Military Vehicle	361 CID (5.9L) Chrysler	25	M222	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M106A1	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17	M275	Military Vehicle	331 CID (5.4L) OA331 Reo	18
M106E1	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17	M292	Military Vehicle	331 CID (5.4L) OA331 Reo	18
M107	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	28	M301	Military Vehicle	779 CID (12.8L) 145GKU Waukesha	22
M108	Military Vehicle	331 CID (5.4L) OA331 Reo	18	M342	Military Vehicle	331 CID (5.4L) OA331 Reo	18
M108	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	28	M398	Military Vehicle	331 CID (5.4L) OA331 Reo	18
M109	Military Vehicle	331 CID (5.4L) OA331 Reo	18	M410	Military Vehicle	361 CID (5.9L) Chrysler	25
M109	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	28	M435E2	Military Vehicle	534 CID (8.8L) Ford	26
M109A1	Military Vehicle	331 CID (5.4L) OA331 Reo	18	M437E1	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	28
M109C	Military Vehicle	331 CID (5.4L) OA331 Reo	18	M474E2	Military Vehicle	361 CID (5.9L) Chrysler	25
				M478	Military Vehicle	331 CID (5.4L) OA331 Reo	18

MILITARY STANDARD (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
M486	Military Vehicle	331 CID (5.4L) OA331 Reo	18	MOFAB	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	28
M506	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14	MU3A1	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17
M546	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17	MX-3029	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14
M546	Military Vehicle	361 CID (5.9L) Chrysler	25	SATS	Military Vehicle	159 CID (2.6L) 3-53 Detroit Diesel Diesel	2
M548	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17	T195E1	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	28
M551	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17	T196E1	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	28
M557	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17	T257	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17
M557E1	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17	T257	Military Vehicle	361 CID (5.9L) Chrysler	25
M561	Military Vehicle	145 CID (2.4L) Chevrolet Corvair	10	T-16	Military Vehicle	239 CID (3.9L) L-Head Ford	23
M561	Military Vehicle	159 CID (2.6L) 3-53 Detroit Diesel Diesel	2	T-59	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M572	Military Vehicle	331 CID (5.4L) OA331 Reo	18	T-114	Military Vehicle	283 CID (4.6L) 283 Chevrolet	24
M577	Military Vehicle	361 CID (5.9L) Chrysler	25	T-122	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17
M577A1	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17	T-122	Military Vehicle	361 CID (5.9L) Chrysler	25
M578	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	28	U4	Military Vehicle	152 CID (2.5L) C152 International	9
M601	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14	V17A/MTQ	Military Vehicle	331 CID (5.4L) OA331 Reo	18
M602	Military Vehicle	331 CID (5.4L) OA331 Reo	18	V18A/MTQ	Military Vehicle	331 CID (5.4L) OA331 Reo	18
M656	Military Vehicle	478 CID (7.8L) LDS478 Continental Diesel	20	V41/GT	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14
M701	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	28	XM472	Military Vehicle	331 CID (5.4L) OA331 Reo	18
M715	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14	XM474E2	Military Vehicle	361 CID (5.9L) Chrysler	25
M725	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14	XM567	Military Vehicle	331 CID (5.4L) OA331 Reo	18

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1BA	3.750in./95.3mm	23	666743	4.625in./117.5mm	14	3703526	3.000in./76.2mm	24	5154265	5.000in./127mm	19
8BA-6200B	3.750in./95.3mm	23	666746	4.750in./120.7mm	15	3703527	3.000in./76.2mm	24	6107428	4.000in./101.6mm	16
8CM-6200B	3.750in./95.3mm	23	868896	4.625in./117.5mm	14	3784000	3.000in./76.2mm	24	6255633	2.593in./65.9mm	10
29A-6200	3.750in./95.3mm	23	952118	4.625in./117.5mm	14	3815281	3.000in./76.2mm	24	6255633	4.000in./101.6mm	16
99A-6200	3.750in./95.3mm	23	954371	4.625in./117.5mm	14	3817209	2.593in./65.9mm	10	B9TE	4.200in./106.7mm	26
367GC-468F	6.000in./152.4mm	21	954408	4.625in./117.5mm	14	3817294	2.593in./65.9mm	10	DA-65	3.250in./82.6mm	3
1172-A3	4.125in./104.8mm	18	954418	4.750in./120.7mm	15	3817297	2.593in./65.9mm	10	EBU	3.750in./95.3mm	23
9410	4.625in./117.5mm	14	954428	4.750in./120.7mm	15	3819695	2.593in./65.9mm	10	EBU-6200A	3.750in./95.3mm	23
43785	4.250in./108mm	9	1400244	4.750in./120.7mm	15	5121248	4.500in./114.3mm	2	EBU-6205-A	3.750in./95.3mm	23
43785B	4.250in./108mm	9	1554471	4.625in./117.5mm	14	5128158	4.500in./114.3mm	17	ECC-6205A	3.750in./95.3mm	23
195123	4.000in./101.6mm	11	1554530	4.625in./117.5mm	14	5133009	4.500in./114.3mm	17	ECC-6205B	3.750in./95.3mm	23
199829	4.000in./101.6mm	11	1618699	3.375in./85.7mm	25	5135051	5.000in./127mm	27	ECE-6205-A	3.750in./95.3mm	23
517892	4.000in./101.6mm	11	1737692	3.375in./85.7mm	25	5135051	5.000in./127mm	28	ECZ-6205B	3.750in./95.3mm	23
617925	4.625in./117.5mm	14	1851535	3.375in./85.7mm	25	5144384	5.000in./127mm	27	EDC-6205A	3.750in./95.3mm	23
636960	4.375in./111.1mm	6	2135419	4.000in./101.6mm	16	5144384	5.000in./127mm	28	EDL	4.200in./106.7mm	26
640068	4.375in./111.1mm	6	2341204	4.000in./101.6mm	16	5144469	5.000in./127mm	19	L478C-400	4.875in./123.8mm	20
641770	4.375in./111.1mm	6	2406782	3.375in./85.7mm	25	5150059	4.000in./101.6mm	16			
665679	4.750in./120.7mm	15	2951908	3.375in./85.7mm	25	5150093	5.000in./127mm	19			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1BA	3.750in./95.3mm	23	29B-6303B	3.750in./95.3mm	23	456GC-545	6.000in./152.4mm	21	6764	3.000in./76.2mm	24
1BA-6303-A	3.750in./95.3mm	23	99A-6303	3.750in./95.3mm	23	456GC-545A	6.000in./152.4mm	21	8409	2.593in./65.9mm	10
1BA-6303-B	3.750in./95.3mm	23	456GC-518A	6.000in./152.4mm	21	1139-A3	4.125in./104.8mm	18	43734D	4.250in./108mm	9
2BA	3.750in./95.3mm	23	456GC-518E	6.000in./152.4mm	21	1178	3.000in./76.2mm	24	43734DB	4.250in./108mm	9
6-71	5.000in./127mm	19	456GC-518F	6.000in./152.4mm	21	1189-A3	4.125in./104.8mm	18	43734DC	4.250in./108mm	9
8BA	3.750in./95.3mm	23	456GC-518G	6.000in./152.4mm	21	1224-A3	4.125in./104.8mm	18	43734DD	4.250in./108mm	9
29A-6303A	3.750in./95.3mm	23	456GC-543	6.000in./152.4mm	21	3279	3.000in./76.2mm	24	60889HC	4.250in./108mm	9

MILITARY STANDARD (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
176524	4.000in./101.6mm	11	1737642	3.375in./85.7mm	25	3734627	3.000in./76.2mm	24	5173988	5.000in./127mm	19
186433	4.000in./101.6mm	11	1739589	4.625in./117.5mm	14	3735236	3.000in./76.2mm	24	5179067	5.000in./127mm	19
189517	4.000in./101.6mm	11	1851527	3.375in./85.7mm	25	3751877	3.375in./85.7mm	25	5182940	5.000in./127mm	19
199966	4.000in./101.6mm	11	2090911	4.000in./101.6mm	16	3817293	2.593in./65.9mm	10	6116028	4.500in./114.3mm	2
310372	4.375in./111.1mm	6	2135416	4.000in./101.6mm	16	3835236TG	3.000in./76.2mm	24	6255607	2.593in./65.9mm	10
511706	5.000in./127mm	27	2136119	4.000in./101.6mm	16	3836236	3.000in./76.2mm	24	A-399	4.500in./114.3mm	17
511706	5.000in./127mm	28	2192941	4.000in./101.6mm	16	3836266	3.000in./76.2mm	24	BA-6303	3.750in./95.3mm	23
521525	4.000in./101.6mm	11	2194012	4.000in./101.6mm	16	3837266	3.000in./76.2mm	24	C1TE-6303-C	4.200in./106.7mm	26
630320	4.375in./111.1mm	6	2194570	4.000in./101.6mm	16	3838266	3.000in./76.2mm	24	C1TE-6303C	4.200in./106.7mm	26
635280	4.375in./111.1mm	6	2194958	4.000in./101.6mm	16	3849847	3.000in./76.2mm	24	C1TE-C	4.200in./106.7mm	26
635380	4.375in./111.1mm	6	2203155	3.375in./85.7mm	25	3876764	3.000in./76.2mm	24	C2TE-A	4.200in./106.7mm	26
638121	4.375in./111.1mm	6	2203157	3.375in./85.7mm	25	3876768	3.000in./76.2mm	24	C2TE-B	4.200in./106.7mm	26
641127	4.375in./111.1mm	6	2206157	3.375in./85.7mm	25	4027172	3.375in./85.7mm	25	CA-68	3.250in./82.6mm	3
646318	4.375in./111.1mm	6	2206159	3.375in./85.7mm	25	5103281	5.000in./127mm	27	CA-70	3.250in./82.6mm	3
864718	4.625in./117.5mm	14	2342204	4.000in./101.6mm	16	5103281	5.000in./127mm	28	CA-71-C	3.250in./82.6mm	3
868929	4.625in./117.5mm	14	2342664	4.000in./101.6mm	16	5116022	4.500in./114.3mm	2	EAB	3.750in./95.3mm	23
883550	4.000in./101.6mm	16	2362229	4.000in./101.6mm	16	5116029	4.500in./114.3mm	2	EAF	4.375in./111.1mm	6
1185539	4.625in./117.5mm	14	2404929	4.000in./101.6mm	16	5116030	4.500in./114.3mm	17	EDN	4.200in./106.7mm	26
1400188	4.750in./120.7mm	15	2482923	3.375in./85.7mm	25	5132942	4.000in./101.6mm	16	EDN-6303A	4.200in./106.7mm	26
1400718	4.750in./120.7mm	15	2491012	4.000in./101.6mm	16	5144867	5.000in./127mm	27	GPW	4.375in./111.1mm	6
1547105	4.000in./101.6mm	11	3462923	3.375in./85.7mm	25	5144867	5.000in./127mm	28	LD427C-501	4.875in./123.8mm	20
1550774	4.000in./101.6mm	11	3727449	3.000in./76.2mm	24	5154256	5.000in./127mm	19	OPA	3.750in./95.3mm	23
1557708	4.625in./117.5mm	14	3727499	3.000in./76.2mm	24	5155255	5.000in./127mm	19			
1737641	3.375in./85.7mm	25	3729449	3.000in./76.2mm	24	5160034	5.000in./127mm	19			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

2 CYL

1	54 CID (0.9L) MTHD 2 Cyl				3.250in./82.6mm x 3.250in./82.6mm				1
Rod Bearing(2)	TM-112	CB-556P	STD,10,20	1.8090/1.8100	0.0014/0.0044	0.0628	1.9365/1.9375	1.0050	
NOTE: C.O.E. Number MS-13995-1									

3 CYL

2	159 CID (2.6L) 3-53 Detroit Diesel Supercharged Diesel 3 Cyl				3.875in./98.4mm x 4.500in./114.3mm				2	
Rod Bearing(3)	TM-112	CB-1265P	STD,10,20,30,40	2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200		
Main Bearing(4)	TM-112	MB-1897P	STD,10,20,30	2.9990/3.0000	0.0013/0.0043	0.1250	3.2510/3.2520	1.1850		
Thrust Washer Set		TW-412S	STD	3.3380/3.3480				4.2700/4.2800	0.1220	
		MB-2522W								
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MB-1897P										
Cam Bearing Set	C-1	SH-699S	STD	2.1820/2.1825				0.0039/0.0065	0.0943	
1-3		SH-686								
2		SH-687								
NOTE: Contains Camshaft And Balance Shaft Bearings										
Piston Pin Bushing(3)	C-1	223-3622	STD					0.1225	1.6005/1.6010	0.7550
NOTE: Requires Boring										

Rod Forging	5121248
C/S Forging	5116022, 5116029, 6116028

Connecting Rod	40 To 45 Lbs.Ft.
Main Bearing	120 To 130 Lbs.Ft.

4 CYL

3	92 CID (1.5L) MVE4D 4 Cyl				3.000in./76.2mm x 3.250in./82.6mm				3
	108 CID (1.8L) MVF4D,MVH4D 4 Cyl				3.250in./82.6mm x 3.250in./82.6mm				
	133 CID (2.2L) IXB-ER 4 Cyl				3.250in./82.6mm x 4.000in./101.6mm				
Rod Bearing(4)		TM-112	CB-556P	STD,10,20	1.8090/1.8100	0.0014/0.0044	0.0628	1.9365/1.9375	1.0050
NOTE: C.O.E. Number MS-13995-1									
Rod Forging		DA-65							
C/S Forging		CA-68, CA-70, CA-71-C							

MILITARY STANDARD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
4	124 CID (2.0L) 180GB 4 Cyl 139 CID (2.3L) 180GM 4 Cyl 149 CID (2.4L) MVG4D 4 Cyl 153 CID (2.5L) 4MB-153 4 Cyl 226 CID (3.7L) JX4LD-ER 4 Cyl				3.250in./82.6mm x 3.750in./95.3mm 3.438in./87.3mm x 3.750in./95.3mm 3.438in./87.3mm x 4.000in./101.6mm 3.438in./87.3mm x 4.125in./104.8mm 4.000in./101.6mm x 4.500in./114.3mm			4
Rod Bearing(4)	TM-77	CB-579P	STD,10,20	2.1232/2.1240	0.0005/0.0031	0.0628	2.2495/2.2500	1.1900
NOTE: C.O.E. Number MS-13993-1								
5	124 CID (2.0L) VAE 4 Cyl				3.250in./82.6mm x 3.750in./95.3mm			5
Rod Bearing(4)	TM-112	CB-533P	STD,10,20,30	2.0590/2.0600	0.0014/0.0039	0.0628	2.1865/2.1870	1.0670
NOTE: C.O.E. Number MS-13994-1								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming								
6	134 CID (2.2L) F-Head,L-Head 4 Cyl				3.125in./79.4mm x 4.375in./111.1mm			6
Rod Bearing(4)	TM-77	CB-236P	STD,10,20,30,40,50,C60	1.9375/1.9383	0.0008/0.0030	0.0523	2.0432/2.0440	1.0990
NOTE: From Engine Serial Number 88769, Naturally Aspirated								
Main Bearing Set 1	TM-77	MS-115P	STD,10,20,30,40,50	2.3331/2.3341	0.0006/0.0032	0.0823	2.4990/2.5000	1.9210
2		MB-883P(F)		2.3331/2.3341	0.0006/0.0032	0.0773	2.4890/2.4900	1.8170
3		MB-884P		2.3331/2.3341	0.0006/0.0032	0.0723	2.4790/2.4800	1.7550
NOTE: Naturally Aspirated								
Cam Bearing Set	B-1	SH-69S	STD	2.1855/2.1860	0.0010/0.0040	0.0640	2.3165/2.3175	1.1350
NOTE: Contains 1 Bearing, Order As Required, Naturally Aspirated								
Rod Forging	636960, 640068, 641770							
C/S Forging	EA, GPW, 310372, 630320, 635280, 635380, 638121, 641127, 646318							
Connecting Rod	35 To 45 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	50 To 55 Lbs.Ft. (7/16" Bolts)							
Main Bearing	65 To 75 Lbs.Ft.							
7	142 CID (2.3L) M151 Mutt (141.5) 4 Cyl				3.875in./98.4mm x 3.000in./76.2mm			7
Rod Bearing(4)	TM-77	CB-985P	STD,10,20,30	1.9982/1.9990	0.0007/0.0033	0.0625	2.1242/2.1250	0.7890
NOTE: C.O.E. Numbers 8754476 and 36003C								
Main Bearing Set 1-3	TM-77	MS-1111P	STD,10,20	2.2487/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.1450
2		MB-2652P		2.2487/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.8170
NOTE: C.O.E. Numbers 5702200, 8754648 and 8754649								
Cam Bearing Set 1-2-3	B-1	SH-732S	STD	2.0090/2.0100	0.0005/0.0045	0.0628	2.1360/2.1370	1.0100
NOTE: C.O.E. Number 8754608								
8	145 CID (2.4L) FS145 4 Cyl 162 CID (2.7L) FS162 4 Cyl				3.250in./82.6mm x 4.375in./111.1mm 3.438in./87.3mm x 4.375in./111.1mm			8
Rod Bearing(4)	TM-112	CB-533P	STD,10,20,30	2.0590/2.0600	0.0014/0.0039	0.0628	2.1865/2.1870	1.0670
NOTE: C.O.E. Number MS-13994-1								
9	152 CID (2.5L) C152 International 4 Cyl				3.375in./85.7mm x 4.250in./108mm			9
Rod Bearing(4)	TM-77	CB-207P	STD,2,10,20	2.2475/2.2485	0.0015/0.0040	0.1003	2.4500/2.4510	1.2340
Main Bearing Set 1-3	TM-77	MS-154P	STD,2,10,20	2.4975/2.4985	0.0013/0.0038	0.1252	2.7500/2.7510	1.5000
2		MB-1060P		2.4975/2.4985	0.0013/0.0038	0.1252	2.7500/2.7510	1.9950
NOTE: C.O.E. Number MS-13994-1								
Cam Bearing Set 1	B-1	SH-354S	STD	1.9305/1.9315	0.0010/0.0050	0.0643	2.0610/2.0625	1.3230
2		SH-354		1.8055/1.8065	0.0010/0.0050	0.0643	1.9360/1.9375	1.3850
3		SH-355		1.3680/1.3690	0.0010/0.0050	0.0643	1.4985/1.5000	1.0100
NOTE: C.O.E. Number MS-13994-1								
Rod Forging	43785, 43785B							
C/S Forging	43734D, 43734DB, 43734DC, 43734DD, 60889HC							
Connecting Rod	40 To 50 Lbs.Ft.							
Main Bearing	75 To 80 Lbs.Ft.							

MILITARY STANDARD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
10	145 CID (2.4L) Chevrolet Corvair 6 Cyl			3.438in./87.33mm x 2.593in./65.9mm				10
Rod Bearing(6)	TM-77	CB-584P	STD,1,10,20	1.7990/1.8000	0.0012/0.0037	0.0620	1.9247/1.9252	0.6840
Main Bearing Set	TM-77	MS-584P	STD,10					
1		MB-2004P(F)		2.0978/2.0988	0.0013/0.0043	0.0945	2.2880/2.2890	0.9970
2-3		MB-2005P		2.0978/2.0988	0.0007/0.0037	0.0950	2.2880/2.2890	0.8070
4		MB-2111P		2.0978/2.0988	0.0007/0.0037	0.0950	2.2880/2.2890	0.8070
NOTE: Contains Full Flanged Bearing								
Main Bearing Set	TM-77	MS-1670P	STD,10					
1		MB-2004G(F)		2.0978/2.0988	0.0013/0.0043	0.0945	2.2880/2.2890	0.9970
2-3		MB-2005P		2.0978/2.0988	0.0007/0.0037	0.0950	2.2880/2.2890	0.8070
4		MB-2111P		2.0978/2.0988	0.0007/0.0037	0.0950	2.2880/2.2890	0.8070
NOTE: Contains Half Flanged Bearing								
Rod Forging	3817209, 3817294, 3817297, 3819695, 6255633							
C/S Forging	8409, 3817293, 6255607							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	42 To 48 Lbs.Ft. (7/16"-20 Bolts)							
Main Bearing	7 To 13 Lbs.Ft. (5/16"-18 Bolts)							
11	170 CID (2.8L) L-Head Studebaker 6 Cyl			3.000in./76.2mm x 4.000in./101.6mm				11
Rod Bearing(6)	TM-77	CB-286P	STD,10	1.8117/1.8127	0.0006/0.0027	0.0566	1.9260/1.9265	0.9100
NOTE: Early Original Equipment Babbitted Connecting Rods Can Be Replaced With Later Insert Type Connecting Rods								
Rod Forging	195123, 199829, 517892							
C/S Forging	176524, 186433, 189517, 199966, 521525, 1547105, 1550774							
Connecting Rod	28 To 32 Lbs.Ft.							
Main Bearing	85 To 95 Lbs.Ft.							
12	187 CID (3.1L) 185GB 6 Cyl 199 CID (3.3L) IND-905A 6 Cyl 209 CID (3.4L) 185GM 6 Cyl 223 CID (3.7L) U224 6 Cyl 230 CID (3.8L) 6MB-230 6 Cyl 251 CID (4.1L) IND-908A,JXAL2-ER,U225 6 Cyl 339 CID (5.6L) JXLD-ER 6 Cyl			3.250in./82.6mm x 3.750in./95.3mm 3.250in./82.6mm x 4.000in./101.6mm 3.438in./87.3mm x 3.750in./95.3mm 3.438in./87.3mm x 4.000in./101.6mm 3.438in./87.3mm x 4.125in./104.8mm 3.438in./87.3mm x 4.500in./114.3mm 4.000in./101.6mm x 4.500in./114.3mm				12
Rod Bearing(6)	TM-77	CB-579P	STD,10,20	2.1232/2.1240	0.0005/0.0031	0.0628	2.2495/2.2500	1.1900
NOTE: C.O.E. Number MS-13993-1								
13	218 CID (3.6L) FS218 6 Cyl 230 CID (3.8L) IND-931 6 Cyl 237 CID (3.9L) QXLD-ER 6 Cyl 244 CID/3996CC (4.0L) 6-244-MS,6-244-S,FS244 6 Cyl			3.250in./82.6mm x 4.375in./111.1mm 3.250in./82.6mm x 4.625in./117.5mm 3.438in./87.3mm x 4.250in./108mm 3.438in./87.3mm x 4.375in./111.1mm				13
Rod Bearing(6)	TM-112	CB-533P	STD,10,20,30	2.0590/2.0600	0.0014/0.0039	0.0628	2.1865/2.1870	1.0670
NOTE: C.O.E. Number MS-13994-1								
14	230 CID (3.8L) L-Head Chrysler 6 Cyl			3.250in./82.6mm x 4.625in./117.5mm				14
Rod Bearing(6)	TM-77	CB-60G	STD,10,20,30,40,50,60	2.0615/2.0625	0.0006/0.0027	0.0525	2.1675/2.1680	1.0050
Main Bearing Set	TM-77	MS-523P-10	20,30,C60					
1		MB-2011P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.2400
2-3		MB-2012P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.0360
4		MB-122P(F)		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-23S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-24		1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820
3		SH-25		1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	9410, 617925, 666743, 868896, 952118, 954371, 954408, 1554471, 1554530							
C/S Forging	864718, 868929, 1185539, 1557708, 1739589							

MILITARY STANDARD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
14 (Cont.)	230 CID (3.8L) L-Head Chrysler 6 Cyl			3.250in./82.6mm x 4.625in./117.5mm				14 (Cont.)
Connecting Rod	45 To 50 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	50 To 75 Lbs.Ft. (7/16" Bolts)							
Main Bearing	80 To 85 Lbs.Ft.							
15	265 CID (4.3L) 265 Chrysler 6 Cyl			3.438in./87.3mm x 4.750in./120.7mm				15
Rod Bearing(6)	TM-77	CB-90P	STD,1,10,20,30,40,C60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	1.0850
Main Bearing Set 1-2-3	TM-77	MS-107P	STD,10,20	2.4995/2.5005	0.0011/0.0036	0.0776	2.6565/2.6570	1.1810
4		MB-327P MB-328P(F)		2.4995/2.5005	0.0017/0.0042	0.0774	2.6565/2.6570	1.8710
Cam Bearing Set 1	B-1	SH-37S	STD	1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-23		1.9665/1.9675	0.0005/0.0045	0.0652	2.0985/2.0995	1.0700
3		SH-37		1.9350/1.9360	0.0005/0.0044	0.0653	2.0670/2.0680	1.0690
		SH-38						
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	665679, 666746, 954418, 954428, 1400244							
C/S Forging	1400188, 1400718							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
16	302 CID (5.0L) OHV General Motors 6 Cyl			4.000in./101.6mm x 4.000in./101.6mm				16
Rod Bearing(6)	TM-77	CB-427P	STD,10,20,30,40	2.3110/2.3120	0.0008/0.0033	0.0720	2.4563/2.4568	1.1070
NOTE: Connecting Rod With .160" Wide Locking Lip Slot								
Main Bearing Set 1	TM-77	MS-428P-10	30	2.6835/2.6845	0.0010/0.0040	0.0938	2.8728/2.8738	1.2550
2		MB-929P		2.7145/2.7155	0.0010/0.0040	0.0938	2.9038/2.9048	1.2100
3		MB-930P		2.7455/2.7465	0.0010/0.0040	0.0938	2.9348/2.9358	1.4320
4		MB-1809P(F) MB-1854P		2.7761/2.7771	0.0014/0.0044	0.0938	2.9658/2.9668	1.4950
NOTE: From 1956								
Cam Bearing Set 1	B-1	SH-209S	STD,10	2.0282/2.0292	0.0005/0.0050	0.0649	2.1590/2.1610	1.1350
2		SH-33		1.9657/1.9667	0.0005/0.0050	0.0649	2.0965/2.0985	0.9470
3		SH-34		1.9032/1.9042	0.0005/0.0050	0.0649	2.0340/2.0360	0.9470
4		SH-35		1.8407/1.8417	0.0005/0.0050	0.0649	1.9715/1.9735	0.9470
		SH-209						
Rod Forging	2135419, 2341204, 5150059, 6107428, 6255633							
C/S Forging	883550, 2090911, 2135416, 2136119, 2192941, 2194012, 2194570, 2194958, 2342204, 2342664, 2362229, 2404929, 2491012, 5132942							
Connecting Rod	40 To 50 Lbs.Ft.							
Main Bearing	90 To 100 Lbs.Ft.							
17	318 CID (5.2L) 6V-53 Detroit Diesel Supercharged Diesel V6 Cyl			3.875in./98.4mm x 4.500in./114.3mm				17
Rod Bearing(6)	TM-112	CB-674P	STD,10,20,30	2.7490/2.7500	0.0016/0.0046	0.1252	3.0015/3.0025	1.1100
Main Bearing Set 1-2-3-4	TM-112	MS-506P	STD,10,20	3.4990/3.5000	0.0023/0.0053	0.1245	3.7510/3.7520	1.0050
4		MB-1931P MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Thru Engine Serial Number 6D-17960, 1 Oil Hole In Upper Half Bearing,Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Main Bearing Set 1-2-3-4	TM-112	MS-885P	STD,10,20,30	3.4990/3.5000	0.0023/0.0053	0.1245	3.7510/3.7520	1.0050
4		MB-2474P MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: From Engine Serial Number 6D-17961, 7 Oil Holes In Upper Half Bearing,Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Thrust Washer Set		TW-411S	STD	3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 4								
Cam Bearing Set 1-4	C-1	SH-701S	STD	2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100
2-3		SH-686 SH-687		2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings								

MILITARY STANDARD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
17 (Cont.)	318 CID (5.2L) 6V-53 Detroit Diesel Supercharged Diesel V6 Cyl				3.875in./98.4mm x 4.500in./114.3mm			17 (Cont.)
Piston Pin Bushing(6)	C-1	223-3622	STD		0.1225	1.6005/1.6010	0.7550	
NOTE: Requires Boring								
Rod Forging	5128158, 5133009							
C/S Forging	A-399, 5116030							
Connecting Rod	24 To 28 Lbs.Ft. (5/16" Bolts)							
Connecting Rod	40 To 45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	120 To 130 Lbs.Ft.							
18	331 CID (5.4L) OA331 Reo 6 Cyl				4.125in./104.8mm x 4.125in./104.8mm			18
Rod Bearing(6)	TM-112	CB-365P		2.1705/2.1712	0.0008/0.0030	2.3330/2.3335	1.3870	
Rod Forging	1172-A3							
C/S Forging	1139-A3, 1189-A3, 1224-A3							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	85 To 90 Lbs.Ft.							
19	426 CID (7.0L) 6-71 Detroit Diesel Supercharged Diesel 6 Cyl				4.250in./108mm x 5.000in./127mm			19
Rod Bearing(6)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800
Main Bearing Set	TM-112	MS-271P	STD,10,20,30,40					
1-2-3-4-5-6-7		MB-1276P		3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930
7		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position								
Thrust Washer Set		TW-411S	STD					
		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 7, Use With Part Number MS-271P								
Cam Bearing Set	C-1	SH-476RS	STD,20					
		SH-476R		1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: From Engine Serial Number 6A-57745, Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(10)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(10)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS	STD					
		SH-477W		1.6910			2.1563	0.1220
NOTE: From Engine Serial Number 6A-57745, Contains 4 Pieces								
Rod Forging	5144469, 5150093, 5154265							
C/S Forging	6-71, 5154256, 5155255, 5160034, 5173988, 5179067, 5182940							
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	120 To 140 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
20	427 CID (7.0L) LDS427 Continental Diesel 6 Cyl				4.313in./109.6mm x 4.875in./123.8mm			20
	478 CID (7.8L) LD478 Continental Diesel 6 Cyl				4.500in./114.3mm x 4.875in./123.8mm			
	478 CID (7.8L) LDS478 Continental Diesel 6 Cyl				4.563in./115.9mm x 4.875in./123.8mm			
Rod Bearing(6)	TM-112	CB-954P	STD,10,20	2.9970/2.9980	0.0027/0.0057	0.1254	3.2510/3.2520	1.4530
Rod Forging	L478C-400							
C/S Forging	LD427C-501							
Connecting Rod	100 Lbs.Ft. (1/2" Bolts)							
Connecting Rod	120 Lbs.Ft. (9/16" Bolts)							
Connecting Rod	25 Lbs.Ft. (5/16" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	60 Lbs.Ft. (7/16" Bolts)							
Main Bearing	(5/8" Bolts)							
Main Bearing	120 Lbs.Ft. (9/16" Bolts)							
Main Bearing	40 Lbs.Ft. (3/8" Bolts)							
Main Bearing	70 Lbs.Ft. (Aluminum Engine)							
Main Bearing	75 Lbs.Ft. (7/16" Bolts)							
Main Bearing	95 Lbs.Ft. (1/2" Bolts)							

MILITARY STANDARD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
21	672 CID (11.0L) ENDT-673 Mack Turbocharged Diesel 6 Cyl			4.875in./123.8mm x 6.000in./152.4mm				21
Thrust Washer Set		TW-422S MB-1373W	STD	4.0625			5.2500	0.0920
NOTE: .250" Or .375" Dowel Pin Holes, Contains 4 Pieces, Contains Stepped Dowel Pins, Crankshaft, Position Number 4								
Cam Bearing Set 1	C-1	SH-676S SH-560	STD	2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850
2-3-4-5-6-7		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
NOTE: From 4/84, Thru 8/87, Camshaft With 2.440" Diameter Number 7 Bearing Journal								
Cam Bearing Set 1	C-1	SH-693S SH-560	STD	2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850
2-5		SH-693		2.4390/2.4400	0.0020/0.0060	0.0905	2.6230/2.6240	1.0100
3-4-6		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
7		SH-357		2.2510/2.2520	0.0010/0.0030	0.1853	2.6230/2.6240	1.3800
NOTE: Early Design, Slotted Bearings In Positions 2 And 5								
Cam Bearing Set 1	C-1	SH-993S SH-560	STD	2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850
2-3-4-5-6		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
7		SH-357		2.2510/2.2520	0.0010/0.0030	0.1853	2.6230/2.6240	1.3800
NOTE: Late Design, Thru 4/84, Camshaft With 2.250" Diameter Number 7 Bearing Journal								
Cam Bearing Set 1	C-1	SH-1450S SH-1450	STD	2.4390/2.4400	0.0012/0.0052	0.0905	2.6230/2.6240	1.3850
2-3-4-5-6-7		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
NOTE: From 8/87								
Cam Thrust Washer Set		SH-566WS SH-566W	STD	2.5000		3.8170		0.1870
NOTE: Contains Dowel Pins And 2 Thrust Washers 2.500" Inside Diameter								
Aux. Shaft Bearing Set	C-1	SH-563S	STD					
Front		SH-563		2.0610/2.0620	0.0020/0.0060	0.1237	2.3110/2.3120	1.7600
Rear		SH-564		1.9980/1.9990	0.0020/0.0060	0.1243	2.2490/2.2500	1.7600
Rod Forging	367GC-468F							
C/S Forging	456GC-543, 456GC-545, 456GC-518A, 456GC-518E, 456GC-518F, 456GC-518G, 456GC-545A							
Connecting Rod								
Main Bearing	150 Lbs.Ft. (5/8" Bolts)							
Main Bearing	200 Lbs.Ft. (11/16" Bolts)							
22	779 CID (12.8L) 145GKU Waukesha 6 Cyl			5.250in./133.4mm x 6.000in./152.4mm				22
	817 CID (13.4L) 145GZ Waukesha 6 Cyl			5.375in./136.5mm x 6.000in./152.4mm				
Rod Bearing(6)	TM-112	CB-292P	STD, 20	2.9990/3.0000	0.0014/0.0039	0.1103	3.2215/3.2220	1.9730
Main Bearing Set	TM-112	MS-766P	STD					
1-2-3-5-6		MB-1130P		3.4990/3.5000	0.0022/0.0052	0.1253	3.7526/3.7535	1.8480
4		MB-1131P		3.4990/3.5000	0.0022/0.0052	0.1253	3.7526/3.7535	3.4730
7		MB-2297P		3.4990/3.5000	0.0018/0.0043	0.1255	3.7526/3.7535	2.9110
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-131S								
Thrust Washer Set		TW-131S MB-2297W	STD	3.5150/3.5200			3.7450/3.7500	0.1250
NOTE: Contains 4 Pieces, Position Number 7, Use With Part Number MS-766P								
Cam Bearing Set 1-2-3-4	B-1	SH-142S SH-142	STD	2.4990/2.5000	0.0010/0.0050	0.0618	2.6245/2.6255	1.5100
Piston Pin Bushing(6)	C-1	223-3488	STD			0.0405	1.6870/1.6875	1.8540
NOTE: Requires Boring								
Connecting Rod	67 To 69 Lbs.Ft.							
Main Bearing	267 To 275 Lbs.Ft.							
8 CYL								
23	239 CID (3.9L) L-Head Ford V8 Cyl			3.188in./80.98mm x 3.750in./95.3mm				23
Rod Bearing(8)	TM-77	CB-15P	STD, 1, 10, 20, 30, 40, C60	2.1380/2.1390	0.0010/0.0035	0.0755	2.2905/2.2910	0.7700
NOTE: Connecting Rods With 2.291" Bearing Bore Diameter								

MILITARY STANDARD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
23 (Cont.)	239 CID (3.9L) L-Head Ford V8 Cyl			3.188in./80.98mm x 3.750in./95.3mm				23 (Cont.)
Main Bearing Set 1-2 3	TM-77	MS-109P MB-352P MB-1183P(F)		2.4980/2.4990 2.4980/2.4990	0.0009/0.0035 0.0010/0.0036	0.0857 0.0857	2.6700/2.6720 2.6700/2.6720	1.5060 2.2510
NOTE: From 1948								
Cam Bearing Set 1-3 2	B-1	SH-21S SH-21 SH-22	STD	1.7960/1.7970 1.7960/1.7970	0.0010/0.0050 0.0010/0.0050	0.0654 0.0655	1.9275/1.9285 1.9275/1.9285	1.6050 1.3200
Piston Pin Bushing(8)	B	223-3451	STD			0.0360	0.8115/0.8125	1.3220
NOTE: Requires Light Reaming								
Rod Forging C/S Forging	1BA, EBU, 29A-6200, 99A-6200, 8BA-6200B, 8CM-6200B, EBU-6200A, ECC-6205A, ECC-6205B, ECZ-6205B, EDC-6205A, EBU-6205-A, ECE-6205-A 1BA, 2BA, 8BA, EAB, OBA, BA-6303, 99A-6303, 29A-6303A, 29B-6303B, 1BA-6303-A, 1BA-6303-B							
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 95 To 105 Lbs.Ft.							
24	283 CID (4.6L) 283 Chevrolet V8 Cyl			3.875in./98.4mm x 3.000in./76.2mm				24
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set 1-2-3-4 5	TM-77	MS-429P MB-3135P MB-1769P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2978/2.2988	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
Cam Bearing Set 1 2 3-4 5	B-1	SH-287S SH-290 SH-288 SH-287 SH-289	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644 0.0694	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500 0.9500
NOTE: Engines With Notched Rear Camshaft Journal								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: Engines With Smooth Rear Camshaft Journal								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3703526, 3703527, 3784000, 3815281 1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG							
Connecting Rod Connecting Rod Main Bearing	35 Lbs.Ft. (11/32" Bolts) 45 Lbs.Ft. (3/8" Bolts) 60 To 70 Lbs.Ft.							
25	361 CID (5.9L) Chrysler V8 Cyl			4.125in./104.8mm x 3.375in./85.7mm				25
Rod Bearing(8)	TM-77	CB-527P	STD,1,10,20,30,40,C50,C60	2.3740/2.3750	0.0009/0.0034	0.0623	2.5000/2.5005	0.9120
Main Bearing Set 1-2-4-5 3	TM-77	MS-876P MB-2065P MB-2456P(F)	STD,10,20,30,40,C60	2.6245/2.6255 2.6245/2.6255	0.0011/0.0036 0.0011/0.0036	0.0956 0.0956	2.8175/2.8180 2.8175/2.8180	0.9490 1.2240
NOTE: .060" Undersize Set Contains .010" Oversize Length Flanged Bearing,Contains Full Annular Grooved Bearings								
Cam Bearing Set 1 2 3 4 5	B-1	SH-876S SH-876 SH-403 SH-404 SH-405 SH-406	STD	1.9980/1.9990 1.9820/1.9830 1.9670/1.9680 1.9510/1.9520 1.7480/1.7490	0.0025/0.0065 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045	0.0640 0.0645 0.0645 0.0645 0.0645	2.1295/2.1305 2.1135/2.1145 2.0985/2.0995 2.0825/2.0835 1.8795/1.8805	0.7600 0.7600 0.6800 0.7600 0.7600
Rod Forging C/S Forging	1618699, 1737692, 1851535, 2406782, 2951908 1737641, 1737642, 1851527, 2203155, 2203157, 2206157, 2206159, 2482923, 3462923, 3751877, 4027172							
Connecting Rod Main Bearing	45 Lbs.Ft. 85 Lbs.Ft.							

MILITARY STANDARD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
26	534 CID (8.8L) Ford V8 Cyl			4.500in./114.3mm x 4.200in./106.7mm				26
Rod Bearing(8)	TM-77	CB-615P	STD,10,20,30,C40,C60	2.7092/2.7100	0.0013/0.0039	0.0962	2.9032/2.9040	0.8920
NOTE: 2.710" Diameter Connecting Rod Journal								
Main Bearing Set	TM-77	MS-443P	STD,10,20,30					
1-2-4-5		MB-1820P		3.1246/3.1254	0.0013/0.0039	0.0956	3.3176/3.3184	1.1050
3		MB-1821P(F)		3.1246/3.1254	0.0009/0.0035	0.0958	3.3176/3.3184	1.2730
Cam Bearing Set	B-1	SH-369S	STD					
1		SH-369		2.4740/2.4750	0.0010/0.0050	0.0630	2.6020/2.6030	0.6800
2-3-4-5		SH-370		2.3700/2.3710	0.0010/0.0050	0.0630	2.4980/2.4990	0.6800
Rod Forging	EDL, B9TE							
C/S Forging	EDN, C1TE-C, C2TE-A, C2TE-B, EDN-6303A, C1TE-6303C, C1TE-6303-C							
Connecting Rod	60 To 65 Lbs.Ft.							
Main Bearing	150 Lbs.Ft.							
27	568 CID (9.3L) 8V-71 Detroit Diesel Diesel V8 Cyl			4.250in./108mm x 5.000in./127mm				27
Rod Bearing(8)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing Set	TM-112	MS-1386P	STD,10,20,30					
1-2-3-4-5		MB-2687P		4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450
5		MB-2523W		4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-402S	STD					
		MB-2523W		4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 5								
Cam Bearing Set	C-1	SH-476RS	STD,20					
		SH-476R		1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(12)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(12)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS	STD					
		SH-477W		1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Rod Forging	5135051, 5144384							
C/S Forging	511706, 5103281, 5144867							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	155 To 185 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
28	568 CID (9.3L) 8V-71 Detroit Diesel Supercharged Diesel V8 Cyl			4.250in./108mm x 5.000in./127mm				28
Rod Bearing(8)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Cam Bearing Set	C-1	SH-476RS	STD,20					
		SH-476R		1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(12)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(12)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS	STD					
		SH-477W		1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Rod Forging	5135051, 5144384							
C/S Forging	511706, 5103281, 5144867							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	155 To 185 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							

MINNEAPOLIS-MOLINE

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
3 CYL			4 CYL (Cont.)		
3-152 Perkins 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	1	D236 Minneapolis Moline 236 CID (3.9L) Diesel	3.875in./98.4mmX5.000in./127mm	2
4 CYL			D236-4 Minneapolis Moline 236 CID (3.9L) Diesel	3.875in./98.4mmX5.000in./127mm	2
206 Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	2	D283 Minneapolis Moline 283 CID (4.6L) Diesel	4.250in./108mmX5.000in./127mm	6
206-4 Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	2	D283-4 Minneapolis Moline 283 CID (4.6L) Diesel	4.250in./108mmX5.000in./127mm	6
206-4A Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	2	D336 Minneapolis Moline 336 CID (5.5L) Diesel	4.625in./117.5mmX5.000in./127mm	6
206A Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	2	D336-4 Minneapolis Moline 336 CID (5.5L) Diesel	4.625in./117.5mmX5.000in./127mm	6
206B Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	2	D336A Minneapolis Moline 336 CID (5.5L) Diesel	4.625in./117.5mmX5.000in./127mm	6
206H Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	3	D336A-4 Minneapolis Moline 336 CID (5.5L) Diesel	4.625in./117.5mmX5.000in./127mm	6
206K Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	3	DHD236-4A Minneapolis Moline 236 CID (3.9L) Diesel	3.875in./98.4mmX5.000in./127mm	2
206L Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	3	HD220-4A Minneapolis Moline 220 CID (3.6L)	3.750in./95.3mmX5.000in./127mm	3
206M Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	3	HE Minneapolis Moline 403 CID (6.6L)	4.625in./117.5mmX6.000in./152.4mm	5
206N Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	3	HUE Minneapolis Moline 403 CID (6.6L)	4.625in./117.5mmX6.000in./152.4mm	5
220A Minneapolis Moline 220 CID (3.6L)	3.750in./95.3mmX5.000in./127mm	3	KE Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm	4
220A Minneapolis Moline 220 CID (3.6L) LPG	3.750in./95.3mmX5.000in./127mm	3	KEC Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm	4
283 Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm	4	KEF Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm	4
283A Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm	4	KT Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm	4
283B Minneapolis Moline 283 CID (4.6L) Flex	4.250in./108mmX5.000in./127mm	4	KTA Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm	4
283C Minneapolis Moline 283 CID (4.6L) LPG	4.250in./108mmX5.000in./127mm	4	M206 Series Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	3
283E Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm	4	M220-4 Minneapolis Moline 220 CID (3.6L)	3.750in./95.3mmX5.000in./127mm	3
336 Minneapolis Moline 336 CID (5.5L)	4.625in./117.5mmX5.000in./127mm	6	MT Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm	4
336-4 Minneapolis Moline 336 CID (5.5L)	4.625in./117.5mmX5.000in./127mm	6	MTA Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm	4
336A Minneapolis Moline 336 CID (5.5L)	4.625in./117.5mmX5.000in./127mm	6	RE206B Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	2
340-4 Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm	5	RE206G Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	2
340A-4 Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm	5	V206 Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	2
403 Minneapolis Moline 403 CID (6.6L)	4.625in./117.5mmX6.000in./152.4mm	4	V206B Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	2
403-4 Minneapolis Moline 403 CID (6.6L)	4.625in./117.5mmX6.000in./152.4mm	4	6 CYL		
403A Minneapolis Moline 403 CID (6.6L)	4.625in./117.5mmX6.000in./152.4mm	5	6-354 Perkins 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	9
403A-4 Minneapolis Moline 403 CID (6.6L)	4.625in./117.5mmX6.000in./152.4mm	5	425-6 Minneapolis Moline 425 CID (7.0L)	4.250in./108mmX5.000in./127mm	10
403C Minneapolis Moline 403 CID (6.6L)	4.625in./117.5mmX6.000in./152.4mm	5	425A-6 Minneapolis Moline 425 CID (7.0L)	4.250in./108mmX5.000in./127mm	10
403C-4 Minneapolis Moline 403 CID (6.6L)	4.625in./117.5mmX6.000in./152.4mm	5	425B Minneapolis Moline 425 CID (7.0L)	4.250in./108mmX5.000in./127mm	10
403E Minneapolis Moline 403 CID (6.6L)	4.625in./117.5mmX6.000in./152.4mm	5	425B-6 Minneapolis Moline 425 CID (7.0L)	4.250in./108mmX5.000in./127mm	10
403E-4 Minneapolis Moline 403 CID (6.6L)	4.625in./117.5mmX6.000in./152.4mm	5	425C Minneapolis Moline 425 CID (7.0L)	4.250in./108mmX5.000in./127mm	11
D206 Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	3	425C Minneapolis Moline 425 CID (7.0L) LPG	4.250in./108mmX5.000in./127mm	11
D206-4 Minneapolis Moline 206 CID (3.4L) Diesel	3.625in./92.1mmX5.000in./127mm	3	425C-6 Minneapolis Moline 425 CID (7.0L)	4.250in./108mmX5.000in./127mm	11
D206-4A Minneapolis Moline 206 CID (3.4L) Diesel	3.625in./92.1mmX5.000in./127mm	3	605 Minneapolis Moline 605 CID (9.9L)	4.625in./117.5mmX6.000in./152.4mm	13
D206A Minneapolis Moline 206 CID (3.4L) Diesel	3.625in./92.1mmX5.000in./127mm	3	605-6 Minneapolis Moline 605 CID (9.9L)	4.625in./117.5mmX6.000in./152.4mm	13
D206B Minneapolis Moline 206 CID (3.4L) Diesel	3.625in./92.1mmX5.000in./127mm	3	605-6A Minneapolis Moline 605 CID (9.9L)	4.625in./117.5mmX6.000in./152.4mm	13
D206B-4 Minneapolis Moline 206 CID (3.4L) Diesel	3.625in./92.1mmX5.000in./127mm	3	605A Minneapolis Moline 605 CID (9.9L)	4.625in./117.5mmX6.000in./152.4mm	13
D206L Minneapolis Moline 206 CID (3.4L) Diesel	3.625in./92.1mmX5.000in./127mm	3	605A-6 Minneapolis Moline 605 CID (9.9L)	4.625in./117.5mmX6.000in./152.4mm	13
D206L-4 Minneapolis Moline 206 CID (3.4L) Diesel	3.625in./92.1mmX5.000in./127mm	3	605B Minneapolis Moline 605 CID (9.9L)	4.625in./117.5mmX6.000in./152.4mm	13
			605B-6 Minneapolis Moline 605 CID (9.9L)	4.625in./117.5mmX6.000in./152.4mm	13

MINNEAPOLIS-MOLINE (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
625 Minneapolis Moline 605 CID (9.9L)	4.625in./117.5mmX6.000in./152.4mm	13	D605 Minneapolis Moline 605 CID (9.9L) Diesel	4.625in./117.5mmX6.000in./152.4mm	14
625-6 Minneapolis Moline 605 CID (9.9L)	4.625in./117.5mmX6.000in./152.4mm	13	F226 Continental 226 CID (3.7L) Flex	3.313in./84.1mmX4.375in./111.1mm	7
800 Minneapolis Moline 800 CID (13.1L)	5.313in./135mmX6.000in./152.4mm	14	F244 Continental 244 CID (4.0L)	3.438in./87.33mmX4.375in./111.1mm	7
800-6A Minneapolis Moline 800 CID (13.1L) LPG	5.312in./134.9mmX6.000in./152.4mm	14	HD425-6 Minneapolis Moline 425 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	11
Chrysler 265 CID (4.3L)	3.438in./87.33mmX4.750in./120.7mm	8	HD605-6A Minneapolis Moline 605 CID (9.9L) Diesel	4.625in./117.5mmX6.000in./152.4mm	13
CE425 Minneapolis Moline 425 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	10	HD800 Minneapolis Moline 800 CID (13.1L) Diesel	5.313in./135mmX6.000in./152.4mm	14
D425-6 Minneapolis Moline 425 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	12	HD800-6A Minneapolis Moline 800 CID (13.1L)	5.312in./134.9mmX6.000in./152.4mm	14
D425A-6 Minneapolis Moline 425 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	11	HD800A-6A Minneapolis Moline 800 CID (13.1L) Diesel	5.313in./135mmX6.000in./152.4mm	14
D425B-6 Minneapolis Moline 425 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	11	HV Minneapolis Moline 605 CID (9.9L)	4.625in./117.5mmX6.000in./152.4mm	13
D451 Minneapolis Moline 451 CID (7.4L) Diesel	4.375in./111.1mmX5.000in./127mm	11	Ind 8 Chrysler 251 CID (4.1L)	3.438in./87.33mmX4.500in./114.3mm	8
D451-6 Minneapolis Moline 451 CID (7.4L) Diesel	4.375in./111.1mmX5.000in./127mm	11	Ind 8A Chrysler 251 CID (4.1L)	3.438in./87.33mmX4.500in./114.3mm	8

MODEL DATA

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
4 Star Super	Wheel Tractor	206 CID (3.4L) D206 Minneapolis Moline	3	CU Series Base Model	Wheel Tractor	283 CID (4.6L) 283E Minneapolis Moline	4
5 Star Universal	Wheel Tractor	283 CID (4.6L) 283E Minneapolis Moline	4	CU Series Base Model	Wheel Tractor	425 CID (7.0L) CE425 Minneapolis Moline	10
5 Star Universal	Wheel Tractor	336 CID (5.5L) D336 Minneapolis Moline Diesel	6	G701 Base Model	Wheel Tractor	425 CID (7.0L) D425-6 Minneapolis Moline Diesel	12
445 Universal Utility	Wheel Tractor	206 CID (3.4L) 206H Minneapolis Moline	3	G705 Base Model	Wheel Tractor	425 CID (7.0L) D425-6 Minneapolis Moline Diesel	12
525 Edible Bean	Combine	251 CID (4.1L) Ind 8A Chrysler	8	G900 Base Model	Wheel Tractor	425 CID (7.0L) D425-6 Minneapolis Moline Diesel	12
535 Base Model	Combine	152 CID (2.5L) 3-152 Perkins Diesel	1	G900 Base Model	Wheel Tractor	451 CID (7.4L) D451 Minneapolis Moline Diesel	11
535 Rice	Combine	265 CID (4.3L) Chrysler	8	G950 Base Model	Wheel Tractor	425 CID (7.0L) D425-6 Minneapolis Moline Diesel	12
545 Base Model	Combine	152 CID (2.5L) 3-152 Perkins Diesel	1	G950 Base Model	Wheel Tractor	451 CID (7.4L) D451 Minneapolis Moline Diesel	11
545 Base Model	Combine	265 CID (4.3L) Chrysler	8	G955 Base Model	Wheel Tractor	425 CID (7.0L) D425-6 Minneapolis Moline Diesel	12
545 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	9	G Base Model	Wheel Tractor	403 CID (6.6L) 403C-4 Minneapolis Moline	5
570 Base Model	Combine	226 CID (3.7L) F226 Continental	7	G Base Model	Wheel Tractor	425 CID (7.0L) D425-6 Minneapolis Moline Diesel	12
1960 Base Model	Wheel Tractor	206 CID (3.4L) 206N Minneapolis Moline	3	G-VI Base Model	Wheel Tractor	425 CID (7.0L) D425-6 Minneapolis Moline Diesel	12
2890 Base Model	Combine	251 CID (4.1L) Ind 8A Chrysler	8	GB Base Model	Wheel Tractor	403 CID (6.6L) 403C Minneapolis Moline	5
3490 Base Model	Combine	265 CID (4.3L) Chrysler	8	GBD Base Model	Wheel Tractor	425 CID (7.0L) D425-6 Minneapolis Moline Diesel	12
3496 Rice	Combine	265 CID (4.3L) Chrysler	8	GTB D	Wheel Tractor	403 CID (6.6L) 403A Minneapolis Moline	5
3497 Base Model	Combine	265 CID (4.3L) Chrysler	8	GTB D	Wheel Tractor	425 CID (7.0L) CE425 Minneapolis Moline	10
4290 Rice	Combine	265 CID (4.3L) Chrysler	8	GTC Base Model	Wheel Tractor	403 CID (6.6L) 403A Minneapolis Moline	5
4292 Base Model	Combine	265 CID (4.3L) Chrysler	8	GTX Base Model	Wheel Tractor	605 CID (9.9L) 605-6 Minneapolis Moline	13
4293 Base Model	Combine	265 CID (4.3L) Chrysler	8	Ind. 400 Base Model	Wheel Tractor	206 CID (3.4L) D206 Minneapolis Moline	3
4296 Base Model	Combine	265 CID (4.3L) Chrysler	8	Ind. 500 Base Model	Wheel Tractor	206 CID (3.4L) D206 Minneapolis Moline	3
4597 Base Model	Combine	265 CID (4.3L) Chrysler	8	Jet Star 3	Wheel Tractor	206 CID (3.4L) D206-4A Minneapolis Moline Diesel	3
5542 Base Model	Combine	265 CID (4.3L) Chrysler	8	KU Base Model	Wheel Tractor	283 CID (4.6L) 283E Minneapolis Moline	4
5542 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	9				
7300 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	9				
7600 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	9				
Big MO400 Base Model	Wheel Tractor	206 CID (3.4L) D206 Minneapolis Moline	3				
Big MO500 Base Model	Wheel Tractor	206 CID (3.4L) D206 Minneapolis Moline	3				
Big MO600 Base Model	Wheel Tractor	206 CID (3.4L) D206 Minneapolis Moline	3				

MINNEAPOLIS-MOLINE (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
L Base Model	Wheel Tractor	206 CID (3.4L) V206B Minneapolis Moline	2	Base Model	Engine	283 CID (4.6L) MTA Minneapolis Moline	4
LA Base Model	Combine	206 CID (3.4L) V206B Minneapolis Moline	2	Base Model	Engine	336 CID (5.5L) D336A-4 Minneapolis Moline Diesel	6
LB Base Model	Combine	206 CID (3.4L) V206B Minneapolis Moline	2	Base Model	Engine	403 CID (6.6L) HUE Minneapolis Moline	5
LC Base Model	Combine	206 CID (3.4L) V206B Minneapolis Moline	2	Base Model	Engine	425 CID (7.0L) HD425-6 Minneapolis Moline Diesel	11
LD Base Model	Combine	206 CID (3.4L) V206B Minneapolis Moline	2	Base Model	Engine	451 CID (7.4L) D451-6 Minneapolis Moline Diesel	11
M5 Standard	Wheel Tractor	336 CID (5.5L) D336-4 Minneapolis Moline Diesel	6	Base Model	Engine	605 CID (9.9L) HV Minneapolis Moline	13
M220 A	Wheel Tractor	220 CID (3.6L) 220A Minneapolis Moline	3	Base Model	Engine	800 CID (13.1L) HD800A-6A Minneapolis Moline Diesel	14
M504 Base Model	Wheel Tractor	336 CID (5.5L) D336-4 Minneapolis Moline Diesel	6	RUA Base Model	Power Unit	206 CID (3.4L) 206 Minneapolis Moline	2
M602 Standard	Wheel Tractor	336 CID (5.5L) D336-4 Minneapolis Moline Diesel	6	S24 Base Model	Combine	206 CID (3.4L) 206 Minneapolis Moline	2
M604 Base Model	Wheel Tractor	336 CID (5.5L) D336-4 Minneapolis Moline Diesel	6	SP168 Rice	Combine	206 CID (3.4L) V206B Minneapolis Moline	2
M670 Super	Wheel Tractor	336 CID (5.5L) D336A Minneapolis Moline Diesel	6	SP168 S	Combine	226 CID (3.7L) F226 Continental	7
MD400 Base Model	Wheel Tractor	206 CID (3.4L) D206 Minneapolis Moline	3	SP168 S	Combine	244 CID (4.0L) F244 Continental	7
MD500 Base Model	Wheel Tractor	206 CID (3.4L) D206 Minneapolis Moline	3	U Type S	Wheel Tractor	283 CID (4.6L) D283 Minneapolis Moline Diesel	6
MY40 Base Model	Fork Lift	206 CID (3.4L) D206 Minneapolis Moline	3	U-302 Base Model	Wheel Tractor	220 CID (3.6L) 220A Minneapolis Moline	3
MY40 Base Model	Fork Lift	220 CID (3.6L) 220A Minneapolis Moline	3	UB UD	Wheel Tractor	283 CID (4.6L) D283 Minneapolis Moline Diesel	6
MY50 Base Model	Fork Lift	206 CID (3.4L) D206 Minneapolis Moline	3	UB U	Wheel Tractor	336 CID (5.5L) D336-4 Minneapolis Moline Diesel	6
MY50 Base Model	Fork Lift	220 CID (3.6L) 220A Minneapolis Moline	3	UT SD	Wheel Tractor	283 CID (4.6L) D283 Minneapolis Moline Diesel	6
MY60 Base Model	Fork Lift	206 CID (3.4L) D206 Minneapolis Moline	3	Uni-Combine W-4	Combine	206 CID (3.4L) 206A Minneapolis Moline	2
MY60 Base Model	Fork Lift	220 CID (3.6L) 220A Minneapolis Moline	3	Uni-Harvester 120	Combine	206 CID (3.4L) V206B Minneapolis Moline	2
MY70 Base Model	Fork Lift	206 CID (3.4L) D206 Minneapolis Moline	3	Uni-L Base Model	Combine	206 CID (3.4L) V206B Minneapolis Moline	2
MY70 Base Model	Fork Lift	220 CID (3.6L) 220A Minneapolis Moline	3	Uni-Tractor Base Model	Wheel Tractor	206 CID (3.4L) V206B Minneapolis Moline	2
Montiac Base Model	Wheel Tractor	206 CID (3.4L) 206M Minneapolis Moline	3	Z Universal	Wheel Tractor	206 CID (3.4L) RE206B Minneapolis Moline	2
Base Model	Engine	206 CID (3.4L) M206 Series Minneapolis Moline	3	Z Types Base Model	Wheel Tractor	206 CID (3.4L) RE206G Minneapolis Moline	2
Base Model	Engine	220 CID (3.6L) HD220-4A Minneapolis Moline	3	ZM Industrial Base Model	Wheel Tractor	220 CID (3.6L) M220-4 Minneapolis Moline	3
Base Model	Engine	236 CID (3.9L) DHD236-4A Minneapolis Moline Diesel	2				

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
10A-5090	5.000in./127mm	6	665679	4.500in./114.3mm	8	31337140	5.000in./127mm	1	F600D-402	4.375in./111.1mm	7
10A-5090	5.000in./127mm	11	666746	4.500in./114.3mm	8	31337180JGSB	5.000in./127mm	9	F600D-405	4.375in./111.1mm	7
10A-5090	5.000in./127mm	12	954418	4.500in./114.3mm	8	31337220	5.000in./127mm	1			
52813	5.000in./127mm	1	954428	4.500in./114.3mm	8	31337310	5.000in./127mm	9			
59554	5.000in./127mm	9	1400244	4.500in./114.3mm	8	F600D-310	4.375in./111.1mm	7			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
10A-2700	5.000in./127mm	2	762706	4.500in./114.3mm	8	EE-351	5.000in./127mm	3	F600C-506A	4.375in./111.1mm	7
10A-5099	5.000in./127mm	6	863706	4.500in./114.3mm	8	F600C-217	4.375in./111.1mm	7	F600C-536	4.375in./111.1mm	7
10A-6032	5.000in./127mm	3	864718	4.500in./114.3mm	8	F600C-344	4.375in./111.1mm	7	F600C-601	4.375in./111.1mm	7
10A-10247	5.000in./127mm	6	870715	4.500in./114.3mm	8	F600C-368	4.375in./111.1mm	7	F600C-606A	4.375in./111.1mm	7
10A-12751	5.000in./127mm	3	870744	4.500in./114.3mm	8	F600C-500A	4.375in./111.1mm	7	F600C-606C	4.375in./111.1mm	7
665792	4.500in./114.3mm	8	3132302	5.000in./127mm	9	F600C-502	4.375in./111.1mm	7	FE-4D	6.000in./152.4mm	5
666739	4.500in./114.3mm	8	31322302	5.000in./127mm	9	F600C-502A	4.375in./111.1mm	7	HE-401-A	6.000in./152.4mm	13
673498	4.500in./114.3mm	8	CE-401-A	5.000in./127mm	10	F600C-504	4.375in./111.1mm	7	KE-401-B	5.000in./127mm	4

MINNEAPOLIS-MOLINE (Cont.)									
CRANKSHAFT FORGING NUMBERS (Cont.)									
Forging No. LE-401	Stroke 6.000in./152.4mm	Block 5							
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
3 CYL									
1	152 CID (2.5L) 3-152 Perkins Diesel 3 Cyl				3.600in./91.4mm x 5.000in./127mm				1
Rod Bearing(3)	AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900	
Main Bearing Set	AL-3	MS-772AL	STD,10,20,30						
1		MB-2186AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.3050	
2-3		MB-2187AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.0000	
4		MB-2302AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.6050	
Thrust Washer Set		TW-119S	STD						
		MB-2188W(L)		3.0450/3.0550			3.5520/3.5620	0.1230	
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230	
NOTE: From Engine Serial Number 1400250, Thru Eng Serial Number 1412719, Contains 4 Pieces, Position Number 4, Use With Part Number MS-772AL									
Thrust Washer Set		TW-128S	STD						
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230	
NOTE: Thru Engine Serial Number 1400250, Contains 2 Pieces, Position Number 4, Use With Part Number MS-772AL									
Thrust Washer Set		TW-130S	STD						
		MB-2292W(L)		3.0450/3.0550			3.5520/3.5620	0.1230	
		MB-2292W(U)		3.0450/3.0550			3.5520/3.5620	0.1230	
NOTE: From Eng Serial Number 1412720, Contains 4 Pieces, Position Number 4, Use With Part Number MS-772AL									
Piston Pin Bushing(3)	C-1	223-3594	STD			0.8500	1.3757/1.3762	1.0630	
NOTE: Requires Boring									
Rod Forging	52813, 31337140, 31337220								
Connecting Rod	70 To 80 Lbs.Ft.								
Main Bearing	110 To 120 Lbs.Ft.								
4 CYL									
2	206 CID (3.4L) 206,206-4,206-4A,206A,206B,RE206B,RE206G,V206,V206B Minneapolis Moline 4 Cyl				3.625in./92.1mm x 5.000in./127mm				2
	236 CID (3.9L) D236-4,D236,DHD236-4A Minneapolis Moline Diesel 4 Cyl				3.875in./98.4mm x 5.000in./127mm				
Rod Bearing(4)	TM-112	CB-594P	STD,10,20	2.6245/2.6250	0.0016/0.0036	0.0727	2.7715/2.7720	1.2300	
C/S Forging	10A-2700								
Connecting Rod	60 To 65 Lbs.Ft.								
Main Bearing	55 To 60 Lbs.Ft.								
3	206 CID (3.4L) 206H Minneapolis Moline 4 Cyl (1956-1959)				3.625in./92.1mm x 5.000in./127mm				3
	206 CID (3.4L) 206K,206L,206M,206N,D206,M206 Series Minneapolis Moline 4 Cyl				3.625in./92.1mm x 5.000in./127mm				
	206 CID (3.4L) D206-4A,D206-4,D206A,D206B-4,D206B,D206L-4,D206L Minneapolis Moline Diesel 4 Cyl				3.625in./92.1mm x 5.000in./127mm				
	220 CID (3.6L) 220A,HD220-4A,M220-4 Minneapolis Moline 4 Cyl				3.750in./95.3mm x 5.000in./127mm				
	220 CID (3.6L) 220A Minneapolis Moline LPG 4 Cyl				3.750in./95.3mm x 5.000in./127mm				
Rod Bearing(4)	TM-112	CB-594P	STD,10,20	2.6245/2.6250	0.0016/0.0036	0.0727	2.7715/2.7720	1.2300	
Main Bearing Set	TM-112	MS-900P	STD						
1-2		MB-2496P		2.7495/2.7500	0.0018/0.0043	0.0850	2.9215/2.9225	1.6250	
3		MB-2032P(F)		2.9995/3.0000	0.0017/0.0042	0.1053	3.2120/3.2130	2.1850	
C/S Forging	EE-351, 10A-6032, 10A-12751								
Connecting Rod	60 To 65 Lbs.Ft.								
Main Bearing	60 To 65 Lbs.Ft. (Bearing Cap Number 3)								
Main Bearing	90 To 100 Lbs.Ft. (Bearing Caps Number 1 and 2)								
4	283 CID (4.6L) 283,283A,283E,KE,KEC,KEF,KT,KTA,MT,MTA Minneapolis Moline 4 Cyl				4.250in./108mm x 5.000in./127mm				4
	283 CID (4.6L) 283B Minneapolis Moline Flex 4 Cyl				4.250in./108mm x 5.000in./127mm				
	283 CID (4.6L) 283C Minneapolis Moline LPG 4 Cyl				4.250in./108mm x 5.000in./127mm				
	403 CID (6.6L) 403,403-4 Minneapolis Moline 4 Cyl				4.625in./117.5mm x 6.000in./152.4mm				
Rod Bearing(4)	TM-112	CB-592P	STD,20,30	2.5770/2.5775	0.0014/0.0039	0.0853	2.7490/2.7500	2.2220	
NOTE: Thru Eng. Serial No. 334001									

MINNEAPOLIS-MOLINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
4 (Cont.)	283 CID (4.6L) 283,283A,283E,KE,KEC,KEF,KT,KTA,MT,MTA Minneapolis Moline 4 Cyl			4.250in./108mm x 5.000in./127mm				4 (Cont.)
	283 CID (4.6L) 283B Minneapolis Moline Flex 4 Cyl			4.250in./108mm x 5.000in./127mm				
	283 CID (4.6L) 283C Minneapolis Moline LPG 4 Cyl			4.250in./108mm x 5.000in./127mm				
	403 CID (6.6L) 403,403-4 Minneapolis Moline 4 Cyl			4.625in./117.5mm x 6.000in./152.4mm				
C/S Forging KE-401-B								
Connecting Rod 80 To 85 Lbs.Ft.								
Main Bearing 100 To 105 Lbs.Ft. (Bearing Caps Number 2 And 3)								
Main Bearing 130 To 140 Lbs.Ft. (Bearing Cap Number 1)								
5	283 CID (4.6L) 340-4,340A-4 Minneapolis Moline 4 Cyl			4.250in./108mm x 5.000in./127mm				5
	403 CID (6.6L) 403A,403A-4,403C,403C-4,403E,403E-4,HE,HUE Minneapolis Moline 4 Cyl			4.625in./117.5mm x 6.000in./152.4mm				
Rod Bearing(4)	TM-112	CB-448P	STD,10	2.7495/2.7500	0.0012/0.0037	0.0854	2.9215/2.9225	2.1000
C/S Forging FE-4D, LE-401								
Connecting Rod 64 To 68 Lbs.Ft.								
Main Bearing 60 To 64 Lbs.Ft. (Bearing Caps Number 2 And 3)								
Main Bearing 88 To 96 Lbs.Ft. (Bearing Cap Number 1)								
6	283 CID (4.6L) D283-4,D283 Minneapolis Moline Diesel 4 Cyl			4.250in./108mm x 5.000in./127mm				6
	336 CID (5.5L) 336,336-4,336A,336A-4 Minneapolis Moline 4 Cyl			4.625in./117.5mm x 5.000in./127mm				
	336 CID (5.5L) D336-4,D336A-4,D336A,D336 Minneapolis Moline Diesel 4 Cyl			4.625in./117.5mm x 5.000in./127mm				
Rod Bearing(4)	TM-112	CB-591P	STD,10,20	2.9115/2.9120	0.0019/0.0044	0.1053	3.1240/3.1250	2.0780
Rod Forging 10A-5090								
C/S Forging 10A-5099, 10A-10247								
Connecting Rod 80 To 85 Lbs.Ft.								
Main Bearing 100 To 105 Lbs.Ft. (Bearing Caps Number 2 And 3)								
Main Bearing 195 To 205 Lbs.Ft. (Bearing Cap Number 1)								
6 CYL								
7	226 CID (3.7L) F226 Continental Flex 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				7
	244 CID (4.0L) F244 Continental 6 Cyl			3.438in./87.33mm x 4.375in./111.1mm				
Rod Bearing(6)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Main Bearing Set	TM-77	MS-440P-20						
1		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2-3		MB-1225P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5615/2.5622	1.3170
4		MB-1226P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.4890
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set		TW-417S	STD					
		MB-1224FW		2.4062			3.3125	0.1260
NOTE: Contains 1 Piece, Front,Position Number 1								
Thrust Washer Set		TW-418S	STD					
		MB-1224RW		2.4030			3.3750	0.0950
NOTE: Contains 1 Piece, Position Number 1,Rear								
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								

MINNEAPOLIS-MOLINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
7 (Cont.)	226 CID (3.7L) F226 Continental Flex 6 Cyl				3.313in./84.1mm x 4.375in./111.1mm			7 (Cont.)
	244 CID (4.0L) F244 Continental 6 Cyl				3.438in./87.33mm x 4.375in./111.1mm			
Rod Forging	F600D-310, F600D-402, F600D-405							
C/S Forging	F600C-217, F600C-344, F600C-368, F600C-502, F600C-504, F600C-536, F600C-601, F600C-500A, F600C-502A, F600C-506A, F600C-606A, F600C-606C							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
8	251 CID (4.1L) Ind 8,Ind 8A Chrysler 6 Cyl				3.438in./87.33mm x 4.500in./114.3mm			8
	265 CID (4.3L) Chrysler 6 Cyl				3.438in./87.33mm x 4.750in./120.7mm			
Rod Bearing(6)	TM-77	CB-90P	STD,1,10,20,30,40,C60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	1.0850
Main Bearing Set	TM-77	MS-107P	STD,10,20					
1-2-3		MB-327P		2.4995/2.5005	0.0011/0.0036	0.0776	2.6565/2.6570	1.1810
4		MB-328P(F)		2.4995/2.5005	0.0017/0.0042	0.0774	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-37S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-37		1.9665/1.9675	0.0005/0.0045	0.0652	2.0985/2.0995	1.0700
3		SH-38		1.9350/1.9360	0.0005/0.0044	0.0653	2.0670/2.0680	1.0690
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	665679, 666746, 954418, 954428, 1400244							
C/S Forging	665792, 666739, 673498, 762706, 863706, 864718, 870715, 870744							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
9	354 CID (5.8L) 6-354 Perkins Diesel 6 Cyl				3.877in./98.5mm x 5.000in./127mm			9
Rod Bearing(6)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set	AL-3	MS-757AL	STD,10,20,30					
1-2-3-5-6-7		MB-2221AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2550
4		MB-2222AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-121S	STD					
		MB-2222W(L)		3.4200/3.4300			4.0880/4.0980	0.0910
		MB-2222W(U)		3.4200/3.4300			4.0880/4.0980	0.0910
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4, Use With Part Number MS-757AL								
Thrust Washer Set		TW-316S	STD					
		MB-2636W(L)		3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(U)		3.4200/3.4300			4.0880/4.0980	0.0900
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4								
Rod Forging	59554, 31337310, 31337180JGSB							
C/S Forging	3132302, 31322302							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	145 To 150 Lbs.Ft.							
10	425 CID (7.0L) 425-6,425A-6,425B,425B-6,CE425 Minneapolis Moline 6 Cyl				4.250in./108mm x 5.000in./127mm			10
Rod Bearing(6)	TM-112	CB-592P	STD,20,30	2.5770/2.5775	0.0014/0.0039	0.0853	2.7490/2.7500	2.2220
C/S Forging	CE-401-A							
Connecting Rod	80 To 85 Lbs.Ft.							
Main Bearing	100 To 105 Lbs.Ft. (Bearing Caps Number 2, 3, And 4)							
Main Bearing	130 To 140 Lbs.Ft. (Bearing Cap Number 1)							
11	425 CID (7.0L) 425C,425C-6 Minneapolis Moline 6 Cyl				4.250in./108mm x 5.000in./127mm			11
	425 CID (7.0L) 425C Minneapolis Moline LPG 6 Cyl				4.250in./108mm x 5.000in./127mm			
	425 CID (7.0L) D425A-6,D425B-6,HD425-6 Minneapolis Moline Diesel 6 Cyl				4.250in./108mm x 5.000in./127mm			
	451 CID (7.4L) D451-6,D451 Minneapolis Moline Diesel 6 Cyl				4.375in./111.1mm x 5.000in./127mm			
Rod Bearing(6)	TM-112	CB-591P	STD,10,20	2.9115/2.9120	0.0019/0.0044	0.1053	3.1240/3.1250	2.0780
Rod Forging	10A-5090							

MINNEAPOLIS-MOLINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
11 (Cont.)	425 CID (7.0L) 425C,425C-6 Minneapolis Moline 6 Cyl			4.250in./108mm x 5.000in./127mm				11 (Cont.)
	425 CID (7.0L) 425C Minneapolis Moline LPG 6 Cyl			4.250in./108mm x 5.000in./127mm				
	425 CID (7.0L) D425A-6,D425B-6,HD425-6 Minneapolis Moline Diesel 6 Cyl			4.250in./108mm x 5.000in./127mm				
	451 CID (7.4L) D451-6,D451 Minneapolis Moline Diesel 6 Cyl			4.375in./111.1mm x 5.000in./127mm				
Connecting Rod		80 To 85 Lbs.Ft.						
Main Bearing		195 To 205 Lbs.Ft. (Bearing Cap Number 1)						
Main Bearing		95 To 105 Lbs.Ft. (Bearing Caps Number 2, 3, And 4)						
12	425 CID (7.0L) D425-6 Minneapolis Moline Diesel 6 Cyl			4.250in./108mm x 5.000in./127mm				12
Rod Bearing(6) TM-112 CB-591P STD,10,20				2.9115/2.9120	0.0019/0.0044	0.1053	3.1240/3.1250	2.0780
NOTE: From Engine Serial Number 06700858								
Rod Bearing(6) TM-112 CB-592P STD,20,30				2.5770/2.5775	0.0014/0.0039	0.0853	2.7490/2.7500	2.2220
NOTE: Thru Eng. Serial No. 06700858								
Rod Forging 10A-5090								
Connecting Rod		80 To 85 Lbs.Ft.						
Main Bearing		195 To 205 Lbs.Ft. (Bearing Cap Number 1)						
Main Bearing		95 To 105 Lbs.Ft. (Bearing Caps Number 2, 3, And 4)						
13	605 CID (9.9L) 605,605-6,605-6A,605A,605A-6,605B,605B-6,625,625-6,HV Minneapolis Moline 6 Cyl			4.625in./117.5mm x 6.000in./152.4mm				13
	605 CID (9.9L) HD605-6A Minneapolis Moline Diesel 6 Cyl			4.625in./117.5mm x 6.000in./152.4mm				
Rod Bearing(6) TM-112 CB-448P STD,10				2.7495/2.7500	0.0012/0.0037	0.0854	2.9215/2.9225	2.1000
C/S Forging HE-401-A								
Connecting Rod		80 To 85 Lbs.Ft.						
Main Bearing		100 To 105 Lbs.Ft. (Bearing Caps Number 2, 3, And 4)						
Main Bearing		135 To 140 Lbs.Ft. (Bearing Cap Number 1)						
14	605 CID (9.9L) D605 Minneapolis Moline Diesel 6 Cyl			4.625in./117.5mm x 6.000in./152.4mm				14
	800 CID (13.1L) 800 Minneapolis Moline 6 Cyl			5.313in./135mm x 6.000in./152.4mm				
	800 CID (13.1L) 800-6A Minneapolis Moline LPG 6 Cyl			5.312in./134.9mm x 6.000in./152.4mm				
	800 CID (13.1L) HD800-6A Minneapolis Moline 6 Cyl			5.312in./134.9mm x 6.000in./152.4mm				
	800 CID (13.1L) HD800A-6A,HD800 Minneapolis Moline Diesel 6 Cyl			5.313in./135mm x 6.000in./152.4mm				
Rod Bearing(6) TM-112 CB-701P STD,10,20				3.2480/3.2490	0.0021/0.0051	0.1247	3.5000/3.5010	1.9220
Connecting Rod		60 To 65 Lbs.Ft.						
Main Bearing		110 To 120 Lbs.Ft. (Bearing Caps Number 2, 3, And 4)						
Main Bearing		145 To 155 Lbs.Ft. (Bearing Cap Number 1)						

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ENGINE DATA							
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				4 CYL (Cont.)			
1468CC (1.5L) 4G15 12 Valve	1991-1998	2.972in./75.5mmX3.228in./82mm	1	1997CC (2.0L) 4G63 DOHC	1989-1994	3.346in./85mmX3.465in./88mm	8
1468CC (1.5L) 4G15 8 Valve	1989-1990	2.972in./75.5mmX3.228in./82mm	1	1997CC (2.0L) 4G63 SOHC 16 Valve	1993	3.346in./85mmX3.465in./88mm	9
1468CC (1.5L) G15B	1985-1988	2.972in./75.5mmX3.228in./82mm	2	1997CC (2.0L) 4G63 SOHC 8 Valve	1989-1992	3.346in./85mmX3.465in./88mm	8
1468CC (1.5L) G4AJ 8 Valve	1987-1989	2.972in./75.5mmX3.228in./82mm	2	1997CC (2.0L) 4G63T DOHC TURBO	1989-1998	3.346in./85mmX3.465in./88mm	8
1468CC (1.5L) G4DJ 8 Valve	1990-1994	2.972in./75.5mmX3.228in./82mm	1	Turbocharged			
1595CC (1.6L) 4G61 DOHC	1991-1992	3.240in./82.3mmX2.953in./75mm	3	1997CC (2.0L) G63B SOHC	1983-1989	3.346in./85mmX3.465in./88mm	10
1595CC (1.6L) 4G61 DOHC Turbocharged	1989-1990	3.240in./82.3mmX2.953in./75mm	3	2346CC (2.3L) 4D55 Turbocharged Diesel	1983-1985	3.587in./91.1mmX3.543in./90mm	11
1597CC (1.6L) G32B SOHC Turbocharged	1985-1988	3.028in./76.9mmX3.386in./86mm	3	2351CC (2.4L) 4G64 DOHC	1994	3.406in./86.5mmX3.937in./100mm	9
1755CC (1.8L) 4G37	1989-1994	3.173in./80.6mmX3.386in./86mm	4	2351CC (2.4L) 4G64 SOHC 16 Valve	1993-1999	3.406in./86.5mmX3.937in./100mm	9
1794CC (1.8L) G62B	1983	3.173in./80.6mmX3.465in./88mm	5	2351CC (2.4L) 4G64 SOHC 8 Valve	1989-1996	3.406in./86.5mmX3.937in./100mm	9
1794CC (1.8L) G62B Turbocharged	1984-1988	3.173in./80.6mmX3.465in./88mm	5	2351CC (2.4L) G64B SOHC	1985-1988	3.406in./86.5mmX3.937in./100mm	10
1834CC (1.8L) 4G93	1992-2001	3.189in./81mmX3.504in./89mm	6	2555CC (2.6L) G54B	1983-1989	3.587in./91.1mmX3.858in./98mm	12
122 CID (2.0L) DOHC Chrysler	1995-1999	3.445in./87.5mmX3.268in./83mm	7				

MITSUBISHI (Cont.)

ENGINE DATA (Cont.)

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL (Cont.)				6 CYL (Cont.)			
2555CC (2.6L) G54B Turbocharged	1983-1989	3.587in./91.1mmX3.858in./98mm	12	2972CC (3.0L) 6G72 SOHC 12 Valve	1988-1999	3.587in./91.1mmX2.992in./76mm	15
2659CC (2.7L) 4DR5 Diesel	1971-1991	3.622in./92mmX3.937in./100mm	13	2972CC (3.0L) 6G72 SOHC 24 Valve	1994-2001	3.587in./91.1mmX2.992in./76mm	15
6 CYL				3497CC (3.5L) 6G74 DOHC	1994-1996	3.661in./93mmX3.386in./86mm	16
2497CC (2.5L) 6G73 24 Valve SOHC	1995	3.290in./83.5mmX2.992in./76mm	14	3497CC (3.5L) 6G74 SOHC	1997-2002	3.661in./93mmX3.386in./86mm	16
2972CC (3.0L) 6G72 DOHC (Nat. Asp.)	1991-1999	3.587in./91.1mmX2.992in./76mm	15	3988CC (4.0L) 6DR5 Diesel	1970-1991	3.622in./92mmX3.937in./100mm	17
2972CC (3.0L) 6G72 DOHC Twin Turbo Turbocharged	1991-1999	3.587in./91.1mmX2.992in./76mm	15				

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
2300	2346CC (2.3L) 4D55 Diesel	1983-1985	11	Galant	2972CC (3.0L) 6G72 SOHC 12 Valve	1988	15
2600	2555CC (2.6L) G54B	1983-1986	12	Galant	2972CC (3.0L) 6G72 SOHC 24 Valve	1999-2003	15
3000GT	2972CC (3.0L) 6G72 SOHC 12 Valve	1997-1999	15	Mighty Max	1997CC (2.0L) G63B SOHC	1983-1989	10
3000GT	2972CC (3.0L) 6G72 DOHC (Nat. Asp.)	1991-1999	15	Mighty Max	2351CC (2.4L) 4G64 SOHC 8 Valve	1990-1996	9
3000GT	2972CC (3.0L) 6G72 DOHC Twin Turbo	1991-1999	15	Mighty Max	2555CC (2.6L) G54B	1984-1989	12
Cordia	1794CC (1.8L) G62B	1983	5	Mighty Max	2972CC (3.0L) 6G72 SOHC 12 Valve	1990-1995	15
Cordia	1794CC (1.8L) G62B	1984-1988	5	Mirage	1468CC (1.5L) G15B	1985-1988	2
Cordia	1997CC (2.0L) G63B SOHC	1984-1988	10	Mirage	1468CC (1.5L) 4G15 8 Valve	1989-1990	1
Diamante	2972CC (3.0L) 6G72 SOHC 12 Valve	1992-1996	15	Mirage	1468CC (1.5L) 4G15 12 Valve	1991-2002	1
Diamante	2972CC (3.0L) 6G72 DOHC (Nat. Asp.)	1992-1995	15	Mirage	1595CC (1.6L) 4G61 DOHC	1989-1990	3
Diamante	3497CC (3.5L) 6G74 SOHC	1997-2004	16	Mirage	1595CC (1.6L) 4G61 DOHC	1991-1992	3
Eclipse	122 CID (2.0L) DOHC Chrysler	1995-1999	7	Mirage	1597CC (1.6L) G32B SOHC	1985-1988	3
Eclipse	1755CC (1.8L) 4G37	1989-1994	4	Mirage	1834CC (1.8L) 4G93	1993-2002	6
Eclipse	1997CC (2.0L) 4G63 DOHC	1989-1994	8	Montero	2555CC (2.6L) G54B	1983-1989	12
Eclipse	1997CC (2.0L) 4G63T DOHC TURBO	1989-1999	8	Montero	2972CC (3.0L) 6G72 SOHC 12 Valve	1989-1994	15
Eclipse	2351CC (2.4L) 4G64 SOHC 16 Valve	1996-2005	9	Montero	2972CC (3.0L) 6G72 SOHC 24 Valve	1994-1996	15
Eclipse	2972CC (3.0L) 6G72 SOHC 24 Valve	2000-2005	15	Montero	3497CC (3.5L) 6G74 DOHC	1994-1996	16
Expo	2351CC (2.4L) 4G64 SOHC 8 Valve	1992	9	Montero	3497CC (3.5L) 6G74 SOHC	1997-2002	16
Expo	2351CC (2.4L) 4G64 SOHC 16 Valve	1993-1995	9	Montero Sport	2351CC (2.4L) 4G64 SOHC 16 Valve	1997-1999	9
Expo LRV	1834CC (1.8L) 4G93	1992-1995	6	Montero Sport	2972CC (3.0L) 6G72 SOHC 24 Valve	1997-2003	15
Expo LRV	2351CC (2.4L) 4G64 SOHC 16 Valve	1993-1994	9	Montero Sport	3497CC (3.5L) 6G74 SOHC	1999-2004	16
FD 15	2659CC (2.7L) 4DR5 Diesel	1971-1991	13	Precis	1468CC (1.5L) G4AJ 8 Valve	1987-1989	2
Forklift	3988CC (4.0L) 6DR5 Diesel		17	Precis	1468CC (1.5L) G4DJ 8 Valve	1990-1994	1
Galant	1997CC (2.0L) 4G63 DOHC	1989-1993	8	SPX	2555CC (2.6L) G54B	1987-1989	12
Galant	1997CC (2.0L) 4G63 SOHC 8 Valve	1989-1992	8	Sigma	2972CC (3.0L) 6G72 SOHC 12 Valve	1989-1990	15
Galant	1997CC (2.0L) 4G63T DOHC TURBO	1991-1992	8	Starion	2555CC (2.6L) G54B	1983-1989	12
Galant	1997CC (2.0L) 4G63 SOHC 16 Valve	1993	9	Tredia	1794CC (1.8L) G62B	1983	5
Galant	2351CC (2.4L) G64B SOHC	1985-1987	10	Tredia	1794CC (1.8L) G62B	1984-1988	5
Galant	2351CC (2.4L) 4G64 SOHC 16 Valve	1994-2003	9	Tredia	1997CC (2.0L) G63B SOHC	1984-1988	10
Galant	2351CC (2.4L) 4G64 DOHC	1994	9	Van	2351CC (2.4L) G64B SOHC	1987-1988	10
Galant	2497CC (2.5L) 6G73 24 Valve SOHC	1995	14	Van	2351CC (2.4L) 4G64 SOHC 8 Valve	1989-1990	9
				Wagon	2351CC (2.4L) G64B SOHC	1987-1988	10
				Wagon	2351CC (2.4L) 4G64 SOHC 8 Valve	1989-1990	9

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CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block		
72G	2.992in./76mm	15	72W	2.992in./76mm	15		

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
4G1	3.228in./82mm	1	4K05	3.228in./82mm	1	4XCIU	3.228in./82mm	1	G54	3.858in./98mm	12
4G61	3.228in./82mm	1	4K	3.228in./82mm	1	19N	2.992in./76mm	15	T3A	2.992in./76mm	15
4G-3	3.228in./82mm	1	4XC1-U	3.228in./82mm	1	G37	3.386in./86mm	4			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	1468CC (1.5L) 4G15 12 Valve 4 Cyl (1991-1998) 1468CC (1.5L) 4G15 8 Valve 4 Cyl (1989-1990) 1468CC (1.5L) G4DJ 8 Valve 4 Cyl (1990-1994)						2.972in./75.5mm x 3.228in./82mm 2.972in./75.5mm x 3.228in./82mm 2.972in./75.5mm x 3.228in./82mm	1

Rod Bearing(4)	AL-3	CB-1588AL	STD.,.25mm,.50mm	1.6527/1.6535	0.0011/0.0035	0.0588	1.7717/1.7725	0.6100

Main Bearing Set 1-2-4-5 3	TM-1	MS-1668P MB-3049P MB-3050P(F)	STD.,.25mm,.50mm,.75mm	1.8890/1.8898 1.8890/1.8898	0.0011/0.0034 0.0011/0.0034	0.0783 0.0793	2.0472/2.0480 2.0472/2.0480	0.7520 0.9430

NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing,Partial Grooved Main Bearings

Main Bearing Set 1-2-4-5 3	TM-1	MS-2075P-.25mm MB-3049P MB-3571P(F)	.50mm	1.8890/1.8898 1.8890/1.8898	0.0011/0.0034 0.0011/0.0034	0.0783 0.0783	2.0472/2.0480 2.0472/2.0480	0.7520 0.9430

NOTE: All Sizes Contain Standard Length Flanged Bearing,Partial Grooved Main Bearings

C/S Forging 4K, 4G1, 4G-3, 4G61, 4K05, 4XCIU, 4XC1-U

Connecting Rod 24 To 25 Lbs.Ft.
Main Bearing 37 To 39 Lbs.Ft.

2	1468CC (1.5L) G15B 4 Cyl (1985-1988) 1468CC (1.5L) G4AJ 8 Valve 4 Cyl (1987-1989)						2.972in./75.5mm x 3.228in./82mm 2.972in./75.5mm x 3.228in./82mm	2

Rod Bearing(4)	AL-3	CB-1278AL	STD.,.25mm,.50mm,.75mm	1.6527/1.6535	0.0011/0.0035	0.0588	1.7717/1.7725	0.6940

NOTE: Thru 8/88

Rod Bearing(4)	AL-3	CB-1588AL	STD.,.25mm,.50mm	1.6527/1.6535	0.0011/0.0035	0.0588	1.7717/1.7725	0.6100

NOTE: From 8/88

Main Bearing Set 1-2-4-5 3	TM-1	MS-1668P MB-3049P MB-3050P(F)	STD.,.25mm,.50mm,.75mm	1.8890/1.8898 1.8890/1.8898	0.0011/0.0034 0.0011/0.0034	0.0783 0.0793	2.0472/2.0480 2.0472/2.0480	0.7520 0.9430

NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing,Partial Grooved Main Bearings

Main Bearing Set 1-2-4-5 3	TM-1	MS-2075P-.25mm MB-3049P MB-3571P(F)	.50mm	1.8890/1.8898 1.8890/1.8898	0.0011/0.0034 0.0011/0.0034	0.0783 0.0783	2.0472/2.0480 2.0472/2.0480	0.7520 0.9430

NOTE: All Sizes Contain Standard Length Flanged Bearing,Partial Grooved Main Bearings

Connecting Rod 24 To 25 Lbs.Ft.
Main Bearing 37 To 39 Lbs.Ft.

3	1595CC (1.6L) 4G61 DOHC 4 Cyl (1991-1992) 1595CC (1.6L) 4G61 DOHC Turbocharged 4 Cyl (1989-1990) 1597CC (1.6L) G32B SOHC Turbocharged 4 Cyl (1985-1988)						3.240in./82.3mm x 2.953in./75mm 3.240in./82.3mm x 2.953in./75mm 3.028in./76.9mm x 3.386in./86mm	3

Rod Bearing(4)	AL-6	CB-1120AL	STD.,.25mm,.50mm,.75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250

Main Bearing Set 1-2-4-5 3	TM-1	MS-2076P MB-2869P MB-3572P(F)	STD.,.25mm,.50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.9060 1.1400

NOTE: All Sizes Contain Standard Length Flanged Bearing

Balance Shaft Bearing Set RH; Front RH; LH Rear	AL-3	SH-1465S SH-1465 SH-1466	STD	1.5344 1.4164	0.0008/0.0030 0.0017/0.0039	0.0593 0.0589	1.6545 1.5364	0.7580 0.6300

Connecting Rod 23 To 25 Lbs.Ft.
Main Bearing 36 To 39 Lbs.Ft.

MITSUBISHI (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
4	1755CC (1.8L) 4G37 4 Cyl (1989-1994)			3.173in./80.6mm x 3.386in./86mm				4
Rod Bearing(4)	AL-6	CB-1120AL	STD.,.25mm,.50mm,.75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250
Main Bearing Set 1-2-4-5	TM-1	MS-2076P	STD.,.25mm,.50mm	2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	0.9060
3		MB-2869P MB-3572P(F)		2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	1.1400
NOTE: All Sizes Contain Standard Length Flanged Bearing								
C/S Forging G37								
Connecting Rod 23 To 25 Lbs.Ft.								
Main Bearing 36 To 39 Lbs.Ft.								
5	1794CC (1.8L) G62B 4 Cyl (1983)			3.173in./80.6mm x 3.465in./88mm				5
	1794CC (1.8L) G62B Turbocharged 4 Cyl (1984-1988)			3.173in./80.6mm x 3.465in./88mm				
Rod Bearing(4)	AL-6	CB-1120AL	STD.,.25mm,.50mm,.75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250
Main Bearing Set 1-2-4-5	TM-1	MS-2076P	STD.,.25mm,.50mm	2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	0.9060
3		MB-2869P MB-3572P(F)		2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	1.1400
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Balance Shaft Bearing Set	AL-3	SH-1467S	STD					
RH; Front		SH-1467		1.6526	0.0010/0.0031	0.0593	1.7726	0.7480
RH; LH Rear		SH-1468		1.6129	0.0010/0.0031	0.0589	1.7333	0.8268
6	1834CC (1.8L) 4G93 4 Cyl (1992-2001)			3.189in./81mm x 3.504in./89mm				6
Rod Bearing(4)	AL-3	CB-1782AL	STD.,.25mm,.50mm	1.7709/1.7717	0.0008/0.0034	0.0588	1.8896/1.8904	0.6614
Main Bearing Set 1-2-3-4-5	AL-3	MS-2213AL	STD.,.25mm,.50mm	1.9679/1.9685	0.0008/0.0031	0.0785	2.1260/2.1267	0.7531
Thrust Washer Set		TW-605S	STD	2.2047/2.2146			2.9665/2.9764	0.0778
		MB-3763W						
7	122 CID (2.0L) DOHC Chrysler 4 Cyl (1995-1999)			3.445in./87.5mm x 3.268in./83mm				7
Rod Bearing(4)	TM-77	CB-1635P	STD.,.25mm,.50mm	1.8894/1.8900	0.0010/0.0023	0.0584	2.0075/2.0081	0.8060
Rod Bearing(4)	TM-77	CB-1788P-.25mm	.50mm	1.8894/1.8900	0.0006/0.0028	0.0594	2.0095/2.0101	0.8060
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	TM-77	MS-2028P	STD.,.25mm,.50mm	2.0469/2.0475	0.0008/0.0024	0.0782	2.2046/2.2050	0.7860
3		MB-4001P MB-4000P(F)		2.0469/2.0475	0.0008/0.0024	0.0784	2.2046/2.2050	1.0340
NOTE: 1996-1999;1995, Bearing Caps May Require Notching								
Connecting Rod 20 Lbs.Ft. Plus 90 Degrees								
8	1997CC (2.0L) 4G63 DOHC 4 Cyl (1989-1994)			3.346in./85mm x 3.465in./88mm				8
	1997CC (2.0L) 4G63 SOHC 8 Valve 4 Cyl (1989-1992)			3.346in./85mm x 3.465in./88mm				
	1997CC (2.0L) 4G63T DOHC TURBO Turbocharged 4 Cyl (1989-1998)			3.346in./85mm x 3.465in./88mm				
Rod Bearing(4)	AL-6	CB-1120AL	STD.,.25mm,.50mm,.75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250
NOTE: Thru 3/92								
Rod Bearing(4)	TM-77	CB-1643P	STD.,.25mm,.50mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.8010
NOTE: From 4/92								
Main Bearing Set 1-2-4-5	TM-1	MS-2039P	STD.,.25mm,.50mm	2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	0.8050
3		MB-3504P MB-3505P(F)		2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	1.0040
NOTE: From 4/92, All Sizes Contain Standard Length Flanged Bearing								
Main Bearing Set 1-2-4-5	TM-1	MS-2076P	STD.,.25mm,.50mm	2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	0.9060
3		MB-2869P MB-3572P(F)		2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	1.1400
NOTE: Thru 3/92, All Sizes Contain Standard Length Flanged Bearing								
Balance Shaft Bearing Set	AL-3	SH-1469S	STD					
LH; Rear		SH-1468		1.6129	0.0010/0.0031	0.0589	1.7333	0.8268
RH; Front		SH-1467		1.6526	0.0010/0.0031	0.0593	1.7726	0.7480
RH; Rear		SH-1469		1.6129	0.0010/0.0031	0.0589	1.7333	0.8268
Connecting Rod 23 To 25 Lbs.Ft.								
Main Bearing 36 To 39 Lbs.Ft.								

MITSUBISHI (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
9	1997CC (2.0L) 4G63 SOHC 16 Valve 4 Cyl (1993) 2351CC (2.4L) 4G64 DOHC 4 Cyl (1994) 2351CC (2.4L) 4G64 SOHC 16 Valve 4 Cyl (1993-1999) 2351CC (2.4L) 4G64 SOHC 8 Valve 4 Cyl (1989-1996)				3.346in./85mm x 3.465in./88mm 3.406in./86.5mm x 3.937in./100mm 3.406in./86.5mm x 3.937in./100mm 3.406in./86.5mm x 3.937in./100mm			9
Rod Bearing(4) NOTE: Thru 4/97	TM-77	CB-1643P	STD.,.25mm,.50mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.8010
Main Bearing Set 1-2-4-5 3	TM-1	MS-2039P MB-3504P MB-3505P(F)	STD.,.25mm,.50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.8050 1.0040
NOTE: Thru 4/97, All Sizes Contain Standard Length Flanged Bearing								
Balance Shaft Bearing Set LH; Rear RH; Front RH; Rear	AL-3	SH-1469S SH-1468 SH-1467 SH-1469	STD	1.6129 1.6526 1.6129	0.0010/0.0031 0.0010/0.0031 0.0010/0.0031	0.0589 0.0593 0.0589	1.7333 1.7726 1.7333	0.8268 0.7480 0.8268
Connecting Rod Main Bearing	23 To 25 Lbs.Ft. 36 To 39 Lbs.Ft.							
10	1997CC (2.0L) G63B SOHC 4 Cyl (1983-1989) 2351CC (2.4L) G64B SOHC 4 Cyl (1985-1988)				3.346in./85mm x 3.465in./88mm 3.406in./86.5mm x 3.937in./100mm			10
Rod Bearing(4)	AL-6	CB-1120AL	STD.,.25mm,.50mm,.75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250
Main Bearing Set 1-2-4-5 3	TM-1	MS-2076P MB-2869P MB-3572P(F)	STD.,.25mm,.50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.9060 1.1400
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Balance Shaft Bearing Set RH; Front RH; LH Rear	AL-3	SH-1467S SH-1467 SH-1468	STD	1.6526 1.6129	0.0010/0.0031 0.0010/0.0031	0.0593 0.0589	1.7726 1.7333	0.7480 0.8268
NOTE: Thru 7/85								
Balance Shaft Bearing Set LH; Rear RH; Front RH; Rear	AL-3	SH-1469S SH-1468 SH-1467 SH-1469	STD	1.6129 1.6526 1.6129	0.0010/0.0031 0.0010/0.0031 0.0010/0.0031	0.0589 0.0593 0.0589	1.7333 1.7726 1.7333	0.8268 0.7480 0.8268
NOTE: From 8/85								
Connecting Rod Main Bearing	23 To 25 Lbs.Ft. 36 To 39 Lbs.Ft.							
11	2346CC (2.3L) 4D55 Turbocharged Diesel 4 Cyl (1983-1985)				3.587in./91.1mm x 3.543in./90mm			11
Rod Bearing(4) NOTE: Turbocharged	AL-3	CB-1220P	STD.,.25mm,.50mm,.75mm,1.00mm	2.0858/2.0866	0.0005/0.0028	0.0590	2.2047/2.2055	0.9840
Main Bearing Set 1-2-4-5 3	TM-1	MS-1430P MB-2751P MB-2752P(F)	STD.,.25mm,.50mm,.75mm	2.5976/2.5984 2.5976/2.5984	0.0010/0.0037 0.0010/0.0037	0.0782 0.0782	2.7559/2.7567 2.7559/2.7567	0.9840 1.2190
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing, Turbocharged								
Main Bearing Set 1-2-4-5 3	TM-1	MS-2069P-.25mm MB-2751P MB-3566P(F)	.50mm	2.5976/2.5984 2.5976/2.5984	0.0010/0.0037 0.0010/0.0037	0.0782 0.0782	2.7559/2.7567 2.7559/2.7567	0.9840 1.2190
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Connecting Rod Main Bearing	33 To 34 Lbs.Ft. 55 To 61 Lbs.Ft.							
12	2555CC (2.6L) G54B 4 Cyl (1983-1989) 2555CC (2.6L) G54B Turbocharged 4 Cyl (1983-1989)				3.587in./91.1mm x 3.858in./98mm 3.587in./91.1mm x 3.858in./98mm			12
Rod Bearing(4)	AL-3	CB-1220P	STD.,.25mm,.50mm,.75mm,1.00mm	2.0858/2.0866	0.0005/0.0028	0.0590	2.2047/2.2055	0.9840
Main Bearing Set 1-2-4-5 3	AL-3	MS-1945AL MB-3053AL MB-3339AL(F)	STD.,.25mm,.50mm,.75mm	2.3614/2.3622 2.3614/2.3622	0.0011/0.0037 0.0011/0.0037	0.0783 0.0783	2.5197/2.5205 2.5197/2.5205	0.9890 1.2190
NOTE: All Sizes Contain Standard Length Flanged Bearing								

MITSUBISHI (Cont.)

MITSUBISHI (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
12 (Cont.)	2555CC (2.6L) G54B 4 Cyl (1983-1989)			3.587in./91.1mm x 3.858in./98mm				12 (Cont.)
	2555CC (2.6L) G54B Turbocharged 4 Cyl (1983-1989)			3.587in./91.1mm x 3.858in./98mm				
Aux. Shaft Bearing Set	AL-3	SH-1429S	STD.,25mm					
Left Front		SH-1760		0.9039/0.9047	0.0008/0.0034	0.0593	1.0236/1.0244	0.7090
Left/Right Rear		SH-1429		1.6933/1.6939	0.0013/0.0037	0.0585	1.8122/1.8130	0.7950
NOTE: Left Front Bushing Only Available In Std Size Even In Undersize Set Due To Small Shaft Diameter,Requires Boring The Left Front Balance Shaft Housing To 1.0236"/1.0244" Outside Diameter								
C/S Forging	G54							
Connecting Rod	33 To 34 Lbs.Ft.							
Main Bearing	55 To 61 Lbs.Ft.							
13	2659CC (2.7L) 4DR5 Diesel 4 Cyl (1971-1991)			3.622in./92mm x 3.937in./100mm				13
Rod Bearing(4)	TM-1	CB-1261P	STD.,25mm.,50mm	2.2813/2.2821	0.0014/0.0032	0.0787	2.4409/2.4417	1.1020
Main Bearing Set 1-2-3-4-5	TM-1	MS-1712P MB-3115P	STD.,25mm.,50mm.,75mm	2.7533/2.7541	0.0018/0.0033	0.0787	2.9134/2.9142	1.1020
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-281S								
Thrust Washer Set		TW-281S MB-3115W	STD	3.0315			3.7402	0.0960
NOTE: Contains 3 Pieces, Position Number 5, Use With Part Number MS-1712P								
Connecting Rod	61 To 69 Lbs.Ft.							
Main Bearing	72 To 80 Lbs.Ft.							
6 CYL								
14	2497CC (2.5L) 6G73 24 Valve SOHC V6 Cyl (1995)			3.290in./83.5mm x 2.992in./76mm				14
Rod Bearing(6)	TM-77	CB-1411P	STD.,25mm.,50mm.,75mm	1.9677/1.9685	0.0009/0.0027	0.0587	2.0866/2.0868	0.6120
Main Bearing Set 1-2-3-4	TM-1	MS-2239P MB-3813P	STD.,25mm.,50mm	2.3614/2.3622	0.0008/0.0034	0.0783	2.5197/2.5205	0.7140
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-458S								
Thrust Washer Set		TW-458S MB-3108W(L) MB-3108W(U)	STD	2.5984/2.6083 2.5984/2.6083			3.0492/3.0594 3.0492/3.0594	0.0778 0.0778
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2239P								
15	2972CC (3.0L) 6G72 DOHC (Nat. Asp.) V6 Cyl (1991-1999)			3.587in./91.1mm x 2.992in./76mm				15
	2972CC (3.0L) 6G72 DOHC Twin Turbo Turbocharged V6 Cyl (1991-1999)			3.587in./91.1mm x 2.992in./76mm				
	2972CC (3.0L) 6G72 SOHC 12 Valve V6 Cyl (1988-1999)			3.587in./91.1mm x 2.992in./76mm				
	2972CC (3.0L) 6G72 SOHC 24 Valve V6 Cyl (1994-2001)			3.587in./91.1mm x 2.992in./76mm				
Rod Bearing(6)	TM-77	CB-1411P	STD.,25mm.,50mm.,75mm	1.9677/1.9685	0.0009/0.0027	0.0587	2.0866/2.0868	0.6120
Main Bearing Set 1-2-3-4	TM-77	MS-1720P MB-3108P	STD.,25mm.,50mm.,75mm	2.3614/2.3622	0.0007/0.0034	0.0784	2.5197/2.5204	0.7120
NOTE: 2972CC (3.0L) 6G72 DOHC (Nat. Asp.) (1991-1999),2972CC (3.0L) 6G72 DOHC Twin Turbo (1991-1999),2972CC (3.0L) 6G72 SOHC 12 Valve (1988-1998),2972CC (3.0L) 6G72 SOHC 24 Valve (1994-1998) To Be Replaced By MS-2226P								
Main Bearing Set 1-2-3-4	TM-77	MS-2226P MB-3791P	STD.,25mm.,50mm.,75mm	2.3614/2.3622	0.0007/0.0034	0.0784	2.5197/2.5204	0.7120
NOTE: 2972CC (3.0L) 6G72 DOHC (Nat. Asp.) (1991-1999),2972CC (3.0L) 6G72 DOHC Twin Turbo (1991-1999),2972CC (3.0L) 6G72 SOHC 12 Valve (1988-1998),2972CC (3.0L) 6G72 SOHC 24 Valve (1994-1998)								
Thrust Washer Set		TW-458S MB-3108W(L) MB-3108W(U)	STD	2.5984/2.6083 2.5984/2.6083			3.0492/3.0594 3.0492/3.0594	0.0778 0.0778
NOTE: 2972CC (3.0L) 6G72 DOHC (Nat. Asp.) (1991-1998),2972CC (3.0L) 6G72 DOHC Twin Turbo (1991-1998),2972CC (3.0L) 6G72 SOHC 12 Valve (1988-1999),2972CC (3.0L) 6G72 SOHC 24 Valve (1994-1998;1999-2001), Contains 4 Pieces, Position Number 3								
Rod Forging	72G, 72W							
C/S Forging	19N, T3A							
Connecting Rod	38 Lbs.Ft.							
Main Bearing	60 Lbs.Ft.							

MITSUBISHI (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
16	3497CC (3.5L) 6G74 DOHC V6 Cyl (1994-1996)			3.661in./93mm x 3.386in./86mm				16
	3497CC (3.5L) 6G74 SOHC V6 Cyl (1997-2002)			3.661in./93mm x 3.386in./86mm				
Rod Bearing(6)	TM-1	CB-1832P	STD.,25mm,.50mm	2.1646/2.1653	0.0008/0.0020	0.0589	2.2835/2.2842	0.6100
Main Bearing Set 1-2-3-4	TM-1	MS-2238P MB-3811P	STD.,25mm,.50mm	2.5190/2.5197	0.0004/0.0023	0.0785	2.6772/2.6774	0.6740
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-617S								
Thrust Washer Set 3		TW-617S MB-3812W	STD	2.7598/2.7697			3.7106/3.7205	0.0770
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-2238P								
17	3988CC (4.0L) 6DR5 Diesel 6 Cyl (1970-1991)			3.622in./92mm x 3.937in./100mm				17
Rod Bearing(6)	TM-1	CB-1261P	STD.,25mm,.50mm	2.2813/2.2821	0.0014/0.0032	0.0787	2.4409/2.4417	1.1020
Thrust Washer Set		TW-281S MB-3115W	STD	3.0315			3.7402	0.0960
NOTE: Contains 3 Pieces, Position Number 7, Use With Part Number MS-1713P								
Cam Bearing Set 1	B-1	SH-1155S SH-936	STD	2.1433/2.1441	0.0016/0.0047	0.0490	2.2440/2.2448	1.4170
2		SH-937		2.1433/2.1441	0.0016/0.0047	0.0490	2.2440/2.2448	1.0240
3		SH-938		2.1236/2.1244	0.0016/0.0047	0.0589	2.2440/2.2448	1.0240
4		SH-1155		2.0842/2.0850	0.0016/0.0047	0.0785	2.2448	1.0240
Connecting Rod	61 To 69 Lbs.Ft.							
Main Bearing	72 To 80 Lbs.Ft.							

MORRIS

ENGINE DATA											
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block				
4 CYL				4 CYL (Cont.)							
948CC (0.9L) Austin	1957-1962	2.478in./62.9mmX2.992in./76mm	1	1489CC (1.5L)	1954-1961	2.874in./73mmX3.504in./89mm	2				
1098CC (1.1L) Austin	1962-1971	2.542in./64.6mmX3.307in./84mm	1	1622CC (1.6L)	1962-1966	3.000in./76.2mmX3.504in./89mm	2				
1198CC (1.2L)	1954-1959	2.539in./64.5mmX3.504in./89mm	2								
MODEL DATA											
Model	Engine	Years	Block	Model	Engine	Years	Block				
Cowley	1198CC (1.2L)	1954-1959	2	Minor	1098CC (1.1L) Austin	1962-1971	1				
Cowley	1489CC (1.5L)	1957-1961	2	Oxford	1489CC (1.5L)	1954-1962	2				
J2	1489CC (1.5L)	1954-1962	2	Oxford	1622CC (1.6L)	1962-1966	2				
J4	1489CC (1.5L)	1954-1962	2	Pickup	1489CC (1.5L)	1957-1961	2				
Minibus	1489CC (1.5L)	1957-1961	2	Saloon	1622CC (1.6L)	1962-1966	2				
Minor	948CC (0.9L) Austin	1957-1963	1								
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
17009	2.992in./76mm	1	17010	2.992in./76mm	1	G-124	3.307in./84mm	1	G-127	3.307in./84mm	1
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
2A-717-A	2.992in./76mm	1	11F-74-CF	3.504in./89mm	2	BB-38-AX	3.504in./89mm	2	PG-38-A	3.504in./89mm	2
2A-829	2.992in./76mm	1	11G-74	2.992in./76mm	1	BE-53-B	2.992in./76mm	1			
11C-74	2.992in./76mm	1	11G-74-CF	3.504in./89mm	2	BT-79-3	3.504in./89mm	2			
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL											
1	948CC (0.9L) Austin 4 Cyl (1957-1962)					2.478in./62.9mm x 2.992in./76mm					1
	1098CC (1.1L) Austin 4 Cyl (1962-1971)					2.542in./64.6mm x 3.307in./84mm					
Rod Bearing(4)	VP-2	CB-488P	STD,10,20,30			1.6254/1.6259	0.0013/0.0033	0.0719	1.7705/1.7710	0.8800	
Rod Forging	17009, 17010, G-124, G-127										
C/S Forging	11C-74, 11G-74, 2A-829, BE-53-B, 2A-717-A										

MORRIS (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
1	948CC (0.9L) Austin 4 Cyl (1957-1962)				2.478in./62.9mm x 2.992in./76mm			1
(Cont.)	1098CC (1.1L) Austin 4 Cyl (1962-1971)				2.542in./64.6mm x 3.307in./84mm			(Cont.)
Connecting Rod	35 Lbs.Ft.							
Main Bearing	60 To 65 Lbs.Ft. (948CC (0.9L))							
Main Bearing	70 To 75 Lbs.Ft. (1098CC (1.1L))							
2	1198CC (1.2L) 4 Cyl (1954-1959)				2.539in./64.5mm x 3.504in./89mm			2
	1489CC (1.5L) 4 Cyl (1954-1961)				2.874in./73mm x 3.504in./89mm			
	1622CC (1.6L) 4 Cyl (1962-1966)				3.000in./76.2mm x 3.504in./89mm			
Rod Bearing(4)	AL-3	CB-487AL	STD,10,20,30	1.8759/1.8764	0.0015/0.0031	0.0718	2.0210/2.0215	1.0050
Cam Bearing Set	B-1	SH-481S	STD					
1		SH-481		1.7887/1.7892	0.0014/0.0032	0.0622	1.9150/1.9157	1.4740
2		SH-482		1.7283/1.7291	0.0011/0.0038	0.0622	1.8547/1.8559	1.1299
3		SH-483		1.6224/1.6228	0.0016/0.0038	0.0622	1.7488/1.7500	0.8169
C/S Forging	BT-79-3, PG-38-A, BB-38-AX, 11F-74-CF, 11G-74-CF							
Connecting Rod	23 To 35 Lbs.Ft.							
Main Bearing	70 To 75 Lbs.Ft.							

NAVISTAR/INTERNATIONAL

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4-152 International 152 CID (2.5L)	3.875in./98.4mmX3.219in./81.76mm	1	6 CYL (Cont.)		
4-196 International 196 CID (3.2L)	4.125in./104.8mmX3.656in./92.9mm	1	DTA360 International 360 CID (5.9L)	3.875in./98.4mmX5.085in./129.2mm	10
Comanche Four International 152 CID (2.5L)	3.875in./98.4mmX4.250in./108mm	1	Diesel Turbocharged		
Turbo III International 152 CID (2.5L)	3.875in./98.4mmX3.219in./81.76mm	1	DTA466C International 466 CID (7.6L)	4.300in./109.2mmX5.350in./135.9mm	14
Turbocharged			Diesel Turbocharged		
6 CYL			DT1466B International 466 CID (7.6L)	4.300in./109.2mmX5.350in./135.9mm	13
6-33 Nissan 198 CID (3.2L) Diesel	3.268in./83mmX3.937in./100mm	3	Diesel Turbocharged		
6-33T Nissan 198 CID (3.2L) Diesel	3.268in./83mmX3.937in./100mm	4	DT1466C International 466 CID (7.6L)	4.300in./109.2mmX5.350in./135.9mm	14
Turbocharged			Diesel Turbocharged		
American Motors 258 CID (4.2L)	3.750in./95.3mmX3.906in./99.2mm	6	FB401 International 401 CID (6.6L)	4.125in./104.8mmX3.750in./95.3mm	11
BD220 International 220 CID (3.6L)	3.563in./90.5mmX3.688in./93.7mm	5	GRD175/HD174 International 175 CID (2.9L)	3.000in./76.2mmX4.125in./104.8mm	2
BD240 International 240 CID (3.9L)	3.563in./90.5mmX4.016in./102mm	5	GRD175A International 175 CID (2.9L)	3.000in./76.2mmX4.125in./104.8mm	2
BD264 International 264 CID (4.3L)	3.688in./93.7mmX4.125in./104.8mm	5	GRD233 International 233 CID (3.8L)	3.313in./84.2mmX4.500in./114.3mm	2
BD282 International 282 CID (4.6L)	3.8125in./96.8mmX4.125in./104.8mm	7	GRD233A International 233 CID (3.8L)	3.313in./84.2mmX4.500in./114.3mm	2
BD282 International 282 CID (4.6L) LPG	3.8125in./96.8mmX4.125in./104.8mm	7	HD3 International 213 CID (3.5L)	3.313in./84.2mmX4.125in./104.8mm	2
BD308 International 308 CID (5.0L)	3.813in./96.9mmX4.500in./114.3mm	7	HD4 International 213 CID (3.5L)	3.313in./84.2mmX4.125in./104.8mm	2
BG220 International 220 CID (3.6L)	3.563in./90.5mmX3.688in./93.7mm	5	HD232 International 233 CID (3.8L)	3.313in./84.2mmX4.500in./114.3mm	2
BG241 International 241 CID (3.9L) LPG	3.563in./90.5mmX4.016in./102mm	5	HD232A International 233 CID (3.8L)	3.313in./84.2mmX4.500in./114.3mm	2
BG241 International 241 CID (3.9L)	3.563in./90.5mmX4.016in./102mm	5	I530E International 530 CID (8.7L)	4.587in./116.5mmX5.350in./135.9mm	15
BG265 International 265 CID (4.3L)	3.688in./93.7mmX4.125in./104.8mm	5	Diesel Turbocharged		
BLD250 International 250 CID (4.1L)	3.438in./87.3mmX4.500in./114.3mm	7	I530P International 530 CID (8.7L)	4.587in./116.5mmX5.350in./135.9mm	12
BLD269 International 269 CID (4.4L)	3.563in./90.5mmX4.500in./114.3mm	7	Diesel Turbocharged/Intercooled		
BLD269A International 269 CID (4.4L)	3.563in./90.5mmX4.500in./114.3mm	7	PT6 International 232 CID (3.8L)	3.750in./95.3mmX3.500in./88.9mm	6
D301 International 301 CID (4.9L)	3.813in./96.9mmX4.391in./111.5mm	8	RD372 International 372 CID (6.1L)	4.375in./111.1mmX4.125in./104.8mm	9
Diesel			RD372 International 372 CID (6.1L) LPG	4.375in./111.1mmX4.125in./104.8mm	9
DT360 International 360 CID (5.9L)	3.875in./98.4mmX5.085in./129.2mm	10	RD406 International 406 CID (6.7L)	4.375in./111.1mmX4.500in./114.3mm	9
Diesel Turbocharged			RD406 International 406 CID (6.7L) LPG	4.375in./111.1mmX4.500in./114.3mm	9
DT408P International 408 CID (6.7L)	4.300in./109.2mmX4.680in./118.9mm	12	RD401 International 450 CID (7.4L)	4.375in./111.1mmX5.000in./127mm	9
Diesel Turbocharged/Intercooled			RD450LPG International 450 CID (7.4L)	4.375in./111.1mmX5.000in./127mm	9
DT466 International 466 CID (7.6L)	4.300in./109.2mmX5.350in./135.9mm	13	LPG		
Diesel Turbocharged			RD501 International 501 CID (8.2L)	4.500in./114.3mmX5.250in./133.4mm	9
DT466B International 466 CID (7.6L)	4.300in./109.2mmX5.350in./135.9mm	13	RD501LPG International 501 CID (8.2L)	4.500in./114.3mmX5.250in./133.4mm	9
Diesel Turbocharged			LPG		
DT466C International 466 CID (7.6L)	4.300in./109.2mmX5.350in./135.9mm	14	RED318 International 318 CID (5.2L)	3.875in./98.4mmX4.500in./114.3mm	9
Diesel Turbocharged			RED361 International 361 CID (5.9L)	4.125in./104.8mmX4.500in./114.3mm	9
DT466E International 466 CID (7.6L)	4.300in./109.2mmX5.350in./135.9mm	15	RED401 International 401 CID (6.6L)	4.125in./104.8mmX5.000in./127mm	9
Diesel Turbocharged			RED401B International 401 CID (6.6L)	4.125in./104.8mmX5.000in./127mm	9
DT466NGD International 466 CID (7.6L)	4.300in./109.2mmX5.350in./135.9mm	12	RED450 International 450 CID (7.4L)	4.375in./111.1mmX5.000in./127mm	9
CNG Turbocharged			SD220 International 220 CID (3.6L)	3.563in./90.5mmX3.688in./93.7mm	5
DT466P Navistar 466 CID (7.6L) Diesel	4.300in./109.2mmX5.350in./135.9mm	15	SD220 International 220 CID (3.6L) LPG	3.563in./90.5mmX3.688in./93.7mm	5
Turbocharged/Intercooled					

NAVISTAR/INTERNATIONAL (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			8 CYL (Cont.)		
SD240 International 240 CID (3.9L)	3.563in./90.5mmX4.016in./102mm	5	MV404 International 404 CID (6.6L)	4.125in./104.8mmX3.750in./95.3mm	19
SD240 International 240 CID (3.9L) LPG	3.563in./90.5mmX4.016in./102mm	5	MV446 International 446 CID (7.3L)	4.125in./104.8mmX4.188in./106.4mm	19
8 CYL			T444E (Power Stroke) D.I. Turbo International 444 CID (7.3L) Diesel Turbocharged/Intercooled	4.110in./104.4mmX4.180in./106.2mm	21
Navistar 420 CID (6.9L) Diesel	4.000in./101.6mmX4.180in./106.2mm	20	V266 International 266 CID (4.4L)	3.625in./92.1mmX3.219in./81.8mm	16
International 551 CID (9.0L) Diesel	4.510in./114.6mmX4.313in./109.6mm	24	V304 International 304 CID (5.0L)	3.875in./98.4mmX3.219in./81.8mm	16
D150 International 461 CID (7.6L) Diesel	4.125in./104.8mmX4.313in./109.6mm	22	V304 International 304 CID (5.0L) LPG	3.875in./98.4mmX3.219in./81.8mm	16
D170 International 549 CID (9.0L) Diesel	4.500in./114.3mmX4.313in./109.6mm	22	V345 International 345 CID (5.6L)	3.875in./98.4mmX3.656in./92.9mm	16
D190 International 549 CID (9.0L) Diesel	4.500in./114.3mmX4.313in./109.6mm	22	V345LPG International 345 CID (5.6L) LPG	3.875in./98.4mmX3.656in./92.9mm	16
DV462 International 461 CID (7.6L) Diesel	4.125in./104.8mmX4.313in./109.6mm	22	V392 International 392 CID (6.4L)	4.125in./104.8mmX3.656in./92.9mm	16
DV462B International 461 CID (7.6L) Diesel	4.125in./104.8mmX4.313in./109.6mm	22	V392LPG International 392 CID (6.4L) LPG	4.125in./104.8mmX3.656in./92.9mm	16
DV550 International 549 CID (9.0L) Diesel	4.500in./114.3mmX4.313in./109.6mm	22	V400 International 400 CID (6.6L)	4.165in./105.8mmX3.680in./93.5mm	17
DV550B International 549 CID (9.0L) Diesel	4.500in./114.3mmX4.313in./109.6mm	22	V401 International 401 CID (6.6L)	4.125in./104.8mmX3.750in./95.3mm	18
DVT573 International 573 CID (9.4L) Diesel Turbocharged	4.500in./114.3mmX4.500in./114.3mm	25	V461 International 461 CID (7.6L)	4.125in./104.8mmX4.313in./109.6mm	18
DVTI573 International 573 CID (9.4L) Diesel Turbocharged	4.500in./114.3mmX4.500in./114.3mm	25	V478 International 478 CID (7.8L)	4.500in./114.3mmX3.750in./95.3mm	18
DVTI573B International 573 CID (9.4L) Diesel Turbocharged	4.500in./114.3mmX4.500in./114.3mm	25	V537 International 537 CID (8.8L)	4.625in./117.5mmX4.000in./101.6mm	23
FTV549 International 549 CID (9.0L)	4.500in./114.3mmX4.313in./109.6mm	18	V549 International 549 CID (9.0L)	4.500in./114.3mmX4.313in./109.6mm	18
FTVS549 International 549 CID (9.0L)	4.500in./114.3mmX4.313in./109.6mm	18	V549LPG International 549 CID (9.0L) LPG	4.500in./114.3mmX4.313in./109.6mm	18
Indirect Injection International 444 CID (7.3L) Diesel	4.110in./104.4mmX4.180in./106.2mm	20	V800 International 798 CID (13.1L) Diesel Turbocharged	5.313in./135mmX4.500in./114.3mm	25
			VS401 International 401 CID (6.6L)	4.125in./104.8mmX3.750in./95.3mm	18
			VS478 International 478 CID (7.8L)	4.500in./114.3mmX3.750in./95.3mm	18
			VS549 International 549 CID (9.0L)	4.500in./114.3mmX4.313in./109.6mm	18
			VS549LPG International 549 CID (9.0L) LPG	4.500in./114.3mmX4.313in./109.6mm	18

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
207	3.906in./99.2mm	6	70009R2	4.016in./102mm	5	133512R3	3.750in./95.3mm	18	489300	4.313in./109.6mm	24
352	3.906in./99.2mm	6	70009R2	4.125in./104.8mm	5	133521R3	4.313in./109.6mm	18	1816619C1	4.180in./106.2mm	21
707	3.906in./99.2mm	6	116390H	4.500in./114.3mm	7	133521R3	3.750in./95.3mm	18	3172341	3.906in./99.2mm	6
1820YA	4.500in./114.3mm	2	118701H	5.000in./127mm	9	133524R3	4.313in./109.6mm	18	3173210	3.906in./99.2mm	6
59998R1	4.500in./114.3mm	2	118701H	4.500in./114.3mm	9	133524R3	3.750in./95.3mm	18	3182749	3.906in./99.2mm	6
60832B	4.500in./114.3mm	2	118701H	4.125in./104.8mm	9	216114R1	3.656in./92.9mm	16	3191739	3.680in./93.5mm	17
62930R1	4.500in./114.3mm	7	118701H	5.250in./133.4mm	9	278712C1	4.313in./109.6mm	24	3215845	3.680in./93.5mm	17
62930R4	4.500in./114.3mm	7	118701HA	5.000in./127mm	9	306280R1	4.391in./111.5mm	8	C-126111	4.500in./114.3mm	9
62930R5	4.500in./114.3mm	7	118701HA	4.500in./114.3mm	9	309253C1	3.656in./92.9mm	16	FD-59998R1	4.500in./114.3mm	2
70009R1	4.016in./102mm	5	118701HA	4.125in./104.8mm	9	367406R1	4.391in./111.5mm	8			
70009R1	3.688in./93.7mm	5	118701HA	5.250in./133.4mm	9	391320	4.500in./114.3mm	2			
70009R1	4.125in./104.8mm	5	133512R3	4.313in./109.6mm	18	427216C1	4.313in./109.6mm	24			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1A	5.350in./135.9mm	14	70118R1	4.016in./102mm	5	118530H	5.000in./127mm	9	151046R1	3.219in./81.8mm	16
1A	5.085in./129.2mm	10	70118R1	3.688in./93.7mm	5	118530H	3.750in./95.3mm	18	151046R2	3.219in./81.8mm	16
1AA	5.350in./135.9mm	14	74062R1	4.125in./104.8mm	7	118530R1	4.313in./109.6mm	18	151327R1	3.656in./92.9mm	16
1AA	5.085in./129.2mm	10	74962R1	4.125in./104.8mm	7	123441R3	4.313in./109.6mm	18	151327R2	3.656in./92.9mm	16
2 MAE	5.350in./135.9mm	14	82856	4.313in./109.6mm	18	125932R1	4.500in./114.3mm	7	151328R2	3.656in./92.9mm	16
2 MAE	5.085in./129.2mm	10	83917R1	5.000in./127mm	9	129532R1	4.500in./114.3mm	7	166088R1	4.125in./104.8mm	5
2MAE	5.350in./135.9mm	14	83917R1	4.125in./104.8mm	9	131440R3	3.750in./95.3mm	18	242880R91	3.750in./95.3mm	18
2MAE	5.085in./129.2mm	10	83917R2	5.000in./127mm	9	131850R1	5.250in./133.4mm	9	242881R91	3.750in./95.3mm	18
188A	5.350in./135.9mm	14	83917R2	4.125in./104.8mm	9	133440R1	3.750in./95.3mm	18	242882R91	4.313in./109.6mm	18
188A	5.085in./129.2mm	10	83917R3	5.000in./127mm	9	133440R3	3.750in./95.3mm	18	267267R1	4.391in./111.5mm	8
202B	5.350in./135.9mm	14	83917R3	4.125in./104.8mm	9	133441R1	4.313in./109.6mm	18	289878C91	3.750in./95.3mm	18
202B	5.085in./129.2mm	10	93917R1	5.000in./127mm	9	133441R3	4.313in./109.6mm	18	296733C91	4.313in./109.6mm	18
1784YD	4.500in./114.3mm	2	93917R1	4.125in./104.8mm	9	133894R1	4.313in./109.6mm	18	315712R3	4.391in./111.5mm	8
60835H	4.500in./114.3mm	2	93917R3	5.000in./127mm	9	133894R3	4.313in./109.6mm	18	317268G1	3.656in./92.9mm	1
60835HA	4.500in./114.3mm	2	93917R3	4.125in./104.8mm	9	133894R4	4.313in./109.6mm	18	320185R1	4.391in./111.5mm	8
60835HB	4.500in./114.3mm	2	116447H	4.500in./114.3mm	7	141779R1	4.125in./104.8mm	5	323882R11	4.391in./111.5mm	8
70115R1	3.688in./93.7mm	5	118528H	4.500in./114.3mm	9	141780R1	4.125in./104.8mm	5	365712R1	3.219in./81.76mm	1
70115R3	3.688in./93.7mm	5	118528H	5.250in./133.4mm	9	151045R1	3.219in./81.8mm	16	365712R2	3.219in./81.76mm	1

NAVISTAR/INTERNATIONAL (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
367267R1	4.391in./111.5mm	8	863712	3.219in./81.76mm	1	3124725	3.680in./93.5mm	17	3199842	3.680in./93.5mm	17
391930	3.219in./81.8mm	16	1805420C1	5.350in./135.9mm	14	3190079	3.680in./93.5mm	17	3208795	3.680in./93.5mm	17
446530	4.180in./106.2mm	20	1805420C1	5.085in./129.2mm	10	3190792	3.680in./93.5mm	17	3214723	3.906in./99.2mm	6
446530C1	4.180in./106.2mm	20	1809954C1	5.350in./135.9mm	14	3190793	3.680in./93.5mm	17	3220411	3.680in./93.5mm	17
446531C1	4.180in./106.2mm	20	1809954C1	5.085in./129.2mm	10	3190797	3.680in./93.5mm	17	3235477	3.906in./99.2mm	6
817268R1	3.656in./92.9mm	1	1812320C91	5.350in./135.9mm	14	3190798	3.680in./93.5mm	17	4487238	3.680in./93.5mm	17
836712R2	3.219in./81.76mm	1	1812320C91	5.085in./129.2mm	10	3196921	3.680in./93.5mm	17	CF446-766C-1	3.750in./95.3mm	19
837719R1	5.000in./127mm	9	1816975C1	5.350in./135.9mm	14	3196922	3.680in./93.5mm	17	RD67703	3.906in./99.2mm	6
837719R1	4.125in./104.8mm	9	1816975C1	5.085in./129.2mm	10	3199738C	3.906in./99.2mm	6			
852856	4.313in./109.6mm	18	1818200C3	4.180in./106.2mm	21	3199798	3.906in./99.2mm	6			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	152 CID (2.5L) 4-152 International 4 Cyl (1967-1968)	3.875in./98.4mm x 3.219in./81.76mm	1
	152 CID (2.5L) Comanche Four International 4 Cyl (1961-1968)	3.875in./98.4mm x 4.250in./108mm	
	152 CID (2.5L) Turbo III International Turbocharged 4 Cyl (1965-1967)	3.875in./98.4mm x 3.219in./81.76mm	
	196 CID (3.2L) 4-196 International 4 Cyl (1966-1980)	4.125in./104.8mm x 3.656in./92.9mm	

Rod Bearing(4)	TM-112	CB-633P	STD,10,20	2.3730/2.3740	0.0016/0.0041	0.0622	2.4995/2.5000	0.9080
Main Bearing Set	TM-112	MS-516P	STD,10,20,30,40					
1-2-4-5		MB-1997P		2.7484/2.7494	0.0009/0.0039	0.0955	2.9410/2.9420	0.7260
3		MB-1998P(F)		2.7484/2.7494	0.0013/0.0043	0.0953	2.9410/2.9420	1.0550
Cam Bearing Set	B-1	SH-426S	STD					
1		SH-426		2.0990/2.1000	0.0010/0.0050	0.0648	2.2305/2.2320	0.7200
2		SH-427		2.0890/2.0900	0.0010/0.0050	0.0648	2.2205/2.2220	0.6550
3		SH-428		2.0790/2.0800	0.0010/0.0050	0.0648	2.2105/2.2120	0.6550
4		SH-429		2.0690/2.0700	0.0010/0.0050	0.0648	2.2005/2.2020	0.6550
5		SH-430		2.0590/2.0600	0.0010/0.0050	0.0648	2.1905/2.1920	0.7600

C/S Forging 863712, 317268G1, 365712R1, 365712R2, 817268R1, 836712R2

Connecting Rod 45 To 55 Lbs.Ft.
Main Bearing 75 To 85 Lbs.Ft.

6 CYL

2	175 CID (2.9L) GRD175/HD174 International 6 Cyl (1937-1947)	3.000in./76.2mm x 4.125in./104.8mm	2
	175 CID (2.9L) GRD175A International 6 Cyl (1941-1947)	3.000in./76.2mm x 4.125in./104.8mm	
	213 CID (3.5L) HD3 International 6 Cyl (1935-1937)	3.313in./84.2mm x 4.125in./104.8mm	
	213 CID (3.5L) HD4 International 6 Cyl (1936-1937)	3.313in./84.2mm x 4.125in./104.8mm	
	233 CID (3.8L) GRD233 International 6 Cyl (1941-1949)	3.313in./84.2mm x 4.500in./114.3mm	
	233 CID (3.8L) GRD233A International 6 Cyl (1941-1942)	3.313in./84.2mm x 4.500in./114.3mm	
	233 CID (3.8L) HD232,HD232A International 6 Cyl (1937-1941)	3.313in./84.2mm x 4.500in./114.3mm	

Cam Bearing Set	B-1	SH-69S	STD					
		SH-69		2.1855/2.1860	0.0010/0.0040	0.0640	2.3165/2.3175	1.1350
NOTE: Contains 1 Bearing, Order As Required								

Rod Forging 1820YA, 391320, 60832B, 59998R1, FD-59998R1
C/S Forging 1784YD, 60835H, 60835HA, 60835HB

Connecting Rod 56 To 70 Lbs.Ft.
Main Bearing 75 To 85 Lbs.Ft. (1/2" Bolts)
Main Bearing 90 To 100 Lbs.Ft. (5/8" Bolts)

3	198 CID (3.2L) 6-33 Nissan Diesel 6 Cyl (1976-1979)	3.268in./83mm x 3.937in./100mm					3

Rod Bearing(6)	TM-1	CB-988P	STD,.25mm,.50mm,.75mm	2.0832/2.0837	0.0014/0.0034	0.0590	2.2042/2.2047	1.0230
Main Bearing Set	TM-1	MS-1332P	STD,.25mm					
1-2-3-4		MB-642P		2.7916/2.7921	0.0014/0.0034	0.0790	2.9520/2.9528	1.2650
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-230S								
Thrust Washer Set		TW-230S	STD					
		MB-648W(L)		3.0950/3.1050			3.6830/3.6930	0.0910
		MB-648W(U)		3.0950/3.1050			3.6830/3.6930	0.0910
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1332P								
Cam Bearing Set	B-1	SH-952S	STD					
1		SH-772		1.7887/1.7892	0.0010/0.0040	0.0624	1.9150/1.9160	0.5610
2-3		SH-765		1.7282/1.7287	0.0015/0.0046	0.0624	1.8550/1.8560	0.8760
4		SH-774		1.6228/1.6233	0.0009/0.0040	0.0624	1.7490/1.7500	0.9550
NOTE: Thru 4/79								

NAVISTAR/INTERNATIONAL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
3 (Cont.)	198 CID (3.2L) 6-33 Nissan Diesel 6 Cyl (1976-1979)			3.268in./83mm x 3.937in./100mm				3 (Cont.)
Cam Bearing Set	B-1	SH-1432S	STD					
1		SH-1432		2.0226/2.0236	0.0008/0.0035	0.0585	2.1421/2.1429	0.9450
2		SH-1433		2.0147/2.0157	0.0008/0.0035	0.0585	2.1342/2.1350	0.8660
3		SH-1434		2.0069/2.0079	0.0008/0.0035	0.0585	2.1264/2.1272	0.8660
4		SH-1435		1.9990/2.0000	0.0008/0.0035	0.0585	2.1185/2.1193	0.9450
NOTE: From 5/79								
Connecting Rod	37 Lbs.Ft.							
Main Bearing	123 To 127 Lbs.Ft.							
4	198 CID (3.2L) 6-33T Nissan Turbocharged Diesel 6 Cyl (1980)			3.268in./83mm x 3.937in./100mm				4
Rod Bearing(6)	TM-1	CB-988P	STD,.25mm,.50mm,.75mm	2.0832/2.0837	0.0014/0.0034	0.0590	2.2042/2.2047	1.0230
Main Bearing Set	TM-1	MS-1332P	STD,.25mm					
1-2-3-4		MB-642P		2.7916/2.7921	0.0014/0.0034	0.0790	2.9520/2.9528	1.2650
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-230S								
Thrust Washer Set		TW-230S	STD					
		MB-648W(L)		3.0950/3.1050			3.6830/3.6930	0.0910
		MB-648W(U)		3.0950/3.1050			3.6830/3.6930	0.0910
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1332P								
Cam Bearing Set	B-1	SH-1432S	STD					
1		SH-1432		2.0226/2.0236	0.0008/0.0035	0.0585	2.1421/2.1429	0.9450
2		SH-1433		2.0147/2.0157	0.0008/0.0035	0.0585	2.1342/2.1350	0.8660
3		SH-1434		2.0069/2.0079	0.0008/0.0035	0.0585	2.1264/2.1272	0.8660
4		SH-1435		1.9990/2.0000	0.0008/0.0035	0.0585	2.1185/2.1193	0.9450
Connecting Rod	37 Lbs.Ft.							
Main Bearing	123 To 127 Lbs.Ft.							
5	220 CID (3.6L) BD220 International 6 Cyl (1957-1962)			3.563in./90.5mm x 3.688in./93.7mm				5
	220 CID (3.6L) BG220 International 6 Cyl (1963-1968)			3.563in./90.5mm x 3.688in./93.7mm				
	220 CID (3.6L) SD220 International 6 Cyl (1950-1957)			3.563in./90.5mm x 3.688in./93.7mm				
	220 CID (3.6L) SD220 International LPG 6 Cyl (1953-1954)			3.563in./90.5mm x 3.688in./93.7mm				
	240 CID (3.9L) BD240 International 6 Cyl (1955-1962)			3.563in./90.5mm x 4.016in./102mm				
	240 CID (3.9L) SD240 International 6 Cyl (1949-1969)			3.563in./90.5mm x 4.016in./102mm				
	240 CID (3.9L) SD240 International LPG 6 Cyl (1953-1955)			3.563in./90.5mm x 4.016in./102mm				
	241 CID (3.9L) BG241 International 6 Cyl (1965-1966)			3.563in./90.5mm x 4.016in./102mm				
	241 CID (3.9L) BG241 International LPG 6 Cyl (1963-1970)			3.563in./90.5mm x 4.016in./102mm				
	264 CID (4.3L) BD264 International 6 Cyl (1955-1969)			3.688in./93.7mm x 4.125in./104.8mm				
	265 CID (4.3L) BG265 International 6 Cyl (1955-1970)			3.688in./93.7mm x 4.125in./104.8mm				
Rod Bearing(6)	TM-112	CB-475P	STD,10,20,30,40	2.3730/2.3740	0.0014/0.0039	0.0623	2.4995/2.5000	1.1000
Cam Bearing Set	B-1	SH-220S	STD					
1		SH-493		2.1090/2.1100	0.0005/0.0050	0.0648	2.2400/2.2415	1.1350
2		SH-220		2.0890/2.0900	0.0005/0.0050	0.0648	2.2200/2.2215	1.0720
3		SH-455		2.0690/2.0700	0.0005/0.0050	0.0648	2.2000/2.2015	1.0720
4		SH-224		1.4995/1.5005	0.0005/0.0050	0.0648	1.6305/1.6320	1.3220
NOTE: Contains Late Style Bearing with 2 Oil Holes, Will Service Both Early And Late Engines								
Piston Pin Bushing(6)	B	223-3469	STD			0.0330	0.9305/0.9315	1.2650
NOTE: Requires Light Reaming								
Rod Forging	70009R1, 70009R2							
C/S Forging	70115R1, 70115R3, 70118R1, 141779R1, 141780R1, 166088R1							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
6	232 CID (3.8L) PT6 International 6 Cyl (1969-1972)			3.750in./95.3mm x 3.500in./88.9mm				6
	258 CID (4.2L) American Motors 6 Cyl (1972-1974)			3.750in./95.3mm x 3.906in./99.2mm				
Rod Bearing(6)	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set	TM-77	MS-704P	STD,10,20,30,40					
1-2-4-5-6-7		MB-2263P		2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	0.9860
3		MB-2264P(F)		2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	1.2700

NAVISTAR/INTERNATIONAL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
6 (Cont.)	232 CID (3.8L) PT6 International 6 Cyl (1969-1972)			3.750in./95.3mm x 3.500in./88.9mm				6
	258 CID (4.2L) American Motors 6 Cyl (1972-1974)			3.750in./95.3mm x 3.906in./99.2mm				(Cont.)
Cam Bearing Set	B-1	SH-1980S	STD					
1		SH-1980		2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6950
2		SH-550		2.0195/2.0205	0.0010/0.0050	0.0620	2.1455/2.1465	0.7050
3		SH-551		2.0095/2.0105	0.0010/0.0050	0.0620	2.1355/2.1365	0.7050
4		SH-552		1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.7050
Rod Forging	207, 352, 707, 3172341, 3173210, 3182749							
C/S Forging	3199798, 3214723, 3235477, RD67703, 3199738C							
Connecting Rod	30 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
7	250 CID (4.1L) BLD250 International 6 Cyl (1941-1949)			3.438in./87.3mm x 4.500in./114.3mm				7
	269 CID (4.4L) BLD269 International 6 Cyl (1942-1956)			3.563in./90.5mm x 4.500in./114.3mm				
	269 CID (4.4L) BLD269A International 6 Cyl (1942-1949)			3.563in./90.5mm x 4.500in./114.3mm				
	282 CID (4.6L) BD282 International 6 Cyl (1953-1962)			3.8125in./96.8mm x 4.125in./104.8mm				
	282 CID (4.6L) BD282 International LPG 6 Cyl (1953-1955)			3.8125in./96.8mm x 4.125in./104.8mm				
	308 CID (5.0L) BD308 International 6 Cyl (1955-1975)			3.813in./96.9mm x 4.500in./114.3mm				
Rod Bearing(6)	TM-112	CB-452P	STD,10,20	2.1220/2.1230	0.0012/0.0037	0.0564	2.2365/2.2370	1.1980
Rod Forging	116390H, 62930R1, 62930R4, 62930R5							
C/S Forging	116447H, 74062R1, 74962R1, 125932R1, 129532R1							
Connecting Rod	56 To 70 Lbs.Ft. (250 CID (4.1L))							
Connecting Rod	75 To 85 Lbs.Ft. (269 CID (4.4L),282 CID (4.6L),308 CID (5.0L))							
Main Bearing	100 To 110 Lbs.Ft. (269 CID (4.4L),282 CID (4.6L),308 CID (5.0L))							
Main Bearing	90 To 100 Lbs.Ft. (250 CID (4.1L))							
8	301 CID (4.9L) D301 International Diesel 6 Cyl (1960-1978)			3.813in./96.9mm x 4.391in./111.5mm				8
Rod Bearing(6)	TM-112	CB-550P	STD,1,2,10,20,30	2.3730/2.3740	0.0014/0.0039	0.0623	2.4995/2.5000	1.0030
Main Bearing Set	TM-112	MS-494P	STD,10,20					
1		MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480
2		MB-1910P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.0860
3		MB-1911P(F)		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100
4		MB-1912P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.8430
NOTE: Engines With 3.750" Main Bearing Flange Outside Diameter								
Main Bearing Set	TM-112	MS-683P	STD,10,20					
1		MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480
2		MB-1910P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.0860
3		MB-2231P(F)		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100
4		MB-1912P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.8430
NOTE: Engines With 4.000" Main Bearing Flange Outside Diameter								
Cam Bearing Set	B-1	SH-220S	STD					
1		SH-493		2.1090/2.1100	0.0005/0.0050	0.0648	2.2400/2.2415	1.1350
2		SH-220		2.0890/2.0900	0.0005/0.0050	0.0648	2.2200/2.2215	1.0720
3		SH-455		2.0690/2.0700	0.0005/0.0050	0.0648	2.2000/2.2015	1.0720
4		SH-224		1.4995/1.5005	0.0005/0.0050	0.0648	1.6305/1.6320	1.3220
Piston Pin Bushing(6)	C-1	223-3566	STD			0.0660	1.2500/1.2505	1.3220
NOTE: Engines With 1.125" Piston Pin Diameter, Requires Boring								
Rod Forging	306280R1, 367406R1							
C/S Forging	267267R1, 315712R3, 320185R1, 367267R1, 323882R11							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							

NAVISTAR/INTERNATIONAL (Cont.)

COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
9	318 CID (5.2L) RED318 International 6 Cyl (1944-1947)				3.875in./98.4mm x 4.500in./114.3mm				9
	361 CID (5.9L) RED361 International 6 Cyl (1944-1949)				4.125in./104.8mm x 4.500in./114.3mm				
	372 CID (6.1L) RD372 International 6 Cyl (1949-1968)				4.375in./111.1mm x 4.125in./104.8mm				
	372 CID (6.1L) RD372 International LPG 6 Cyl (1952-1956)				4.375in./111.1mm x 4.125in./104.8mm				
	401 CID (6.6L) RED401 International 6 Cyl (1944-1949)				4.125in./104.8mm x 5.000in./127mm				
	401 CID (6.6L) RED401B International 6 Cyl (1944-1947)				4.125in./104.8mm x 5.000in./127mm				
	406 CID (6.7L) RD406 International 6 Cyl (1949-1977)				4.375in./111.1mm x 4.500in./114.3mm				
	406 CID (6.7L) RD406 International LPG 6 Cyl (1953-1968)				4.375in./111.1mm x 4.500in./114.3mm				
	450 CID (7.4L) RD450 International 6 Cyl (1949-1974)				4.375in./111.1mm x 5.000in./127mm				
	450 CID (7.4L) RD450LPG International LPG 6 Cyl (1953-1968)				4.375in./111.1mm x 5.000in./127mm				
450 CID (7.4L) RED450 International 6 Cyl (1944-1968)				4.375in./111.1mm x 5.000in./127mm					
501 CID (8.2L) RD501 International 6 Cyl (1953-1974)				4.500in./114.3mm x 5.250in./133.4mm					
501 CID (8.2L) RD501LPG International LPG 6 Cyl (1955-1972)				4.500in./114.3mm x 5.250in./133.4mm					
Rod Bearing(6)	TM-112	CB-266P	STD,10,20,30,40,C60	2.7510/2.7520	0.0022/0.0047	0.0722	2.8980/2.8985	1.3800	
Cam Bearing Set	B-1	SH-493S	STD						
1		SH-493		2.1090/2.1100	0.0005/0.0050	0.0648	2.2400/2.2415	1.1350	
2		SH-220		2.0890/2.0900	0.0005/0.0050	0.0648	2.2200/2.2215	1.0720	
3		SH-221		2.0690/2.0700	0.0005/0.0050	0.0648	2.2000/2.2015	1.0720	
4		SH-222		1.4995/1.5005	0.0005/0.0050	0.0648	1.6305/1.6320	1.5410	
Piston Pin Bushing(6)	C-1	223-3461	STD			0.6050	1.2175/1.2190	1.5410	
NOTE: Requires Light Reaming									
Rod Forging	118701H, 118701HA, C-126111								
C/S Forging	118528H, 118530H, 83917R1, 83917R2, 83917R3, 93917R1, 93917R3, 131850R1, 837719R1								
Connecting Rod Main Bearing	75 To 85 Lbs.Ft. 100 To 110 Lbs.Ft.								
10	360 CID (5.9L) DT360 International Turbocharged Diesel 6 Cyl (1987-1995)				3.875in./98.4mm x 5.085in./129.2mm				10
	360 CID (5.9L) DTA360 International Turbocharged Diesel 6 Cyl (1987-1993)				3.875in./98.4mm x 5.085in./129.2mm				
Piston Pin Bushing(6)	C-1	223-3627	STD			0.0635	1.7250/1.7255	1.2750	
NOTE: Requires Boring									
C/S Forging	1A, 1AA, 188A, 202B, 2MAE, 2 MAE, 1805420C1, 1809954C1, 1816975C1, 1812320C91								
Connecting Rod Main Bearing	80 Lbs.Ft. 115 Lbs.Ft.								
11	401 CID (6.6L) FBC401 International 6 Cyl (1941-1944)				4.125in./104.8mm x 3.750in./95.3mm				11
Piston Pin Bushing(6)	C-1	223-3461	STD			0.6050	1.2175/1.2190	1.5410	
NOTE: Requires Light Reaming									
12	408 CID (6.7L) DT408P International Turbocharged/Intercooled Diesel 6 Cyl				4.300in./109.2mm x 4.680in./118.9mm				12
	466 CID (7.6L) DT466NGD International Turbocharged CNG 6 Cyl				4.300in./109.2mm x 5.350in./135.9mm				
	530 CID (8.7L) I530P International Turbocharged/Intercooled Diesel 6 Cyl				4.587in./116.5mm x 5.350in./135.9mm				
Rod Bearing(6)	TM-77	CB-1659P	STD,10,20	3.1493/3.1506	0.0018/0.0051	0.0996	3.3516/3.3526	1.4400	
Main Bearing Set	TM-77	MS-2096P	STD,10,20						
1-2-3-4-5-6		MB-3555P		3.5344/3.5356	0.0018/0.0051	0.1556	3.8486/3.8496	1.3510	
7		MB-3556P(F)		3.5344/3.5356	0.0018/0.0051	0.1556	3.8486/3.8496	1.7000	
13	466 CID (7.6L) DT466B,DTI466B International Turbocharged Diesel 6 Cyl (1978-1982)				4.300in./109.2mm x 5.350in./135.9mm				13
	466 CID (7.6L) DT466 International Turbocharged Diesel 6 Cyl (1975-1977)				4.300in./109.2mm x 5.350in./135.9mm				
Rod Bearing(6)	TM-112	CB-675P	STD,10,20,30,40	2.9977/2.9990	0.0023/0.0056	0.0996	3.2000/3.2010	1.2000	
Main Bearing Set	TM-112	MS-1343P	STD,10,20,30						
1-2-3-4-5-6		MB-2628P		3.3742/3.3755	0.0021/0.0051	0.1556	3.6885/3.6895	1.2250	
7		MB-2629P(F)		3.3742/3.3755	0.0021/0.0051	0.1556	3.6885/3.6895	1.7770	
NOTE: .030" Undersize Set Contains .012" Oversize Length Flanged Bearing									
Cam Bearing Set	B-1	SH-994S	STD						
1		SH-994		2.2824/2.2835	0.0010/0.0056	0.1080	2.5005/2.5020	1.0100	
2		SH-995		2.2824/2.2835	0.0010/0.0056	0.0980	2.4805/2.4820	0.7090	
3		SH-996		2.2824/2.2835	0.0010/0.0056	0.0880	2.4605/2.4620	0.7090	
4		SH-997		2.2824/2.2835	0.0010/0.0056	0.0780	2.4405/2.4420	0.7100	

NAVISTAR/INTERNATIONAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
13 (Cont.)	466 CID (7.6L) DT466B,DTI466B International Turbocharged Diesel 6 Cyl (1978-1982)			4.300in./109.2mm x 5.350in./135.9mm			13 (Cont.)	
	466 CID (7.6L) DT466 International Turbocharged Diesel 6 Cyl (1975-1977)			4.300in./109.2mm x 5.350in./135.9mm				
Piston Pin Bushing(6)	C-1	223-3595	STD		0.0635	1.7250/1.7255	1.4000	
NOTE: Requires Boring								
14	466 CID (7.6L) DT466C,DTA466C International Turbocharged Diesel 6 Cyl (1983-1993)			4.300in./109.2mm x 5.350in./135.9mm			14	
	466 CID (7.6L) DTI466C International Turbocharged Diesel 6 Cyl (1983-1987)			4.300in./109.2mm x 5.350in./135.9mm				
Rod Bearing(6)	TM-112	CB-675P	STD,10,20,30,40	2.9977/2.9990	0.0023/0.0056	0.0996	3.2000/3.2010	1.2000
NOTE: Thru Engine Serial Number 440035								
Rod Bearing(6)	TM-112	CB-1365P	STD,10,20,30	2.9977/2.9990	0.0023/0.0056	0.0996	3.2000/3.2010	1.2600
NOTE: From Engine Serial Number 440036								
Main Bearing Set 1-2-3-4-5-6	TM-112	MS-1343P	STD,10,20,30	3.3742/3.3755	0.0021/0.0051	0.1556	3.6885/3.6895	1.2250
7		MB-2628P		3.3742/3.3755	0.0021/0.0051	0.1556	3.6885/3.6895	1.7770
NOTE: Thru Engine Serial Number 440035, .030" Undersize Set Contains .012" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4-5-6	TM-112	MS-1642P	STD,10,20,30	3.3742/3.3755	0.0021/0.0051	0.1556	3.6885/3.6895	1.2290
7		MB-3009P		3.3742/3.3755	0.0021/0.0051	0.1556	3.6885/3.6895	1.7770
NOTE: From Engine Serial Number 440036, .030" Undersize Set Contains .012" Oversize Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-994S	STD	2.2824/2.2835	0.0010/0.0056	0.1080	2.5005/2.5020	1.0100
2		SH-994		2.2824/2.2835	0.0010/0.0056	0.0980	2.4805/2.4820	0.7090
3		SH-995		2.2824/2.2835	0.0010/0.0056	0.0880	2.4605/2.4620	0.7090
4		SH-996		2.2824/2.2835	0.0010/0.0056	0.0780	2.4405/2.4420	0.7100
Piston Pin Bushing(6)	C-1	223-3595	STD		0.0635	1.7250/1.7255	1.4000	
NOTE: Requires Boring								
C/S Forging	1A, 1AA, 188A, 202B, 2MAE, 2 MAE, 1805420C1, 1809954C1, 1816975C1, 1812320C91							
15	466 CID (7.6L) DT466E International Turbocharged Diesel 6 Cyl (1995-2000)			4.300in./109.2mm x 5.350in./135.9mm			15	
	466 CID (7.6L) DT466P Navistar Turbocharged/Intercooled Diesel 6 Cyl (1994-1997)			4.300in./109.2mm x 5.350in./135.9mm				
	530 CID (8.7L) I530E International Turbocharged Diesel 6 Cyl (1995-1999)			4.587in./116.5mm x 5.350in./135.9mm				
Rod Bearing(6)	TM-77	CB-1659P	STD,10,20	3.1493/3.1506	0.0018/0.0051	0.0996	3.3516/3.3526	1.4400
Main Bearing Set 1-2-3-4-5-6	TM-77	MS-2096P	STD,10,20	3.5344/3.5356	0.0018/0.0051	0.1556	3.8486/3.8496	1.3510
7		MB-3555P		3.5344/3.5356	0.0018/0.0051	0.1556	3.8486/3.8496	1.7000
NOTE: MB-3556P(F)								
Cam Bearing Set 1	B-1	SH-994S	STD	2.2824/2.2835	0.0010/0.0056	0.1080	2.5005/2.5020	1.0100
2		SH-994		2.2824/2.2835	0.0010/0.0056	0.0980	2.4805/2.4820	0.7090
3		SH-995		2.2824/2.2835	0.0010/0.0056	0.0880	2.4605/2.4620	0.7090
4		SH-996		2.2824/2.2835	0.0010/0.0056	0.0780	2.4405/2.4420	0.7100
NOTE: SH-997								
8 CYL								
16	266 CID (4.4L) V266 International V8 Cyl (1959-1975)			3.625in./92.1mm x 3.219in./81.8mm			16	
	304 CID (5.0L) V304 International V8 Cyl (1959-1980)			3.875in./98.4mm x 3.219in./81.8mm				
	304 CID (5.0L) V304 International LPG V8 Cyl (1964-1975)			3.875in./98.4mm x 3.219in./81.8mm				
	345 CID (5.6L) V345 International V8 Cyl (1959-1982)			3.875in./98.4mm x 3.656in./92.9mm				
	345 CID (5.6L) V345LPG International LPG V8 Cyl (1962-1982)			3.875in./98.4mm x 3.656in./92.9mm				
	392 CID (6.4L) V392 International V8 Cyl (1969-1982)			4.125in./104.8mm x 3.656in./92.9mm				
	392 CID (6.4L) V392LPG International LPG V8 Cyl (1968-1987)			4.125in./104.8mm x 3.656in./92.9mm				
Rod Bearing(8)	TM-112	CB-581P	STD,1,2,10,20,30,40,C60	2.3730/2.3740	0.0016/0.0041	0.0622	2.4995/2.5000	0.9780
Main Bearing Set 1-2-4-5	TM-112	MS-516P	STD,10,20,30,40	2.7484/2.7494	0.0009/0.0039	0.0955	2.9410/2.9420	0.7260
3		MB-1997P		2.7484/2.7494	0.0013/0.0043	0.0953	2.9410/2.9420	1.0550
NOTE: MB-1998P(F)								

NAVISTAR/INTERNATIONAL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
16 (Cont.)	266 CID (4.4L) V266 International V8 Cyl (1959-1975)				3.625in./92.1mm x 3.219in./81.8mm			16 (Cont.)
	304 CID (5.0L) V304 International V8 Cyl (1959-1980)				3.875in./98.4mm x 3.219in./81.8mm			
	304 CID (5.0L) V304 International LPG V8 Cyl (1964-1975)				3.875in./98.4mm x 3.219in./81.8mm			
	345 CID (5.6L) V345 International V8 Cyl (1959-1982)				3.875in./98.4mm x 3.656in./92.9mm			
	345 CID (5.6L) V345LPG International LPG V8 Cyl (1962-1982)				3.875in./98.4mm x 3.656in./92.9mm			
	392 CID (6.4L) V392 International V8 Cyl (1969-1982)				4.125in./104.8mm x 3.656in./92.9mm			
392 CID (6.4L) V392LPG International LPG V8 Cyl (1968-1987)				4.125in./104.8mm x 3.656in./92.9mm				
Cam Bearing Set	B-1	SH-426S	STD					
1		SH-426		2.0990/2.1000	0.0010/0.0050	0.0648	2.2305/2.2320	0.7200
2		SH-427		2.0890/2.0900	0.0010/0.0050	0.0648	2.2205/2.2220	0.6550
3		SH-428		2.0790/2.0800	0.0010/0.0050	0.0648	2.2105/2.2120	0.6550
4		SH-429		2.0690/2.0700	0.0010/0.0050	0.0648	2.2005/2.2020	0.6550
5		SH-430		2.0590/2.0600	0.0010/0.0050	0.0648	2.1905/2.1920	0.7600
Rod Forging	216114R1, 309253C1							
C/S Forging	391930, 151045R1, 151046R1, 151046R2, 151327R1, 151327R2, 151328R2							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
17	400 CID (6.6L) V400 International V8 Cyl (1973-1975)				4.165in./105.8mm x 3.680in./93.5mm			17
Rod Bearing(8)	TM-77	CB-819P	STD,10,20,30	2.2478/2.2485	0.0019/0.0041	0.0623	2.3745/2.3750	0.8050
Main Bearing Set	TM-77	MS-1041P	STD,10,20,30					
1-2-4-5		MB-2579P		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	0.9280
3		MB-2578P(F)		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	1.2700
Cam Bearing Set	B-1	SH-671S	STD					
1		SH-671		2.1195/2.1205	0.0010/0.0050	0.0620	2.2455/2.2465	0.9350
2		SH-672		2.0895/2.0905	0.0010/0.0050	0.0620	2.2155/2.2165	0.6400
3		SH-673		2.0595/2.0605	0.0010/0.0050	0.0620	2.1855/2.1865	0.6400
4		SH-674		2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6400
5		SH-675		1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.6400
Rod Forging	3191739, 3215845							
C/S Forging	3124725, 3190079, 3190792, 3190793, 3190797, 3190798, 3196921, 3196922, 3199842, 3208795, 3220411, 4487238							
Connecting Rod	35 To 40 Lbs.Ft.							
Main Bearing	95 To 100 Lbs.Ft.							
18	401 CID (6.6L) V401 International V8 Cyl (1956-1972)				4.125in./104.8mm x 3.750in./95.3mm			18
	401 CID (6.6L) VS401 International V8 Cyl (1968-1975)				4.125in./104.8mm x 3.750in./95.3mm			
	461 CID (7.6L) V461 International V8 Cyl (1956-1964)				4.125in./104.8mm x 4.313in./109.6mm			
	478 CID (7.8L) V478 International V8 Cyl (1965-1972)				4.500in./114.3mm x 3.750in./95.3mm			
	478 CID (7.8L) VS478 International V8 Cyl (1965-1977)				4.500in./114.3mm x 3.750in./95.3mm			
	549 CID (9.0L) FTV549 International V8 Cyl (1970-1972)				4.500in./114.3mm x 4.313in./109.6mm			
	549 CID (9.0L) FTVS549 International V8 Cyl (1970-1975)				4.500in./114.3mm x 4.313in./109.6mm			
	549 CID (9.0L) V549 International V8 Cyl (1956-1972)				4.500in./114.3mm x 4.313in./109.6mm			
	549 CID (9.0L) V549LPG International LPG V8 Cyl (1970-1971)				4.500in./114.3mm x 4.313in./109.6mm			
	549 CID (9.0L) VS549 International V8 Cyl (1968-1978)				4.500in./114.3mm x 4.313in./109.6mm			
549 CID (9.0L) VS549LPG International LPG V8 Cyl (1970-1975)				4.500in./114.3mm x 4.313in./109.6mm				
Rod Bearing(8)	TM-112	CB-473P	STD,10,20,30	2.6230/2.6240	0.0016/0.0041	0.0752	2.7755/2.7760	1.1650
Main Bearing Set	TM-112	MS-828P	STD					
1-2-4-5		MB-2401P		3.1240/3.1250	0.0011/0.0041	0.0951	3.3160/3.3170	0.8500
3		MB-2402P(F)		3.1240/3.1250	0.0011/0.0041	0.0951	3.3160/3.3170	1.1940
NOTE: From Engine Serial Number 64556								
Cam Bearing Set	B-1	SH-681S	STD					
1		SH-681		2.3460/2.3470	0.0020/0.0065	0.0625	2.4740/2.4755	1.1970
2		SH-351		2.3160/2.3170	0.0005/0.0050	0.0628	2.4430/2.4445	1.0100
3		SH-352		2.2900/2.2910	0.0005/0.0050	0.0615	2.4145/2.4160	1.0100
4		SH-682		2.2460/2.2470	0.0020/0.0065	0.0625	2.3740/2.3755	1.0100
Piston Pin Bushing(8)	B	223-3502	STD			0.0610	1.4060/1.4075	1.3960
NOTE: Requires Boring								
Rod Forging	133512R3, 133521R3, 133524R3							
C/S Forging	82856, 852856, 118530H, 118530R1, 123441R3, 131440R3, 133440R1, 133440R3, 133441R1, 133441R3, 133894R1, 133894R3, 133894R4, 242880R91, 242881R91, 242882R91, 289878C91, 296733C91							
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	100 To 110 Lbs.Ft.							

NAVISTAR/INTERNATIONAL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
19	404 CID (6.6L) MV404 International V8 Cyl (1975-1982)			4.125in./104.8mm x 3.750in./95.3mm				19
	446 CID (7.3L) MV446 International V8 Cyl (1975-1981)			4.125in./104.8mm x 4.188in./106.4mm				
Rod Bearing(8)	TM-112	CB-1230P	STD,10,20,30,40	2.4980/2.4990	0.0016/0.0041	0.0622	2.6245/2.6250	0.9780
Main Bearing Set	TM-112	MS-1460P	STD,10,20,30					
1-2-4-5		MB-2763P		3.1228/3.1236	0.0031/0.0047	0.0953	3.3152/3.3160	0.8050
3		MB-2764P(F)		3.1228/3.1236	0.0031/0.0047	0.0953	3.3152/3.3160	1.1300
Cam Bearing Set	B-1	SH-1092S	STD					
1		SH-1092		2.0990/2.1000	0.0009/0.0054	0.0638	2.2305/2.2320	0.7900
2-3-4-5		SH-1093		2.0990/2.1000	0.0009/0.0054	0.0638	2.2305/2.2320	0.6550
Piston Pin Bushing(8)	C-1	223-3584	STD			0.1244	1.1450/1.1460	0.9950
NOTE: Requires Boring								
C/S Forging CF446-766C-1								
Connecting Rod	38 To 44 Lbs.Ft.							
Main Bearing	90 To 100 Lbs.Ft.							
20	420 CID (6.9L) Navistar Diesel V8 Cyl (1980-1988)			4.000in./101.6mm x 4.180in./106.2mm				20
	444 CID (7.3L) Indirect Injection International Diesel V8 Cyl (1988-1995)			4.110in./104.4mm x 4.180in./106.2mm				
Rod Bearing(8)	TM-112	CB-1327P	STD,10,20,30,40	2.4980/2.4990	0.0011/0.0041	0.0952	2.6905/2.6915	0.8880
Main Bearing Set	TM-112	MS-1596P	STD,10,20,30,40					
1-2-4-5		MB-2934P		3.1228/3.1236	0.0021/0.0049	0.0949	3.3152/3.3162	0.8750
3		MB-2935P(F)		3.1228/3.1236	0.0021/0.0049	0.0949	3.3152/3.3162	1.1300
Cam Bearing Set	AL-3	SH-1092S	STD					
1		SH-1092		2.0990/2.1000	0.0009/0.0054	0.0638	2.2305/2.2320	0.7900
2-3-4-5		SH-1093		2.0990/2.1000	0.0009/0.0054	0.0638	2.2305/2.2320	0.6550
Piston Pin Bushing(8)	C-1	223-3583	STD			0.1580	1.2375/1.2380	1.0780
NOTE: Requires Boring								
C/S Forging 446530, 446530C1, 446531C1								
Connecting Rod	48 To 54 Lbs.Ft.							
Main Bearing	95 Lbs.Ft.							
21	444 CID (7.3L) T444E (Power Stroke) D.I. International Turbocharged/Intercooled Diesel V8 Cyl (1994-1999)			4.110in./104.4mm x 4.180in./106.2mm				21
Rod Bearing(8)	TM-112	CB-1633P	STD,10,20,30,40	2.4980/2.4990	0.0016/0.0046	0.0952	2.6905/2.6915	0.9640
Main Bearing Set	TM-112	MS-2034P	STD,10,20,30					
1-2-3-4		MB-3497P		3.1228/3.1236	0.0018/0.0046	0.0949	3.3152/3.3162	0.9330
5		MB-3498P(F)		3.1228/3.1236	0.0018/0.0046	0.0949	3.3152/3.3162	1.2380
Piston Pin Bushing(8)	C-1	223-3652	STD			0.0760	1.4320/1.4330	1.1520
NOTE: Requires Light Reaming								
Rod Forging	1816619C1							
C/S Forging	1818200C3							
Connecting Rod	Step A 52 Lbs.Ft.; Step B 80 Lbs.Ft.							
Main Bearing	Step A 75 Lbs.Ft.; Step B 95 Lbs.Ft.							
22	461 CID (7.6L) D150 International Diesel V8 Cyl (1975-1979)			4.125in./104.8mm x 4.313in./109.6mm				22
	461 CID (7.6L) DV462B International Diesel V8 Cyl (1970-1972)			4.125in./104.8mm x 4.313in./109.6mm				
	461 CID (7.6L) DV462 International Diesel V8 Cyl (1966-1972)			4.125in./104.8mm x 4.313in./109.6mm				
	549 CID (9.0L) D170,D190 International Diesel V8 Cyl (1975-1979)			4.500in./114.3mm x 4.313in./109.6mm				
	549 CID (9.0L) DV550B International Diesel V8 Cyl (1970-1976)			4.500in./114.3mm x 4.313in./109.6mm				
	549 CID (9.0L) DV550 International Diesel V8 Cyl (1966-1972)			4.500in./114.3mm x 4.313in./109.6mm				
Rod Bearing(8)	TM-112	CB-807P	STD,10,20,30,40	2.7530/2.7540	0.0024/0.0049	0.0948	2.9455/2.9460	0.9900
Main Bearing Set	TM-112	MS-883P	STD,10,20,30					
1-2-4-5		MB-2482P		3.1230/3.1240	0.0021/0.0051	0.0951	3.3160/3.3170	1.0100
3		MB-2483P(F)		3.1230/3.1240	0.0021/0.0051	0.0951	3.3160/3.3170	1.3540
NOTE: Undersize Bearings Can Be Used But The Crankshaft Must Be Rehardened By The TUFFTRIDED Process								
Cam Bearing Set	B-1	SH-681S	STD					
1		SH-681		2.3460/2.3470	0.0020/0.0065	0.0625	2.4740/2.4755	1.1970
2		SH-351		2.3160/2.3170	0.0005/0.0050	0.0628	2.4430/2.4445	1.0100
3		SH-352		2.2900/2.2910	0.0005/0.0050	0.0615	2.4145/2.4160	1.0100
4		SH-682		2.2460/2.2470	0.0020/0.0065	0.0625	2.3740/2.3755	1.0100

NAVISTAR/INTERNATIONAL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
22 (Cont.)	461 CID (7.6L) D150 International Diesel V8 Cyl (1975-1979)				4.125in./104.8mm x 4.313in./109.6mm			22 (Cont.)
	461 CID (7.6L) DV462B International Diesel V8 Cyl (1970-1972)				4.125in./104.8mm x 4.313in./109.6mm			
	461 CID (7.6L) DV462 International Diesel V8 Cyl (1966-1972)				4.125in./104.8mm x 4.313in./109.6mm			
	549 CID (9.0L) D170,D190 International Diesel V8 Cyl (1975-1979)				4.500in./114.3mm x 4.313in./109.6mm			
	549 CID (9.0L) DV550B International Diesel V8 Cyl (1970-1976)				4.500in./114.3mm x 4.313in./109.6mm			
	549 CID (9.0L) DV550 International Diesel V8 Cyl (1966-1972)				4.500in./114.3mm x 4.313in./109.6mm			
Connecting Rod	55 Lbs.Ft. Plus 60 Degrees							
Main Bearing	125 To 135 Lbs.Ft. (Main Bolts)							
Main Bearing	40 To 50 Lbs.Ft. (Side Bolts)							
23	537 CID (8.8L) V537 International V8 Cyl (1978-1981)				4.625in./117.5mm x 4.000in./101.6mm			23
Rod Bearing(8)	TM-112	CB-1242P	STD,10	2.6230/2.6240	0.0011/0.0036	0.0752	2.7755/2.7760	1.0700
Main Bearing Set	TM-112	MS-883P	STD,10,20,30					
1-2-4-5		MB-2482P		3.1230/3.1240	0.0021/0.0051	0.0951	3.3160/3.3170	1.0100
3		MB-2483P(F)		3.1230/3.1240	0.0021/0.0051	0.0951	3.3160/3.3170	1.3540
Cam Bearing Set	B-1	SH-681S	STD					
1		SH-681		2.3460/2.3470	0.0020/0.0065	0.0625	2.4740/2.4755	1.1970
2		SH-351		2.3160/2.3170	0.0005/0.0050	0.0628	2.4430/2.4445	1.0100
3		SH-352		2.2900/2.2910	0.0005/0.0050	0.0615	2.4145/2.4160	1.0100
4		SH-682		2.2460/2.2470	0.0020/0.0065	0.0625	2.3740/2.3755	1.0100
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	125 To 135 Lbs.Ft.							
24	551 CID (9.0L) International Diesel V8 Cyl (1980-1988)				4.510in./114.6mm x 4.313in./109.6mm			24
Rod Bearing(8)	TM-112	CB-1266P	STD,10,20,30,40	2.7530/2.7540	0.0024/0.0051	0.0948	2.9455/2.9460	0.8520
Main Bearing Set	TM-112	MS-883P	STD,10,20,30					
1-2-4-5		MB-2482P		3.1230/3.1240	0.0021/0.0051	0.0951	3.3160/3.3170	1.0100
3		MB-2483P(F)		3.1230/3.1240	0.0021/0.0051	0.0951	3.3160/3.3170	1.3540
Cam Bearing Set	B-1	SH-681S	STD					
1		SH-681		2.3460/2.3470	0.0020/0.0065	0.0625	2.4740/2.4755	1.1970
2		SH-351		2.3160/2.3170	0.0005/0.0050	0.0628	2.4430/2.4445	1.0100
3		SH-352		2.2900/2.2910	0.0005/0.0050	0.0615	2.4145/2.4160	1.0100
4		SH-682		2.2460/2.2470	0.0020/0.0065	0.0625	2.3740/2.3755	1.0100
Rod Forging	489300, 278712C1, 427216C1							
Connecting Rod	55 Lbs.Ft. Plus 60 Degrees							
25	573 CID (9.4L) DVT573 International Turbocharged Diesel V8 Cyl (1968-1971)				4.500in./114.3mm x 4.500in./114.3mm			25
	573 CID (9.4L) DVTI573B,DVTI573 International Turbocharged Diesel V8 Cyl				4.500in./114.3mm x 4.500in./114.3mm			
	798 CID (13.1L) V800 International Turbocharged Diesel V8 Cyl (1975-1979)				5.313in./135mm x 4.500in./114.3mm			
Rod Bearing(8)	TM-112	CB-685P	STD,10,20,30	2.9972/2.9982	0.0023/0.0056	0.0996	3.2000/3.2010	1.3510
Main Bearing Set	TM-112	MS-1388P	STD,10					
1-2-3-4		MB-2690P		3.7477/3.7490	0.0029/0.0062	0.1552	4.0620/4.0630	1.4150
5		MB-2691P(F)		3.7477/3.7490	0.0029/0.0062	0.1552	4.0620/4.0630	1.9000
Cam Bearing Set	C-1	SH-543S	STD					
1-2-3-4-5		SH-543		2.3470/2.3480	0.0010/0.0055	0.0625	2.4740/2.4755	1.0100
Connecting Rod	120 To 130 Lbs.Ft.							
Main Bearing	275 To 300 Lbs.Ft.							

ENGINE DATA

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				4 CYL (Cont.)			
988CC (1.0L) A10	1965-1971	2.874in./73mmX2.323in./59mm	1	3298CC (3.3L) ED33	1978-1990	3.937in./100mmX4.134in./105mm	17
1138CC (1.1L) D11	1966-1978	2.874in./73mmX2.677in./68mm	2	Diesel			
1171CC (1.2L) A12	1971-1973	2.874in./73mmX2.756in./70mm	3	3298CC (3.3L) FD33T	1983-1990	3.937in./100mmX4.134in./105mm	17
1189CC (1.2L) E1	1961-1966	2.874in./73mmX2.795in./71mm	4	Turbo Turbocharged Diesel			
1237CC (1.2L) A12A	1980-1982	2.953in./75mmX2.756in./70mm	3	3465CC (3.5L) FD35	1986-1990	4.035in./102.5mmX4.134in./105mm	17
1288CC (1.3L) A13	1973-1974	2.874in./73mmX3.031in./77mm	3	Diesel			
1299CC (1.3L) J13	1965-1972	2.874in./73mmX3.071in./78mm	4	3465CC (3.5L) FD35T	1986-1990	4.035in./102.5mmX4.134in./105mm	17
1397CC (1.4L) A14	1975-1982	2.992in./76mmX3.031in./77mm	3	Turbo Turbocharged Diesel			
1488CC (1.5L) A15	1979-1982	2.992in./76mmX3.228in./82mm	3				
1488CC (1.5L) E15/E15S	1982-1983	2.992in./76mmX3.228in./82mm	5	6 CYL			
1488CC (1.5L) E15T	1983-1984	2.992in./76mmX3.228in./82mm	5	2393CC (2.4L) L24 SOHC	1970-1973	3.268in./83mmX2.913in./74mm	18
Turbocharged				2393CC (2.4L) L24E	1977-1984	3.268in./83mmX2.913in./74mm	19
1595CC (1.6L) L16	1968-1973	3.268in./83mmX2.886in./73.3mm	6	SOHC			
1597CC (1.6L) CA16DE	1987	3.071in./78mmX3.307in./84mm	7	2565CC (2.6L) L26	1974	3.268in./83mmX3.110in./79mm	18
1597CC (1.6L) E16	1983-1986	2.992in./76mmX3.465in./88mm	5	2753CC (2.8L) L28E	1975-1983	3.386in./86mmX3.110in./79mm	18
1597CC (1.6L) E16/E16S	1986-1988	2.992in./76mmX3.465in./88mm	5	SOHC			
1597CC (1.6L) GA16DE	1991-1998	2.992in./76mmX3.465in./88mm	8	2753CC (2.8L) L28ET	1981-1983	3.386in./86mmX3.110in./79mm	18
1597CC (1.6L) GA16I	1989-1990	2.992in./76mmX3.465in./88mm	8	SOHC Turbo			
1680CC (1.7L) CD17	1983-1986	3.150in./80mmX3.307in./84mm	7	Turbocharged			
Diesel				2793CC (2.8L) LD28	1981-1983	3.327in./84.5mmX3.268in./83mm	18
1770CC (1.8L) L18	1973-1974	3.346in./85mmX3.071in./78mm	6	SOHC Diesel			
1809CC (1.8L) CA18DE	1988-1989	3.268in./83mmX3.307in./84mm	7	2960CC (3.0L) VE30DE	1992-1994	3.425in./87mmX3.268in./83mm	20
1809CC (1.8L) CA18ET	1984-1987	3.268in./83mmX3.307in./84mm	7	DOHC			
Turbo Turbocharged				2960CC (3.0L) VG30	1984-1989	3.425in./87mmX3.268in./83mm	20
1952CC (2.0L) L20B	1974-1980	3.346in./85mmX3.386in./86mm	9	SOHC			
1952CC (2.0L) Z20	1983-1985	3.346in./85mmX3.386in./86mm	9	2960CC (3.0L) VG30DE	1990-1996	3.425in./87mmX3.268in./83mm	20
1952CC (2.0L) Z20E	1980-1981	3.346in./85mmX3.386in./86mm	9	DOHC			
1952CC (2.0L) Z20S	1980-1981	3.346in./85mmX3.386in./86mm	9	2960CC (3.0L) VG30DETT	1990-1996	3.425in./87mmX3.268in./83mm	20
1974CC (2.0L) CA20E	1984-1989	3.327in./84.5mmX3.465in./88mm	7	DOHC Twin Turbo			
1974CC (2.0L) CA20S	1982-1983	3.327in./84.5mmX3.465in./88mm	7	Turbocharged			
1982CC (2.0L) H20	1967-1992	3.433in./87.2mmX3.268in./83mm	10	2960CC (3.0L) VG30E	1984-1998	3.425in./87mmX3.268in./83mm	20
1982CC (2.0L) U20	1968-1970	3.433in./87.2mmX3.268in./83mm	10	SOHC			
1998CC (2.0L) SR20DE	1991-1998	3.386in./86mmX3.386in./86mm	11	2960CC (3.0L) VG30T	1984-1989	3.425in./87mmX3.268in./83mm	20
DOHC				SOHC Turbo			
2164CC (2.2L) SD22 OHV	1963-1983	3.268in./83mmX3.937in./100mm	12	Turbocharged			
Diesel				3246CC (3.2L) SD33	1966-1990	3.268in./83mmX3.937in./100mm	21
2187CC (2.2L) Z22 SOHC	1981-1983	3.425in./87mmX3.622in./92mm	9	Diesel			
2187CC (2.2L) Z22E	1982-1983	3.425in./87mmX3.622in./92mm	9	3275CC (3.3L) VG33E	1996-2000	3.602in./91.5mmX3.268in./83mm	20
SOHC				SOHC			
2289CC (2.3L) TD23	1986-1990	3.504in./89mmX3.622in./92mm	13	3956CC (4.0L) P/PF	1960-1980	3.374in./85.7mmX4.500in./114.3mm	22
Diesel				3956CC (4.0L) P40/PF	1981-1990	3.374in./85.7mmX4.500in./114.3mm	22
2389CC (2.4L) KA24DE	1991-2002	3.504in./89mmX3.780in./96mm	14	6925CC (6.9L) FE6 Diesel	1980-1991	4.252in./108mmX4.961in./126mm	23
DOHC				6925CC (6.9L) FE6T	1989-1991	4.252in./108mmX4.961in./126mm	23
2389CC (2.4L) KA24E	1989-1997	3.504in./89mmX3.780in./96mm	14	Turbocharged Diesel			
SOHC				6925CC (6.9L) FE6TA	1992-1998	4.252in./108mmX4.961in./126mm	23
2389CC (2.4L) Z24/Z24i	1983-1989	3.504in./89mmX3.780in./96mm	9	Turbocharged/Aftercooled			
2488CC (2.5L) SD25 OHV	1983-1986	3.504in./89mmX3.937in./100mm	15	Diesel			
Diesel							
2663CC (2.7L) TD27	1986-1990	3.780in./96mmX3.622in./92mm	16				
Diesel							

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
200SX	1597CC (1.6L) GA16DE	1995-1998	8	260Z	2565CC (2.6L) L26	1974	18
200SX	1809CC (1.8L) CA18ET Turbo	1984-1987	7	280Z	2753CC (2.8L) L28E SOHC	1975-1978	18
200SX	1952CC (2.0L) L20B	1977-1979	9	280ZX	2753CC (2.8L) L28E SOHC	1979-1983	18
200SX	1952CC (2.0L) Z20E	1980-1981	9	280ZX	2753CC (2.8L) L28ET SOHC	1981-1983	18
200SX	1974CC (2.0L) CA20E	1984-1988	7	Turbo			
200SX	1998CC (2.0L) SR20DE DOHC	1995-1998	11	300ZX	2960CC (3.0L) VG30T SOHC	1984-1989	20
200SX	2187CC (2.2L) Z22E SOHC	1982-1983	9	Turbo			
200SX	2960CC (3.0L) VG30E SOHC	1987-1988	20	300ZX	2960CC (3.0L) VG30 SOHC	1984-1989	20
210	1237CC (1.2L) A12A	1979-1981	3	300ZX	2960CC (3.0L) VG30DE DOHC	1989-1996	20
210	1397CC (1.4L) A14	1979-1982	3	300ZX	2960CC (3.0L) VG30DETT	1990-1996	20
210	1488CC (1.5L) A15	1979-1981	3	DOHC Twin Turbo			
240SX	2389CC (2.4L) KA24E SOHC	1989-1990	14	310	1397CC (1.4L) A14	1979-1980	3
240SX	2389CC (2.4L) KA24DE DOHC	1991-1998	14	310	1488CC (1.5L) A15	1981	3
240Z	2393CC (2.4L) L24 SOHC	1970-1973	18	310	1488CC (1.5L) E15/E15S	1982	5

NISSAN (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
311	1189CC (1.2L) E1	1961-1964	4	Forklift	3298CC (3.3L) ED33 Diesel	1978-1990	17
312	1189CC (1.2L) E1	1961-1964	4	Frontier	2389CC (2.4L) KA24DE DOHC	1998-2004	14
410	1189CC (1.2L) E1	1963-1966	4	Frontier	3275CC (3.3L) VG33E SOHC	1999-2004	20
411	1299CC (1.3L) J13	1965-1969	4	Maxima	2393CC (2.4L) L24E SOHC	1982-1984	19
510	1595CC (1.6L) L16	1968-1973	6	Maxima	2793CC (2.8L) LD28 SOHC	1982-1983	18
510	1952CC (2.0L) L20B	1978-1979	9		Diesel		
510	1952CC (2.0L) Z20S	1980-1981	9	Maxima	2960CC (3.0L) VG30E SOHC	1984-1994	20
520	1299CC (1.3L) J13	1965-1968	4	Maxima	2960CC (3.0L) VE30DE DOHC	1992-1994	20
521	1299CC (1.3L) J13	1968-1969	4	Multi	1974CC (2.0L) CA20E	1984-1988	7
521	1595CC (1.6L) L16	1969-1972	6	NX	1597CC (1.6L) GA16DE	1991-1993	8
610	1770CC (1.8L) L18	1973	6	NX	1998CC (2.0L) SR20DE DOHC	1991-1993	11
610	1952CC (2.0L) L20B	1974-1976	9	Pathfinder	2389CC (2.4L) Z24/Z24i	1987-1989	9
620	1595CC (1.6L) L16	1972-1973	6	Pathfinder	2960CC (3.0L) VG30E SOHC	1990-1995	20
620	1770CC (1.8L) L18	1974	6	Pathfinder	3275CC (3.3L) VG33E SOHC	1996-2000	20
620	1952CC (2.0L) L20B	1975-1979	9	Patrol	3956CC (4.0L) P/PF	1960-1980	22
710	1770CC (1.8L) L18	1974	6	Patrol	3956CC (4.0L) P40/PF	1981-1990	22
710	1952CC (2.0L) L20B	1975-1977	9	Pulsar	1488CC (1.5L) E15T	1983-1984	5
720	1952CC (2.0L) L20B	1980	9	Pulsar	1597CC (1.6L) E16	1983-1986	5
720	1952CC (2.0L) Z20	1983-1985	9	Pulsar	1597CC (1.6L) E16/E16S	1987-1988	5
720	2164CC (2.2L) SD22 OHV Diesel	1981-1983	12	Pulsar	1597CC (1.6L) CA16DE	1987	7
				Pulsar	1597CC (1.6L) GA16i	1989-1990	8
720	2187CC (2.2L) Z22 SOHC	1981-1983	9	Pulsar	1809CC (1.8L) CA18DE	1988-1989	7
720	2389CC (2.4L) Z24/Z24i	1983-1986	9	Pulsar NX	1597CC (1.6L) E16	1983-1986	5
720	2488CC (2.5L) SD25 OHV Diesel	1983-1986	15	Pulsar NX	1597CC (1.6L) E16/E16S	1987-1988	5
				Pulsar NX	1597CC (1.6L) GA16i	1989-1990	8
810	2393CC (2.4L) L24E SOHC	1977-1981	19	Pulsar NX	1809CC (1.8L) CA18DE	1988-1989	7
810	2793CC (2.8L) LD28 SOHC Diesel	1981	18	Quest	2960CC (3.0L) VG30E SOHC	1993-1998	20
				Quest	3275CC (3.3L) VG33E SOHC	1999-2002	20
1200	1171CC (1.2L) A12	1970-1973	3	Sentra	1488CC (1.5L) E15/E15S	1982-1983	5
2000	1982CC (2.0L) U20	1968-1970	10	Sentra	1597CC (1.6L) E16	1983-1986	5
				Sentra	1597CC (1.6L) E16/E16S	1986-1988	5
	2289CC (2.3L) TD23 Diesel	1986-1990	13	Sentra	1597CC (1.6L) GA16i	1989-1990	8
	2663CC (2.7L) TD27 Diesel	1986-1990	16	Sentra	1597CC (1.6L) GA16DE	1991-1999	8
	3246CC (3.2L) SD33 Diesel	1966-1990	21	Sentra	1680CC (1.7L) CD17 Diesel	1983-1990	7
	3298CC (3.3L) FD33T Turbo Diesel	1983-1990	17	Sentra	1998CC (2.0L) SR20DE DOHC	1991-1994	11
				Stanza	1974CC (2.0L) CA20S	1982-1985	7
	3465CC (3.5L) FD35 Diesel	1986-1990	17	Stanza	1974CC (2.0L) CA20E	1984-1989	7
	3465CC (3.5L) FD35T Turbo Diesel	1986-1990	17	Stanza	2389CC (2.4L) KA24E SOHC	1990-1992	14
				Truck	3956CC (4.0L) P/PF	1960-1980	22
	6925CC (6.9L) FE6 Diesel	1980-1986	23	UD1800	6925CC (6.9L) FE6 Diesel	1989-1991	23
Altima	2389CC (2.4L) KA24DE DOHC	1993-2001	14	UD1800	6925CC (6.9L) FE6T Diesel	1989-1991	23
Axxess	2389CC (2.4L) KA24E SOHC	1989-1992	14	UD1800	6925CC (6.9L) FE6TA Diesel	1992-1998	23
B210	1171CC (1.2L) A12	1970-1973	3	UD2000	6925CC (6.9L) FE6 Diesel	1989-1991	23
B210	1288CC (1.3L) A13	1973-1974	3	UD2000	6925CC (6.9L) FE6T Diesel	1989-1991	23
B210	1397CC (1.4L) A14	1975-1978	3	UD2000	6925CC (6.9L) FE6TA Diesel	1992-1994	23
CLA83D	6925CC (6.9L) FE6 Diesel	1987-1988	23	UD2300	6925CC (6.9L) FE6T Diesel	1989-1991	23
CMA83E	6925CC (6.9L) FE6 Diesel	1987-1988	23	UD2300	6925CC (6.9L) FE6TA Diesel	1992-2004	23
Cabstar	3956CC (4.0L) P/PF	1960-1980	22	UD2600	6925CC (6.9L) FE6T Diesel	1989-1991	23
D21	2389CC (2.4L) Z24/Z24i	1986-1989	9	UD2600	6925CC (6.9L) FE6TA Diesel	1992-2004	23
D21	2389CC (2.4L) KA24E SOHC	1990-1997	14	UD2800	6925CC (6.9L) FE6T Diesel	1989-1991	23
D21	2960CC (3.0L) VG30E SOHC	1990-1996	20	UD2800	6925CC (6.9L) FE6TA Diesel	1992-1994	23
D21	2960CC (3.0L) VG30 SOHC	1986-1989	20	UD3000	6925CC (6.9L) FE6TA Diesel	1992-2000	23
F10	1397CC (1.4L) A14	1976-1978	3	Van	2389CC (2.4L) Z24/Z24i	1986-1989	9
Fire Engine	3956CC (4.0L) P40/PF	1981-1990	22	Xterra	2389CC (2.4L) KA24DE DOHC	2000-2004	14
Forklift	988CC (1.0L) A10		1	Xterra	3275CC (3.3L) VG33E SOHC	2000-2004	20
Forklift	1138CC (1.1L) D11	1966-1978	2				
Forklift	1982CC (2.0L) H20		10				
Forklift	2164CC (2.2L) SD22 OHV Diesel	1963-1983	12				

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1-0-2340	2.886in./73.3mm	6	003K	3.228in./82mm	5	6M	3.465in./88mm	8	09N	3.228in./82mm	5
1-1	3.386in./86mm	9	003N	3.228in./82mm	5	7HA	3.465in./88mm	8	10-1	3.071in./78mm	6
1.9	3.228in./82mm	5	3YA	3.780in./96mm	14	7HA-6303	3.465in./88mm	8	10-B	3.228in./82mm	5
2NABC	3.465in./88mm	5	4A	3.780in./96mm	14	8F28	3.622in./92mm	9	11M	3.228in./82mm	5
2NABC	3.780in./96mm	14	4AC	3.780in./96mm	14	8HA	3.622in./92mm	9	11M-14	3.228in./82mm	5
2Y68-76	3.465in./88mm	5	4AL	3.780in./96mm	14	8HA-6303	3.622in./92mm	9	17M	3.228in./82mm	5
2Y68-76	3.780in./96mm	14	6-H	3.465in./88mm	8	8MTH	3.622in./92mm	9	18-1	3.071in./78mm	4

NISSAN (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
30R	3.465in./88mm	5	86TM-BA	3.622in./92mm	9	3281N	3.465in./88mm	5	A87	3.071in./78mm	6
30R	3.780in./96mm	14	88TM-BA	3.622in./92mm	9	3281N	3.780in./96mm	14	A870	3.071in./78mm	6
31-87	3.465in./88mm	5	90-21-0	3.622in./92mm	9	4196N	3.780in./96mm	14	A874	3.071in./78mm	6
31-87	3.780in./96mm	14	90TM-AA	3.622in./92mm	9	7243N	3.465in./88mm	8	D1742	3.465in./88mm	7
31M	3.465in./88mm	5	90TM-AB	3.622in./92mm	9	9166N	3.622in./92mm	9	E3140	2.913in./74mm	19
31M	3.780in./96mm	14	91A-6303-A	3.622in./92mm	9	13111-03010-D	3.228in./82mm	5	E3141	2.913in./74mm	18
36-0	3.071in./78mm	4	91A-6303-B	3.622in./92mm	9	13241	3.071in./78mm	4	E3141	2.913in./74mm	19
40F	3.780in./96mm	14	91H-6303-B	3.622in./92mm	9	020201A1	3.228in./82mm	5	E3142	2.913in./74mm	18
41-74700	3.268in./83mm	10	91K	3.622in./92mm	9	23040	2.886in./73.3mm	6	E3142	2.913in./74mm	19
45-T	3.780in./96mm	14	91TM-AA	3.622in./92mm	9	25500	3.386in./86mm	9	F5	3.268in./83mm	20
70-2340	2.886in./73.3mm	6	140N	3.228in./82mm	5	32300	3.228in./82mm	3	H1040	2.756in./70mm	3
74TM	3.465in./88mm	8	176H	3.228in./82mm	5	90003C	3.622in./92mm	9	H6240	3.031in./77mm	3
76TM	3.465in./88mm	8	201-0-132	3.071in./78mm	4	329880N	3.465in./88mm	5	H8940	3.031in./77mm	3
77A	3.465in./88mm	8	407N	3.780in./96mm	14	329880N	3.780in./96mm	14	H9740	3.031in./77mm	3
78TM	3.465in./88mm	8	851M	3.622in./92mm	9	887652N	3.622in./92mm	9	OWG	3.622in./92mm	9
78TM-CA	3.465in./88mm	8	1174N	3.228in./82mm	5	1802224C92	3.228in./82mm	5	P3040	3.110in./79mm	18
81-K	3.465in./88mm	8	2340	2.886in./73.3mm	6	1802224C93	3.228in./82mm	5	U6040	3.071in./78mm	6
82TM	3.622in./92mm	9	3141	2.913in./74mm	18	1803420C1	3.228in./82mm	5	U6040	3.386in./86mm	9
82TM-HAA	3.622in./92mm	9	3141	2.913in./74mm	19	1805420C1	3.228in./82mm	5	VG30	3.268in./83mm	20

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1 988CC (1.0L) A10 4 Cyl (1965-1971)

2.874in./73mm x 2.323in./59mm

1

Rod Bearing(4)	TM-1	CB-980P	STD,.25mm,.50mm,.75mm,1.00mm	1.7701/1.7706	0.0009/0.0024	0.0594	1.8898/1.8902	0.7720
Cam Bearing Set	B-1	SH-767S	STD					
1		SH-767		1.7237/1.7242	0.0014/0.0045	0.0624	1.8504/1.8514	0.9350
2		SH-768		1.7041/1.7046	0.0013/0.0044	0.0624	1.8307/1.8317	0.5610
3		SH-769		1.6844/1.6849	0.0013/0.0044	0.0624	1.8110/1.8120	0.5610
4		SH-770		1.6647/1.6652	0.0013/0.0044	0.0624	1.7913/1.7923	0.5610
5		SH-771		1.6224/1.6229	0.0013/0.0044	0.0624	1.7490/1.7500	0.5610

Connecting Rod 23 To 27 Lbs.Ft.

Main Bearing 36 To 43 Lbs.Ft.

2 1138CC (1.1L) D11 4 Cyl (1966-1978)

2.874in./73mm x 2.677in./68mm

2

Rod Bearing(4)	TM-1	CB-1122P	STD,.25mm,.50mm,.75mm	1.7306/1.7311	0.0008/0.0026	0.0594	1.8505/1.8510	0.9840
Main Bearing Set	TM-1	MS-1327P	STD,.25mm,.50mm					
1-3		MB-1246P		2.0589/2.0594	0.0008/0.0031	0.0722	2.2054/2.2059	1.1810
2		MB-1247P		2.0589/2.0594	0.0008/0.0031	0.0722	2.2054/2.0259	1.3390
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-105S								
Thrust Washer Set		TW-105S	STD					
		MB-1730WA		2.2150/2.2800			2.7380/2.7500	0.0930
		MB-1730WB		2.2150/2.2250			2.7400/2.7500	0.0930
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-1327P								

Connecting Rod 24 To 25 Lbs.Ft.

Main Bearing 76 To 80 Lbs.Ft.

3 1171CC (1.2L) A12 4 Cyl (1971-1973)
1237CC (1.2L) A12A 4 Cyl (1980-1982)
1288CC (1.3L) A13 4 Cyl (1973-1974)
1397CC (1.4L) A14 4 Cyl (1975-1982)
1488CC (1.5L) A15 4 Cyl (1979-1982)

2.874in./73mm x 2.756in./70mm
2.953in./75mm x 2.756in./70mm
2.874in./73mm x 3.031in./77mm
2.992in./76mm x 3.031in./77mm
2.992in./76mm x 3.228in./82mm

3

Rod Bearing(4)	TM-1	CB-980P	STD,.25mm,.50mm,.75mm,1.00mm	1.7701/1.7706	0.0009/0.0024	0.0594	1.8898/1.8902	0.7720
Main Bearing Set	TM-1	MS-1107P	STD,.25mm,.50mm,.75mm					
1-5		MB-634P		1.9666/1.9671	0.0008/0.0032	0.0722	2.1120/2.1129	0.8710
2-4		MB-635P		1.9666/1.9671	0.0008/0.0032	0.0722	2.1120/2.1129	0.7130
3		MB-636P(F)		1.9666/1.9671	0.0008/0.0032	0.0722	2.1120/2.1129	1.0610

NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm And 1.00mm Undersize Sets Contains .25mm Oversize Length Flanged Bearing

NISSAN (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
3 (Cont.)	1171CC (1.2L) A12 4 Cyl (1971-1973)			2.874in./73mm x 2.756in./70mm				3 (Cont.)
	1237CC (1.2L) A12A 4 Cyl (1980-1982)			2.953in./75mm x 2.756in./70mm				
	1288CC (1.3L) A13 4 Cyl (1973-1974)			2.874in./73mm x 3.031in./77mm				
	1397CC (1.4L) A14 4 Cyl (1975-1982)			2.992in./76mm x 3.031in./77mm				
	1488CC (1.5L) A15 4 Cyl (1979-1982)			2.992in./76mm x 3.228in./82mm				
Cam Bearing Set	B-1	SH-767S	STD					
1		SH-767		1.7237/1.7242	0.0014/0.0045	0.0624	1.8504/1.8514	0.9350
2		SH-768		1.7041/1.7046	0.0013/0.0044	0.0624	1.8307/1.8317	0.5610
3		SH-769		1.6844/1.6849	0.0013/0.0044	0.0624	1.8110/1.8120	0.5610
4		SH-770		1.6647/1.6652	0.0013/0.0044	0.0624	1.7913/1.7923	0.5610
5		SH-771		1.6224/1.6229	0.0013/0.0044	0.0624	1.7490/1.7500	0.5610
C/S Forging 32300, H1040, H6240, H8940, H9740								
Connecting Rod	23 To 27 Lbs.Ft.							
Main Bearing	36 To 43 Lbs.Ft.							
4	1189CC (1.2L) E1 4 Cyl (1961-1966)			2.874in./73mm x 2.795in./71mm				4
	1299CC (1.3L) J13 4 Cyl (1965-1972)			2.874in./73mm x 3.071in./78mm				
Rod Bearing(4)	TM-1	CB-967P	STD, .25mm, .50mm, .75mm, 1.00mm	1.8756/1.8761	0.0009/0.0029	0.0722	2.0210/2.0215	0.8660
Main Bearing Set	C-1	MS-1055G	STD, .25mm, .50mm, .75mm					
1-2-3		MB-602G		2.0005/2.0010	0.0005/0.0021	0.0722	2.1460/2.1465	1.2240
NOTE: 1961-1969, Requires Thrust Washer Set, Not Included, Use With Part Number TW-105S								
Main Bearing Set	TM-1	MS-1329P	STD, .25mm, .50mm, .75mm, 1.00mm					
1-2-3		MB-1269P		2.0005/2.0010	0.0008/0.0028	0.0722	2.1460/2.1465	1.1070
NOTE: 1970-1972, Requires Thrust Washer Set, Not Included, Use With Part Number TW-105S								
Thrust Washer Set		TW-105S	STD					
		MB-1730WA		2.2150/2.2800			2.7380/2.7500	0.0930
		MB-1730WB		2.2150/2.2250			2.7400/2.7500	0.0930
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Numbers MS-1055G, MS-1329P								
Cam Bearing Set	B-1	SH-764S	STD					
1		SH-764		1.7886/1.7890	0.0012/0.0042	0.0624	1.9150/1.9160	1.4920
2		SH-765		1.7282/1.7287	0.0015/0.0046	0.0624	1.8550/1.8560	0.8760
3		SH-766		1.6228/1.6232	0.0010/0.0040	0.0624	1.7490/1.7500	0.8210
C/S Forging 18-1, 36-0, 13241, 201-0-132								
Connecting Rod	22 To 25 Lbs.Ft.							
Main Bearing	75 To 80 Lbs.Ft.							
5	1488CC (1.5L) E15/E15S 4 Cyl (1982-1983)			2.992in./76mm x 3.228in./82mm				5
	1488CC (1.5L) E15T Turbocharged 4 Cyl (1983-1984)			2.992in./76mm x 3.228in./82mm				
	1597CC (1.6L) E16 4 Cyl (1983-1986)			2.992in./76mm x 3.465in./88mm				
	1597CC (1.6L) E16I/E16S 4 Cyl (1986-1988)			2.992in./76mm x 3.465in./88mm				
Rod Bearing(4)	TM-77	CB-1590P	STD, .25mm, .50mm	1.5731/1.5738	0.0004/0.0024	0.0594	1.6929/1.6934	0.6690
Main Bearing Set	TM-1	MS-2072P	STD, .25mm, .50mm					
1-5		MB-2931P		1.9661/1.9673	0.0007/0.0038	0.0720	2.1119/2.1129	0.8720
2-4		MB-2932P		1.9661/1.9673	0.0007/0.0038	0.0720	2.1119/2.1129	0.7090
3		MB-3568P(F)		1.9661/1.9673	0.0007/0.0038	0.0720	2.1119/2.1129	1.0610
NOTE: All Sizes Contain Standard Length Flanged Bearing								
C/S Forging 09N, 1.9, 11M, 17M, 30R, 31M, 003K, 003N, 10-B, 140N, 176H, 1174N, 2NABC, 31-87, 3281N, 11M-14, 2Y68-76, 329880N, 020201A1, 1803420C1, 1805420C1, 1802224C92, 1802224C93, 13111-03010-D								
Connecting Rod	23 To 27 Lbs.Ft.							
Main Bearing	36 To 43 Lbs.Ft.							
6	1595CC (1.6L) L16 4 Cyl (1968-1973)			3.268in./83mm x 2.886in./73.3mm				6
	1770CC (1.8L) L18 4 Cyl (1973-1974)			3.346in./85mm x 3.071in./78mm				
Rod Bearing(4)	TM-1	CB-966P	STD, .25mm, .50mm, .75mm, 1.00mm	1.9670/1.9675	0.0006/0.0026	0.0593	2.0866/2.0871	0.8660
Main Bearing Set	TM-1	MS-1054P	STD, .25mm, .50mm, .75mm					
1		MB-606P		2.1631/2.1636	0.0012/0.0032	0.0722	2.3089/2.3094	1.0280
2-4		MB-607P		2.1631/2.1636	0.0012/0.0032	0.0722	2.3089/2.3094	0.9490
3		MB-608P(F)		2.1631/2.1636	0.0008/0.0028	0.0724	2.3089/2.3094	1.2580
5		MB-609P		2.1631/2.1636	0.0012/0.0032	0.0722	2.3089/2.3094	1.0280
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing, .75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing								

NISSAN (Cont.)

NISSAN (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
6 (Cont.)	1595CC (1.6L) L16 4 Cyl (1968-1973)			3.268in./83mm x 2.886in./73.3mm				6
	1770CC (1.8L) L18 4 Cyl (1973-1974)			3.346in./85mm x 3.071in./78mm				(Cont.)
Main Bearing Set	TM-1	MS-2078P-.25mm	.50mm					
1		MB-606P		2.1631/2.1636	0.0012/0.0032	0.0722	2.3089/2.3094	1.0280
2-4		MB-607P		2.1631/2.1636	0.0012/0.0032	0.0722	2.3089/2.3094	0.9490
3		MB-3574P(F)		2.1631/2.1636	0.0008/0.0028	0.0724	2.3089/2.3094	1.2580
5		MB-609P		2.1631/2.1636	0.0012/0.0032	0.0722	2.3089/2.3094	1.0280
NOTE: All Sizes Contain Standard Length Flanged Bearing								
C/S Forging	A87, 10-1, 2340, A870, A874, 23040, U6040, 70-2340, 1-0-2340							
Connecting Rod	23 To 27 Lbs.Ft. (1595CC (1.6L) L16)							
Connecting Rod	33 To 40 Lbs.Ft. (1770CC (1.8L) L18)							
Main Bearing	33 To 40 Lbs.Ft.							
7	1597CC (1.6L) CA16DE 4 Cyl (1987)			3.071in./78mm x 3.307in./84mm				7
	1680CC (1.7L) CD17 Diesel 4 Cyl (1983-1986)			3.150in./80mm x 3.307in./84mm				
	1809CC (1.8L) CA18DE 4 Cyl (1988-1989)			3.268in./83mm x 3.307in./84mm				
	1809CC (1.8L) CA18ET Turbo Turbocharged 4 Cyl (1984-1987)			3.268in./83mm x 3.307in./84mm				
	1974CC (2.0L) CA20E 4 Cyl (1984-1989)			3.327in./84.5mm x 3.465in./88mm				
	1974CC (2.0L) CA20S 4 Cyl (1982-1983)			3.327in./84.5mm x 3.465in./88mm				
Rod Bearing(4)	TM-77	CB-1287P	STD.,.25mm,.50mm,.75mm	1.7701/1.7706	0.0009/0.0031	0.0594	1.8898/1.8902	0.7340
Main Bearing Set	TM-77	MS-1565P	STD.,.25mm,.50mm,.75mm					
1-2-4-5		MB-2879P		2.0848/2.0853	0.0006/0.0034	0.0722	2.2300/2.2310	0.8720
3		MB-2880P(F)		2.0848/2.0853	0.0006/0.0034	0.0722	2.2300/2.2310	1.0990
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm And 1.00mm Undersize Sets Contains .25mm Oversize Length Flanged Bearing								
Main Bearing Set	TM-1	MS-2073P-.25mm	.50mm					
1-2-4-5		MB-2879P		2.0848/2.0853	0.0006/0.0034	0.0722	2.2300/2.2310	0.8720
3		MB-3569P(F)		2.0848/2.0853	0.0006/0.0034	0.0722	2.2300/2.2310	1.0990
NOTE: All Sizes Contain Standard Length Flanged Bearing								
C/S Forging	D1742							
Connecting Rod	27 To 40 Lbs.Ft.							
Main Bearing	33 To 40 Lbs.Ft.							
8	1597CC (1.6L) GA16DE 4 Cyl (1991-1998)			2.992in./76mm x 3.465in./88mm				8
	1597CC (1.6L) GA16I 4 Cyl (1989-1990)			2.992in./76mm x 3.465in./88mm				
Rod Bearing(4)	TM-77	CB-1590P	STD.,.25mm,.50mm	1.5731/1.5738	0.0004/0.0024	0.0594	1.6929/1.6934	0.6690
Main Bearing Set	AL-3	MS-1950P	STD.,.25mm,.50mm					
1-2-3-4-5		MB-3343P		1.9667/1.9671	0.0008/0.0037	0.0720	2.1119/2.1129	0.6690
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-551S								
Thrust Washer Set		TW-551S	STD					
		MB-3343W		2.2057			2.7953	0.0780
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1950P								
C/S Forging	6M, 6-H, 77A, 7HA, 74TM, 76TM, 78TM, 81-K, 7243N, 78TM-CA, 7HA-6303							
Connecting Rod	23 To 27 Lbs.Ft.							
Main Bearing	34 To 38 Lbs.Ft.							
9	1952CC (2.0L) L20B 4 Cyl (1974-1980)			3.346in./85mm x 3.386in./86mm				9
	1952CC (2.0L) Z20 4 Cyl (1983-1985)			3.346in./85mm x 3.386in./86mm				
	1952CC (2.0L) Z20E,Z20S 4 Cyl (1980-1981)			3.346in./85mm x 3.386in./86mm				
	2187CC (2.2L) Z22 SOHC 4 Cyl (1981-1983)			3.425in./87mm x 3.622in./92mm				
	2187CC (2.2L) Z22E SOHC 4 Cyl (1982-1983)			3.425in./87mm x 3.622in./92mm				
	2389CC (2.4L) Z24/Z24i 4 Cyl (1983-1989)			3.504in./89mm x 3.780in./96mm				
Rod Bearing(4)	TM-1	CB-966P	STD.,.25mm,.50mm,.75mm,1.00mm	1.9670/1.9675	0.0006/0.0026	0.0593	2.0866/2.0871	0.8660
Main Bearing Set	TM-1	MS-2042P	STD.,.25mm,.50mm,.75mm					
1		MB-2885P		2.3599/2.3604	0.0007/0.0024	0.0722	2.5057/2.5062	1.0240
2-3		MB-2886P		2.3599/2.3604	0.0007/0.0024	0.0722	2.5057/2.5062	0.9450
3		MB-3519P(F)		2.3599/2.3604	0.0007/0.0024	0.0722	2.5057/2.5062	1.2580
5		MB-2888P		2.3599/2.3604	0.0007/0.0024	0.0722	2.5057/2.5062	1.0240
NOTE: All Sizes Contain Standard Length Flanged Bearing								
C/S Forging	1-1, 8HA, 91K, OWG, 82TM, 851M, 8F28, 8MTH, 25500, 9166N, U6040, 90003C, 86TM-BA, 887652N, 88TM-BA, 90-21-0, 90TM-AA, 90TM-AB, 91TM-AA, 82TM-HAA, 8HA-6303, 91A-6303-A, 91A-6303-B, 91H-6303-B							

NISSAN (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
9 (Cont.)	1952CC (2.0L) L20B 4 Cyl (1974-1980)			3.346in./85mm x 3.386in./86mm				9 (Cont.)
	1952CC (2.0L) Z20 4 Cyl (1983-1985)			3.346in./85mm x 3.386in./86mm				
	1952CC (2.0L) Z20E,Z20S 4 Cyl (1980-1981)			3.346in./85mm x 3.386in./86mm				
	2187CC (2.2L) Z22 SOHC 4 Cyl (1981-1983)			3.425in./87mm x 3.622in./92mm				
	2187CC (2.2L) Z22E SOHC 4 Cyl (1982-1983)			3.425in./87mm x 3.622in./92mm				
	2389CC (2.4L) Z24/Z24i 4 Cyl (1983-1989)			3.504in./89mm x 3.780in./96mm				
Connecting Rod 33 To 40 Lbs.Ft. (1952CC (2.0L) L20B,1952CC (2.0L) Z20,1952CC (2.0L) Z20E,2187CC (2.2L) Z22 SOHC,2187CC (2.2L) Z22E SOHC)								
Connecting Rod 33 To 40 Lbs.Ft. (Thru Engine Serial Number 829143)								
Main Bearing 33 To 40 Lbs.Ft.								
10	1982CC (2.0L) H20 4 Cyl (1967-1992)			3.433in./87.2mm x 3.268in./83mm				10
	1982CC (2.0L) U20 4 Cyl (1968-1970)			3.433in./87.2mm x 3.268in./83mm				
Rod Bearing(4)	TM-1	CB-981P	STD,.25mm,.50mm,.75mm,1.00mm	2.0457/2.0462	0.0011/0.0031	0.0593	2.1654/2.1659	0.9490
Main Bearing Set 1-5	TM-1	MS-1108P	STD,.25mm,.50mm,.75mm	2.4780/2.4785	0.0012/0.0032	0.0722	2.6238/2.6243	1.1060
2-4		MB-637P		2.4780/2.4785	0.0012/0.0032	0.0722	2.6238/2.6243	0.8700
3		MB-638P		2.4780/2.4785	0.0012/0.0032	0.0722	2.6238/2.6243	0.8700
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing								
Main Bearing Set 1-5	TM-1	MS-2079P-.25mm	.50mm	2.4780/2.4785	0.0012/0.0032	0.0722	2.6238/2.6243	1.1060
2-4		MB-637P		2.4780/2.4785	0.0012/0.0032	0.0722	2.6238/2.6243	0.8700
3		MB-638P						
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-772S	STD	1.7887/1.7892	0.0010/0.0040	0.0624	1.9150/1.9160	0.5610
2		SH-772		1.7282/1.7287	0.0015/0.0046	0.0624	1.8550/1.8560	0.8760
3		SH-765		1.6228/1.6233	0.0009/0.0040	0.0624	1.7490/1.7500	0.9550
C/S Forging 41-74700								
Connecting Rod 65 Lbs.Ft.								
Main Bearing 65 Lbs.Ft.								
11	1998CC (2.0L) SR20DE DOHC 4 Cyl (1991-1998)			3.386in./86mm x 3.386in./86mm				11
Rod Bearing(4)	TM-1	CB-1629P	STD,.25mm	1.8880/1.8890	0.0008/0.0018	0.0595	2.0079/2.0084	0.6690
Main Bearing Set 1-2-3-4-5	TM-1	MS-2015P	STD,.25mm	2.1636/2.1646	0.0005/0.0022	0.0779	2.3206/2.3216	0.7480
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-590S								
Thrust Washer Set		TW-590S	STD	2.4314			3.2878	0.0770
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-2015P								
Connecting Rod Step A 10 To 12 Lbs.Ft.; Step B 28 To 33 Lbs.Ft.								
Main Bearing Step A 24 To 28 Lbs.Ft.; Step B 54 To 61 Lbs.Ft.								
12	2164CC (2.2L) SD22 OHV Diesel 4 Cyl (1963-1983)			3.268in./83mm x 3.937in./100mm				12
Rod Bearing(4)	TM-1	CB-988P	STD,.25mm,.50mm,.75mm	2.0832/2.0837	0.0014/0.0034	0.0590	2.2042/2.2047	1.0230
Main Bearing Set 1-2-3	TM-1	MS-1118P	STD,.25mm	2.7916/2.7921	0.0014/0.0034	0.0790	2.9520/2.9528	1.2650
NOTE: 1963-1980, Requires Thrust Washer Set, Not Included, Use With Part Number TW-230S								
Main Bearing Set 1-2-3-4-5	TM-1	MS-1711P	STD,.25mm	2.7916/2.7921	0.0014/0.0034	0.0790	2.9520/2.9528	1.0240
NOTE: 1981-1983, Requires Thrust Washer Set, Not Included, Use With Part Number TW-230S								
Thrust Washer Set		TW-230S	STD	3.0950/3.1050			3.6830/3.6930	0.0910
				3.0950/3.1050			3.6830/3.6930	0.0910
NOTE: 1981-1983;1963-1980, Contains 4 Pieces, Position Number 2, Use With Part Number MS-1118P								
Cam Bearing Set 1	B-1	SH-772S	STD	1.7887/1.7892	0.0010/0.0040	0.0624	1.9150/1.9160	0.5610
2		SH-772		1.7282/1.7287	0.0015/0.0046	0.0624	1.8550/1.8560	0.8760
3		SH-765		1.6228/1.6233	0.0009/0.0040	0.0624	1.7490/1.7500	0.9550

NISSAN (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
12 (Cont.)	2164CC (2.2L) SD22 OHV Diesel 4 Cyl (1963-1983)			3.268in./83mm x 3.937in./100mm				12 (Cont.)
Piston Pin Bushing(4) NOTE: 1981-1983	B	223-3617	STD			0.0604	1.1417/1.1419	1.2600
Piston Pin Bushing(4) NOTE: 1963-1980	B-1	223-3638	STD			0.0600	1.1417/1.1427	1.1811
Connecting Rod	36 To 40 Lbs.Ft.							
Connecting Rod	37 Lbs.Ft. (1963-1980,)							
Main Bearing	108 To 116 Lbs.Ft. (1981-1983,)							
Main Bearing	123 To 127 Lbs.Ft. (1963-1980,)							
13	2289CC (2.3L) TD23 Diesel 4 Cyl (1986-1990)			3.504in./89mm x 3.622in./92mm				13
Main Bearing Set NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-230S	TM-1	MS-1808P-.25mm						
Thrust Washer Set		TW-230S	STD					
		MB-648W(L)		3.0950/3.1050			3.6830/3.6930	0.0910
		MB-648W(U)		3.0950/3.1050			3.6830/3.6930	0.0910
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1808P								
Cam Bearing Set	B-1	SH-1470S	STD					
1		SH-1470		1.9967/1.9976	0.0008/0.0043	0.0599	2.1193	0.8070
2		SH-1471		1.9890/1.9898	0.0008/0.0043	0.0599	2.1114	0.8660
3		SH-1472		1.9811/1.9819	0.0008/0.0043	0.0599	2.1035	0.8660
4		SH-1473		1.9732/1.9740	0.0008/0.0043	0.0599	2.0957	0.8660
5		SH-1474		1.9653/1.9661	0.0008/0.0043	0.0599	2.0878	0.8660
Main Bearing	123 To 130 Lbs.Ft. (1963-1980,)							
14	2389CC (2.4L) KA24DE DOHC 4 Cyl (1991-2002)			3.504in./89mm x 3.780in./96mm				14
	2389CC (2.4L) KA24E SOHC 4 Cyl (1989-1997)			3.504in./89mm x 3.780in./96mm				
Rod Bearing(4)	TM-1	CB-1589P	STD,.25mm,.50mm	1.9670/1.9675	0.0004/0.0024	0.0594	2.0866/2.0871	0.7870
Main Bearing Set	TM-1	MS-1949P	STD,.25mm,.50mm					
1-2-4-5		MB-3341P		2.3606/2.3615	0.0005/0.0038	0.0722	2.5063/2.5068	0.7480
3		MB-3342P(F)		2.3606/2.3615	0.0005/0.0038	0.0722	2.5063/2.5068	1.0610
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing								
Main Bearing Set	TM-1	MS-2080P-.25mm	.50mm					
1-2-4-5		MB-3341P		2.3606/2.3615	0.0005/0.0038	0.0722	2.5063/2.5068	0.7480
3		MB-3576P(F)		2.3606/2.3615	0.0005/0.0038	0.0722	2.5063/2.5068	1.0610
NOTE: All Sizes Contain Standard Length Flanged Bearing								
C/S Forging	4A, 30R, 31M, 3YA, 40F, 4AC, 4AL, 407N, 45-T, 2NABC, 31-87, 3281N, 4196N, 2Y68-76, 329880N							
Connecting Rod	Step A 12 Lbs.Ft.; Step B 33 Lbs.Ft. (1963-1980,)							
Main Bearing	38 Lbs.Ft.							
15	2488CC (2.5L) SD25 OHV Diesel 4 Cyl (1983-1986)			3.504in./89mm x 3.937in./100mm				15
Rod Bearing(4)	TM-1	CB-988P	STD,.25mm,.50mm,.75mm	2.0832/2.0837	0.0014/0.0034	0.0590	2.2042/2.2047	1.0230
Main Bearing Set	TM-1	MS-1711P	STD,.25mm					
1-2-3-4-5		MB-3116P		2.7916/2.7921	0.0014/0.0034	0.0790	2.9520/2.9528	1.0240
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-230S								
Thrust Washer Set		TW-230S	STD					
		MB-648W(L)		3.0950/3.1050			3.6830/3.6930	0.0910
		MB-648W(U)		3.0950/3.1050			3.6830/3.6930	0.0910
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1711P								
Cam Bearing Set	B-1	SH-772S	STD					
1		SH-772		1.7887/1.7892	0.0010/0.0040	0.0624	1.9150/1.9160	0.5610
2		SH-765		1.7282/1.7287	0.0015/0.0046	0.0624	1.8550/1.8560	0.8760
3		SH-774		1.6228/1.6233	0.0009/0.0040	0.0624	1.7490/1.7500	0.9550
Piston Pin Bushing(4)	B	223-3617	STD			0.0604	1.1417/1.1419	1.2600
Connecting Rod	36 To 40 Lbs.Ft.							
Main Bearing	108 To 116 Lbs.Ft.							
16	2663CC (2.7L) TD27 Diesel 4 Cyl (1986-1990)			3.780in./96mm x 3.622in./92mm				16
Rod Bearing(4)	TM-1	CB-1463P	STD,.25mm,.50mm	2.2402/2.2412	0.0012/0.0031	0.0596	2.3612/2.3622	1.0240

NISSAN (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
16 (Cont.)	2663CC (2.7L) TD27 Diesel 4 Cyl (1986-1990)			3.780in./96mm x 3.622in./92mm				16 (Cont.)
Main Bearing Set TM-1 MS-1808P-.25mm NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-230S								
Thrust Washer Set TW-230S STD MB-648W(L) MB-648W(U)				3.0950/3.1050 3.0950/3.1050			3.6830/3.6930 3.6830/3.6930	0.0910 0.0910
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1808P								
Cam Bearing Set B-1 SH-1470S STD 1 SH-1470 2 SH-1471 3 SH-1472 4 SH-1473 5 SH-1474				1.9967/1.9976 1.9890/1.9898 1.9811/1.9819 1.9732/1.9740 1.9653/1.9661	0.0008/0.0043 0.0008/0.0043 0.0008/0.0043 0.0008/0.0043 0.0008/0.0043	0.0599 0.0599 0.0599 0.0599 0.0599	2.1193 2.1114 2.1035 2.0957 2.0878	0.8070 0.8660 0.8660 0.8660 0.8660
Connecting Rod 58 To 61 Lbs.Ft. Main Bearing 123 To 130 Lbs.Ft.								
17	3298CC (3.3L) ED33 Diesel 4 Cyl (1978-1990) 3298CC (3.3L) FD33T Turbo Turbocharged Diesel 4 Cyl (1983-1990) 3465CC (3.5L) FD35 Diesel 4 Cyl (1986-1990) 3465CC (3.5L) FD35T Turbo Turbocharged Diesel 4 Cyl (1986-1990)			3.937in./100mm x 4.134in./105mm 3.937in./100mm x 4.134in./105mm 4.035in./102.5mm x 4.134in./105mm 4.035in./102.5mm x 4.134in./105mm				17
Rod Bearing(4) TM-1 CB-1246P STD,.25mm,.50mm,.75mm NOTE: 3298CC (3.3L) ED33 (1986;1978-1985),3298CC (3.3L) FD33T Turbo (1983-1985;1986),3465CC (3.5L) FD35 (1986),3465CC (3.5L) FD35T Turbo (1986), Thru 5/86				2.4378/2.4388	0.0015/0.0041	0.0787	2.5976/2.5984	1.2600
Main Bearing Set TM-1 MS-1735P STD,.25mm,.50mm 1-2-3-4-5 MB-3179P NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-358S				2.9890/2.9898	0.0020/0.0046	0.0785	3.1488/3.1496	1.1020
Thrust Washer Set TW-358S STD MB-2820W(L) MB-2820W(U)				3.3858 3.3858			4.0079 4.0079	0.1180 0.1180
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1735P								
Connecting Rod 83 To 87 Lbs.Ft. Main Bearing 123 To 127 Lbs.Ft.								
6 CYL								
18	2393CC (2.4L) L24 SOHC 6 Cyl (1970-1973) 2565CC (2.6L) L26 6 Cyl (1974) 2753CC (2.8L) L28E SOHC 6 Cyl (1975-1983) 2753CC (2.8L) L28ET SOHC Turbo Turbocharged 6 Cyl (1981-1983) 2793CC (2.8L) LD28 SOHC Diesel 6 Cyl (1981-1983)			3.268in./83mm x 2.913in./74mm 3.268in./83mm x 3.110in./79mm 3.386in./86mm x 3.110in./79mm 3.386in./86mm x 3.110in./79mm 3.327in./84.5mm x 3.268in./83mm				18
Rod Bearing(6) TM-1 CB-966P STD,.25mm,.50mm,.75mm,1.00mm				1.9670/1.9675	0.0006/0.0026	0.0593	2.0866/2.0871	0.8660
Main Bearing Set TM-1 MS-1106P STD,.25mm,.50mm,.75mm 1-7 MB-631P 2-3-5-6 MB-632P 4 MB-633P(F) NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing				2.1631/2.1636 2.1631/2.1636 2.1631/2.1636	0.0012/0.0032 0.0012/0.0032 0.0008/0.0032	0.0722 0.0722 0.0724	2.3089/2.3094 2.3089/2.3094 2.3089/2.3094	1.0280 0.9490 1.2580
Main Bearing Set TM-1 MS-2081P-.25mm .50mm 1-7 MB-631P 2-3-5-6 MB-632P 4 MB-3577P(F) NOTE: All Sizes Contain Standard Length Flanged Bearing				2.1631/2.1636 2.1631/2.1636 2.1631/2.1636	0.0012/0.0032 0.0012/0.0032 0.0008/0.0032	0.0722 0.0722 0.0724	2.3089/2.3094 2.3089/2.3094 2.3089/2.3094	1.0280 0.9490 1.2580
C/S Forging 3141, E3141, E3142, P3040								
Connecting Rod 38 Lbs.Ft.								
19	2393CC (2.4L) L24E SOHC 6 Cyl (1977-1984)			3.268in./83mm x 2.913in./74mm				19
Rod Bearing(6) TM-1 CB-966P STD,.25mm,.50mm,.75mm,1.00mm NOTE: Thru 6/82				1.9670/1.9675	0.0006/0.0026	0.0593	2.0866/2.0871	0.8660
Rod Bearing(6) TM-1 CB-1287P STD,.25mm,.50mm,.75mm NOTE: From 6/82				1.7701/1.7706	0.0009/0.0031	0.0594	1.8898/1.8902	0.7340

NISSAN (Cont.)

COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
19 (Cont.)	2393CC (2.4L) L24E SOHC 6 Cyl (1977-1984)				3.268in./83mm x 2.913in./74mm				19 (Cont.)
Main Bearing Set		MS-1106P	STD, .25mm, .50mm, .75mm						
1-7		MB-631P		2.1631/2.1636	0.0012/0.0032	0.0722	2.3089/2.3094	1.0280	
2-3-5-6		MB-632P		2.1631/2.1636	0.0012/0.0032	0.0722	2.3089/2.3094	0.9490	
4		MB-633P(F)		2.1631/2.1636	0.0008/0.0032	0.0724	2.3089/2.3094	1.2580	
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing, .75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing									
Main Bearing Set	TM-1	MS-2081P-.25mm	.50mm						
1-7		MB-631P		2.1631/2.1636	0.0012/0.0032	0.0722	2.3089/2.3094	1.0280	
2-3-5-6		MB-632P		2.1631/2.1636	0.0012/0.0032	0.0722	2.3089/2.3094	0.9490	
4		MB-3577P(F)		2.1631/2.1636	0.0008/0.0032	0.0724	2.3089/2.3094	1.2580	
NOTE: All Sizes Contain Standard Length Flanged Bearing									
C/S Forging 3141, E3140, E3141, E3142									
Connecting Rod 38 Lbs.Ft.									
20	2960CC (3.0L) VE30DE DOHC V6 Cyl (1992-1994)				3.425in./87mm x 3.268in./83mm				20
	2960CC (3.0L) VG30 SOHC V6 Cyl (1984-1989)				3.425in./87mm x 3.268in./83mm				
	2960CC (3.0L) VG30DE DOHC V6 Cyl (1990-1996)				3.425in./87mm x 3.268in./83mm				
	2960CC (3.0L) VG30DETT DOHC Twin Turbo Turbocharged V6 Cyl (1990-1996)				3.425in./87mm x 3.268in./83mm				
	2960CC (3.0L) VG30E SOHC V6 Cyl (1984-1998)				3.425in./87mm x 3.268in./83mm				
	2960CC (3.0L) VG30T SOHC Turbo Turbocharged V6 Cyl (1984-1989)				3.425in./87mm x 3.268in./83mm				
	3275CC (3.3L) VG33E SOHC V6 Cyl (1996-2000)				3.602in./91.5mm x 3.268in./83mm				
Rod Bearing(6)	TM-1	CB-1591P	STD, .25mm, .50mm	1.9669/1.9675	0.0006/0.0024	0.0594	2.0866/2.0871	0.6690	
Main Bearing Set	TM-1	MS-1951P	STD, .25mm, .50mm						
1		MB-3344P		2.4784/2.4793	0.0004/0.0034	0.0720	2.6238/2.6249	0.8860	
2-3		MB-3345P		2.4784/2.4793	0.0004/0.0034	0.0720	2.6238/2.6249	0.7480	
4		MB-3346P(F)		2.4784/2.4793	0.0004/0.0034	0.0720	2.6238/2.6249	1.1340	
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing									
Main Bearing Set	TM-1	MS-2074P-.25mm	.50mm						
1		MB-2995P		2.4784/2.4793	0.0011/0.0039	0.0720	2.6238/2.6243	0.8910	
2-3		MB-2996P		2.4784/2.4793	0.0011/0.0039	0.0720	2.6238/2.6243	0.7530	
4		MB-3570P(F)		2.4784/2.4793	0.0011/0.0039	0.0720	2.6238/2.6243	1.1360	
NOTE: All Sizes Contain Standard Length Flanged Bearing									
C/S Forging F5, VG30									
Connecting Rod 33 To 40 Lbs.Ft. (2960CC (3.0L) VG30 SOHC, 2960CC (3.0L) VG30E SOHC, 2960CC (3.0L) VG30T SOHC Turbo, 3275CC (3.3L) VG33E SOHC)									
Connecting Rod 43 To 48 Lbs.Ft. (2960CC (3.0L) VE30DE DOHC, 2960CC (3.0L) VG30DE DOHC, 2960CC (3.0L) VG30DETT DOHC Twin Turbo)									
Main Bearing 67 To 74 Lbs.Ft.									
21	3246CC (3.2L) SD33 Diesel 6 Cyl (1966-1990)				3.268in./83mm x 3.937in./100mm				21
Rod Bearing(6)	TM-1	CB-988P	STD, .25mm, .50mm, .75mm	2.0832/2.0837	0.0014/0.0034	0.0590	2.2042/2.2047	1.0230	
Main Bearing Set	TM-1	MS-1332P	STD, .25mm						
1-2-3-4		MB-642P		2.7916/2.7921	0.0014/0.0034	0.0790	2.9520/2.9528	1.2650	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-230S									
Thrust Washer Set		TW-230S	STD						
		MB-648W(L)		3.0950/3.1050			3.6830/3.6930	0.0910	
		MB-648W(U)		3.0950/3.1050			3.6830/3.6930	0.0910	
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1332P									
Cam Bearing Set	B-1	SH-952S	STD						
1		SH-772		1.7887/1.7892	0.0010/0.0040	0.0624	1.9150/1.9160	0.5610	
2-3		SH-765		1.7282/1.7287	0.0015/0.0046	0.0624	1.8550/1.8560	0.8760	
4		SH-774		1.6228/1.6233	0.0009/0.0040	0.0624	1.7490/1.7500	0.9550	
NOTE: Thru 4/79									
Cam Bearing Set	B-1	SH-1432S	STD						
1		SH-1432		2.0226/2.0236	0.0008/0.0035	0.0585	2.1421/2.1429	0.9450	
2		SH-1433		2.0147/2.0157	0.0008/0.0035	0.0585	2.1342/2.1350	0.8660	
3		SH-1434		2.0069/2.0079	0.0008/0.0035	0.0585	2.1264/2.1272	0.8660	
4		SH-1435		1.9990/2.0000	0.0008/0.0035	0.0585	2.1185/2.1193	0.9450	
NOTE: From 5/79									
Piston Pin Bushing(6)	B-1	223-3638	STD			0.0600	1.1417/1.1427	1.1811	

NISSAN (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
21 (Cont.)	3246CC (3.2L) SD33 Diesel 6 Cyl (1966-1990)				3.268in./83mm x 3.937in./100mm			21 (Cont.)
Connecting Rod		37 Lbs.Ft.						
Main Bearing		123 To 127 Lbs.Ft.						
22	3956CC (4.0L) P/PF 6 Cyl (1960-1980) 3956CC (4.0L) P40/PF 6 Cyl (1981-1990)				3.374in./85.7mm x 4.500in./114.3mm 3.374in./85.7mm x 4.500in./114.3mm			22
Rod Bearing(6)	TM-1	CB-811G	STD.,25mm.,50mm.,75mm,1.00mm	2.2492/2.2500	0.0010/0.0035	0.0594	2.3693/2.3700	1.0280
Cam Bearing Set	B-1	SH-951S	STD					
1		SH-951		1.9340/1.9350	0.0005/0.0040	0.0648	2.0660	1.1560
2		SH-952		1.9260/1.9270	0.0005/0.0040	0.0648	2.0580	0.7500
3		SH-953		1.9148/1.9158	0.0005/0.0040	0.0648	2.0460	0.7500
4		SH-954		1.9020/1.9030	0.0005/0.0040	0.0648	2.0340	1.2500
Connecting Rod		33 To 49 Lbs.Ft.						
Main Bearing		72 To 87 Lbs.Ft.						
23	6925CC (6.9L) FE6 Diesel 6 Cyl (1980-1991) 6925CC (6.9L) FE6T Turbocharged Diesel 6 Cyl (1989-1991) 6925CC (6.9L) FE6TA Turbocharged/Aftercooled Diesel 6 Cyl (1992-1998)				4.252in./108mm x 4.961in./126mm 4.252in./108mm x 4.961in./126mm 4.252in./108mm x 4.961in./126mm			23
Rod Bearing(6)	TM-1	CB-1630P	STD.,25mm	2.5561/2.5569	0.0014/0.0037	0.0788	2.7157/2.7165	1.2600
Main Bearing Set	TM-1	MS-2016P	STD.,25mm					
1-2-3-4-5-6-7		MB-3480P		3.0681/3.0689	0.0012/0.0035	0.0984	3.2669/3.2677	1.0630
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-591S								
Thrust Washer Set		TW-591S	STD					
		MB-3480W		3.5138		0.1161		
NOTE: Contains 4 Pieces, Position Number 7, Use With Part Number MS-2016P								
Cam Bearing Set	B-1	SH-1768S	STD					
1		SH-1768		2.2571/2.2579	0.0005/0.0040	0.0596	2.3779/2.3791	1.1030
2		SH-1769		2.4292/2.2500	0.0005/0.0040	0.0596	2.3700/2.3712	1.0200
3		SH-1770		2.2413/2.2421	0.0005/0.0040	0.0596	2.3622/2.3633	1.0200
4		SH-1771		2.2335/2.2342	0.0005/0.0040	0.0596	2.3543/2.3555	1.0200

OLIVER

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
3 CYL			6 CYL (Cont.)		
3-71 Detroit Diesel 213 CID (3.5L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	1	185DAB Waukesha 194 CID (3.2L)	3.313in./84.2mmX3.750in./95.3mm	11
			185DAC Waukesha 194 CID (3.2L) Diesel	3.313in./84.2mmX3.750in./95.3mm	11
			185DLB Waukesha 194 CID (3.2L)	3.313in./84.2mmX3.750in./95.3mm	11
4-53 Detroit Diesel 212 CID (3.5L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	10	185GA Waukesha 194 CID (3.2L)	3.313in./84.2mmX3.750in./95.3mm	11
4-53N Detroit Diesel 212 CID (3.5L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	10	185GL Waukesha 216 CID (3.5L)	3.500in./88.9mmX3.750in./95.3mm	11
155 Waukesha 155 CID (2.5L)	3.625in./92.1mmX3.750in./95.3mm	6	185GS Waukesha 216 CID (3.5L)	3.500in./88.9mmX3.750in./95.3mm	11
155 Waukesha 155 CID (2.5L) Diesel	3.625in./92.1mmX3.750in./95.3mm	6	190DKB Waukesha 265 CID (4.3L) Diesel	3.750in./95.3mmX4.000in./101.6mm	21
180GA Waukesha 129 CID (2.1L) Diesel	3.313in./84.2mmX3.750in./95.3mm	6	190DLB Waukesha 265 CID (4.3L) Diesel	3.750in./95.3mmX4.000in./101.6mm	21
Waukesha 121 CID (2.0L)	3.3125in./84.1mmX3.500in./88.9mm	5	190DLC Waukesha 265 CID (4.3L) F Oil	3.750in./95.3mmX4.000in./101.6mm	21
Waukesha 121 CID (2.0L) Kero	3.3125in./84.1mmX3.500in./88.9mm	5	190DSB Waukesha 265 CID (4.3L) Diesel	3.750in./95.3mmX4.000in./101.6mm	21
Waukesha 129 CID (2.1L)	3.3125in./84.1mmX3.750in./95.3mm	6	190GL Waukesha 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	21
Waukesha 129 CID (2.1L) Diesel	3.3125in./84.1mmX3.750in./95.3mm	6	190GLB Waukesha 265 CID (4.3L) Flex	3.750in./95.3mmX4.000in./101.6mm	21
Waukesha 144 CID (2.4L)	3.500in./88.9mmX3.750in./95.3mm	6	190GLC Waukesha 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	21
Waukesha 144 CID (2.4L) Diesel	3.500in./88.9mmX3.750in./95.3mm	6	190GS Waukesha 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	21
DD198 Hercules 198 CID (3.2L)	3.750in./95.3mmX4.500in./114.3mm	9	190KL Waukesha 265 CID (4.3L) F Oil	3.750in./95.3mmX4.000in./101.6mm	21
F140 Continental 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	7	190KL Waukesha 265 CID (4.3L) Kero	3.750in./95.25mmX4.000in./101.6mm	22
F4162 Continental 162 CID (2.7L)	3.438in./87.33mmX4.375in./111.1mm	7	194 Waukesha 216 CID (3.5L)	3.500in./88.9mmX3.750in./95.3mm	11
G155 Waukesha 155 CID (2.5L)	3.625in./92.1mmX3.750in./95.3mm	8	194 Waukesha 216 CID (3.5L) Diesel	3.500in./88.9mmX3.750in./95.3mm	11
VF4 Wisconsin 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	2	195DLC Waukesha 302 CID (5.0L) Diesel	4.000in./101.6mmX4.000in./101.6mm	24
VH4 Wisconsin 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	3			
Y112 Continental 112 CID (1.8L)	3.187in./80.95mmX3.500in./88.9mm	4	195GL Waukesha 302 CID (5.0L)	4.000in./101.6mmX4.000in./101.6mm	21
			1650 265 CID (4.3L) Flex	3.750in./95.3mmX4.000in./101.6mm	20
			1655 265 CID (4.3L) Flex	3.750in./95.3mmX4.000in./101.6mm	20
6 CYL					
6-354 Perkins 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	25			

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
1750 283 CID (4.6L)	3.875in./98.4mmX4.000in./101.6mm	23	F310DBA Waukesha 310 CID (5.1L)	3.875in./98.4mmX4.375in./111.1mm	23
1800 283 CID (4.6L) Diesel	3.875in./98.4mmX4.000in./101.6mm	23	Diesel		
1800 265 CID (4.3L) Flex	3.750in./95.3mmX4.000in./101.6mm	20	F310DBLT Waukesha 310 CID (5.1L)	3.875in./98.4mmX4.375in./111.1mm	23
Waukesha 194 CID (3.2L)	3.313in./84.2mmX3.750in./95.3mm	11	Diesel Turbocharged		
Waukesha 194 CID (3.2L) Diesel	3.313in./84.2mmX3.750in./95.3mm	11	F310DBT Waukesha 310 CID (5.1L)	3.875in./98.4mmX4.375in./111.1mm	23
Continental 202 CID (3.3L)	3.125in./79.4mmX4.375in./111.1mm	12	Diesel Turbocharged		
Continental 202 CID (3.3L) Kero	3.125in./79.4mmX4.375in./111.1mm	12	FA226 Continental 226 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	15
Waukesha 216 CID (3.5L)	3.500in./88.9mmX3.750in./95.3mm	11	FA244 Continental 244 CID (4.0L)	3.438in./87.33mmX4.375in./111.1mm	15
Waukesha 216 CID (3.5L) Diesel	3.500in./88.9mmX3.750in./95.3mm	11	I251 Chrysler 251 CID (4.1L)	3.438in./87.33mmX4.500in./114.3mm	19
Waukesha 216 CID (3.5L) Kero	3.500in./88.9mmX3.750in./95.3mm	11	I265 Chrysler 265 CID (4.3L)	3.438in./87.33mmX4.750in./120.7mm	19
Waukesha 231 CID (3.8L)	3.500in./88.9mmX4.000in./101.6mm	17	JXA Hercules 228 CID (3.7L)	3.375in./85.7mmX4.250in./108mm	16
Waukesha 231 CID (3.8L) Diesel	3.500in./88.9mmX4.000in./101.6mm	17	JXD Hercules 320 CID (5.2L)	4.000in./101.6mmX4.250in./108mm	16
Waukesha 232 CID (3.8L)	3.625in./92.1mmX3.750in./95.3mm	18	JXLD Hercules 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	16
Waukesha 232 CID (3.8L) LPG	3.625in./92.1mmX3.750in./95.3mm	18	QXB Hercules 205 CID (3.4L)	3.250in./82.6mmX4.250in./108mm	13
General Motors 478 CID (7.8L)	5.125in./130.2mmX3.859in./98mm	26	VRD283 Waukesha 283 CID (4.6L)	3.875in./98.4mmX4.000in./101.6mm	23
F209 Continental 209 CID (3.4L)	3.188in./80.98mmX4.375in./111.1mm	14	Diesel		
F226 Continental 226 CID (3.7L) Flex	3.313in./84.1mmX4.375in./111.1mm	15	VRD310 Waukesha 310 CID (5.1L)	3.875in./98.4mmX4.375in./111.1mm	23
F265G Waukesha 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	21	Diesel		
F265G Waukesha 265 CID (4.3L) Kero	3.750in./95.3mmX4.000in./101.6mm	21	VRG265 Waukesha 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	22
F265G Waukesha 265 CID (4.3L) LPG	3.750in./95.3mmX4.000in./101.6mm	21	VRG265 Waukesha 265 CID (4.3L) LPG	3.750in./95.3mmX4.000in./101.6mm	22
F283G Waukesha 283 CID (4.6L)	3.875in./98.4mmX4.000in./101.6mm	23	VRG283 Waukesha 283 CID (4.6L)	3.875in./98.4mmX4.000in./101.6mm	23
F283G Waukesha 283 CID (4.6L) LPG	3.875in./98.4mmX4.000in./101.6mm	23	VRG283 Waukesha 283 CID (4.6L) LPG	3.875in./98.4mmX4.000in./101.6mm	23
F310DB Waukesha 310 CID (5.1L)	3.875in./98.4mmX4.375in./111.1mm	23			
Diesel					

MODEL DATA

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
2-44 Base Model	Loader	155 CID (2.5L) 155 Waukesha	6	30 Base Model	Combine	226 CID (3.7L) F226 Continental	15
2-70 Base Model	Wheel Tractor	265 CID (4.3L) VRG265 Waukesha	22	33 Base Model	Combine	209 CID (3.4L) F209 Continental	14
2-70 Base Model	Wheel Tractor	283 CID (4.6L) VRD283 Waukesha Diesel	23	33 Base Model	Combine	226 CID (3.7L) F226 Continental	15
2-78 Base Model	Wheel Tractor	265 CID (4.3L) VRG265 Waukesha	22	35 Base Model	Combine	226 CID (3.7L) F226 Continental	15
2-78 Base Model	Wheel Tractor	283 CID (4.6L) VRD283 Waukesha Diesel	23	35 Base Model	Combine	244 CID (4.0L) FA244 Continental	15
2-85 Base Model	Wheel Tractor	354 CID (5.8L) 6-354 Perkins Diesel	25	40 Base Model	Combine	226 CID (3.7L) F226 Continental	15
2-105 Base Model	Wheel Tractor	354 CID (5.8L) 6-354 Perkins Diesel	25	40 Base Model	Combine	244 CID (4.0L) FA244 Continental	15
4-78 Base Model	Wheel Tractor	265 CID (4.3L) VRG265 Waukesha	22	56 Super	Wheel Tractor	144 CID (2.4L) Waukesha Diesel	6
4-78 Base Model	Wheel Tractor	283 CID (4.6L) VRD283 Waukesha Diesel	23	60HC Base Model	Wheel Tractor	121 CID (2.0L) Waukesha	5
4-105 Base Model	Wheel Tractor	354 CID (5.8L) 6-354 Perkins Diesel	25	60KD Base Model	Wheel Tractor	121 CID (2.0L) Waukesha	5
10 Base Model	Combine	162 CID (2.7L) F4162 Continental	7	66 Base Model	Wheel Tractor	129 CID (2.1L) Waukesha	6
12 Base Model	Combine	162 CID (2.7L) F4162 Continental	7	66 Super	Wheel Tractor	144 CID (2.4L) Waukesha	6
15 Base Model	Combine	112 CID (1.8L) Y112 Continental	4	66D Base Model	Wheel Tractor	129 CID (2.1L) Waukesha Diesel	6
18 Base Model	Combine	108 CID (1.8L) VH4 Wisconsin	3	66D Super	Wheel Tractor	144 CID (2.4L) Waukesha Diesel	6
20 Base Model	Combine	112 CID (1.8L) Y112 Continental	4	66HC Base Model	Wheel Tractor	129 CID (2.1L) Waukesha	6
20 Base Model	Combine	228 CID (3.7L) JXA Hercules	16	66HC Super	Wheel Tractor	144 CID (2.4L) Waukesha	6
22 Base Model	Combine	112 CID (1.8L) Y112 Continental	4	66KD Base Model	Wheel Tractor	216 CID (3.5L) Waukesha	11
25 Base Model	Combine	226 CID (3.7L) FA226 Continental	15	70 Base Model	Wheel Tractor	209 CID (3.4L) F209 Continental	14
30 Base Model	Combine	205 CID (3.4L) QXB Hercules	13	70HC Base Model	Wheel Tractor	202 CID (3.3L) Continental	12
30 Base Model	Combine	209 CID (3.4L) F209 Continental	14	70KD Base Model	Wheel Tractor	202 CID (3.3L) Continental	12
				77D Base Model	Wheel Tractor	194 CID (3.2L) 185GA Waukesha	11
				77HC Base Model	Wheel Tractor	194 CID (3.2L) Waukesha Diesel	11
				77HC Base Model	Wheel Tractor	216 CID (3.5L) 194 Waukesha Diesel	11

OLIVER (Cont.)

MODEL DATA (Cont.)							
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
77KD Base Model	Wheel Tractor	216 CID (3.5L) Waukesha	11	950 Base Model	Wheel Tractor	302 CID (5.0L) 195DLC	24
88 Base Model	Wheel Tractor	216 CID (3.5L) Waukesha Diesel	11	990GM Base Model	Wheel Tractor	213 CID (3.5L) 3-71 Detroit Diesel Diesel	1
88 D	Wheel Tractor	231 CID (3.8L) Waukesha Diesel	17	995GM Base Model	Wheel Tractor	213 CID (3.5L) 3-71 Detroit Diesel Diesel	1
88 Super	Wheel Tractor	265 CID (4.3L) F265G Waukesha	21	1550 Base Model	Wheel Tractor	232 CID (3.8L) Waukesha	18
99 Super	Wheel Tractor	213 CID (3.5L) 3-71 Detroit Diesel Diesel	1	1600 Base Model	Wheel Tractor	265 CID (4.3L) F265G Waukesha	21
99 Base Model	Wheel Tractor	302 CID (5.0L) 195DLC Waukesha Diesel	24	1650 Base Model	Wheel Tractor	265 CID (4.3L) VRG265 Waukesha	22
166D Super	Industrial	144 CID (2.4L) Waukesha Diesel	6	1650 Base Model	Wheel Tractor	283 CID (4.6L) VRD283 Waukesha Diesel	23
166D Super	Industrial	194 CID (3.2L) 185DLB Waukesha	11	1655 Base Model	Wheel Tractor	265 CID (4.3L) VRG265 Waukesha	22
166HC Base Model	Industrial	194 CID (3.2L) 185GA Waukesha	11	1655 Base Model	Wheel Tractor	283 CID (4.6L) VRD283 Waukesha Diesel	23
166HC Base Model	Industrial	216 CID (3.5L) 185GL Waukesha	11	1750 Base Model	Wheel Tractor	283 CID (4.6L) VRG283 Waukesha	23
177 HC	Industrial	194 CID (3.2L) 185GA Waukesha	11	1750 Base Model	Wheel Tractor	310 CID (5.1L) F310DBA Waukesha Diesel	23
177 HC	Industrial	216 CID (3.5L) 185GS Waukesha	11	1755 Base Model	Wheel Tractor	283 CID (4.6L) VRG283 Waukesha	23
188 Base Model	Wheel Tractor	216 CID (3.5L) Waukesha Diesel	11	1755 Base Model	Wheel Tractor	310 CID (5.1L) VRD310 Waukesha Diesel	23
188 HC	Industrial	265 CID (4.3L) VRG265 Waukesha	22	1800 Base Model	Wheel Tractor	265 CID (4.3L) F265G Waukesha	21
199 D	Industrial	265 CID (4.3L) 190DLC Waukesha	21	1800 Base Model	Wheel Tractor	283 CID (4.6L) VRG283 Waukesha	23
199 HC	Industrial	302 CID (5.0L) 195GL Waukesha	21	1800 Base Model	Wheel Tractor	310 CID (5.1L) VRD310 Waukesha Diesel	23
430 Base Model	Combine	265 CID (4.3L) I265 Chrysler	19	1855 Base Model	Wheel Tractor	310 CID (5.1L) VRD310 Waukesha Diesel	23
431 Base Model	Combine	265 CID (4.3L) I265 Chrysler	19	1900 Base Model	Wheel Tractor	212 CID (3.5L) 4-53N Detroit Diesel Diesel	10
440 Super Base Model	Wheel Tractor	140 CID (2.3L) F140 Continental	7	1950 Base Model	Wheel Tractor	212 CID (3.5L) 4-53N Detroit Diesel Diesel	10
525 Base Model	Combine	251 CID (4.1L) I251 Chrysler	19	1950 Base Model	Wheel Tractor	310 CID (5.1L) F310DBT Waukesha Diesel	23
535 Base Model	Combine	265 CID (4.3L) I265 Chrysler	19	1955 Base Model	Wheel Tractor	310 CID (5.1L) VRD310 Waukesha Diesel	23
535 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	25	5542 Base Model	Combine	265 CID (4.3L) I265 Chrysler	19
542 Base Model	Combine	265 CID (4.3L) I265 Chrysler	19	5542 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	25
542 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	25	7300 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	25
545 Base Model	Combine	265 CID (4.3L) I265 Chrysler	19	7600 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	25
545 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	25	7800 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	25
550 Base Model	Wheel Tractor	144 CID (2.4L) Waukesha Diesel	6	Base Model	Wheel Tractor	202 CID (3.3L) Continental	12
550 Base Model	Wheel Tractor	155 CID (2.5L) 155 Waukesha Diesel	6	Base Model	Wheel Tractor	478 CID (7.8L) General Motors	26
588 Base Model	Loader	155 CID (2.5L) 155 Waukesha	6	Base Model	Engine	194 CID (3.2L) 185DAB Waukesha	11
613 Base Model	Backhoe	155 CID (2.5L) 155 Waukesha	6	Base Model	Engine	265 CID (4.3L) 190KL Waukesha	22
650 Base Model	Wheel Tractor	155 CID (2.5L) 155 Waukesha Diesel	6	AG 20	Crawler	226 CID (3.7L) F226 Continental	15
660 Base Model	Wheel Tractor	129 CID (2.1L) 180GA Waukesha Diesel	6	BG S	Crawler	320 CID (5.2L) JXD Hercules	16
660 Base Model	Wheel Tractor	155 CID (2.5L) G155 Waukesha	8	G550 Base Model	Wheel Tractor	129 CID (2.1L) 180GA Waukesha Diesel	6
770 Base Model	Wheel Tractor	194 CID (3.2L) 185DAC Waukesha Diesel	11	G550 Base Model	Wheel Tractor	155 CID (2.5L) G155 Waukesha	8
770 Base Model	Wheel Tractor	216 CID (3.5L) Waukesha Diesel	11	G750 Base Model	Wheel Tractor	265 CID (4.3L) 1655	20
880 Base Model	Wheel Tractor	265 CID (4.3L) F265G Waukesha	21	Mighty Lift 2-44-FL	Fork Lift	155 CID (2.5L) 155 Waukesha	6

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
OC 6HC	Crawler	194 CID (3.2L) 185GA Waukesha	11	Super 55 D	Wheel Tractor	144 CID (2.4L) Waukesha Diesel	6
OC 9	Crawler	198 CID (3.2L) DD198 Hercules	9	Super 77D Base Model	Wheel Tractor	216 CID (3.5L) Waukesha Diesel	11
OC 12	Crawler	339 CID (5.6L) JXLD Hercules	16	Super 77HC Base Model	Wheel Tractor	216 CID (3.5L) Waukesha Diesel	11
Super 55 HC	Wheel Tractor	129 CID (2.1L) 180GA Waukesha Diesel	6				

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
40090C	4.250in./108mm	16	180007-C	3.750in./95.3mm	6	5121248	4.500in./114.3mm	10	F400D-502	4.375in./111.1mm	7
40090C	4.500in./114.3mm	16	182111	3.750in./95.3mm	6	5144469	5.000in./127mm	1	F400D-502	4.375in./111.1mm	14
40390C	4.250in./108mm	16	187111	3.750in./95.3mm	6	5150093	5.000in./127mm	1	F600D-310	4.375in./111.1mm	15
40390C	4.500in./114.3mm	16	190107	4.000in./101.6mm	21	5154265	5.000in./127mm	1	F600D-402	4.375in./111.1mm	15
43102C	4.250in./108mm	16	190107	4.000in./101.6mm	22	31337180JGSB	5.000in./127mm	25	F600D-405	4.375in./111.1mm	15
43102C	4.500in./114.3mm	16	190307	4.000in./101.6mm	21	31337310	5.000in./127mm	25	F600D-500	4.375in./111.1mm	14
44119C	4.500in./114.3mm	16	220207	3.750in./95.3mm	8	D600D-500	4.375in./111.1mm	14	F600D-502	4.375in./111.1mm	14
59554	5.000in./127mm	25	288090D	4.500in./114.3mm	9	F218D-3020	4.375in./111.1mm	7	Y400D-400	3.500in./88.9mm	4
180000-C	3.750in./95.3mm	11	2448949	3.859in./98mm	26	F218D-3022	4.375in./111.1mm	14	Y400D-401	3.500in./88.9mm	4
180007	3.750in./95.3mm	6	2474281	3.859in./98mm	26	F218D-3032	4.375in./111.1mm	14	Y400D-402	3.500in./88.9mm	4
180007-B	3.750in./95.3mm	11	2484084	3.859in./98mm	26	F400D-500	4.375in./111.1mm	7	Y400D-403	3.500in./88.9mm	4

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3-71	5.000in./127mm	1	140025D	4.250in./108mm	16	672016	3.859in./98mm	26	F400C-209	4.375in./111.1mm	14
400C-209	4.375in./111.1mm	7	140025D	4.500in./114.3mm	16	732596	4.375in./111.1mm	14	F400C-222	4.375in./111.1mm	7
400C-213	3.500in./88.9mm	4	140026D	4.250in./108mm	16	733536	4.375in./111.1mm	14	F400C-228	4.375in./111.1mm	7
400C-226	3.500in./88.9mm	4	155025E	4.250in./108mm	16	733863	4.375in./111.1mm	14	F400C-314	4.375in./111.1mm	7
400C-500	4.375in./111.1mm	7	181211	3.750in./95.3mm	6	734452	4.375in./111.1mm	14	F400C-321	4.375in./111.1mm	7
40091E	4.250in./108mm	16	181411	3.750in./95.3mm	6	734542	4.375in./111.1mm	14	F400C-324	4.375in./111.1mm	7
40094D	4.250in./108mm	16	181411-A	3.750in./95.3mm	6	928928	4.375in./111.1mm	14	F400C-359	4.375in./111.1mm	7
40094E	4.250in./108mm	16	182111	3.750in./95.3mm	6	2419583	3.859in./98mm	26	F400C-368	4.375in./111.1mm	7
40950E	4.250in./108mm	16	185111	3.750in./95.3mm	11	3132302	5.000in./127mm	25	F400C-500	4.375in./111.1mm	7
40991E	4.250in./108mm	16	186211	3.750in./95.3mm	11	5103318	4.500in./114.3mm	10	F400C-501	4.375in./111.1mm	7
42947E	4.500in./114.3mm	16	186211-A	3.750in./95.3mm	11	5116022	4.500in./114.3mm	10	F400C-503	4.375in./111.1mm	7
42974E	4.500in./114.3mm	16	186311	3.750in./95.3mm	11	5116029	4.500in./114.3mm	10	F600C-217	4.375in./111.1mm	15
42979E	4.250in./108mm	16	187111	3.750in./95.3mm	6	5154926	5.000in./127mm	1	F600C-344	4.375in./111.1mm	15
43526D	4.500in./114.3mm	16	190111	4.000in./101.6mm	21	5154929	5.000in./127mm	1	F600C-368	4.375in./111.1mm	15
43526E	4.250in./108mm	16	190111	4.000in./101.6mm	22	5181377	4.500in./114.3mm	10	F600C-500A	4.375in./111.1mm	15
43528B	4.500in./114.3mm	16	190211	4.000in./101.6mm	21	5184214	5.000in./127mm	1	F600C-502	4.375in./111.1mm	15
43528E	4.500in./114.3mm	16	190211	4.000in./101.6mm	22	5773990	5.000in./127mm	1	F600C-502A	4.375in./111.1mm	15
43531E	4.250in./108mm	16	191211	4.000in./101.6mm	21	7325596	4.375in./111.1mm	14	F600C-504	4.375in./111.1mm	15
43532	4.250in./108mm	16	191211	4.000in./101.6mm	22	8877367	3.859in./98mm	26	F600C-506A	4.375in./111.1mm	15
44025E	4.250in./108mm	16	191311	4.000in./101.6mm	21	31322302	5.000in./127mm	25	F600C-536	4.375in./111.1mm	15
45853D	4.250in./108mm	16	191311	4.000in./101.6mm	22	B600C-601	4.375in./111.1mm	14	F600C-601	4.375in./111.1mm	15
45853E	4.250in./108mm	16	192211B	4.000in./101.6mm	21	C-5145	4.250in./108mm	16	F600C-606A	4.375in./111.1mm	15
45855E	4.250in./108mm	16	192211B	4.000in./101.6mm	24	CA-55	3.250in./82.6mm	2	F600C-606C	4.375in./111.1mm	15
45857E	4.250in./108mm	16	195111	4.000in./101.6mm	21	D186C-300	4.375in./111.1mm	14	Y112C-300	3.500in./88.9mm	4
45859B	4.250in./108mm	16	195311	4.000in./101.6mm	21	D600C-218	4.375in./111.1mm	14	Y400C-213	3.500in./88.9mm	4
45859D	4.250in./108mm	16	195311	4.000in./101.6mm	24	D600C-368	4.375in./111.1mm	14	Y400C-216	3.500in./88.9mm	4
45859E	4.250in./108mm	16	209229	4.375in./111.1mm	14	D600C-601	4.375in./111.1mm	14	Y400C-225	3.500in./88.9mm	4
45868G	4.250in./108mm	16	220426C	4.500in./114.3mm	16	D600C-602	4.375in./111.1mm	14	Y400C-226	3.500in./88.9mm	4
46024E	4.250in./108mm	16	220825E	4.250in./108mm	13	D600C-603	4.375in./111.1mm	14	Y400C-508	3.500in./88.9mm	4
46839E	4.250in./108mm	13	250026F	4.500in./114.3mm	9	F140C-303	4.375in./111.1mm	7	Y400C-511	3.500in./88.9mm	4
49525B	4.250in./108mm	13	256025E	4.500in./114.3mm	9	F162C-319	4.375in./111.1mm	7			
49528E	4.250in./108mm	13	256026E	4.500in./114.3mm	9	F186C-300	4.375in./111.1mm	14			
50024E	4.250in./108mm	16	285360F	4.500in./114.3mm	9	F400C-209	4.375in./111.1mm	7			

COUNTER DATA
SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL								
1	213 CID (3.5L) 3-71 Detroit Diesel Supercharged Diesel 3 Cyl			4.250in./108mm x 5.000in./127mm				1
Rod Bearing(3)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800
Main Bearing(4)	TM-112	MB-1276P	STD,10,20,30,40	3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930

OLIVER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL (Cont.)								
1 (Cont.)	213 CID (3.5L) 3-71 Detroit Diesel Supercharged Diesel 3 Cyl					4.250in./108mm x 5.000in./127mm		1 (Cont.)
Thrust Washer Set		TW-411S MB-2524W	STD	3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MB-1276P (4)								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: From Engine Serial Number 3A-27384, Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(2)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(2)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: From Engine Serial Number 3A-27384, Contains 4 Pieces								
Piston Pin Bushing(6)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(3)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston, 1 Per Rod								
Rod Forging	5144469, 5150093, 5154265							
C/S Forging	3-71, 5154926, 5154929, 5184214, 5773990							
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	120 To 140 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
4 CYL								
2	108 CID (1.8L) VF4 Wisconsin V4 Cyl					3.250in./82.6mm x 3.250in./82.6mm		2
Rod Bearing(4)	B-2	CB-983M	STD,10	1.7500/1.7510	0.0014/0.0035	0.0613	1.8745/1.8750	0.8640
Piston Pin Bushing(4)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100
NOTE: Requires Light Reaming								
C/S Forging	CA-55							
Connecting Rod	24 Lbs.Ft.							
Main Bearing	30 Lbs.Ft.							
3	108 CID (1.8L) VH4 Wisconsin V4 Cyl					3.250in./82.6mm x 3.250in./82.6mm		3
Rod Bearing(4)	B-2	CB-979M	STD,10,20	1.8750/1.8760	0.0014/0.0035	0.0613	1.9995/2.0000	0.8640
Piston Pin Bushing(4)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100
NOTE: Requires Light Reaming								
Connecting Rod	24 Lbs.Ft.							
Main Bearing	30 Lbs.Ft.							
4	112 CID (1.8L) Y112 Continental 4 Cyl					3.187in./80.95mm x 3.500in./88.9mm		4
Rod Bearing(2)	TM-112	CB-278P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050
NOTE: Positions 1 And 3								
Rod Bearing(2)	TM-112	CB-279P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050
NOTE: Positions 2 And 4								
Main Bearing Set	TM-77	MS-806P	STD,10,30					
1		MB-2366P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.2230
2		MB-1651P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470
3		MB-1652P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains Straight Shell Bearings, Use With Part Number TW-143S								
Thrust Washer Set		TW-143S MB-1653W	STD	1.7812			2.6250	0.0950
NOTE: Contains 1 Piece, Position Number 1, Use With Part Number MS-806P								

OLIVER (Cont.)

COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)									
4 (Cont.)	112 CID (1.8L) Y112 Continental 4 Cyl				3.187in./80.95mm x 3.500in./88.9mm				4 (Cont.)
Cam Bearing Set 1	AL-3	SH-191S	STD		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2		SH-191			1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-56			1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3503	STD				0.0320	0.7622/0.7632	1.0630
NOTE: Requires Light Reaming									
Rod Forging	Y400D-400, Y400D-401, Y400D-402, Y400D-403								
C/S Forging	400C-213, 400C-226, Y112C-300, Y400C-213, Y400C-216, Y400C-225, Y400C-226, Y400C-508, Y400C-511								
Connecting Rod	20 To 25 Lbs.Ft.								
Main Bearing	35 To 40 Lbs.Ft.								
5	121 CID (2.0L) Waukesha 4 Cyl				3.3125in./84.1mm x 3.500in./88.9mm				5
	121 CID (2.0L) Waukesha Kero 4 Cyl				3.3125in./84.1mm x 3.500in./88.9mm				
Rod Bearing(4)	TM-112	CB-446P	STD,10,20		1.9990/2.0000	0.0005/0.0030	0.0617	2.1235/2.1240	1.1190
Cam Bearing Set 1	B-1	SH-330S	STD		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
		SH-330							
6	129 CID (2.1L) 180GA Waukesha Diesel 4 Cyl				3.313in./84.2mm x 3.750in./95.3mm				6
	129 CID (2.1L) Waukesha 4 Cyl				3.3125in./84.1mm x 3.750in./95.3mm				
	129 CID (2.1L) Waukesha Diesel 4 Cyl				3.3125in./84.1mm x 3.750in./95.3mm				
	144 CID (2.4L) Waukesha 4 Cyl				3.500in./88.9mm x 3.750in./95.3mm				
	144 CID (2.4L) Waukesha Diesel 4 Cyl				3.500in./88.9mm x 3.750in./95.3mm				
	155 CID (2.5L) 155 Waukesha 4 Cyl				3.625in./92.1mm x 3.750in./95.3mm				
	155 CID (2.5L) 155 Waukesha Diesel 4 Cyl				3.625in./92.1mm x 3.750in./95.3mm				
Rod Bearing(4)	TM-112	CB-446P	STD,10,20		1.9990/2.0000	0.0005/0.0030	0.0617	2.1235/2.1240	1.1190
NOTE: Engines With 2.000" Crankpins,Thru Serial Number 6502									
Rod Bearing(4)	TM-112	CB-451P	STD,10,20,30,40		2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560
NOTE: Engines With 2.250" Crankpins									
Main Bearing Set 1-3	TM-112	MS-405P	STD,10,20,30		2.2490/2.2500	0.0002/0.0032	0.0854	2.4210/2.4220	1.3800
2		MB-1629P			2.2290/2.2300	0.0002/0.0032	0.0854	2.4210/2.4220	1.6230
		MB-1786P(F)							
Cam Bearing Set 1	B-1	SH-330S	STD		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
		SH-330							
Piston Pin Bushing(8)	C-1	223-3514	STD				0.0450	1.3125/1.3130	0.5570
NOTE: 2 Per Rod,Requires Boring									
Rod Forging	180007, 182111, 187111, 180007-C								
C/S Forging	181211, 181411, 182111, 187111, 181411-A								
Connecting Rod	46 To 50 Lbs.Ft.								
Main Bearing	87 To 92 Lbs.Ft.								
7	140 CID (2.3L) F140 Continental 4 Cyl				3.188in./80.98mm x 4.375in./111.1mm				7
	162 CID (2.7L) F4162 Continental 4 Cyl				3.438in./87.33mm x 4.375in./111.1mm				
Rod Bearing(2)	TM-112	CB-78P	STD,10,20,30,40,C60		1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 2 And 4									
Rod Bearing(2)	TM-112	CB-79P	STD,10,20,30,40,C60		1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 1 And 3									
Main Bearing Set 1	TM-77	MS-176P-10	20,30		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
1		MB-1403P			2.2812			3.0625	0.0960
2		MB-1403W			2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.6300
3		MB-1406P			2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings									
Thrust Washer Set(2)		TW-424S	STD		2.2812			3.0625	0.0960
		MB-1403W							
NOTE: Contains 1 Piece, Position Number 1, Use With Part Number MS-176P-10									

OLIVER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
7 (Cont.)	140 CID (2.3L) F140 Continental 4 Cyl			3.188in./80.98mm x 4.375in./111.1mm				7 (Cont.)
	162 CID (2.7L) F4162 Continental 4 Cyl			3.438in./87.33mm x 4.375in./111.1mm				
Cam Bearing Set	AL-3	SH-56S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	F400D-500, F400D-502, F218D-3020							
C/S Forging	400C-209, 400C-500, F140C-303, F162C-319, F400C-209, F400C-222, F400C-228, F400C-314, F400C-321, F400C-324, F400C-359, F400C-368, F400C-500, F400C-501, F400C-503							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
8	155 CID (2.5L) G155 Waukesha 4 Cyl			3.625in./92.1mm x 3.750in./95.3mm				8
Rod Bearing(4)	TM-112	CB-446P	STD,10,20	1.9990/2.0000	0.0005/0.0030	0.0617	2.1235/2.1240	1.1190
NOTE: Engines With 2.000" Crankpins								
Rod Bearing(4)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560
NOTE: Engines With 2.250" Crankpins								
Rod Bearing(4)	TM-112	CB-1239P	STD,10,20,30,40	1.7490/1.7500	0.0010/0.0035	0.0525	1.8555/1.8560	1.0200
NOTE: Engines With 1.750" Crankpins								
Main Bearing Set	TM-112	MS-1423P	STD,10,20,30					
1-3		MB-2610P		2.2490/2.2500	0.0005/0.0035	0.0854	2.4210/2.4220	1.3800
2		MB-1786P(F)		2.2290/2.2300	0.0002/0.0032	0.0854	2.4210/2.4220	1.6230
Main Bearing Set		MS-1698P-20	30					
1-3		MB-2610P		2.2490/2.2500	0.0005/0.0035	0.0854	2.4210/2.4220	1.3800
2		MB-3096P(F)		2.2490/2.2500	0.0005/0.0035	0.0854	2.4210/2.4220	1.6430
NOTE: Contains .020" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-330S	STD					
1		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
Piston Pin Bushing(8)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570
NOTE: 2 Per Rod, Requires Boring								
Rod Forging	220207							
9	198 CID (3.2L) DD198 Hercules 4 Cyl			3.750in./95.3mm x 4.500in./114.3mm				9
Rod Bearing(4)	TM-112	CB-340P	STD,10,20,30,40	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640
NOTE: Engines with 2.00" Crankpins and 2.500" Main Journals, Contains 2 Shims								
Rod Bearing(4)	TM-112	CB-704P	STD,10,20,30	2.3730/2.3740	0.0013/0.0043	0.0756	2.5260/2.5270	1.1640
NOTE: Engines with 2.375" Crankpins and 2.875" Main Journals								
Main Bearing Set	TM-112	MS-1681P	STD,10					
1-2-4-5		MB-2185P		2.8734/2.8744	0.0012/0.0037	0.0956	3.0665/3.0670	1.0360
3		MB-2092P(F)		2.8734/2.8744	0.0018/0.0043	0.0953	3.0665/3.0670	2.1190
NOTE: Engines with 2.875" Main Journals, Upper And Lower Bearing Halves Have Locating Lug In The Same Position								
Cam Bearing Set	B-1	SH-562S	STD					
1-4		SH-561		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	1.0720
2-3		SH-198		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230
Rod Forging	288090D							
C/S Forging	250026F, 256025E, 256026E, 285360F							
Connecting Rod	56 Lbs.Ft.							
Main Bearing	70 To 80 Lbs.Ft.							
10	212 CID (3.5L) 4-53,4-53N Detroit Diesel Supercharged Diesel 4 Cyl			3.875in./98.4mm x 4.500in./114.3mm				10
Rod Bearing(4)	TM-112	CB-1265P	STD,10,20,30,40	2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200
Main Bearing Set	TM-112	MS-502P	STD,10,20,30					
1-2-3-4-5		MB-1897P		2.9990/3.0000	0.0013/0.0043	0.1250	3.2510/3.2520	1.1850
5		MB-2522W		3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								

OLIVER (Cont.)

OLIVER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
10 (Cont.)	212 CID (3.5L) 4-53,4-53N Detroit Diesel Supercharged Diesel 4 Cyl			3.875in./98.4mm x 4.500in./114.3mm				10 (Cont.)
Thrust Washer Set TW-412S STD MB-2522W				3.3380/3.3480		4.2700/4.2800		0.1220
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-502P								
Cam Bearing Set C-1 SH-700S STD				2.1820/2.1825 0.0039/0.0065 0.0943 2.3750/2.3760 1.5100 2.1820/2.1825 0.0040/0.0065 0.0893 2.3650/2.3660 1.5100 2.1820/2.1825 0.0039/0.0065 0.0843 2.3550/2.3560 1.5100		2.3750/2.3760 1.5100 2.3650/2.3660 1.5100 2.3550/2.3560 1.5100		
1-5 SH-686								
2-4 SH-687								
3 SH-688								
NOTE: Contains Camshaft And Balance Shaft Bearings								
Piston Pin Bushing(4) C-1 223-3622 STD						0.1225 1.6005/1.6010		0.7550
NOTE: Requires Boring								
Rod Forging 5121248								
C/S Forging 5103318, 5116022, 5116029, 5181377								
Connecting Rod 40 To 45 Lbs.Ft.								
Main Bearing 120 To 130 Lbs.Ft.								
6 CYL								
11	194 CID (3.2L) 185DAC, Waukesha Diesel 6 Cyl 194 CID (3.2L) ,185DAB,185DLB,185GA Waukesha 6 Cyl 216 CID (3.5L) 194, Waukesha Diesel 6 Cyl 216 CID (3.5L) ,185GL,185GS,194 Waukesha 6 Cyl 216 CID (3.5L) Waukesha Kero 6 Cyl			3.313in./84.2mm x 3.750in./95.3mm 3.313in./84.2mm x 3.750in./95.3mm 3.500in./88.9mm x 3.750in./95.3mm 3.500in./88.9mm x 3.750in./95.3mm 3.500in./88.9mm x 3.750in./95.3mm				11
Rod Bearing(6) TM-112 CB-446P STD,10,20				1.9990/2.0000		0.0005/0.0030 0.0617		2.1235/2.1240 1.1190
NOTE: Engines With 2.000" Crankpins,Thru Serial Number 6502								
Rod Bearing(6) TM-112 CB-451P STD,10,20,30,40				2.2490/2.2500		0.0005/0.0030 0.0850		2.4200/2.4205 1.1560
NOTE: Engines With 2.250" Crankpins								
Main Bearing Set TM-112 MS-406P STD,10,20,30				2.2490/2.2500 0.0002/0.0032 0.0854 2.4210/2.4220 1.3800 2.2290/2.2300 0.0002/0.0032 0.0854 2.4210/2.4220 1.6230		2.4210/2.4220 1.6230		
1-2-4 MB-1629P								
3 MB-1786P(F)								
Cam Bearing Set B-1 SH-330S STD				1.7490/1.7500 0.0010/0.0050 0.0618		1.8745/1.8755 1.0050		
1 SH-330								
Piston Pin Bushing(12) C-1 223-3514 STD						0.0450 1.3125/1.3130 0.5570		
NOTE: 2 Per Rod,Requires Boring								
Rod Forging 180000-C, 180007-B								
C/S Forging 185111, 186211, 186311, 186211-A								
Connecting Rod 44 To 45 Lbs.Ft. (Lubricated Bolts)								
Connecting Rod 46 To 50 Lbs.Ft. (Dry Bolts)								
Main Bearing 87 To 92 Lbs.Ft.								
12	202 CID (3.3L) Continental 6 Cyl 202 CID (3.3L) Continental Kero 6 Cyl			3.125in./79.4mm x 4.375in./111.1mm 3.125in./79.4mm x 4.375in./111.1mm				12
Rod Bearing(3) TM-112 CB-78P STD,10,20,30,40,C60				1.9365/1.9375		0.0007/0.0032 0.0619		2.0615/2.0620 1.1300
NOTE: Positions 2,4, And 6								
Rod Bearing(3) CB-79P STD,10,20,30,40,C60				1.9365/1.9375		0.0007/0.0032 0.0619		2.0615/2.0620 1.1300
NOTE: Positions 1,3, And 5								
Main Bearing Set TM-77 MS-194P-10 20,30				2.2490/2.2500 0.0005/0.0027 0.0932 2.4365/2.4372 1.1300 2.2812 3.0625 0.0960 2.2490/2.2500 0.0005/0.0027 0.0932 2.4365/2.4372 1.3170 2.2490/2.2500 0.0001/0.0028 0.0932 2.4365/2.4372 1.6300		2.4365/2.4372 1.3170 2.4365/2.4372 1.6300		
1 MB-1403P								
1 MB-1403W								
2-3 MB-1404P								
4 MB-1405P								
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Number 1 Position,Contains Straight Shell Bearings								
Thrust Washer Set(2) TW-424S STD MB-1403W				2.2812		3.0625		0.0960
NOTE: Contains 1 Piece, Position Number 1								

OLIVER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
12 (Cont.)	202 CID (3.3L) Continental 6 Cyl			3.125in./79.4mm x 4.375in./111.1mm				12 (Cont.)
	202 CID (3.3L) Continental Kero 6 Cyl			3.125in./79.4mm x 4.375in./111.1mm				
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
13	205 CID (3.4L) QXB Hercules 6 Cyl			3.250in./82.6mm x 4.250in./108mm				13
Rod Bearing(6)	TM-112	CB-341P	STD,10,20	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.0280
Cam Bearing Set	B-1	SH-322S	STD					
1-4		SH-322		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	1.0340
2-3		SH-323		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	0.5650
C/S Forging 46839E, 49525B, 49528E, 220825E								
Connecting Rod	53 To 56 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
14	209 CID (3.4L) F209 Continental 6 Cyl			3.188in./80.98mm x 4.375in./111.1mm				14
Rod Bearing(3)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 2,4, And 6								
Rod Bearing(3)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 1,3, And 5								
Main Bearing Set	TM-77	MS-194P-10	20,30					
1		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
1		MB-1403W		2.2812			3.0625	0.0960
2-3		MB-1404P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.3170
4		MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains Straight Shell Bearings, Contains 2 Piece Thrust Washer Set, Use In Number 1 Position								
Thrust Washer Set(2)		TW-424S	STD					
		MB-1403W		2.2812			3.0625	0.0960
NOTE: Contains 1 Piece, Position Number 1								
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Rod Forging	D600D-500, F400D-502, F600D-500, F600D-502, F218D-3022, F218D-3032							
C/S Forging	209229, 732596, 733536, 733863, 734452, 734542, 928928, 7325596, B600C-601, D186C-300, D600C-218, D600C-368, D600C-601, D600C-602, D600C-603, F186C-300, F400C-209							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	100 To 110 Lbs.Ft.							
15	226 CID (3.7L) F226 Continental Flex 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				15
	226 CID (3.7L) FA226 Continental 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				
	244 CID (4.0L) FA244 Continental 6 Cyl			3.438in./87.33mm x 4.375in./111.1mm				
Rod Bearing(6)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402, Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								

OLIVER (Cont.)

OLIVER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
15 (Cont.)	226 CID (3.7L) F226 Continental Flex 6 Cyl 226 CID (3.7L) FA226 Continental 6 Cyl 244 CID (4.0L) FA244 Continental 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm 3.313in./84.1mm x 4.375in./111.1mm 3.438in./87.33mm x 4.375in./111.1mm				15 (Cont.)
Main Bearing Set 1	TM-77	MS-440P-20 MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2-3		MB-1225P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5615/2.5622	1.3170
4		MB-1226P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.4890
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1, Contains Straight Shell Bearings								
Thrust Washer Set		TW-417S MB-1224FW	STD	2.4062			3.3125	0.1260
NOTE: Contains 1 Piece, Front, Position Number 1								
Thrust Washer Set		TW-418S MB-1224RW	STD	2.4030			3.3750	0.0950
NOTE: Contains 1 Piece, Position Number 1, Rear								
Cam Bearing Set 1	AL-3	SH-190S SH-1211	STD	1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging C/S Forging	F600D-310, F600D-402, F600D-405 F600C-217, F600C-344, F600C-368, F600C-502, F600C-504, F600C-536, F600C-601, F600C-500A, F600C-502A, F600C-506A, F600C-606A, F600C-606C							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
16	228 CID (3.7L) JXA Hercules 6 Cyl 320 CID (5.2L) JXD Hercules 6 Cyl 339 CID (5.6L) JXLD Hercules 6 Cyl			3.375in./85.7mm x 4.250in./108mm 4.000in./101.6mm x 4.250in./108mm 4.000in./101.6mm x 4.500in./114.3mm				16
Rod Bearing(6)	TM-112	CB-340P	STD, 10, 20, 30, 40	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640
NOTE: Contains 2 Shims								
Cam Bearing Set 1-4	B-1	SH-198S SH-197	STD	2.0530/2.0540	0.0005/0.0040	0.0668	2.1870/2.1880	1.1350
2-3		SH-198		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230
NOTE: From Engine Serial Number 501088								
Rod Forging C/S Forging	40090C, 40390C, 43102C, 44119C 43532, 40091E, 40094D, 40094E, 40950E, 40991E, 42947E, 42974E, 42979E, 43526D, 43526E, 43528B, 43528E, 43531E, 44025E, 45853D, 45853E, 45855E, 45857E, 45859B, 45859D, 45859E, 45868G, 46024E, 50024E, C-5145, 140025D, 140026D, 155025E, 220426C							
Connecting Rod	53 To 56 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
17	231 CID (3.8L) Waukesha 6 Cyl 231 CID (3.8L) Waukesha Diesel 6 Cyl			3.500in./88.9mm x 4.000in./101.6mm 3.500in./88.9mm x 4.000in./101.6mm				17
Rod Bearing(6)	TM-112	CB-451P	STD, 10, 20, 30, 40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560
Main Bearing Set 1-2-4	TM-112	MS-349P MB-1643P	STD, 10, 20	2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.5050
3		MB-1644P(F)		2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.7480
Cam Bearing Set 1	B-1	SH-330S SH-330	STD	1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
Piston Pin Bushing(12)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570
NOTE: 2 Per Rod, Requires Boring								
18	232 CID (3.8L) Waukesha 6 Cyl 232 CID (3.8L) Waukesha LPG 6 Cyl			3.625in./92.1mm x 3.750in./95.3mm 3.625in./92.1mm x 3.750in./95.3mm				18
Rod Bearing(6)	TM-112	CB-446P	STD, 10, 20	1.9990/2.0000	0.0005/0.0030	0.0617	2.1235/2.1240	1.1190
NOTE: Engines With 2.000" Crankpins								

OLIVER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
18 (Cont.)	232 CID (3.8L) Waukesha 6 Cyl				3.625in./92.1mm x 3.750in./95.3mm			18 (Cont.)
	232 CID (3.8L) Waukesha LPG 6 Cyl				3.625in./92.1mm x 3.750in./95.3mm			
Rod Bearing(6)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560
NOTE: Engines With 2.250" Crankpins								
Main Bearing Set 1-2-4	TM-112	MS-406P	STD,10,20,30	2.2490/2.2500	0.0002/0.0032	0.0854	2.4210/2.4220	1.3800
3		MB-1629P		2.2290/2.2300	0.0002/0.0032	0.0854	2.4210/2.4220	1.6230
		MB-1786P(F)						
Cam Bearing Set 1	B-1	SH-330S	STD	1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
		SH-330						
19	251 CID (4.1L) I251 Chrysler 6 Cyl				3.438in./87.33mm x 4.500in./114.3mm			19
	265 CID (4.3L) I265 Chrysler 6 Cyl				3.438in./87.33mm x 4.750in./120.7mm			
Rod Bearing(6)	TM-77	CB-90P	STD,1,10,20,30,40,C60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	1.0850
Main Bearing Set 1-2-3	TM-77	MS-107P	STD,10,20	2.4995/2.5005	0.0011/0.0036	0.0776	2.6565/2.6570	1.1810
4		MB-327P		2.4995/2.5005	0.0017/0.0042	0.0774	2.6565/2.6570	1.8710
		MB-328P(F)						
Cam Bearing Set 1	B-1	SH-37S	STD	1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-23		1.9665/1.9675	0.0005/0.0045	0.0652	2.0985/2.0995	1.0700
3		SH-37		1.9350/1.9360	0.0005/0.0044	0.0653	2.0670/2.0680	1.0690
		SH-38						
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
20	265 CID (4.3L) 1650,1655,1800 Flex 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm			20
Rod Bearing(6)	TM-112	CB-450P	STD,10	2.6240/2.6250	0.0009/0.0034	0.0952	2.8160/2.8165	1.1550
NOTE: Engines With 2.625" Crankpins,From Serial Number 147569								
Rod Bearing(6)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560
NOTE: Engines With 2.250" Crankpins								
Rod Bearing(6)	TM-112	CB-703P	STD,10,20,30,40	2.4365/2.4375	0.0005/0.0030	0.0755	2.5885/2.5890	1.1250
NOTE: Engines With 2.4375" Crankpins								
Main Bearing Set 1-2-4	TM-112	MS-349P	STD,10,20	2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.5050
3		MB-1643P		2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.7480
		MB-1644P(F)						
NOTE: Engines With Vane Oil Pump Only								
Cam Bearing Set 1	B-1	SH-330S	STD	1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
		SH-330						
21	265 CID (4.3L) 190DKB,190DLB,190DSB Waukesha Diesel 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm			21
	265 CID (4.3L) 190DLC,190KL Waukesha F Oil 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm			
	265 CID (4.3L) 190GL,190GLC,190GS,F265G Waukesha 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm			
	265 CID (4.3L) 190GLB Waukesha Flex 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm			
	265 CID (4.3L) F265G Waukesha Kero 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm			
	265 CID (4.3L) F265G Waukesha LPG 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm			
	302 CID (5.0L) 195GL Waukesha 6 Cyl				4.000in./101.6mm x 4.000in./101.6mm			
Rod Bearing(6)	TM-112	CB-450P	STD,10	2.6240/2.6250	0.0009/0.0034	0.0952	2.8160/2.8165	1.1550
NOTE: Engines With 2.625" Crankpins,From Serial Number 147569,From Serial Number 60500,From Serial Number 6503,Standard Engine								
Rod Bearing(6)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560
NOTE: Engines With 2.250" Crankpins								
Rod Bearing(6)	TM-112	CB-703P	STD,10,20,30,40	2.4365/2.4375	0.0005/0.0030	0.0755	2.5885/2.5890	1.1250
NOTE: Engines With 2.4375" Crankpins								
Main Bearing Set 1-2-4	TM-112	MS-349P	STD,10,20	2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.5050
3		MB-1643P		2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.7480
		MB-1644P(F)						
NOTE: 190111 Crank Vane Oil Pump ,Engines With Vane Oil Pump Only								
Cam Bearing Set 1	B-1	SH-330S	STD	1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
		SH-330						

OLIVER (Cont.)

OLIVER (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
21 (Cont.)	265 CID (4.3L) 190DKB,190DLB,190DSB Waukesha Diesel 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm				21 (Cont.)
	265 CID (4.3L) 190DLC,190KL Waukesha F Oil 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm				
	265 CID (4.3L) 190GL,190GLC,190GS,F265G Waukesha 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm				
	265 CID (4.3L) 190GLB Waukesha Flex 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm				
	265 CID (4.3L) F265G Waukesha Kero 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm				
	265 CID (4.3L) F265G Waukesha LPG 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm				
	302 CID (5.0L) 195GL Waukesha 6 Cyl				4.000in./101.6mm x 4.000in./101.6mm				
Piston Pin Bushing(12)		C-1	223-3514	STD	0.0450		1.3125/1.3130	0.5570	
NOTE: 2 Per Rod,Requires Boring									
Rod Forging		190107, 190307							
C/S Forging		190111, 190211, 191211, 191311, 195111, 195311, 192211B							
Connecting Rod		87 To 92 Lbs.Ft.							
Main Bearing		109 To 112 Lbs.Ft.							
22	265 CID (4.3L) 190KL Waukesha Kero 6 Cyl				3.750in./95.25mm x 4.000in./101.6mm				22
	265 CID (4.3L) VRG265 Waukesha 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm				
	265 CID (4.3L) VRG265 Waukesha LPG 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm				
Rod Bearing(6)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560	
Main Bearing Set 1-2-4	TM-112	MS-349P	STD,10,20						
		MB-1643P		2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.5050	
		MB-1644P(F)		2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.7480	
Cam Bearing Set 1	B-1	SH-330S	STD						
		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050	
Rod Forging		190107							
C/S Forging		190111, 190211, 191211, 191311							
Connecting Rod		87 To 92 Lbs.Ft.							
Main Bearing		109 To 112 Lbs.Ft.							
23	283 CID (4.6L) 1750 6 Cyl				3.875in./98.4mm x 4.000in./101.6mm				23
	283 CID (4.6L) 1800 Diesel 6 Cyl				3.875in./98.4mm x 4.000in./101.6mm				
	283 CID (4.6L) F283G,VRG283 Waukesha 6 Cyl				3.875in./98.4mm x 4.000in./101.6mm				
	283 CID (4.6L) F283G,VRG283 Waukesha LPG 6 Cyl				3.875in./98.4mm x 4.000in./101.6mm				
	283 CID (4.6L) VRD283 Waukesha Diesel 6 Cyl				3.875in./98.4mm x 4.000in./101.6mm				
	310 CID (5.1L) F310DBA,F310DB,VRD310 Waukesha Diesel 6 Cyl				3.875in./98.4mm x 4.375in./111.1mm				
	310 CID (5.1L) F310DBLT,F310DBT Waukesha Turbocharged Diesel 6 Cyl				3.875in./98.4mm x 4.375in./111.1mm				
Rod Bearing(6)	TM-112	CB-703P	STD,10,20,30,40	2.4365/2.4375	0.0005/0.0030	0.0755	2.5885/2.5890	1.1250	
Main Bearing Set 1-2-3-4-6-7	TM-112	MS-676P	STD,10,20,30						
		MB-2225P		2.6240/2.6250	0.0018/0.0048	0.0950	2.8165/2.8175	1.2550	
		MB-2226P(F)		2.6240/2.6250	0.0018/0.0048	0.0950	2.8165/2.8175	1.4980	
NOTE: .030" Undersize Set Contains .017" Oversize Length Flanged Bearing									
Cam Bearing Set 1-2-3-4	B-1	SH-614S	STD						
		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050	
24	302 CID (5.0L) 195DLC Waukesha Diesel 6 Cyl				4.000in./101.6mm x 4.000in./101.6mm				24
Rod Bearing(6)	TM-112	CB-450P	STD,10	2.6240/2.6250	0.0009/0.0034	0.0952	2.8160/2.8165	1.1550	
NOTE: Engines With 2.625" Crankpins									
Rod Bearing(6)	TM-112	CB-703P	STD,10,20,30,40	2.4365/2.4375	0.0005/0.0030	0.0755	2.5885/2.5890	1.1250	
NOTE: Engines With 2.4375" Crankpins									
Cam Bearing Set 1	B-1	SH-330S	STD						
		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050	
Piston Pin Bushing(6)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570	
NOTE: 2 Per Rod,Requires Boring									
C/S Forging		195311, 192211B							
Connecting Rod		87 To 92 Lbs.Ft.							
Main Bearing		109 To 112 Lbs.Ft.							
25	354 CID (5.8L) 6-354 Perkins Diesel 6 Cyl				3.877in./98.5mm x 5.000in./127mm				25
Rod Bearing	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550	

OLIVER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
25 (Cont.)	354 CID (5.8L) 6-354 Perkins Diesel 6 Cyl			3.877in./98.5mm x 5.000in./127mm				25 (Cont.)
Main Bearing Set 1-2-3-5-6-7 4	AL-3	MS-757AL MB-2221AL MB-2222AL	STD,10,20,30	2.9985/2.9990 2.9985/2.9990	0.0027/0.0052 0.0027/0.0052	0.0823 0.0823	3.1660/3.1670 3.1660/3.1670	1.2550 1.4450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-121S MB-2222W(L) MB-2222W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0910 0.0910
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4, Use With Part Number MS-757AL								
Thrust Washer Set		TW-316S MB-2636W(L) MB-2636W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0900 0.0900
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4								
Rod Forging C/S Forging	59554, 31337310, 31337180JGSB 3132302, 31322302							
Connecting Rod Main Bearing	65 To 70 Lbs.Ft. 145 To 150 Lbs.Ft.							
26	478 CID (7.8L) General Motors V6 Cyl (1960-1974)			5.125in./130.2mm x 3.859in./98mm				26
Rod Bearing(6) NOTE: 1962-1974, Undersize Bearings Can Be Used, But The Crankshaft Must Be Rehardened By The TUFFTRIDED Process	TM-77	CB-586P	STD,2,10,20,30,40,C60	2.8112/2.8122	0.0015/0.0040	0.1014	3.0160/3.0165	0.9400
Main Bearing Set 1-2-4 3	TM-77	MS-521P-10 MB-2009P MB-2010P(F)	20,40	3.1237/3.1247 3.1237/3.1247	0.0016/0.0046 0.0016/0.0046	0.0995 0.0995	3.3250/3.3260 3.3250/3.3260	1.1600 1.5290
NOTE: 1960-1972, Undersize Bearings Can Be Used, But The Crankshaft Must Be Rehardened By The TUFFTRIDED Process								
Rod Forging C/S Forging	2448949, 2474281, 2484084 672016, 2419583, 8877367							
Connecting Rod Main Bearing Main Bearing	65 To 75 Lbs.Ft. 130 To 140 Lbs.Ft. (Except Rear Bearing Cap) 85 To 95 Lbs.Ft. (Rear Bearing Cap)							

ONAN

ENGINE DATA									
Engine		Bore & Stroke		Block	Engine		Bore & Stroke		Block
		2 CYL					2 CYL (Cont.)		
CCK 50 CID (0.8L)		3.250in./82.6mmX3.000in./76.2mm		1	CCKB 50 CID (0.8L)		3.250in./82.6mmX3.000in./76.2mm		1
CCKA 50 CID (0.8L)		3.250in./82.6mmX3.000in./76.2mm		1					
CRANKSHAFT FORGING NUMBERS									
Forging No.		Stroke	Block	Forging No.		Stroke	Block		
P1428		3.000in./76.2mm	1	P1554		3.000in./76.2mm	1		
COUNTER DATA					SHOP DATA				
Bearing or Position		Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
2 CYL									
1	50 CID (0.8L) CCK,CCKA,CCKB 2 Cyl				3.250in./82.6mm x 3.000in./76.2mm				1
Rod Bearing(2)		TM-77	CB-666P	STD,10,20	1.6252/1.6260	0.0010/0.0026	0.0620	1.7505/1.7510	1.0000
Main Bearing Set		AL-3	MS-1500AL	STD,10					
1-2			MB-2814AL		1.9995/2.0000	0.0010/0.0045	0.0930	2.1870/2.1880	0.9950
1-2			MB-2528W		2.1250			2.7500	0.0950
NOTE: Some Engines Require A Full Round Bearing With 1 Oil Hole And A Flange On One Side. All Other Engines Require MB2814AL With 5 Oil Holes And No Flange., Contains (2) 1 Piece Thrust Washer Set, Use In Number 1 And 2 Postions, Use With Part Number TW-446S (2)									

ONAN (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
				2 CYL (Cont.)				
1 (Cont.)	50 CID (0.8L) CCK,CCKA,CCKB 2 Cyl			3.250in./82.6mm x 3.000in./76.2mm				1 (Cont.)
Thrust Washer Set(2) TW-446S STD MB-2528W				2.1250			2.7500	0.0950
NOTE: Contains 1 Piece, Position Number 1,Position Number 2, Use With Part Number MS-1500AL								
Cam Bearing Set 1-2	B-1	SH-692S SH-692	STD	1.3740/1.3745	0.0010/0.0050	0.0619	1.4995/1.5005	0.6970
C/S Forging P1428, P1554								
Connecting Rod 17 To 20 Lbs.Ft.								
Main Bearing 20 To 25 Lbs.Ft.								
OPEL								
ENGINE DATA								
Engine	Years	Bore & Stroke		Block	Engine	Years	Bore & Stroke	
4 CYL					6 CYL			
1698CC (1.7L)	1965-1972	3.465in./88mmX2.756in./70mm		1	2490CC (2.5L)	1972-1977	3.425in./87mmX2.756in./70mm	
1817CC (1.8L) SOHC Isuzu	1976-1979	3.307in./84mmX3.228in./82mm		2	2784CC (2.8L)	1972-1981	3.622in./92mmX2.756in./70mm	
1897CC (1.9L)	1965-1975	3.661in./93mmX2.756in./70mm		1				
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
1900	1897CC (1.9L)	1971-1974	1	Manta	1897CC (1.9L)	1973-1974	1	
Admiral	2784CC (2.8L)	1965-1979	3	Monza	2784CC (2.8L)	1965-1979	3	
Blitz	2490CC (2.5L)	1972-1979	3	Olympia	1698CC (1.7L)	1965-1972	1	
Caravan	1698CC (1.7L)	1965-1972	1	Olympia	1897CC (1.9L)	1965-1974	1	
Commodore	2490CC (2.5L)	1972-1979	3	Rekord	1698CC (1.7L)	1965-1972	1	
Commodore	2784CC (2.8L)	1965-1979	3	Rekord	1897CC (1.9L)	1965-1974	1	
Coupe	1698CC (1.7L)	1965-1972	1	Rekord	2784CC (2.8L)	1965-1979	3	
Diplomat	2784CC (2.8L)	1965-1979	3	Senator	2490CC (2.5L)	1972-1979	3	
GT	1897CC (1.9L)	1969-1973	1	Senator	2784CC (2.8L)	1965-1981	3	
Isuzu	1817CC (1.8L) SOHC Isuzu	1976-1979	2	Voyage	2490CC (2.5L)	1972-1979	3	
Kadett	1897CC (1.9L)	1965-1974	1					
CONNECTING ROD FORGING NUMBERS								
Forging No.	Stroke	Block						
161	2.756in./70mm	1						
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
				4 CYL				
1	1698CC (1.7L) 4 Cyl (1965-1972)			3.465in./88mm x 2.756in./70mm				1
	1897CC (1.9L) 4 Cyl (1965-1975)			3.661in./93mm x 2.756in./70mm				
Rod Bearing(4)	AL-3	CB-1173AL	STD,.25mm,.50mm	2.0460/2.0467	0.0011/0.0033	0.0590	2.1653/2.1658	0.7720
Cam Bearing Set 1	B-1	SH-796S SH-813	STD	1.9266/1.9272	0.0007/0.0045	0.0990	2.1063/2.1075	0.9440
2		SH-814		1.9167/1.9173	0.0007/0.0045	0.0990	2.0964/2.0976	0.7280
3		SH-816		1.9069/1.9075	0.0007/0.0045	0.0940	2.0768/2.0779	0.7280
NOTE: 1897CC (1.9L) (1965-1971),1698CC (1.7L) (1965-1971), 3 Camshaft Bearing Engines								
Rod Forging 161								
Connecting Rod 36 Lbs.Ft.								
Main Bearing 72 Lbs.Ft.								
2	1817CC (1.8L) SOHC Isuzu 4 Cyl (1976-1979)			3.307in./84mm x 3.228in./82mm				2
Rod Bearing(4)	TM-77	CB-1654P	STD,.25mm,.50mm,.75mm,1.00mm	1.9262/1.9268	0.0012/0.0040	0.0596	2.0466/2.0472	0.8460

OPEL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
2 (Cont.)	1817CC (1.8L) SOHC Isuzu 4 Cyl (1976-1979)				3.307in./84mm x 3.228in./82mm			2 (Cont.)
Main Bearing Set	TM-1	MS-1298G	STD, .25mm, .50mm, .75mm, 1.00mm					
1-3-5		MB-974G		2.2016/2.2022	0.0009/0.0039	0.0596	2.3220/2.3228	1.2600
2-4		MB-975G		2.2016/2.2022	0.0009/0.0039	0.0596	2.3220/2.3228	0.8270
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Thrust Washer Set		TW-451S	STD					
		MB-3061W		2.5197			3.1575	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1298G								
Connecting Rod	33 Lbs.Ft.							
Main Bearing	72 Lbs.Ft.							

6 CYL

3	2490CC (2.5L) 6 Cyl (1972-1977)				3.425in./87mm x 2.756in./70mm			3
	2784CC (2.8L) 6 Cyl (1972-1981)				3.622in./92mm x 2.756in./70mm			
Rod Bearing(6)	AL-3	CB-1173AL	STD, .25mm, .50mm	2.0460/2.0467	0.0011/0.0033	0.0590	2.1653/2.1658	0.7720
Connecting Rod	19 Lbs.Ft.							
Main Bearing	45 Lbs.Ft.							

PERKINS

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
3 CYL			4 CYL (Cont.)		
3-135 135 CID (2.2L) Diesel	3.600in./91.4mmX5.000in./127mm	1	AG4-212 212 CID (3.5L) Diesel	3.661in./93mmX5.000in./127mm	5
3-152 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	1	AG4-236 236 CID (3.9L)	3.858in./98mmX5.000in./127mm	6
3-205 205 CID (3.4L) Diesel	3.661in./93mmX5.000in./127mm	1	D4-203 203 CID (3.3L) Diesel	3.583in./91mmX5.000in./127mm	4
3-144 144 CID/2360CC (2.4L) Diesel	3.500in./88.9mmX5.000in./127mm	1	D4-270 270 CID (4.4L) Diesel	4.252in./108mmX4.764in./121mm	8
A3-152 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	1			
AD3-152 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	1	6 CYL		
AD3-152S 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	1	6-306 306 CID (5.0L) Diesel	3.602in./91.5mmX5.000in./127mm	10
AG3-152 152 CID (2.5L)	3.600in./91.4mmX5.000in./127mm	1	6-354 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	11
D3-152 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	1	6-354.2 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	11
P3-144 144 CID (2.4L) Diesel	3.504in./89mmX5.000in./127mm	1	6-354.3 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	12
			6-354.4 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	12
4 CYL			6-372.4 372 CID (6.1L) Diesel	3.858in./98mmX5.276in./134mm	12
4-99 99 CID (1.6L) Diesel	2.992in./76mmX3.465in./88mm	2	6-288 288 CID (4.7L) Diesel	3.504in./89mmX5.000in./127mm	10
4-107 107 CID (1.8L) Diesel	3.125in./79.4mmX3.465in./88mm	3	6-305 305 CID (5.0L) Diesel	3.600in./91.4mmX5.000in./127mm	10
4-108 108 CID (1.8L) Diesel	3.125in./79.4mmX3.465in./88mm	2	6-372 372 CID (6.1L) Diesel	3.978in./101mmX5.276in./134mm	11
4-192 192 CID (3.1L) Diesel	3.504in./89mmX5.000in./127mm	4	1300 Series Peregrine Navistar 466 CID	4.300in./109.2mmX5.350in./135.9mm	14
4-203 203 CID (3.3L) Diesel	3.583in./91mmX5.000in./127mm	4	(7.6L) Diesel Turbocharged		
4-212 212 CID (3.5L) Diesel	3.661in./93mmX5.000in./127mm	5	1300 Series Peregrine Navistar 530 CID	4.587in./116.5mmX5.350in./135.9mm	14
4-236 236 CID (3.9L) Diesel	3.875in./98.4mmX5.000in./127mm	6	(8.7L) Diesel Turbocharged		
4-248 248 CID (4.1L) Diesel	3.976in./101mmX5.000in./127mm	7	A6-354 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	11
4-270 270 CID (4.4L) Diesel	4.252in./108mmX4.764in./121mm	8	AT6-354 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	13
4-288 192 CID (3.1L) Diesel	3.504in./89mmX5.000in./127mm	4	Turbocharged		
4-300 301 CID (4.9L) Diesel	4.488in./114mmX4.764in./121mm	8	ATC6-354 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	13
4-318 318 CID/5215CC (5.2L) Diesel	4.500in./114.3mmX5.000in./127mm	9	Turbocharged		
A4-107 107 CID (1.8L) Diesel	3.125in./79.4mmX3.465in./88mm	3	H6-354 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	11
A4-192 192 CID (3.1L) Diesel	3.504in./89mmX5.000in./127mm	4	P6 288 CID (4.7L) Diesel	3.504in./89mmX5.000in./127mm	10
A4-203 203 CID (3.3L) Diesel	3.583in./91mmX5.000in./127mm	4	T6-354 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	13
A4-212 212 CID (3.5L) Diesel	3.661in./93mmX5.000in./127mm	5	Turbocharged		
A4-236 236 CID (3.9L) Diesel	3.858in./98mmX5.000in./127mm	6	8 CYL		
A4-248 248 CID (4.1L) Diesel	3.976in./101mmX5.000in./127mm	7	V8-510 510 CID (8.4L) Diesel	4.252in./108mmX4.488in./114mm	15
A4-270 270 CID (4.4L) Diesel	4.252in./108mmX4.764in./121mm	8	V8-540 540 CID (8.8L) Diesel	4.252in./108mmX4.764in./121mm	15
A4-318 318 CID/5215CC (5.2L) Diesel	4.500in./114.3mmX5.000in./127mm	9	V8-605 Series 605 CID (9.9L) Diesel	4.488in./114mmX4.764in./121mm	15
AD4-203 203 CID (3.3L) Diesel	3.583in./91mmX5.000in./127mm	4			

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
52813	5.000in./127mm	1	59554	5.000in./127mm	6	59554	5.000in./127mm	12	31337140	5.000in./127mm	1
52813	5.000in./127mm	4	59554	5.000in./127mm	7	59554	5.276in./134mm	12	31337140	5.000in./127mm	4
59554	5.000in./127mm	5	59554	5.000in./127mm	11	59554	5.276in./134mm	11	31337180JGSB	5.000in./127mm	5

PERKINS (Cont.)

CONNECTING ROD FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
31337180JGSB	5.000in./127mm	6	31337180JGSB	5.276in./134mm	11	31337290	4.764in./121mm	15	31337310	5.000in./127mm	12
31337180JGSB	5.000in./127mm	7	31337220	5.000in./127mm	1	31337310	5.000in./127mm	5	31337310	5.276in./134mm	12
31337180JGSB	5.000in./127mm	11	31337220	5.000in./127mm	4	31337310	5.000in./127mm	6	31337310	5.276in./134mm	11
31337180JGSB	5.000in./127mm	12	31337240	3.465in./88mm	3	31337310	5.000in./127mm	7			
31337180JGSB	5.276in./134mm	12	31337240	3.465in./88mm	2	31337310	5.000in./127mm	11			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3132302	5.000in./127mm	11	31315841	5.000in./127mm	9	31315952	5.000in./127mm	9	31322302	5.000in./127mm	11
3132302	5.000in./127mm	12	31315843	5.000in./127mm	9	31315971	5.000in./127mm	9	31322302	5.000in./127mm	12
3132302	5.276in./134mm	12	31315881	5.000in./127mm	5	31316323	5.000in./127mm	9	31322302	5.276in./134mm	12
3132302	5.276in./134mm	11	31315881	5.000in./127mm	6	31316324	5.000in./127mm	9	31322302	5.276in./134mm	11
31315127	5.000in./127mm	4	31315881	5.000in./127mm	7	31316325	5.000in./127mm	9			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

3 CYL

1	135 CID (2.2L) 3-135 Diesel 3 Cyl	3.600in./91.4mm x 5.000in./127mm	1
	144 CID (2.4L) P3-144 Diesel 3 Cyl	3.504in./89mm x 5.000in./127mm	
	144 CID/2360CC (2.4L) 3.144 Diesel 3 Cyl	3.500in./88.9mm x 5.000in./127mm	
	152 CID (2.5L) 3-152,A3-152,AD3-152,AD3-152S,D3-152 Diesel 3 Cyl	3.600in./91.4mm x 5.000in./127mm	
	152 CID (2.5L) AG3-152 3 Cyl	3.600in./91.4mm x 5.000in./127mm	
	205 CID (3.4L) 3-205 Diesel 3 Cyl	3.661in./93mm x 5.000in./127mm	

Rod Bearing(3)	AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900

Main Bearing Set	AL-3	MS-772AL	STD,10,20,30					
1		MB-2186AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.3050
2-3		MB-2187AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.0000
4		MB-2302AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.6050

Thrust Washer Set		TW-119S	STD					
		MB-2188W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230

NOTE: From Engine Serial Number 1400250,Thru Eng Serial Number 1412719, Contains 4 Pieces, Position Number 4

Thrust Washer Set		TW-128S	STD					
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230

NOTE: Thru Engine Serial Number 1400250, Contains 2 Pieces, Position Number 4

Thrust Washer Set		TW-130S	STD					
		MB-2292W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2292W(U)		3.0450/3.0550			3.5520/3.5620	0.1230

NOTE: From Eng Serial Number 1412720, Contains 4 Pieces, Position Number 4

Piston Pin	C-1	223-3594	STD			0.8500	1.3757/1.3762	1.0630
Bushing(3)								

NOTE: Requires Boring

Rod Forging	52813, 31337140, 31337220							

Connecting Rod	70 To 80 Lbs.Ft.							

Main Bearing	110 To 120 Lbs.Ft.							

4 CYL

2	99 CID (1.6L) 4-99 Diesel 4 Cyl	2.992in./76mm x 3.465in./88mm	2
	108 CID (1.8L) 4-108 Diesel 4 Cyl	3.125in./79.4mm x 3.465in./88mm	

Rod Bearing(4)	AL-3	CB-652AL	STD,10,20,30	1.9995/2.0000	0.0017/0.0037	0.0724	2.1460/2.1465	0.8800

Main Bearing Set	AL-3	MS-1037AL	STD,10,20					
1-2-3		MB-2573AL		2.2480/2.2485	0.0020/0.0040	0.0724	2.3950/2.3955	1.2550

Thrust Washer Set		TW-115S	STD					
		MB-2176W(L)		2.5900/2.6000			3.2450/3.2550	0.0910
		MB-2176W(U)		2.5900/2.6000			3.2450/3.2550	0.0910

NOTE: Contains 3 Piece Thrust Washer Set, Position Number 3, Use With Part Number MS-1037AL

Rod Forging	31337240							

Connecting Rod	30 To 35 Lbs.Ft.							

Main Bearing	80 To 85 Lbs.Ft.							

3	107 CID (1.8L) 4-107,A4-107 Diesel 4 Cyl	3.125in./79.4mm x 3.465in./88mm						3

Rod Bearing(4)	AL-3	CB-652AL	STD,10,20,30	1.9995/2.0000	0.0017/0.0037	0.0724	2.1460/2.1465	0.8800

PERKINS (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
3 (Cont.)	107 CID (1.8L) 4-107,A4-107 Diesel 4 Cyl			3.125in./79.4mm x 3.465in./88mm				3 (Cont.)
Main Bearing Set 1-2-3	AL-3	MS-1037AL MB-2573AL	STD,10,20	2.2480/2.2485	0.0020/0.0040	0.0724	2.3950/2.3955	1.2550
Thrust Washer Set		TW-115S MB-2176W(L) MB-2176W(U)	STD	2.5900/2.6000 2.5900/2.6000			3.2450/3.2550 3.2450/3.2550	0.0910 0.0910
NOTE: Contains 3 Piece Thrust Washer Set, Position Number 3, Use With Part Number MS-1037AL								
Piston Pin Bushing(4)	C-1	223-3639	STD			0.0820	1.2187/1.2204	0.9551
Rod Forging	31337240							
Connecting Rod Main Bearing	30 To 35 Lbs.Ft. 80 To 85 Lbs.Ft.							
4	192 CID (3.1L) 4-192,4-288,A4-192 Diesel 4 Cyl			3.504in./89mm x 5.000in./127mm				4
	203 CID (3.3L) 4-203,A4-203,AD4-203,D4-203 Diesel 4 Cyl			3.583in./91mm x 5.000in./127mm				
Rod Bearing(4)	AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900
Main Bearing Set 1	AL-3	MS-773AL MB-2186AL	STD,10,20,30	2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.3050
2-4		MB-2187AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.0000
3-5		MB-2302AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.6050
Thrust Washer Set		TW-119S MB-2188W(L) MB-2188W(U)	STD	3.0450/3.0550 3.0450/3.0550			3.5520/3.5620 3.5520/3.5620	0.1230 0.1230
NOTE: From Engine Serial Number 2096900,Thru Eng. Serial No. 2105859, Contains 4 Pieces, Position Number 5								
Thrust Washer Set		TW-128S MB-2188W(U)	STD	3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: Thru Eng. Serial No. 2096899, Contains 2 Pieces, Position Number 5								
Thrust Washer Set		TW-130S MB-2292W(L) MB-2292W(U)	STD	3.0450/3.0550 3.0450/3.0550			3.5520/3.5620 3.5520/3.5620	0.1230 0.1230
NOTE: From Engine Serial Number 2105860, Contains 4 Pieces, Position Number 5								
Piston Pin Bushing(4)	C-1	223-3594	STD			0.8500	1.3757/1.3762	1.0630
NOTE: Requires Boring								
Rod Forging	52813, 31337140, 31337220							
C/S Forging	31315127							
Connecting Rod Main Bearing	70 To 80 Lbs.Ft. 110 To 120 Lbs.Ft.							
5	212 CID (3.5L) 4-212,A4-212,AG4-212 Diesel 4 Cyl			3.661in./93mm x 5.000in./127mm				5
Rod Bearing(4)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set 1-2-4-5	AL-3	MS-830AL MB-2221AL	STD,10,20,30	2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2550
3		MB-2222AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-121S MB-2222W(L) MB-2222W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0910 0.0910
NOTE: Thru Engine Serial Number 4203049, Contains 4 Pieces, Position Number 3, Use With Part Number MS-830AL								
Thrust Washer Set		TW-316S MB-2636W(L) MB-2636W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0900 0.0900
NOTE: From Engine Serial Number 4203050, Contains 4 Pieces, Position Number 3, Use With Part Number MS-830AL								
Rod Forging	59554, 31337310, 31337180JGSB							
C/S Forging	31315881							
Connecting Rod Main Bearing	65 To 70 Lbs.Ft. 140 To 150 Lbs.Ft.							

PERKINS (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
6	236 CID (3.9L) 4-236 Diesel 4 Cyl			3.875in./98.4mm x 5.000in./127mm				6
	236 CID (3.9L) A4-236 Diesel 4 Cyl			3.858in./98mm x 5.000in./127mm				
	236 CID (3.9L) AG4-236 4 Cyl			3.858in./98mm x 5.000in./127mm				
Rod Bearing(4)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set 1-2-4-5	AL-3	MS-830AL	STD,10,20,30	2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2550
3		MB-2221AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-121S	STD	3.4200/3.4300			4.0880/4.0980	0.0910
		MB-2222W(L)		3.4200/3.4300			4.0880/4.0980	0.0910
NOTE: Thru Engine Serial Number 4203049, Contains 4 Pieces, Position Number 3, Use With Part Number MS-830AL								
Thrust Washer Set		TW-316S	STD	3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(L)		3.4200/3.4300			4.0880/4.0980	0.0900
NOTE: From Engine Serial Number 4203050, Contains 4 Pieces, Position Number 3, Use With Part Number MS-830AL								
Piston Pin Bushing(4)	C-1	223-3641	STD			0.0830	1.6562/1.6568	1.3360
Rod Forging	59554, 31337310, 31337180JGSB							
C/S Forging	31315881							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	140 To 150 Lbs.Ft.							
7	248 CID (4.1L) 4-248,A4-248 Diesel 4 Cyl			3.976in./101mm x 5.000in./127mm				7
Rod Bearing(4)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set 1-2-4-5	AL-3	MS-830AL	STD,10,20,30	2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2550
3		MB-2221AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-121S	STD	3.4200/3.4300			4.0880/4.0980	0.0910
		MB-2222W(L)		3.4200/3.4300			4.0880/4.0980	0.0910
NOTE: Thru Engine Serial Number 4203049, Contains 4 Pieces, Position Number 3, Use With Part Number MS-830AL								
Thrust Washer Set		TW-316S	STD	3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(L)		3.4200/3.4300			4.0880/4.0980	0.0900
NOTE: From Engine Serial Number 4203050, Contains 4 Pieces, Position Number 3, Use With Part Number MS-830AL								
Piston Pin Bushing(4)	C-1	223-3640	STD			0.0870	1.5318/1.5323	1.3360
Rod Forging	59554, 31337310, 31337180JGSB							
C/S Forging	31315881							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	140 To 150 Lbs.Ft.							
8	270 CID (4.4L) 4-270,A4-270,D4-270 Diesel 4 Cyl			4.252in./108mm x 4.764in./121mm				8
	301 CID (4.9L) 4-300 Diesel 4 Cyl			4.488in./114mm x 4.764in./121mm				
Rod Bearing(4)	TM-112	CB-751P	STD,10	2.7482/2.7490	0.0025/0.0053	0.0825	2.9160/2.9170	1.3780
NOTE: From Engine Serial Number 6200250								
Thrust Washer Set		TW-121S	STD	3.4200/3.4300			4.0880/4.0980	0.0910
		MB-2222W(L)		3.4200/3.4300			4.0880/4.0980	0.0910
NOTE: From Engine Serial Number 6200250, Contains 4 Pieces, Position Number 3								
9	318 CID/5215CC (5.2L) 4.318,A4.318 Diesel 4 Cyl			4.500in./114.3mm x 5.000in./127mm				9
Rod Bearing	TM-112	CB-751P	STD,10	2.7482/2.7490	0.0025/0.0053	0.0825	2.9160/2.9170	1.3780

PERKINS (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
9 (Cont.)	318 CID/5215CC (5.2L) 4.318,A4.318 Diesel 4 Cyl			4.500in./114.3mm x 5.000in./127mm				9 (Cont.)
Main Bearing Set 1-2-4-5 3	AL-3	MS-830AL MB-2221AL MB-2222AL	STD,10,20,30	2.9985/2.9990 2.9985/2.9990	0.0027/0.0052 0.0027/0.0052	0.0823 0.0823	3.1660/3.1670 3.1660/3.1670	1.2550 1.4450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-316S								
Thrust Washer Set		TW-316S MB-2636W(L) MB-2636W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0900 0.0900
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 3 Position, Use With Part Number MS-830AL								
C/S Forging 31315841, 31315843, 31315952, 31315971, 31316323, 31316324, 31316325								
Connecting Rod 105 Lbs.Ft. Main Bearing								
6 CYL								
10	288 CID (4.7L) 6.288,P6 Diesel 6 Cyl 305 CID (5.0L) 6.305 Diesel 6 Cyl 306 CID (5.0L) 6-306 Diesel 6 Cyl			3.504in./89mm x 5.000in./127mm 3.600in./91.4mm x 5.000in./127mm 3.602in./91.5mm x 5.000in./127mm				10
Rod Bearing(6)	AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900
Thrust Washer Set		TW-119S MB-2188W(L) MB-2188W(U)	STD	3.0450/3.0550 3.0450/3.0550			3.5520/3.5620 3.5520/3.5620	0.1230 0.1230
NOTE: From Engine Serial Number 3280000,Thru Eng. Serial No. 3294767, Contains 4 Piece Thrust Washer Set, Use In Number 7 Position								
Thrust Washer Set		TW-128S MB-2188W(U)	STD	3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: Thru Eng. Serial No. 3279999, Contains 2 Piece Thrust Washer Set, Use In Number 7 Position								
Thrust Washer Set		TW-130S MB-2292W(L) MB-2292W(U)	STD	3.0450/3.0550 3.0450/3.0550			3.5520/3.5620 3.5520/3.5620	0.1230 0.1230
NOTE: From Engine Serial Number 3294768, Contains 4 Piece Thrust Washer Set, Use In Number 7 Position								
Piston Pin Bushing(6)	C-1	223-3594	STD			0.8500	1.3757/1.3762	1.0630
NOTE: Requires Boring								
Connecting Rod 70 To 80 Lbs.Ft. Main Bearing 110 To 120 Lbs.Ft.								
11	354 CID (5.8L) 6-354.2,6-354,A6-354,H6-354 Diesel 6 Cyl 372 CID (6.1L) 6.372 Diesel 6 Cyl			3.877in./98.5mm x 5.000in./127mm 3.978in./101mm x 5.276in./134mm				11
Rod Bearing(6)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set 1-2-3-5-6-7 4	AL-3	MS-757AL MB-2221AL MB-2222AL	STD,10,20,30	2.9985/2.9990 2.9985/2.9990	0.0027/0.0052 0.0027/0.0052	0.0823 0.0823	3.1660/3.1670 3.1660/3.1670	1.2550 1.4450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Numbers TW-121S,TW-316S								
Thrust Washer Set		TW-121S MB-2222W(L) MB-2222W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0910 0.0910
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4, Use With Part Number MS-757AL								
Thrust Washer Set		TW-316S MB-2636W(L) MB-2636W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0900 0.0900
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4, Use With Part Number MS-757AL								
Piston Pin Bushing(6)	C-1	223-3641	STD			0.0830	1.6562/1.6568	1.3360
Rod Forging 59554, 31337310, 31337180JGSB C/S Forging 3132302, 31322302								
Connecting Rod 65 To 70 Lbs.Ft. Main Bearing 145 To 150 Lbs.Ft.								

PERKINS (Cont.)

PERKINS (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
12	354 CID (5.8L) 6-354.3,6-354.4 Diesel 6 Cyl			3.877in./98.5mm x 5.000in./127mm					12
	372 CID (6.1L) 6-372.4 Diesel 6 Cyl			3.858in./98mm x 5.276in./134mm					
Rod Bearing(6)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550	
Main Bearing Set	AL-3	MS-1548AL	STD,10	2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2400	
1-2-3-5-6-7		MB-2789AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4400	
4		MB-2790AL							
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-316S									
Thrust Washer Set		TW-316S	STD	3.4200/3.4300			4.0880/4.0980	0.0900	
		MB-2636W(L)		3.4200/3.4300			4.0880/4.0980	0.0900	
		MB-2636W(U)							
NOTE: From Engine Serial Number 8504190, Contains 4 Piece Thrust Washer Set, Use In Number 4 Position, Use With Part Number MS-1548AL									
Piston Pin Bushing(6)	C-1	223-3641	STD			0.0830	1.6562/1.6568	1.3360	
Rod Forging	59554, 31337310, 31337180JGSB								
C/S Forging	3132302, 31322302								
Connecting Rod	75 Lbs.Ft. (Cadmium Plated Bolts)								
Connecting Rod	95 Lbs.Ft. (Phosphated Bolts)								
Main Bearing	200 Lbs.Ft.								
13	354 CID (5.8L) AT6-354,ATC6-354,T6-354 Turbocharged Diesel 6 Cyl			3.877in./98.5mm x 5.000in./127mm					13
Rod Bearing(6)	AL-3	CB-1209AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550	
Main Bearing Set	AL-3	MS-757AL	STD,10,20,30	2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2550	
1-2-3-5-6-7		MB-2221AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4450	
4		MB-2222AL							
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Numbers TW-121S,TW-316S									
Thrust Washer Set		TW-121S	STD	3.4200/3.4300			4.0880/4.0980	0.0910	
		MB-2222W(L)		3.4200/3.4300			4.0880/4.0980	0.0910	
		MB-2222W(U)							
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4									
Thrust Washer Set		TW-316S	STD	3.4200/3.4300			4.0880/4.0980	0.0900	
		MB-2636W(L)		3.4200/3.4300			4.0880/4.0980	0.0900	
		MB-2636W(U)							
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4									
Piston Pin Bushing(6)	C-1	223-3641	STD			0.0830	1.6562/1.6568	1.3360	
14	466 CID (7.6L) 1300 Series Peregrine Navistar Turbocharged Diesel 6 Cyl			4.300in./109.2mm x 5.350in./135.9mm					14
	530 CID (8.7L) 1300 Series Peregrine Navistar Turbocharged Diesel 6 Cyl			4.587in./116.5mm x 5.350in./135.9mm					
Rod Bearing(6)	TM-77	CB-1659P	STD,10,20	3.1493/3.1506	0.0018/0.0051	0.0996	3.3516/3.3526	1.4400	
Main Bearing Set	TM-77	MS-2096P	STD,10,20	3.5344/3.5356	0.0018/0.0051	0.1556	3.8486/3.8496	1.3510	
1-2-3-4-5-6		MB-3555P		3.5344/3.5356	0.0018/0.0051	0.1556	3.8486/3.8496	1.7000	
7		MB-3556P(F)							
8 CYL									
15	510 CID (8.4L) V8-510 Diesel V8 Cyl			4.252in./108mm x 4.488in./114mm					15
	540 CID (8.8L) V8-540 Diesel V8 Cyl			4.252in./108mm x 4.764in./121mm					
	605 CID (9.9L) V8-605 Series Diesel V8 Cyl			4.488in./114mm x 4.764in./121mm					
Main Bearing Set	AL-3	MS-1207AL	STD,10	3.9967/3.9972	0.0037/0.0062	0.0920	4.1850/4.1860	1.3800	
1-3-5		MB-756AL		3.9967/3.9972	0.0037/0.0062	0.0920	4.1850/4.1860	1.6300	
2-4		MB-757AL							
NOTE: Requires Thrust Washer Set, Not Included									
Rod Forging	31337290								
Connecting Rod	105 Lbs.Ft. (540 CID (8.8L) V8-540,605 CID (9.9L) V8-605 Series)								
Connecting Rod	95 Lbs.Ft. (510 CID (8.4L) V8-510)								
Main Bearing	100 Lbs.Ft. (540 CID (8.8L) V8-540,605 CID (9.9L) V8-605 Series)(1/2" Side Bolts, Letter W Stamped Set Screw)								
Main Bearing	140 Lbs.Ft. (510 CID (8.4L) V8-510)								
Main Bearing	210 Lbs.Ft. (540 CID (8.8L) V8 540,605 CID (9.9L) V8-605 Series)(5/8" Bolts)								
Main Bearing	75 Lbs.Ft. (540 CID (8.8L) V8-540,605 CID (9.9L) V8-605 Series)(1/2" Side Bolts, Letter W Stamped Set Screw)								

PEUGEOT

ENGINE DATA

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				6 CYL			
2112CC (2.1L) XD90 Diesel	1974-1976	3.543in./90mmX3.268in./83mm	1	2664CC (2.7L) ZM	1977-1978	3.465in./88mmX2.874in./73mm	5
2165CC (2.2L) ZDJL	1985-1991	3.465in./88mmX3.504in./89mm	2	2849CC (2.8L) ZN3J	1979-1991	3.583in./91mmX2.874in./73mm	5
2304CC (2.3L) XD2 Diesel	1977-1983	3.701in./94mmX3.268in./83mm	3				
2304CC (2.3L) XD2S Turbo Turbocharged Diesel	1980-1984	3.701in./94mmX3.268in./83mm	3				
2498CC (2.5L) XD3T Turbo Turbocharged Diesel	1985-1987	3.701in./94mmX3.543in./90mm	4				

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
504	2112CC (2.1L) XD90 Diesel	1974-1976	1	505	2849CC (2.8L) ZN3J	1987-1991	5
504	2304CC (2.3L) XD2 Diesel	1977-1983	3	604	2304CC (2.3L) XD2S Turbo Diesel	1981-1984	3
505	2165CC (2.2L) ZDJL	1985-1991	2	604	2664CC (2.7L) ZM	1977-1978	5
505	2304CC (2.3L) XD2 Diesel	1980-1984	3	604	2849CC (2.8L) ZN3J	1979-1981	5
505	2304CC (2.3L) XD2S Turbo Diesel	1980-1985	3				
505	2498CC (2.5L) XD3T Turbo Diesel	1985-1987	4				

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	2112CC (2.1L) XD90 Diesel 4 Cyl (1974-1976)				3.543in./90mm x 3.268in./83mm			1
Rod Bearing(4)	AL-3	CB-741AL	STD.,50mm	1.9679/1.9685	0.0026/0.0043	0.0717	2.1140/2.1145	1.1420
Thrust Washer Set		TW-151S MB-2395W(L) MB-2395W(U)	STD	2.4400/2.4500 2.4400/2.4500			3.1390/3.1496 3.1390/3.1496	0.0920 0.0920
NOTE: Contains 4 Pieces, Position Number 3								
Connecting Rod	43 Lbs.Ft.							
Main Bearing	80 Lbs.Ft.							

2	2165CC (2.2L) ZDJL 4 Cyl (1985-1991)				3.465in./88mm x 3.504in./89mm			2
Rod Bearing(4)	AL-3	CB-1311AL	STD.,25mm	2.2152/2.2160	0.0017/0.0043	0.0725	2.3622/2.3630	0.8170
Main Bearing Set 1-2-3-4-5	AL-3	MS-1604AL MB-2948AL	STD.,25mm	2.4753/2.4761	0.0005/0.0031	0.0742	2.6247/2.6255	0.9250
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-343S								
Thrust Washer Set		TW-343S MB-2779W	STD	2.8031/2.8130			3.4583/3.4681	0.1120
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1604AL								
Connecting Rod	46 Lbs.Ft.							
Main Bearing	69 Lbs.Ft.							

3	2304CC (2.3L) XD2 Diesel 4 Cyl (1977-1983)				3.701in./94mm x 3.268in./83mm				3
	2304CC (2.3L) XD2S Turbo Turbocharged Diesel 4 Cyl (1980-1984)				3.701in./94mm x 3.268in./83mm				
Rod Bearing(4) NOTE: Thru 6/81	AL-3	CB-741AL	STD.,50mm	1.9679/1.9685	0.0026/0.0043	0.0717	2.1140/2.1145	1.1420	
Rod Bearing(4) NOTE: From 7/81	AL-3	CB-1168AL	STD.,30mm	2.1651/2.1662	0.0028/0.0054	0.0720	2.3125/2.3130	1.1420	
Main Bearing Set NOTE: From 7/81, Requires Thrust Washer Set, Not Included, Use With Part Number TW-344S	AL-3	MS-1542AL-.30mm							
Thrust Washer Set		TW-344S	STD						
		MB-2781W(L)		2.6378			3.3465	0.0920	
		MB-2781W(U)		2.6378			3.3465	0.0920	
NOTE: From 7/81, Contains 4 Pieces, Position Number 4, Use With Part Number MS-1542AL									
Connecting Rod	43 Lbs.Ft.								
Main Bearing	80 Lbs.Ft.								

4	2498CC (2.5L) XD3T Turbo Turbocharged Diesel 4 Cyl (1985-1987)				3.701in./94mm x 3.543in./90mm			4
Rod Bearing(4)	AL-3	CB-1168AL	STD.,30mm	2.1651/2.1662	0.0028/0.0054	0.0720	2.3125/2.3130	1.1420

PEUGEOT (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
4 (Cont.)	2498CC (2.5L) XD3T Turbo Turbocharged Diesel 4 Cyl (1985-1987)				3.701in./94mm x 3.543in./90mm			4 (Cont.)
Main Bearing Set AL-3 MS-1542AL-.30mm NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-344S								
Thrust Washer Set TW-344S STD MB-2781W(L) MB-2781W(U)				2.6378 2.6378			3.3465 3.3465	0.0920 0.0920
NOTE: Contains 4 Pieces, Position Number 4								
Connecting Rod 43 Lbs.Ft. Main Bearing 80 Lbs.Ft.								
6 CYL								
5	2664CC (2.7L) ZM V6 Cyl (1977-1978) 2849CC (2.8L) ZN3J V6 Cyl (1979-1991)				3.465in./88mm x 2.874in./73mm 3.583in./91mm x 2.874in./73mm			5
Rod Bearing(6) AL-3 CB-1186AL STD NOTE: 2849CC (2.8L) ZN3J (1979-1981;1987-1991),2664CC (2.7L) ZM (1977-1978)				2.0577/2.0585	0.0012/0.0035	0.0724	2.2047/2.2055	0.6950
Main Bearing Set AL-3 MS-1394AL STD 1-2-3-4 MB-2700AL NOTE: 2849CC (2.8L) ZN3J (1979-1981;1987-1991),2664CC (2.7L) ZM (1977-1978), Requires Thrust Washer Set, Not Included, Use With Part Number TW-308S				2.7576/2.7583	0.0008/0.0030	0.0772	2.9134/2.9141	0.9240
Thrust Washer Set TW-308S STD MB-2700W(L) MB-2700W(U)				2.9330/2.9429 2.9330/2.9429			3.5140/3.5240 3.5140/3.5240	0.0930 0.0930
NOTE: 2849CC (2.8L) ZN3J (1979-1981;1987-1991),2664CC (2.7L) ZM (1977-1978), Contains 4 Pieces, Position Number 4, Use With Part Number MS-1394AL								
Connecting Rod 33 To 37 Lbs.Ft. Main Bearing 22 To 26 Lbs.Ft. Plus 75 Degrees								
PININFARINA								
ENGINE DATA								
Engine		Years	Block					
4 CYL								
1995CC (2.0L) 132C2 DOHC Fiat		1983-1987	1					
MODEL DATA								
Model		Engine	Years	Block				
Spider		1995CC (2.0L) 132C2 DOHC Fiat	1983-1987	1				
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1995CC (2.0L) 132C2 DOHC Fiat 4 Cyl (1983-1987)				3.307in./84mm x 3.543in./90mm			1
Rod Bearing(4) AL-3 CB-1138AL STD,10,20				1.9993/2.0000	0.0015/0.0035	0.0602	2.1219/2.1226	0.7680
Main Bearing Set AL-3 MS-1145AL STD,10 1-2-4-5 MB-672AL 3 MB-673AL NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-236S				2.0860/2.0868 2.0860/2.0868	0.0028/0.0040 0.0028/0.0040	0.0724 0.0724	2.2329/2.2335 2.2329/2.2335	0.8170 0.9550
Thrust Washer Set TW-236S STD MB-673W(L) MB-673W(U)				2.3230/2.3330 2.3230/2.3330			2.8980/2.9080 2.8980/2.9080	0.0930 0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1145AL								
Connecting Rod 54 Lbs.Ft. Main Bearing 58 Lbs.Ft.								

RENAULT

ENGINE DATA

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
956CC (1.0L) 8.5 to 1 Compression	1963-1966	2.559in./65mmX2.835in./72mm	1	1565CC (1.6L) 8.6 to 1 Compression	1969-1972	3.031in./77mmX3.307in./84mm	5
956CC (1.0L) 9.5 to 1 Compression	1963-1966	2.559in./65mmX2.835in./72mm	1	1565CC (1.6L) 9.0 to 1 Compression	1972	3.031in./77mmX3.307in./84mm	5
1108CC (1.1L) 10.5 to 1 Compression	1965-1966	2.756in./70mmX2.835in./72mm	1	1647CC (1.6L) 7.5 to 1 Compression	1973-1975	3.110in./79mmX3.307in./84mm	5
1108CC (1.1L) 8.5 to 1 Compression	1964-1969	2.756in./70mmX2.835in./72mm	1	1647CC (1.6L) 8.0 to 1 Compression	1976-1977	3.110in./79mmX3.307in./84mm	5
1289CC (1.3L)	1969-1979	2.874in./73mmX3.031in./77mm	2	1647CC (1.6L) 8.6 to 1 Compression	1981-1983	3.110in./79mmX3.307in./84mm	5
1289CC (1.3L) 8.0 to 1 Compression	1970	2.874in./73mmX3.031in./77mm	3	1647CC (1.6L) 9.3 to 1 Compression	1976-1979	3.110in./79mmX3.307in./84mm	5
1289CC (1.3L) 8.5 to 1 Compression	1976-1979	2.874in./73mmX3.031in./77mm	4	105 CID/1721CC (1.7L) F3N	1985-1987	3.189in./81mmX3.307in./84mm	6
1289CC (1.3L) 8.8 to 1 Compression	1971	2.874in./73mmX3.031in./77mm	3	1965CC (2.0L) F3R	1987	3.228in./82mmX3.661in./93mm	6
1397CC (1.4L)	1983-1987	2.992in./76mmX3.031in./77mm	4	2165CC (2.2L) 8.7 to 1 Compression	1984-1986	3.465in./88mmX3.504in./89mm	7
1397CC (1.4L) 8.8 to 1 Compression	1980-1983	2.992in./76mmX3.031in./77mm	4				
1470CC (1.5L)	1966-1970	2.992in./76mmX3.189in./81mm	5				
1565CC (1.6L) 8.0 to 1 Compression Turbocharged	1982-1985	3.031in./77mmX3.307in./84mm	5				

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
18i	1647CC (1.6L) 8.6 to 1 Compression	1981-1983	5	R10	1289CC (1.3L) 8.8 to 1 Compression	1971	3
Alliance	105 CID/1721CC (1.7L) F3N	1985-1987	6	R10	1289CC (1.3L)	1968-1979	2
Alliance	1397CC (1.4L)	1983-1987	4	R12	1289CC (1.3L)	1968-1979	2
Caravelle	956CC (1.0L) 9.5 to 1 Compression	1964-1966	1	R12	1565CC (1.6L) 8.6 to 1 Compression	1972	5
Caravelle	1108CC (1.1L) 8.5 to 1 Compression	1964-1966	1	R12	1647CC (1.6L) 7.5 to 1 Compression	1973-1975	5
Caravelle S	956CC (1.0L) 9.5 to 1 Compression	1963	1	R12	1647CC (1.6L) 8.0 to 1 Compression	1976-1977	5
Encore	105 CID/1721CC (1.7L) F3N	1985-1986	6	R15	1289CC (1.3L)	1968-1979	2
Encore	1397CC (1.4L)	1984-1986	4	R15	1565CC (1.6L) 8.6 to 1 Compression	1972	5
Fuego	1565CC (1.6L) 8.0 to 1 Compression	1982-1985	5	R15	1647CC (1.6L) 7.5 to 1 Compression	1973-1975	5
Fuego	1647CC (1.6L) 8.6 to 1 Compression	1982-1983	5	R15	1647CC (1.6L) 8.0 to 1 Compression	1976	5
Fuego	2165CC (2.2L) 8.7 to 1 Compression	1984-1985	7	R16	1565CC (1.6L) 8.6 to 1 Compression	1969-1972	5
GTA	1965CC (2.0L) F3R	1987	6	R16/R1150	1470CC (1.5L)	1965-1976	5
R5	1289CC (1.3L) 8.5 to 1 Compression	1976-1979	4	R17	1565CC (1.6L) 9.0 to 1 Compression	1972	5
R5	1397CC (1.4L) 8.8 to 1 Compression	1980-1983	4	R17	1647CC (1.6L) 7.5 to 1 Compression	1973-1975	5
R8	956CC (1.0L) 8.5 to 1 Compression	1963-1966	1	R17	1647CC (1.6L) 8.0 to 1 Compression	1976-1977	5
R8 1100	1108CC (1.1L) 8.5 to 1 Compression	1964-1966	1	R17	1647CC (1.6L) 9.3 to 1 Compression	1976-1979	5
R8 Gordini	1108CC (1.1L) 10.5 to 1 Compression	1965-1966	1	SportWagon	2165CC (2.2L) 8.7 to 1 Compression	1984-1986	7
R10	1108CC (1.1L) 8.5 to 1 Compression	1967-1969	1				
R10	1289CC (1.3L) 8.0 to 1 Compression	1970	3				

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	956CC (1.0L) 8.5 to 1 Compression,9.5 to 1 Compression 4 Cyl (1963-1966)				2.559in./65mm x 2.835in./72mm			1
	1108CC (1.1L) 10.5 to 1 Compression 4 Cyl (1965-1966)				2.756in./70mm x 2.835in./72mm			
	1108CC (1.1L) 8.5 to 1 Compression 4 Cyl (1964-1969)				2.756in./70mm x 2.835in./72mm			
Rod Bearing(4)	AL-3	CB-722AL	STD.,.25mm.,.50mm	1.7309/1.7315	0.0010/0.0026	0.0710	1.8746/1.8750	0.8170

RENAULT (Cont.)

COUNTER DATA									SHOP DATA			
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	4 CYL (Cont.)			
1 (Cont.)	956CC (1.0L) 8.5 to 1 Compression, 9.5 to 1 Compression 4 Cyl (1963-1966) 1108CC (1.1L) 10.5 to 1 Compression 4 Cyl (1965-1966) 1108CC (1.1L) 8.5 to 1 Compression 4 Cyl (1964-1969)			2.559in./65mm x 2.835in./72mm 2.756in./70mm x 2.835in./72mm 2.756in./70mm x 2.835in./72mm				1 (Cont.)				
Main Bearing Set 1-3 2-4-5	AL-3	MS-1183AL MB-793AL MB-792AL	STD, .25mm	1.8106/1.8110 1.8106/1.8110	0.0012/0.0029 0.0012/0.0029	0.0756 0.0756	1.9635/1.9642 1.9635/1.9642	0.9640 0.7680				
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-142S												
Thrust Washer Set		TW-142S MB-2349W	STD	1.9900/2.0142			2.6650/2.6874	0.0910				
NOTE: Thru 6/68, Contains 2 Pieces, Position Number 2, Use With Part Number MS-1183AL												
Connecting Rod Main Bearing	25 Lbs.Ft. 45 Lbs.Ft.											
2	1289CC (1.3L) 4 Cyl (1969-1979)			2.874in./73mm x 3.031in./77mm				2				
Rod Bearing(4) NOTE: 1969-1972	AL-3	CB-722AL	STD, .25mm, .50mm	1.7309/1.7315	0.0010/0.0026	0.0710	1.8746/1.8750	0.8170				
Rod Bearing(4) NOTE: 1976-1979	AL-3	CB-1005AL	STD, .25mm, .50mm, .75mm	1.7309/1.7315	0.0016/0.0026	0.0711	1.8746/1.8750	0.6980				
Main Bearing Set 1-3 2-4-5	AL-3	MS-1183AL MB-793AL MB-792AL	STD, .25mm	1.8106/1.8110 1.8106/1.8110	0.0012/0.0029 0.0012/0.0029	0.0756 0.0756	1.9635/1.9642 1.9635/1.9642	0.9640 0.7680				
NOTE: 1969-1972, Requires Thrust Washer Set, Not Included												
Main Bearing Set 1-2-3-4-5	AL-3	MS-1381AL MB-2664AL	STD, .25mm, .50mm	2.1572/2.1576	0.0005/0.0031	0.0768	2.3122/2.3130	0.7680				
NOTE: 1976-1979, Requires Thrust Washer Set, Not Included, Use With Part Number TW-164S												
Thrust Washer Set		TW-164S MB-11W	STD	2.3540/2.3640			3.1420/3.1510	0.1120				
NOTE: 1976-1979, Contains 2 Pieces, Position Number 3, Use With Part Number MS-1381AL												
Connecting Rod Connecting Rod Main Bearing Main Bearing	25 Lbs.Ft. 35 Lbs.Ft. (1976-1979,) 45 Lbs.Ft. (1969-1972,) 48 Lbs.Ft. (1976-1979,)											
3	1289CC (1.3L) 8.0 to 1 Compression 4 Cyl (1970) 1289CC (1.3L) 8.8 to 1 Compression 4 Cyl (1971)			2.874in./73mm x 3.031in./77mm 2.874in./73mm x 3.031in./77mm				3				
Rod Bearing(4)	AL-3	CB-722AL	STD, .25mm, .50mm	1.7309/1.7315	0.0010/0.0026	0.0710	1.8746/1.8750	0.8170				
Main Bearing Set 1-3 2-4-5	AL-3	MS-1183AL MB-793AL MB-792AL	STD, .25mm	1.8106/1.8110 1.8106/1.8110	0.0012/0.0029 0.0012/0.0029	0.0756 0.0756	1.9635/1.9642 1.9635/1.9642	0.9640 0.7680				
NOTE: Requires Thrust Washer Set, Not Included												
Connecting Rod Main Bearing	25 Lbs.Ft. (1976-1979,) 45 Lbs.Ft.											
4	1289CC (1.3L) 8.5 to 1 Compression 4 Cyl (1976-1979) 1397CC (1.4L) 4 Cyl (1983-1987) 1397CC (1.4L) 8.8 to 1 Compression 4 Cyl (1980-1983)			2.874in./73mm x 3.031in./77mm 2.992in./76mm x 3.031in./77mm 2.992in./76mm x 3.031in./77mm				4				
Rod Bearing(4)	AL-3	CB-1005AL	STD, .25mm, .50mm, .75mm	1.7309/1.7315	0.0016/0.0026	0.0711	1.8746/1.8750	0.6980				
Main Bearing Set 1-2-3-4-5	AL-3	MS-1381AL MB-2664AL	STD, .25mm, .50mm	2.1572/2.1576	0.0005/0.0031	0.0768	2.3122/2.3130	0.7680				
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-164S												
Thrust Washer Set		TW-164S MB-11W	STD	2.3540/2.3640			3.1420/3.1510	0.1120				
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1381AL												
Connecting Rod Main Bearing	35 Lbs.Ft. 48 Lbs.Ft.											

RENAULT (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
5	1470CC (1.5L) 4 Cyl (1966-1970)				2.992in./76mm x 3.189in./81mm			5
	1565CC (1.6L) 8.0 to 1 Compression Turbocharged 4 Cyl (1982-1985)				3.031in./77mm x 3.307in./84mm			
	1565CC (1.6L) 8.6 to 1 Compression 4 Cyl (1969-1972)				3.031in./77mm x 3.307in./84mm			
	1565CC (1.6L) 9.0 to 1 Compression 4 Cyl (1972)				3.031in./77mm x 3.307in./84mm			
	1647CC (1.6L) 7.5 to 1 Compression 4 Cyl (1973-1975)				3.110in./79mm x 3.307in./84mm			
	1647CC (1.6L) 8.0 to 1 Compression 4 Cyl (1976-1977)				3.110in./79mm x 3.307in./84mm			
	1647CC (1.6L) 8.6 to 1 Compression 4 Cyl (1981-1983)				3.110in./79mm x 3.307in./84mm			
1647CC (1.6L) 9.3 to 1 Compression 4 Cyl (1976-1979)				3.110in./79mm x 3.307in./84mm				
Rod Bearing(4)	AL-3	CB-1202AL	STD.,25mm,.50mm	1.8898/1.8906	0.0018/0.0035	0.0693	2.0310/2.0315	0.8540
Main Bearing Set 1-2-3-4-5	AL-3	MS-1140AL-.25mm MB-664AL		2.1576/2.1579	0.0015/0.0033	0.0768	2.3122/2.3130	0.8070
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-164S								
Thrust Washer Set		TW-164S MB-11W	STD	2.3540/2.3640			3.1420/3.1510	0.1120
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1140AL-.25mm								
Connecting Rod	30 Lbs.Ft.							
Main Bearing	45 Lbs.Ft.							
6	105 CID/1721CC (1.7L) F3N 4 Cyl (1985-1987)				3.189in./81mm x 3.307in./84mm			6
	1965CC (2.0L) F3R 4 Cyl (1987)				3.228in./82mm x 3.661in./93mm			
Rod Bearing(4)	AL-3	CB-1310AL	STD.,25mm	1.8898/1.8906	0.0018/0.0031	0.0693	2.0310/2.0315	0.8070
Main Bearing Set 1-2-3-4-5	AL-3	MS-1603AL MB-2947AL	STD.,25mm	2.1573/2.1577	0.0016/0.0036	0.0764	2.3122/2.3128	0.7280
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-373S								
Thrust Washer Set		TW-373S MB-2946W	STD	2.3819/2.3917			3.1398/3.1496	0.0930
NOTE: Contains 2 Pieces, Position Number 2, Use With Part Number MS-1603AL								
Connecting Rod	35 Lbs.Ft.							
Main Bearing	47 Lbs.Ft.							
7	2165CC (2.2L) 8.7 to 1 Compression 4 Cyl (1984-1986)				3.465in./88mm x 3.504in./89mm			7
Rod Bearing(4)	AL-3	CB-1311AL	STD.,25mm	2.2152/2.2160	0.0017/0.0043	0.0725	2.3622/2.3630	0.8170
Main Bearing Set 1-2-3-4-5	AL-3	MS-1604AL MB-2948AL	STD.,25mm	2.4753/2.4761	0.0005/0.0031	0.0742	2.6247/2.6255	0.9250
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-343S								
Thrust Washer Set		TW-343S MB-2779W	STD	2.8031/2.8130			3.4583/3.4681	0.1120
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1604AL								
Connecting Rod	46 Lbs.Ft.							
Main Bearing	69 Lbs.Ft.							
ROILINE/LEROI								
ENGINE DATA								
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block	
D176 Roiline 176 CID (2.9L) Diesel	3.750in./95.3mmX4.000in./101.6mm		1	D226 Roiline 226 CID (3.7L) Diesel	4.000in./101.6mmX4.500in./114.3mm		1	
D201 Roiline 201 CID (3.3L) Diesel	4.000in./101.6mmX4.000in./101.6mm		1					
CONNECTING ROD FORGING NUMBERS								
Forging No.	Stroke	Block	Forging No.	Stroke	Block			
7-68	4.000in./101.6mm	1	7-68	4.500in./114.3mm	1			
CRANKSHAFT FORGING NUMBERS								
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
5-295	4.000in./101.6mm	1	5-295-S4	4.000in./101.6mm	1	5-354-2	4.500in./114.3mm	1
5-295-1	4.000in./101.6mm	1	5-352-2	4.500in./114.3mm	1	5-354-4	4.500in./114.3mm	1
5-295-1X	4.000in./101.6mm	1	5-354	4.500in./114.3mm	1	5-2951	4.000in./101.6mm	1

ROILINE/LEROI (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	176 CID (2.9L) D176 Roiline Diesel 4 Cyl 201 CID (3.3L) D201 Roiline Diesel 4 Cyl 226 CID (3.7L) D226 Roiline Diesel 4 Cyl			3.750in./95.3mm x 4.000in./101.6mm 4.000in./101.6mm x 4.000in./101.6mm 4.000in./101.6mm x 4.500in./114.3mm				1
Rod Bearing(4)	TM-77	CB-526P	STD,2,10,20,30	2.3745/2.3750	0.0014/0.0035	0.0618	2.4995/2.5005	1.4350
Con. Rod Bearing Shim Set 8		SM-118S SM-129	STD	0.0080				
NOTE: Standard Thickness								
Main Bearing Set 1 2-3	TM-77	MS-209P MB-366P(F) MB-367P	STD,10,20,30	2.4355/2.4365 2.4770/2.4780	0.0014/0.0040 0.0018/0.0043	0.0932 0.0723	2.6240/2.6250 2.6240/2.6250	1.6250 1.7550
NOTE: Contains Semi-Annular Grooved Bearing (standard length) With Notch For Dowel Pin ,Requires Shim Pack .008" Thick On Both Sides Of Connecting Rods And Main Bearings								
Main Bearing Shim Set 2 4		SM-119S SM-130 SM-131	STD	0.0080 0.0080				
NOTE: Standard Thickness								
Rod Forging C/S Forging	7-68 5-295, 5-354, 5-2951, 5-3452, 5-295-1, 5-352-2, 5-354-2, 5-354-4, 5-295-1X, 5-295-S4							
Connecting Rod Main Bearing	60 Lbs.Ft.							
ROSCOE BROWN								
ENGINE DATA								
Engine	Bore & Stroke		Block					
	6 CYL							
6466A John Deere 466 CID (7.6L) Diesel Turbocharged/Intercooled	4.563in./115.9mmX4.750in./120.7mm		1					
MODEL DATA								
Model 38-10	Model Type Trencher	Engine 466 CID (7.6L) 6466A John Deere Diesel	Block 1					
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
1	466 CID (7.6L) 6466A John Deere Turbocharged/Intercooled Diesel 6 Cyl			4.563in./115.9mm x 4.750in./120.7mm				1
Rod Bearing(6)	TM-112	CB-1267P	STD,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900
Main Bearing Set 1-2-3-4-6-7 5	TM-112	MS-1529P MB-2858P MB-2859P	STD,10,20,30	3.3715/3.3725 3.3720/3.3730	0.0020/0.0050 0.0015/0.0045	0.1264 0.1264	3.6270/3.6280 3.6270/3.6280	1.3900 1.6780
NOTE: Contains 3 Piece Thrust Washer Set, Use In Number 5 Position								

ROVER									
ENGINE DATA									
Engine	Years	Bore & Stroke		Block					
8 CYL									
3528CC (3.5L) Land Rover	1970-1981	3.500in./88.9mmX2.795in./71mm		1					
MODEL DATA									
Model	Engine	Years	Block	Model	Engine	Years	Block		
Range Rover	3528CC (3.5L) Land Rover	1970-1984	1	Series III	3528CC (3.5L) Land Rover	1980-1985	1		
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL									
1	3528CC (3.5L) Land Rover V8 Cyl (1970-1981)				3.500in./88.9mm x 2.795in./71mm				1
Rod Bearing(8)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420	
Main Bearing Set 1-2-4-5 3	TM-77	MS-558P MB-3135P MB-2075P(F)	STD,10	2.2983/2.2993 2.2983/2.2993	0.0006/0.0036 0.0006/0.0036	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.0580	
Connecting Rod	30 To 45 Lbs.Ft.								
Main Bearing	50 To 55 Lbs.Ft. (Except Rear Bearing Cap)								
Main Bearing	65 To 70 Lbs.Ft. (Rear Bearing Cap)								
SAAB									
ENGINE DATA									
Engine	Years	Bore & Stroke		Block	Engine	Years	Bore & Stroke		Block
4 CYL					4 CYL (Cont.)				
1498CC (1.5L) OHV Ford	1967-1970	3.543in./90mmX2.284in./58mm		1	1985CC (2.0L) B202 DOHC	1986-1987	3.543in./90mmX3.071in./78mm		3
1709CC (1.7L) SOHC	1969-1971	3.287in./83.5mmX3.071in./78mm		2	1985CC (2.0L) B202 DOHC	1985-1987	3.543in./90mmX3.071in./78mm		3
1854CC (1.9L) SOHC	1971-1972	3.425in./87mmX3.071in./78mm		2	Turbocharged/Intercooled	1973-1980	3.543in./90mmX3.071in./78mm		3
1985CC (2.0L) B20	1973-1980	3.543in./90mmX3.071in./78mm		3					
1985CC (2.0L) B201 SOHC	1972-1988	3.543in./90mmX3.071in./78mm		3	1985CC (2.0L) B20E				
1985CC (2.0L) B201 SOHC Turbocharged	1978-1984	3.543in./90mmX3.071in./78mm		3					
MODEL DATA									
Model	Engine	Years	Block	Model	Engine	Years	Block		
95	1498CC (1.5L) OHV Ford	1967-1970	1	900	1985CC (2.0L) B201 SOHC	1979-1988	3		
96	1498CC (1.5L) OHV Ford	1967-1970	1	900	1985CC (2.0L) B201 SOHC	1979-1984	3		
99	1709CC (1.7L) SOHC	1969-1971	2	900	1985CC (2.0L) B202 DOHC	1985-1993	3		
99	1854CC (1.9L) SOHC	1971	2	900	1985CC (2.0L) B202 DOHC	1986-1990	3		
99	1985CC (2.0L) B201 SOHC	1973-1980	3	9000	1985CC (2.0L) B202 DOHC	1986-1991	3		
99	1985CC (2.0L) B201 SOHC	1978	3	9000	1985CC (2.0L) B202 DOHC	1987-1992	3		
99	1985CC (2.0L) B20	1973-1980	3	Sonett	1498CC (1.5L) OHV Ford	1968-1969	1		
99	1985CC (2.0L) B20E	1973-1980	3						
CONNECTING ROD FORGING NUMBERS									
Forging No.	Stroke	Block	Forging No.	Stroke	Block				
.812PIN	3.071in./78mm	2	.875PIN	3.071in./78mm	2				
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL									
1	1498CC (1.5L) OHV Ford V4 Cyl (1967-1970)				3.543in./90mm x 2.284in./58mm				1
Rod Bearing(4)	TM-77	CB-723P	STD,10,20,30,40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490	
Rod Bearing(4)	TM-77	CB-1795P-10	20,30,40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set 1-3 2	TM-77	MS-798P MB-2350P MB-2351P(F)	STD,10	2.2433/2.2441 2.2433/2.2441	0.0006/0.0032 0.0006/0.0032	0.0711 0.0711	2.3866/2.3874 2.3866/2.3874	0.8500 1.0350	
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing									

SAAB (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
1 (Cont.)	1498CC (1.5L) OHV Ford V4 Cyl (1967-1970)			3.543in./90mm x 2.284in./58mm				1 (Cont.)
Cam Bearing Set	B-1	SH-590S	STD					
1		SH-590		1.6345/1.6355	0.0010/0.0050	0.0608	1.7580/1.7590	0.7900
2		SH-591		1.6195/1.6205	0.0010/0.0050	0.0608	1.7430/1.7440	0.7100
3		SH-592		1.6045/1.6055	0.0010/0.0050	0.6100	1.7280/1.7290	0.6100
Connecting Rod	21 To 25 Lbs.Ft.							
Main Bearing	65 To 75 Lbs.Ft.							
2	1709CC (1.7L) SOHC 4 Cyl (1969-1971)			3.287in./83.5mm x 3.071in./78mm				2
	1854CC (1.9L) SOHC 4 Cyl (1971-1972)			3.425in./87mm x 3.071in./78mm				
Rod Bearing(4)	AL-3	CB-1015AL	STD,10,20,30	1.7500/1.7505	0.0010/0.0030	0.0720	1.8955/1.8960	0.7450
Rod Forging	.812PIN, .875PIN							
Connecting Rod	40 Lbs.Ft.							
Main Bearing	58 Lbs.Ft.							
3	1985CC (2.0L) B20,B20E 4 Cyl (1973-1980)			3.543in./90mm x 3.071in./78mm				3
	1985CC (2.0L) B201 SOHC 4 Cyl (1972-1988)			3.543in./90mm x 3.071in./78mm				
	1985CC (2.0L) B201 SOHC Turbocharged 4 Cyl (1978-1984)			3.543in./90mm x 3.071in./78mm				
	1985CC (2.0L) B202 DOHC 4 Cyl (1986-1987)			3.543in./90mm x 3.071in./78mm				
	1985CC (2.0L) B202 DOHC Turbocharged/Intercooled 4 Cyl (1985-1987)			3.543in./90mm x 3.071in./78mm				
Rod Bearing(4)	TM-77	CB-1191P	STD,.25mm	2.0468/2.0472	0.0020/0.0048	0.0780	2.2047/2.2054	0.7970
Main Bearing Set	TM-77	MS-1407P	STD,.25mm					
1-2-3-4-5		MB-2708P		2.2830/2.2835	0.0019/0.0043	0.0780	2.4409/2.4416	0.8410
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-312S								
Thrust Washer Set		TW-312S	STD					
		MB-2708W		2.6078/2.6275			3.2087/3.2185	0.0920
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1407P								
Connecting Rod	40 Lbs.Ft.							
Main Bearing	79 Lbs.Ft.							
SCION								
ENGINE DATA								
Engine			Years	Block				
2362CC (2.4L) 2AZFE DOHC VVTi 16 Valve Toyota			2005	1				
MODEL DATA								
Model	Engine			Years	Block			
tC	2362CC (2.4L) 2AZFE DOHC VVTi 16 Valve Toyota			2005	1			
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	2362CC (2.4L) 2AZFE DOHC VVTi 16 Valve Toyota 4 Cyl (2005)			3.484in./88.5mm x 3.780in./96mm				1
Rod Bearing(4)	AL-3	CB-1835AL	STD,.25mm,.50mm	1.8894/1.8898	0.0010	0.0588	2.0079/2.0087	0.6140
Main Bearing Set	AL-3	MS-2243AL	STD,.25mm,.50mm					
1-5		MB-3819ALU		2.1648/2.1654	0.0005	0.0786	2.3228/2.3235	0.6690
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-619S								
Thrust Washer Set		TW-619S	STD					
		MB-3821W		2.3819/2.3917			3.0610/3.0709	0.0780
NOTE: Contains 2 Pieces, Use With Part Number MS-2243AL								

STERLING									
ENGINE DATA									
Engine	Years	Bore & Stroke		Block	Engine	Years	Bore & Stroke		Block
6 CYL					6 CYL (Cont.)				
2494CC (2.5L) C25A1 SOHC Honda	1987-1988	3.307in./84mmX2.953in./75mm		1	2675CC (2.7L) C27A1 SOHC Honda	1988-1991	3.425in./87mmX2.953in./75mm		1
MODEL DATA									
Model	Engine	Years	Block	Model	Engine	Years	Block		
825	2494CC (2.5L) C25A1 SOHC Honda	1987-1988	1	827	2675CC (2.7L) C27A1 SOHC Honda	1988-1991	1		
CONNECTING ROD FORGING NUMBERS									
Forging No.	Stroke	Block							
PH7	2.953in./75mm	1							
CRANKSHAFT FORGING NUMBERS									
Forging No.	Stroke	Block							
4434	2.953in./75mm	1							
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL									
1	2494CC (2.5L) C25A1 SOHC Honda V6 Cyl (1987-1988)				3.307in./84mm x 2.953in./75mm				1
	2675CC (2.7L) C27A1 SOHC Honda V6 Cyl (1988-1991)				3.425in./87mm x 2.953in./75mm				
Rod Bearing(6)	TM-1	CB-1457P	STD,.25mm		2.0463/2.0472	0.0010/0.0020	0.0592	2.1654/2.1663	0.6890
Main Bearing Set 1-2-3-4	TM-1	MS-1805P MB-3177P	STD,.25mm		2.5187/2.5197	0.0009/0.0019	0.0787	2.6772/2.6781	0.7870
NOTE: California Emmission To Engine Serial Number 2001033,Except California Emmission To Engine Serial Number 2502726, Requires Thrust Washer Set, Not Included, Use With Part Number TW-474S									
Thrust Washer Set		TW-474S MB-3177W	STD		2.9626/2.9724			3.6909/3.7008	0.0980
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1805P									
Rod Forging C/S Forging	PH7 4434								
Connecting Rod	33 Lbs.Ft.								
Main Bearing	29 Lbs.Ft. (9mm Bolts)								
Main Bearing	36 Lbs.Ft. (2494CC (2.5L) C25A1 SOHC,2675CC (2.7L) C27A1 SOHC)								
Main Bearing	41 Lbs.Ft. (1989-1989, 2494CC (2.5L) C25A1 SOHC,2675CC (2.7L) C27A1 SOHC)								
Main Bearing	48 Lbs.Ft. (1990-1991, 2675CC (2.7L) C27A1 SOHC)								
Main Bearing	50 Lbs.Ft. (1986-1988, 2494CC (2.5L) C25A1 SOHC)								
Main Bearing	50 Lbs.Ft. (1988-1988, 2675CC (2.7L) C27A1 SOHC)								

STUDEBAKER									
ENGINE DATA									
Engine	Years	Bore & Stroke		Block	Engine	Years	Bore & Stroke		Block
					8 CYL (Cont.)				
169 CID (2.8L)	1941-1954	3.000in./76.2mmX4.000in./101.6mm		1					
170 CID (2.8L) L-Head	1941-1964	3.000in./76.2mmX4.000in./101.6mm		1					
186 CID (3.0L) L-Head	1955-1958	3.000in./76.2mmX4.375in./111.1mm		1	289 CID (4.7L) OHV	1956-1964	3.563in./90.5mmX3.625in./92.1mm		3
194 CID (3.2L) Chevrolet	1965-1966	3.563in./90.5mmX3.250in./82.6mm		2	289 CID (4.7L) OHV Supercharged	1957-1964	3.563in./90.5mmX3.625in./92.1mm		3
230 CID (3.8L) Chevrolet	1966	3.875in./98.4mmX3.250in./82.6mm		2	289 CID (4.7L) R1	1963-1964	3.563in./90.5mmX3.625in./92.1mm		3
8 CYL					289 CID (4.7L) R2 Supercharged	1963-1964	3.563in./90.5mmX3.625in./92.1mm		3
224 CID (3.7L) OHV	1955-1956	3.563in./90.5mmX2.813in./71.5mm		3	304 CID (5.0L)	1964	3.656in./92.9mmX3.625in./92.1mm		3
232 CID (3.8L) OHV	1951-1954	3.375in./85.7mmX3.250in./82.6mm		3	304 CID (5.0L) R3 Supercharged	1964	3.656in./92.9mmX3.625in./92.1mm		3
259 CID (4.2L) OHV	1955-1964	3.563in./90.5mmX3.250in./82.6mm		3					
283 CID (4.6L) Chevrolet	1965-1966	3.875in./98.4mmX3.000in./76.2mm		4					
289 CID (4.7L)	1956-1964	3.563in./90.5mmX3.625in./92.1mm		3					
MODEL DATA									
Model	Engine	Years	Block	Model	Engine	Years	Block		
2E5 Transtar	186 CID (3.0L) L-Head	1956	1	2E13 Transtar	259 CID (4.2L) OHV	1956	3		
2E7	224 CID (3.7L) OHV	1956	3	2E28	259 CID (4.2L) OHV	1956	3		
2E12	224 CID (3.7L) OHV	1956	3	2E38	259 CID (4.2L) OHV	1956	3		

STUDEBAKER

ENGINE DATA									
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block		
169 CID (2.8L)	1941-1954	3.000in./76.2mmX4.000in./101.6mm	1	8 CYL (Cont.)					
170 CID (2.8L) L-Head	1941-1964	3.000in./76.2mmX4.000in./101.6mm	1						
186 CID (3.0L) L-Head	1955-1958	3.000in./76.2mmX4.375in./111.1mm	1						
194 CID (3.2L) Chevrolet	1965-1966	3.563in./90.5mmX3.250in./82.6mm	2						
230 CID (3.8L) Chevrolet	1966	3.875in./98.4mmX3.250in./82.6mm	2						
8 CYL				289 CID (4.7L) OHV	1956-1964	3.563in./90.5mmX3.625in./92.1mm	3		
224 CID (3.7L) OHV	1955-1956	3.563in./90.5mmX2.813in./71.5mm	3	289 CID (4.7L) OHV Supercharged	1957-1964	3.563in./90.5mmX3.625in./92.1mm	3		
232 CID (3.8L) OHV	1951-1954	3.375in./85.7mmX3.250in./82.6mm	3	289 CID (4.7L) R1	1963-1964	3.563in./90.5mmX3.625in./92.1mm	3		
259 CID (4.2L) OHV	1955-1964	3.563in./90.5mmX3.250in./82.6mm	3	289 CID (4.7L) R2	1963-1964	3.563in./90.5mmX3.625in./92.1mm	3		
283 CID (4.6L) Chevrolet	1965-1966	3.875in./98.4mmX3.000in./76.2mm	4	Supercharged					
289 CID (4.7L)	1956-1964	3.563in./90.5mmX3.625in./92.1mm	3	304 CID (5.0L)	1964	3.656in./92.9mmX3.625in./92.1mm	3		
				304 CID (5.0L) R3	1964	3.656in./92.9mmX3.625in./92.1mm	3		
				Supercharged					
MODEL DATA									
Model	Engine	Years	Block	Model	Engine	Years	Block		
2E5 Transtar	186 CID (3.0L) L-Head	1956	1	2E13 Transtar	259 CID (4.2L) OHV	1956	3		
2E7	224 CID (3.7L) OHV	1956	3	2E28	259 CID (4.2L) OHV	1956	3		
2E12	224 CID (3.7L) OHV	1956	3	2E38	259 CID (4.2L) OHV	1956	3		

STUDEBAKER (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
2R5	170 CID (2.8L) L-Head	1949-1953	1	8E13 Transtar	259 CID (4.2L) OHV	1963-1964	3
2R10	170 CID (2.8L) L-Head	1949-1953	1	8E13 Transtar	289 CID (4.7L) OHV	1963-1964	3
2R15	170 CID (2.8L) L-Head	1949-1953	1	8E28 Transtar	259 CID (4.2L) OHV	1963-1964	3
3E1 Scotsman	186 CID (3.0L) L-Head	1958	1	8E28 Transtar	289 CID (4.7L) OHV	1963-1964	3
3E5 Transtar	186 CID (3.0L) L-Head	1957-1958	1	8E40	289 CID (4.7L) OHV	1963-1964	3
3E7	259 CID (4.2L) OHV	1957-1958	3		169 CID (2.8L)	1941-1954	1
3E12	259 CID (4.2L) OHV	1957-1958	3		170 CID (2.8L) L-Head	1959-1964	1
3E13	259 CID (4.2L) OHV	1957-1958	3		186 CID (3.0L) L-Head	1955-1958	1
3E28 Transtar	259 CID (4.2L) OHV	1957-1958	3		194 CID (3.2L) Chevrolet	1965-1966	2
3E38	259 CID (4.2L) OHV	1957-1958	3		224 CID (3.7L) OHV	1955-1956	3
3E40 Transtar	289 CID (4.7L) OHV	1957-1958	3		230 CID (3.8L) Chevrolet	1966	2
3R5	170 CID (2.8L) L-Head	1954	1		259 CID (4.2L) OHV	1955-1964	3
3R10	170 CID (2.8L) L-Head	1954	1		283 CID (4.6L) Chevrolet	1965-1966	4
4E1	170 CID (2.8L) L-Head	1959	1		289 CID (4.7L)	1956-1964	3
4E2 Scotsman	259 CID (4.2L) OHV	1959	3		304 CID (5.0L)	1964	3
4E7 Deluxe	259 CID (4.2L) OHV	1959	3	Avanti	289 CID (4.7L) R1	1963-1964	3
4E7 Deluxe	289 CID (4.7L) OHV	1959	3	Avanti	289 CID (4.7L) R2	1963-1964	3
4E12 Deluxe	259 CID (4.2L) OHV	1959	3	Avanti	304 CID (5.0L) R3	1964	3
4E12 Deluxe	289 CID (4.7L) OHV	1959	3	Champion	170 CID (2.8L) L-Head	1941-1954	1
4E13 Deluxe	259 CID (4.2L) OHV	1959	3	Champion	186 CID (3.0L) L-Head	1955-1958	1
4E13 Deluxe	289 CID (4.7L) OHV	1959	3	Commander	194 CID (3.2L) Chevrolet	1965-1966	2
4E28 Transtar	259 CID (4.2L) OHV	1959	3	Commander	224 CID (3.7L) OHV	1955	3
4E28 Transtar	289 CID (4.7L) OHV	1959	3	Commander	230 CID (3.8L) Chevrolet	1966	2
4E40 Deluxe	289 CID (4.7L) OHV	1959	3	Commander	232 CID (3.8L) OHV	1951-1954	3
5E5	170 CID (2.8L) L-Head	1960	1	Commander	259 CID (4.2L) OHV	1955-1957	3
5E7 Champ	259 CID (4.2L) OHV	1960	3	Commander	283 CID (4.6L) Chevrolet	1965-1966	4
5E7 Champ	289 CID (4.7L) OHV	1960	3	Cruiser	194 CID (3.2L) Chevrolet	1965-1966	2
5E12 Champ	259 CID (4.2L) OHV	1960	3	Daytona	194 CID (3.2L) Chevrolet	1966	2
5E12 Champ	289 CID (4.7L) OHV	1960	3	Daytona	230 CID (3.8L) Chevrolet	1966	2
5E13 Transtar	259 CID (4.2L) OHV	1960	3	Daytona	283 CID (4.6L) Chevrolet	1965-1966	4
5E13 Transtar	289 CID (4.7L) OHV	1960	3	E5	186 CID (3.0L) L-Head	1955	1
5E28 Transtar	259 CID (4.2L) OHV	1960	3	E7	224 CID (3.7L) OHV	1955	3
5E28 Transtar	289 CID (4.7L) OHV	1960	3	E10	186 CID (3.0L) L-Head	1955	1
5E40	289 CID (4.7L) OHV	1960	3	E12	224 CID (3.7L) OHV	1955	3
6E7 Champ	259 CID (4.2L) OHV	1961	3	E13	224 CID (3.7L) OHV	1955	3
6E7 Champ	289 CID (4.7L) OHV	1961	3	E28	259 CID (4.2L) OHV	1955	3
6E12 Champ	259 CID (4.2L) OHV	1961	3	E38	259 CID (4.2L) OHV	1955	3
6E12 Champ	289 CID (4.7L) OHV	1961	3	Golden Hawk	289 CID (4.7L) OHV	1957-1958	3
6E13 Transtar	259 CID (4.2L) OHV	1961	3	Grand Turismo Hawk	289 CID (4.7L) OHV	1962-1964	3
6E13 Transtar	289 CID (4.7L) OHV	1961	3	Grand Turismo Hawk	289 CID (4.7L) OHV	1962-1964	3
6E28 Transtar	259 CID (4.2L) OHV	1961	3	Hawk	259 CID (4.2L) OHV	1960-1961	3
6E28 Transtar	289 CID (4.7L) OHV	1961	3	Hawk	289 CID (4.7L) OHV	1961	3
6E40 Transtar	289 CID (4.7L) OHV	1961	3	Hawk	289 CID (4.7L) OHV	1958	3
7E7 Champ	259 CID (4.2L) OHV	1962	3	Lark	259 CID (4.2L) OHV	1959-1964	3
7E7 Champ	289 CID (4.7L) OHV	1962	3	Lark	289 CID (4.7L) OHV	1961-1964	3
7E12 Champ	259 CID (4.2L) OHV	1962	3	M5 Coupe-Express	170 CID (2.8L) L-Head	1941-1942	1
7E12 Champ	289 CID (4.7L) OHV	1962	3	Packard	289 CID (4.7L) OHV	1958	3
7E13 Transtar	259 CID (4.2L) OHV	1962	3	President	259 CID (4.2L) OHV	1955	3
7E13 Transtar	289 CID (4.7L) OHV	1962	3	President	289 CID (4.7L) OHV	1956-1958	3
7E28 Transtar	259 CID (4.2L) OHV	1962	3	Silver Hawk	259 CID (4.2L) OHV	1959	3
7E28 Transtar	289 CID (4.7L) OHV	1962	3	Silver Hawk	289 CID (4.7L) OHV	1957-1961	3
7E40	289 CID (4.7L) OHV	1962	3	Skyhawk	289 CID (4.7L) OHV	1956	3
8E7 Champ	259 CID (4.2L) OHV	1963-1964	3	Wagonaire	194 CID (3.2L) Chevrolet	1966	2
8E7 Champ	289 CID (4.7L) OHV	1963-1964	3	Wagonaire	230 CID (3.8L) Chevrolet	1966	2
8E12 Champ	259 CID (4.2L) OHV	1963-1964	3	Wagonaire	283 CID (4.6L) Chevrolet	1966	4
8E12 Champ	289 CID (4.7L) OHV	1963-1964	3				

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
207	3.250in./82.6mm	3	199829	4.000in./101.6mm	1	3182749	3.250in./82.6mm	3	3788437	3.250in./82.6mm	2
338	3.250in./82.6mm	3	517892	4.000in./101.6mm	1	3703526	3.000in./76.2mm	4	3815281	3.000in./76.2mm	4
707	3.250in./82.6mm	3	3172341	3.250in./82.6mm	3	3703527	3.000in./76.2mm	4	3837419	3.250in./82.6mm	2
8436	3.250in./82.6mm	2	3173210	3.250in./82.6mm	3	3784000	3.000in./76.2mm	4	3977110	3.250in./82.6mm	2
195123	4.000in./101.6mm	1	3180444	3.250in./82.6mm	3	3788435	3.250in./82.6mm	2	9793328	3.250in./82.6mm	2

STUDEBAKER (Cont.)

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1178	3.000in./76.2mm	4	526956	3.625in./92.1mm	3	3172218	3.250in./82.6mm	3	3788428	3.250in./82.6mm	2
3279	3.000in./76.2mm	4	530081	3.250in./82.6mm	3	3172218R	3.250in./82.6mm	3	3820618	3.250in./82.6mm	2
6764	3.000in./76.2mm	4	533439	2.813in./71.5mm	3	3188945	3.250in./82.6mm	3	3835236TG	3.000in./76.2mm	4
8424	3.250in./82.6mm	2	534231	4.375in./111.1mm	1	3188947	3.250in./82.6mm	3	3836236	3.000in./76.2mm	4
176524	4.000in./101.6mm	1	534251	4.375in./111.1mm	1	3204904	3.250in./82.6mm	3	3836266	3.000in./76.2mm	4
180590	3.625in./92.1mm	3	534254	4.375in./111.1mm	1	3208627	3.250in./82.6mm	3	3837266	3.000in./76.2mm	4
186433	4.000in./101.6mm	1	534521	4.375in./111.1mm	1	3208794	3.250in./82.6mm	3	3838266	3.000in./76.2mm	4
189517	4.000in./101.6mm	1	535377	4.375in./111.1mm	1	3214722	3.250in./82.6mm	3	3849847	3.000in./76.2mm	4
189986	4.000in./101.6mm	1	536452	3.250in./82.6mm	3	3727449	3.000in./76.2mm	4	3864465	3.250in./82.6mm	2
195111	4.000in./101.6mm	1	537424	3.625in./92.1mm	3	3727499	3.000in./76.2mm	4	3876764	3.000in./76.2mm	4
199966	4.000in./101.6mm	1	908292	4.000in./101.6mm	1	3729449	3.000in./76.2mm	4	3876768	3.000in./76.2mm	4
521525	4.000in./101.6mm	1	1547105	4.000in./101.6mm	1	3734627	3.000in./76.2mm	4	3899424	3.250in./82.6mm	2
521526	4.000in./101.6mm	1	1550774	4.000in./101.6mm	1	3735236	3.000in./76.2mm	4	5743013	3.250in./82.6mm	2
526831	3.250in./82.6mm	3	3160035	3.250in./82.6mm	3	3788423	3.250in./82.6mm	2	9782279	3.250in./82.6mm	2
526832	3.250in./82.6mm	3	3169034	3.250in./82.6mm	3	3788424	3.250in./82.6mm	2			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

6 CYL

1	169 CID (2.8L) 6 Cyl (1941-1954)	3.000in./76.2mm x 4.000in./101.6mm	1
	170 CID (2.8L) L-Head 6 Cyl (1941-1964)	3.000in./76.2mm x 4.000in./101.6mm	
	186 CID (3.0L) L-Head 6 Cyl (1955-1958)	3.000in./76.2mm x 4.375in./111.1mm	

Rod Bearing(6)	TM-77	CB-286P	STD,10	1.8117/1.8127	0.0006/0.0027	0.0566	1.9260/1.9265	0.9100
NOTE: Early Original Equipment Babbitted Connecting Rods Can Be Replaced With Later Insert Type Connecting Rods								

Rod Forging	195123, 199829, 517892							
C/S Forging	176524, 186433, 189517, 189986, 195111, 199966, 521525, 521526, 534231, 534251, 534254, 534521, 535377, 908292, 1547105, 1550774							

Connecting Rod	28 To 32 Lbs.Ft.							
Main Bearing	85 To 95 Lbs.Ft.							

2	194 CID (3.2L) Chevrolet 6 Cyl (1965-1966)	3.563in./90.5mm x 3.250in./82.6mm	2
	230 CID (3.8L) Chevrolet 6 Cyl (1966)	3.875in./98.4mm x 3.250in./82.6mm	

Rod Bearing(6)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420

Main Bearing Set	TM-77	MS-617P	STD,1,10,20,30,40	2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
1-2-3-4-5-6		MB-3135P						
7		MB-2588P(F)						

Cam Bearing Set	AL-3	SH-399S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
1-4		SH-399						
2-3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700

Rod Forging	8436, 3788435, 3788437, 3837419, 3977110, 9793328							
C/S Forging	8424, 3788423, 3788424, 3788428, 3820618, 3864465, 3899424, 5743013, 9782279							

Connecting Rod	30 To 35 Lbs.Ft. (194 CID (3.2L))							
Connecting Rod	35 To 45 Lbs.Ft. (230 CID (3.8L))							
Main Bearing	60 To 70 Lbs.Ft.							

8 CYL

3	224 CID (3.7L) OHV V8 Cyl (1955-1956)	3.563in./90.5mm x 2.813in./71.5mm	3
	232 CID (3.8L) OHV V8 Cyl (1951-1954)	3.375in./85.7mm x 3.250in./82.6mm	
	259 CID (4.2L) OHV V8 Cyl (1955-1964)	3.563in./90.5mm x 3.250in./82.6mm	
	289 CID (4.7L) ,OHV V8 Cyl (1956-1964)	3.563in./90.5mm x 3.625in./92.1mm	
	289 CID (4.7L) OHV Supercharged V8 Cyl (1957-1964)	3.563in./90.5mm x 3.625in./92.1mm	
	289 CID (4.7L) R1 V8 Cyl (1963-1964)	3.563in./90.5mm x 3.625in./92.1mm	
	289 CID (4.7L) R2 Supercharged V8 Cyl (1963-1964)	3.563in./90.5mm x 3.625in./92.1mm	
	304 CID (5.0L) V8 Cyl (1964)	3.656in./92.9mm x 3.625in./92.1mm	
	304 CID (5.0L) R3 Supercharged V8 Cyl (1964)	3.656in./92.9mm x 3.625in./92.1mm	

Rod Bearing(8)	TM-77	CB-361P	STD,10	1.9992/2.0002	0.0005/0.0030	0.0565	2.1135/2.1140	0.8480

Rod Forging	207, 338, 707, 3172341, 3173210, 3180444, 3182749							
C/S Forging	180590, 526831, 526832, 526956, 530081, 533439, 536452, 537424, 3160035, 3169034, 3172218, 3188945, 3188947, 3204904, 3208627, 3208794, 3214722, 3172218R							

Connecting Rod	52 To 54 Lbs.Ft.							
Main Bearing	85 To 95 Lbs.Ft.							

4	283 CID (4.6L) Chevrolet V8 Cyl (1965-1966)			3.875in./98.4mm x 3.000in./76.2mm			4	

Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420

STUDEBAKER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
4 (Cont.)	283 CID (4.6L) Chevrolet V8 Cyl (1965-1966)			3.875in./98.4mm x 3.000in./76.2mm				4 (Cont.)
Main Bearing Set 1-2-3-4 5	TM-77	MS-429P MB-3135P MB-1769P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2978/2.2988	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
Rod Forging C/S Forging	3703526, 3703527, 3784000, 3815281 1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft.							
SUBARU								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
3 CYL				4 CYL (Cont.)				
997CC (1.0L) EF10	1983-1990	3.071in./78mmX2.756in./70mm	1	1781CC (1.8L) EA82T	1985-1990	3.622in./92mmX2.638in./67mm	5	
1189CC (1.2L) EF12	1987-1994	3.071in./78mmX2.874in./73mm	1	OHC Turbo Turbocharged				
4 CYL				1820CC (1.8L) EJ18E	1993-1997	3.461in./87.9mmX2.953in./75mm	6	
1088CC (1.1L) EA61	1971	2.992in./76mmX2.362in./60mm	2	2212CC (2.2L) EJ22#	1999-2001	3.815in./96.9mmX2.953in./75mm	7	
1267CC (1.3L) EA62	1972	3.208in./81.5mmX2.362in./60mm	3	(EJ221, 222, 223)				
1361CC (1.4L) EA63	1973-1976	3.347in./85mmX2.362in./60mm	3	2212CC (2.2L) EJ22E	1990-1998	3.815in./96.9mmX2.953in./75mm	6	
1595CC (1.6L) EA71	1976-1988	3.622in./92mmX2.362in./60mm	4	2212CC (2.2L) EJ22EZ	1996-1998	3.815in./96.9mmX2.953in./75mm	6	
1781CC (1.8L) EA81 OHV	1980-1989	3.622in./92mmX2.638in./67mm	5	2212CC (2.2L) EJ22T	1991-1994	3.815in./96.9mmX2.953in./75mm	6	
1781CC (1.8L) EA81T	1983-1984	3.622in./92mmX2.638in./67mm	5	Turbo Turbocharged				
Turbo Turbocharged				2457CC (2.5L)	1996-1998	3.917in./99.5mmX3.110in./79mm	8	
1781CC (1.8L) EA82C	1985-1987	3.622in./92mmX2.638in./67mm	5	EJ25D/EJ25DZ DOHC				
OHC				6 CYL				
1781CC (1.8L) EA82S	1985-1994	3.622in./92mmX2.638in./67mm	5	2672CC (2.7L) ER27	1988-1991	3.622in./92mmX2.638in./67mm	9	
OHC								
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
1300	1267CC (1.3L) EA62	1971-1972	3	Impreza	2212CC (2.2L) EJ22# (EJ221, 222, 223)	1999-2001	7	
1400	1361CC (1.4L) EA63	1973-1976	3					
1600	1595CC (1.6L) EA71	1976-1989	4	Impreza	2457CC (2.5L) EJ25D/EJ25DZ DOHC	1998-1999	8	
1800	1781CC (1.8L) EA81 OHV	1980-1989	5					
1800	1781CC (1.8L) EA81T Turbo	1983-1984	5	Justy	1189CC (1.2L) EF12	1987-1994	1	
1800	1781CC (1.8L) EA82C OHC	1985-1987	5	Legacy	2212CC (2.2L) EJ22E	1990-1999	6	
1800	1781CC (1.8L) EA82T OHC	1985-1989	5	Legacy	2212CC (2.2L) EJ22T Turbo	1991-1994	6	
	Turbo			Legacy	2212CC (2.2L) EJ22EZ	1996-1999	6	
1800	1781CC (1.8L) EA82S OHC	1985-1989	5	Legacy	2457CC (2.5L) EJ25D/EJ25DZ DOHC	1996-1999	8	
	997CC (1.0L) EF10	1983-1990	1					
Brat	1595CC (1.6L) EA71	1976-1980	4	Loyale	1781CC (1.8L) EA82T OHC	1990	5	
Brat	1781CC (1.8L) EA81 OHV	1981-1988	5		Turbo			
Brat	1781CC (1.8L) EA81T Turbo	1983-1984	5	Loyale	1781CC (1.8L) EA82S OHC	1990-1994	5	
FF-1 Star	1088CC (1.1L) EA61	1971	2	XT6	2672CC (2.7L) ER27	1988-1991	9	
Forester	2457CC (2.5L) EJ25D/EJ25DZ DOHC	1998	8	XT	1781CC (1.8L) EA82T OHC	1985-1987	5	
					Turbo			
Impreza	1820CC (1.8L) EJ18E	1993-1997	6	XT	1781CC (1.8L) EA82S OHC	1985-1991	5	
Impreza	2212CC (2.2L) EJ22E	1993-1999	6					

SUBARU (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL								
1	997CC (1.0L) EF10 3 Cyl (1983-1990) 1189CC (1.2L) EF12 3 Cyl (1987-1994)			3.071in./78mm x 2.756in./70mm 3.071in./78mm x 2.874in./73mm				1
Rod Bearing(3)	TM-1	CB-1469P	STD.,.25mm,.50mm	1.6531/1.6535	0.0008/0.0030	0.0587	1.7717/1.7723	0.5960
Main Bearing Set 1-2-3 4	TM-1	MS-2003P MB-3459P MB-3460P(F)	STD.,.25mm,.50mm,.75mm	1.6525/1.6530 1.6525/1.6530	0.0008/0.0024 0.0008/0.0024	0.0594 0.0594	1.7717/1.7723 1.7717/1.7723	0.7930 0.9830
NOTE: .75mm Undersized Set Contains .15mm Oversize Length Flanged Bearing								
Connecting Rod	29 To 33 Lbs.Ft.							
Main Bearing	30 To 35 Lbs.Ft.							
4 CYL								
2	1088CC (1.1L) EA61 4 Cyl (1971)			2.992in./76mm x 2.362in./60mm				2
Main Bearing Set 1-3 2	TM-1	MS-2083P MB-2739P MB-3579P(F)	STD.,.25mm	1.9667/1.9673 1.9667/1.9673	0.0008/0.0033 0.0008/0.0033	0.0791 0.0791	2.1260/2.1267 2.1260/2.1267	0.8270 1.0220
NOTE: All Sizes Contain Standard Length Flanged Bearing								
3	1267CC (1.3L) EA62 4 Cyl (1972) 1361CC (1.4L) EA63 4 Cyl (1973-1976)			3.208in./81.5mm x 2.362in./60mm 3.347in./85mm x 2.362in./60mm				3
Rod Bearing(4)	TM-1	CB-1217P	STD.,.25mm,.50mm,.75mm	1.7712/1.7717	0.0008/0.0033	0.0585	1.8898/1.8904	0.5510
Main Bearing Set 1-3 2	TM-1	MS-2083P MB-2739P MB-3579P(F)	STD.,.25mm	1.9667/1.9673 1.9667/1.9673	0.0008/0.0033 0.0008/0.0033	0.0791 0.0791	2.1260/2.1267 2.1260/2.1267	0.8270 1.0220
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Connecting Rod	29 To 31 Lbs.Ft. (1361CC (1.4L) EA63)							
Connecting Rod	36 Lbs.Ft. (1267CC (1.3L) EA62)							
Main Bearing	22 Lbs.Ft.							
4	1595CC (1.6L) EA71 4 Cyl (1976-1988)			3.622in./92mm x 2.362in./60mm				4
Rod Bearing(4)	TM-1	CB-1217P	STD.,.25mm,.50mm,.75mm	1.7712/1.7717	0.0008/0.0033	0.0585	1.8898/1.8904	0.5510
Main Bearing Set 1-3 2	TM-1	MS-1572P MB-2739P MB-2891P(F)	STD.,.25mm,.50mm	1.9667/1.9673 1.9672/1.9678	0.0008/0.0033 0.0008/0.0033	0.0791 0.0791	2.1260/2.1267 2.1260/2.1267	0.8270 1.0220
NOTE: From 10/78, .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing								
Main Bearing Set 1-3 2	TM-1	MS-2083P MB-2739P MB-3579P(F)	STD.,.25mm	1.9667/1.9673 1.9667/1.9673	0.0008/0.0033 0.0008/0.0033	0.0791 0.0791	2.1260/2.1267 2.1260/2.1267	0.8270 1.0220
NOTE: Thru 9/78, All Sizes Contain Standard Length Flanged Bearing								
Main Bearing Set 1-3 2	TM-1	MS-2084P-.25mm MB-2739P MB-3580P(F)	.50mm	1.9667/1.9673 1.9672/1.9678	0.0008/0.0033 0.0008/0.0033	0.0791 0.0791	2.1260/2.1267 2.1260/2.1267	0.8270 1.0220
NOTE: From 10/78, All Sizes Contain Standard Length Flanged Bearing								
Connecting Rod	29 To 31 Lbs.Ft.							
Main Bearing	19 Lbs.Ft. (8mm Bolts)							
Main Bearing	35 Lbs.Ft.							
Main Bearing	4 Lbs.Ft. (6mm Bolts)							
5	1781CC (1.8L) EA81 OHV 4 Cyl (1980-1989) 1781CC (1.8L) EA81T Turbo Turbocharged 4 Cyl (1983-1984) 1781CC (1.8L) EA82C OHC 4 Cyl (1985-1987) 1781CC (1.8L) EA82S OHC 4 Cyl (1985-1994) 1781CC (1.8L) EA82T OHC Turbo Turbocharged 4 Cyl (1985-1990)			3.622in./92mm x 2.638in./67mm 3.622in./92mm x 2.638in./67mm 3.622in./92mm x 2.638in./67mm 3.622in./92mm x 2.638in./67mm 3.622in./92mm x 2.638in./67mm				5
Rod Bearing(4)	TM-1	CB-1217P	STD.,.25mm,.50mm,.75mm	1.7712/1.7717	0.0008/0.0033	0.0585	1.8898/1.8904	0.5510
Main Bearing Set 1-3 2	AL-3	MS-1571AL MB-2889AL MB-2890AL(F)	STD.,.25mm,.50mm,.75mm	2.1637/2.1642 2.1637/2.1642	0.0007/0.0028 0.0007/0.0028	0.0795 0.0795	2.3226/2.3232 2.3226/2.3232	0.8270 1.0220
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing								
Connecting Rod	29 To 31 Lbs.Ft.							
Main Bearing	17 To 20 Lbs.Ft. (8mm Bolts)							
Main Bearing	29 To 35 Lbs.Ft. (1781CC (1.8L) EA81 OHV,1781CC (1.8L) EA81T Turbo,1781CC (1.8L) EA82C OHC,1781CC (1.8L) EA82S OHC,1781CC (1.8L) EA82T OHC Turbo)							
Main Bearing	3 To 4 Lbs.Ft. (6mm Bolts)							

SUBARU (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
6	1820CC (1.8L) EJ18E 4 Cyl (1993-1997)			3.461in./87.9mm x 2.953in./75mm				6
	2212CC (2.2L) EJ22E 4 Cyl (1990-1998)			3.815in./96.9mm x 2.953in./75mm				
	2212CC (2.2L) EJ22EZ 4 Cyl (1996-1998)			3.815in./96.9mm x 2.953in./75mm				
	2212CC (2.2L) EJ22T Turbo Turbocharged 4 Cyl (1991-1994)			3.815in./96.9mm x 2.953in./75mm				
Rod Bearing(4)	TM-1	CB-1657AL	STD,.25mm,.50mm	2.0466/2.0472	0.0006/0.0017	2.1648/2.1652		
Main Bearing Set	AL-3	MS-2062AL	STD,.25mm,.50mm					
1-5		MB-3552ALA		2.3616/2.3622	0.0004/0.0012	0.0791	2.5187/2.5197	0.5910
2-4		MB-3552ALB		2.3616/2.3622	0.0004/0.0012	0.0791	2.5187/2.5197	0.7480
3		MB-3553AL(F)		2.3616/2.3622	0.0004/0.0012	0.0791	2.5187/2.5197	0.8640
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing								
Connecting Rod	32 To 34 Lbs.Ft.							
Main Bearing	17 To 20 Lbs.Ft.							
7	2212CC (2.2L) EJ22# (EJ221, 222, 223) 4 Cyl (1999-2001)			3.815in./96.9mm x 2.953in./75mm				7
Rod Bearing(4)	TM-1	CB-1657AL	STD,.25mm,.50mm	2.0466/2.0472	0.0006/0.0017	2.1648/2.1652		
Connecting Rod	32 To 34 Lbs.Ft.							
Main Bearing	17 To 20 Lbs.Ft.							
8	2457CC (2.5L) EJ25D/EJ25DZ DOHC 4 Cyl (1996-1998)			3.917in./99.5mm x 3.110in./79mm				8
Main Bearing Set	AL-3	MS-2062AL	STD,.25mm,.50mm					
1-5		MB-3552ALA		2.3616/2.3622	0.0004/0.0012	0.0791	2.5187/2.5197	0.5910
2-4		MB-3552ALB		2.3616/2.3622	0.0004/0.0012	0.0791	2.5187/2.5197	0.7480
3		MB-3553AL(F)		2.3616/2.3622	0.0004/0.0012	0.0791	2.5187/2.5197	0.8640
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing								
6 CYL								
9	2672CC (2.7L) ER27 6 Cyl (1988-1991)			3.622in./92mm x 2.638in./67mm				9
Rod Bearing(6)	AL-3	CB-1470AL	STD,.25mm	1.7715/1.7720	0.0004/0.0039	0.0587	1.8898/1.8904	0.5760
Connecting Rod	29 To 31 Lbs.Ft.							
Main Bearing	17 To 20 Lbs.Ft. (8mm Bolts)							
Main Bearing	29 To 35 Lbs.Ft.							
SULLAIR CORPORATION								
ENGINE DATA								
Engine	Bore & Stroke		Block					
6466A John Deere 466 CID (7.6L)	4.563in./115.9mmX4.750in./120.7mm		1					
Diesel Turbocharged/Intercooled								
MODEL DATA								
Model	Model Type	Engine	Block					
150KW	Power Unit	466 CID (7.6L) 6466A John Deere Diesel	1					
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
1	466 CID (7.6L) 6466A John Deere Turbocharged/Intercooled Diesel 6 Cyl			4.563in./115.9mm x 4.750in./120.7mm				1
Rod Bearing(6)	TM-112	CB-1267P	STD,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900
Main Bearing Set	TM-112	MS-1529P	STD,10,20,30					
1-2-3-4-6-7		MB-2858P		3.3715/3.3725	0.0020/0.0050	0.1264	3.6270/3.6280	1.3900
5		MB-2859P		3.3720/3.3730	0.0015/0.0045	0.1264	3.6270/3.6280	1.6780
NOTE: Contains 3 Piece Thrust Washer Set, Use In Number 5 Position								

SUPERIOR DIESEL

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block			
6G825 4948 CID (81.1L) Diesel	10.000in./254mmX10.500in./266.7mm	1	12 CYL	10.000in./254mmX10.500in./266.7mm	3			
6G825T 4948 CID (81.1L) Diesel Turbocharged	10.000in./254mmX10.500in./266.7mm	1						
PTD-6 3575 CID (59L) Diesel	8.500in./215.9mmX10.500in./266.7mm	1						
PTL-6 3575 CID (59L) Diesel	8.500in./215.9mmX10.500in./266.7mm	1						
8 CYL								
8G825 6597 CID (108L) Diesel	10.000in./254mmX10.500in./266.7mm	2	16 CYL	10.000in./254mmX10.500in./266.7mm	4			
8G825T 6597 CID (108L) Diesel Turbocharged	10.000in./254mmX10.500in./266.7mm	2						
PTD-8 4767 CID (78L) Diesel	8.500in./215.9mmX10.500in./266.7mm	2						
PTL-8 4767 CID (78L) Diesel	8.500in./215.9mmX10.500in./266.7mm	2						
8 CYL								
12G825 9896 CID (162L) Diesel	10.000in./254mmX10.500in./266.7mm	3	12 CYL	10.000in./254mmX10.500in./266.7mm	3			
12G825SGT 9896 CID (162L) Diesel Turbocharged	10.000in./254mmX10.500in./266.7mm	3						
8 CYL								
16G825 13195 CID (216L) Diesel	10.000in./254mmX10.500in./266.7mm	4				16 CYL	10.000in./254mmX10.500in./266.7mm	4
16G825SGT 13195 CID (216L) Diesel Turbocharged	10.000in./254mmX10.500in./266.7mm	4						

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

6 CYL

1	3575 CID (59L) PTD-6,PTL-6 Diesel 6 Cyl			8.500in./215.9mm x 10.500in./266.7mm				1
	4948 CID (81.1L) 6G825 Diesel 6 Cyl			10.000in./254mm x 10.500in./266.7mm				
	4948 CID (81.1L) 6G825T Turbocharged Diesel 6 Cyl			10.000in./254mm x 10.500in./266.7mm				
Rod Bearing(6) TM-112 CB-1069P(L) STD NOTE: Dowel Pin Type Connecting Rods, Only Sold Separately, Lower				5.7490/5.7510	0.0043/0.0079	0.1856	6.1250/6.1260	3.6300
Rod Bearing(6) TM-112 CB-1069P(U) STD NOTE: Dowel Pin Type Connecting Rods, Only Sold Separately, Upper				5.7490/5.7510	0.0043/0.0079	0.1856	6.1250/6.1260	3.6300
Rod Bearing(12) TM-112 CB-1236P STD NOTE: Locating Lug Type Connecting Rods, Only Sold Separately,Upper And Lower Bearing Halves Have Locating Lug In The Same Position				5.7490/5.7510	0.0043/0.0079	0.1856	6.1250/6.1260	3.6300
Main Bearing(6) TM-112 MB-2618P(L) STD NOTE: Dowel Pin Type Main Bearings, Only Sold Separately, Lower				5.9990/6.0010	0.0033/0.0079	0.3105	6.6250/6.6260	3.5100
Main Bearing(7) TM-112 MB-2618P(U) STD NOTE: Dowel Pin Type Main Bearings, Only Sold Separately, Upper				5.9990/6.0010	0.0033/0.0079	0.3105	6.6250/6.6260	3.5100
Main Bearing(1) TM-112 MB-2619P(L) STD NOTE: Dowel Pin Type Main Bearings, Only Sold Separately, Lower, Contains Flanged Bearing				5.9990/6.0010	0.0033/0.0079	0.3105	6.6250/6.6260	4.1220
Main Bearing(13) TM-112 MB-2803P STD NOTE: Locating Lug Type Main Bearings, Only Sold Separately,Upper And Lower Bearing Halves Have Locating Lug In The Same Position				5.9990/6.0010	0.0033/0.0079	0.3105	6.6250/6.6260	3.5100
Cam Bearing(8) TM-112 SH-1314 STD NOTE: Sold In Pairs				2.2485/2.2495	0.0021/0.0051	0.1234	2.4990/2.5000	1.6300
Cam Thrust Washer Set(8) SH-1314W STD NOTE: Sold In Pairs, Use With Part Number SH-1314								0.1910
Piston Pin Bushing(6) C-1 223-3629 STD NOTE: Requires Boring						0.1380	3.7539/3.7545	1.5940

8 CYL

2	4767 CID (78L) PTD-8,PTL-8 Diesel V8 Cyl				8.500in./215.9mm x 10.500in./266.7mm				2
	6597 CID (108L) 8G825 Diesel V8 Cyl				10.000in./254mm x 10.500in./266.7mm				
	6597 CID (108L) 8G825T Turbocharged Diesel V8 Cyl				10.000in./254mm x 10.500in./266.7mm				
Rod Bearing(8)	TM-112	CB-1069P(L)	STD	5.7490/5.7510	0.0043/0.0079	0.1856	6.1250/6.1260	3.6300	
NOTE: Dowel Pin Type Connecting Rods, Only Sold Separately, Lower									
Rod Bearing(8)	TM-112	CB-1069P(U)	STD	5.7490/5.7510	0.0043/0.0079	0.1856	6.1250/6.1260	3.6300	
NOTE: Dowel Pin Type Connecting Rods, Only Sold Separately, Upper									
Rod Bearing(16)	TM-112	CB-1236P	STD	5.7490/5.7510	0.0043/0.0079	0.1856	6.1250/6.1260	3.6300	
NOTE: Locating Lug Type Connecting Rods, Only Sold Separately,Upper And Lower Bearing Halves Have Locating Lug In The Same Position									
Main Bearing(8)	TM-112	MB-2618P(L)	STD	5.9990/6.0010	0.0033/0.0079	0.3105	6.6250/6.6260	3.5100	
NOTE: Dowel Pin Type Main Bearings, Only Sold Separately, Lower									
Main Bearing(9)	TM-112	MB-2618P(U)	STD	5.9990/6.0010	0.0033/0.0079	0.3105	6.6250/6.6260	3.5100	
NOTE: Dowel Pin Type Main Bearings, Only Sold Separately, Upper									
Main Bearing(1)	TM-112	MB-2619P(L)	STD	5.9990/6.0010	0.0033/0.0079	0.3105	6.6250/6.6260	4.1220	
NOTE: Dowel Pin Type Main Bearings, Only Sold Separately, Lower, Contains Flanged Bearing									

SUPERIOR DIESEL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
2 (Cont.)	4767 CID (78L) PTD-8,PTL-8 Diesel V8 Cyl			8.500in./215.9mm x 10.500in./266.7mm				2 (Cont.)
	6597 CID (108L) 8G825 Diesel V8 Cyl			10.000in./254mm x 10.500in./266.7mm				
	6597 CID (108L) 8G825T Turbocharged Diesel V8 Cyl			10.000in./254mm x 10.500in./266.7mm				
Main Bearing(17)	TM-112	MB-2803P	STD	5.9990/6.0010	0.0033/0.0079	0.3105	6.6250/6.6260	3.5100
NOTE: Locating Lug Type Main Bearings, Only Sold Separately,Upper And Lower Bearing Halves Have Locating Lug In The Same Position								
Cam Bearing(10)	TM-112	SH-1314	STD	2.2485/2.2495	0.0021/0.0051	0.1234	2.4990/2.5000	1.6300
NOTE: Sold In Pairs								
Cam Thrust Washer Set(10)		SH-1314W	STD					0.1910
NOTE: Sold In Pairs, Use With Part Number SH-1314								
Piston Pin Bushing(6)	C-1	223-3629	STD					0.1380 3.7539/3.7545 1.5940
NOTE: Requires Boring								
12 CYL								
3	9896 CID (162L) 12G825 Diesel V12 Cyl			10.000in./254mm x 10.500in./266.7mm				3
	9896 CID (162L) 12G825SGT Turbocharged Diesel V12 Cyl			10.000in./254mm x 10.500in./266.7mm				
Rod Bearing(12)	TM-112	CB-1395P(L)	STD	6.3740/6.3760	0.0030/0.0084	0.2045	6.7880/6.7890	2.5310
NOTE: Only Sold Separately, Lower								
Rod Bearing(12)	TM-112	CB-1395P(U)	STD	6.3740/6.3760	0.0030/0.0084	0.2045	6.7880/6.7890	2.5310
NOTE: Only Sold Separately, Upper								
Main Bearing(7)	TM-112	MB-3098P(L)	STD	7.9990/8.0010	0.0030/0.0084	0.2638	8.5350/8.5360	4.8750
NOTE: Only Sold Separately, Lower								
Main Bearing(7)	TM-112	MB-3098P(U)	STD	7.9990/8.0010	0.0030/0.0084	0.2638	8.5350/8.5360	4.8750
NOTE: Only Sold Separately, Upper								
Thrust Washer(2)	TM-112	MB-3098W	STD	8.5450/8.5650				9.8740/9.8750 0.5300
NOTE: Only Sold Separately								
Piston Pin Bushing(6)	C-1	223-3629	STD					0.1380 3.7539/3.7545 1.5940
NOTE: Requires Boring								
16 CYL								
4	13195 CID (216L) 16G825 Diesel V16 Cyl			10.000in./254mm x 10.500in./266.7mm				4
	13195 CID (216L) 16G825SGT Turbocharged Diesel V16 Cyl			10.000in./254mm x 10.500in./266.7mm				
Rod Bearing(16)	TM-112	CB-1395P(L)	STD	6.3740/6.3760	0.0030/0.0084	0.2045	6.7880/6.7890	2.5310
NOTE: Only Sold Separately, Lower								
Rod Bearing(16)	TM-112	CB-1395P(U)	STD	6.3740/6.3760	0.0030/0.0084	0.2045	6.7880/6.7890	2.5310
NOTE: Only Sold Separately, Upper								
Main Bearing(9)	TM-112	MB-3098P(L)	STD	7.9990/8.0010	0.0030/0.0084	0.2638	8.5350/8.5360	4.8750
NOTE: Only Sold Separately, Lower								
Main Bearing(9)	TM-112	MB-3098P(U)	STD	7.9990/8.0010	0.0030/0.0084	0.2638	8.5350/8.5360	4.8750
NOTE: Only Sold Separately, Upper								
Thrust Washer(2)	TM-112	MB-3098W	STD	8.5450/8.5650				9.8740/9.8750 0.5300
NOTE: Only Sold Separately								
Piston Pin Bushing(6)	C-1	223-3629	STD					0.1380 3.7539/3.7545 1.5940
NOTE: Requires Boring								

SUZUKI

ENGINE DATA

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
3 CYL				4 CYL (Cont.)			
993CC (1.0L) SOHC	1985-1988	2.913in./74mmX3.031in./77mm	1	1298CC (1.3L) SOHC	1989-1998	2.913in./74mmX2.972in./75.5mm	3
993CC (1.0L) SOHC Turbocharged	1987-1993	2.913in./74mmX3.031in./77mm	1	1324CC (1.3L) G13A	1986-1989	2.913in./74mmX3.031in./77mm	3
4 CYL				1590CC (1.6L) G16A SOHC (16 Valve)	1998	2.953in./75mmX3.543in./90mm	5
797CC (0.8L) F8A	1977-1990	2.441in./62mmX2.598in./66mm	2	1590CC (1.6L) G16KC (8 Valve)	1989-1995	2.953in./75mmX3.543in./90mm	5
970CC (1.0L) F10A SOHC	1982-1990	2.579in./65.5mmX2.835in./72mm	2	1590CC (1.6L) G16KV (16 Valve)	1992-1998	2.953in./75mmX3.543in./90mm	5
1298CC (1.3L) G13BA SOHC	1989-1995	2.913in./74mmX2.972in./75.5mm	3				
1298CC (1.3L) G13K DOHC	1989-1994	2.913in./74mmX2.972in./75.5mm	4				

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
Celvo 1.0	970CC (1.0L) F10A SOHC	1982-1990	2	Samurai	1298CC (1.3L) G13BA SOHC	1990-1995	3
Cultus 1000	993CC (1.0L) SOHC	1987-1993	1	Samurai	1298CC (1.3L) SOHC	1990-1991	3
Esteem	1590CC (1.6L) G16KV (16 Valve)	1995-1998	5	Samurai	1324CC (1.3L) G13A	1986-1989	3
Esteem	1590CC (1.6L) G16A SOHC (16 Valve)	1998-2000	5	Sidekick	1298CC (1.3L) G13BA SOHC	1989	3
Forsa	993CC (1.0L) SOHC	1985-1988	1	Sidekick	1590CC (1.6L) G16KC (8 Valve)	1989-1995	5
Forsa Turbo	993CC (1.0L) SOHC	1987-1988	1	Sidekick	1590CC (1.6L) G16KV (16 Valve)	1992-1998	5
Gemini 8	797CC (0.8L) F8A	1977-1990	2	Swift	1298CC (1.3L) G13K DOHC	1989-1994	4
SJ410	970CC (1.0L) F10A SOHC	1982-1985	2	Swift	1298CC (1.3L) SOHC	1989-2001	3
SJ410	993CC (1.0L) SOHC	1980-1985	1	X90	1590CC (1.6L) G16KV (16 Valve)	1996-1998	5

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

3 CYL

1	993CC (1.0L) SOHC 3 Cyl (1985-1988) 993CC (1.0L) SOHC Turbocharged 3 Cyl (1987-1993)				2.913in./74mm x 3.031in./77mm 2.913in./74mm x 3.031in./77mm			1
Rod Bearing(3)	AL-3	CB-1401AL	STD.,25mm.,50mm.,75mm	1.6535/1.6543	0.0008/0.0027	0.0587	1.7717/1.7724	0.7130
Main Bearing Set 1-2-3-4	AL-3	MS-1708AL MB-3172AL	STD.,25mm.,50mm.,75mm	1.7717/1.7724	0.0008/0.0027	0.0787	1.9291/1.9298	0.7080
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-455S								
Thrust Washer Set		TW-455S MB-3172W	STD	2.0472			2.6772	0.0990
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1708AL								
Connecting Rod	24 To 27 Lbs.Ft.							
Main Bearing	36 To 41 Lbs.Ft.							

4 CYL

2	797CC (0.8L) F8A 4 Cyl (1977-1990) 970CC (1.0L) F10A SOHC 4 Cyl (1982-1990)				2.441in./62mm x 2.598in./66mm 2.579in./65.5mm x 2.835in./72mm			2
Rod Bearing(4)	AL-3	CB-1452AL	STD.,25mm.,50mm.,75mm	1.4955/1.4961	0.0007/0.0025	0.0588	1.6141/1.6149	0.7090
Main Bearing Set 1-2-3-4-5	AL-3	MS-1753AL MB-3132AL	STD.,25mm.,50mm	1.9675/1.9685	0.0007/0.0025	0.0784	2.1259/2.1267	0.7930
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-471S								
Thrust Washer Set		TW-471S MB-3132W	STD	2.2441			2.8740	0.0990
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1753AL								
Piston Pin Bushing(4)	B	223-3616	STD			0.0452	0.0709	0.0866
Connecting Rod	20 To 23 Lbs.Ft.							
Main Bearing	40 To 43 Lbs.Ft.							

3	1298CC (1.3L) G13BA SOHC 4 Cyl (1989-1995) 1298CC (1.3L) SOHC 4 Cyl (1989-1998) 1324CC (1.3L) G13A 4 Cyl (1986-1989)				2.913in./74mm x 2.972in./75.5mm 2.913in./74mm x 2.972in./75.5mm 2.913in./74mm x 3.031in./77mm			3
Rod Bearing(4)	AL-3	CB-1401AL	STD.,25mm.,50mm.,75mm	1.6535/1.6543	0.0008/0.0027	0.0587	1.7717/1.7724	0.7130

SUZUKI (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
3 (Cont.)	1298CC (1.3L) G13BA SOHC 4 Cyl (1989-1995)			2.913in./74mm x 2.972in./75.5mm				3 (Cont.)	
	1298CC (1.3L) SOHC 4 Cyl (1989-1998)			2.913in./74mm x 2.972in./75.5mm					
	1324CC (1.3L) G13A 4 Cyl (1986-1989)			2.913in./74mm x 3.031in./77mm					
Main Bearing Set 1-2-3-4-5 NOTE: 1298CC (1.3L) G13BA SOHC (1989-1995),1298CC (1.3L) SOHC (1989-1994),1324CC (1.3L) G13A (1986-1989), Requires Thrust Washer Set, Not Included, Use With Part Number TW-455S				1.7717/1.7724	0.0008/0.0027	0.0787	1.9291/1.9298	0.7080	
		AL-3	MS-1779AL MB-3172AL	STD.,25mm.,50mm.,75mm					
Thrust Washer Set NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1779AL				2.0472	2.6772			0.0990	
		TW-455S	STD MB-3172W						
Connecting Rod 24 To 27 Lbs.Ft. Main Bearing 37 To 41 Lbs.Ft.									
4 CYL									
4	1298CC (1.3L) G13K DOHC 4 Cyl (1989-1994)			2.913in./74mm x 2.972in./75.5mm				4	
	Main Bearing Set 1-2-3-4-5 NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-455S			1.7717/1.7724	0.0008/0.0027	0.0787	1.9291/1.9298		0.7080
	Thrust Washer Set NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1779AL			2.0472	2.6772				0.0990
		AL-3	MS-1779AL MB-3172AL	STD.,25mm.,50mm.,75mm					
		TW-455S	STD MB-3172W						
Connecting Rod 24 To 27 Lbs.Ft. Main Bearing 37 To 41 Lbs.Ft.									
5 CYL									
5	1590CC (1.6L) G16A SOHC (16 Valve) 4 Cyl (1998)			2.953in./75mm x 3.543in./90mm				5	
	1590CC (1.6L) G16KC (8 Valve) 4 Cyl (1989-1995)			2.953in./75mm x 3.543in./90mm					
	1590CC (1.6L) G16KV (16 Valve) 4 Cyl (1992-1998)			2.953in./75mm x 3.543in./90mm					
Rod Bearing(4)				1.7316/1.7325	0.0008/0.0031	0.0591	1.8504/1.8513	0.7130	
		AL-3	CB-1477AL	STD.,25mm.,50mm.,75mm					
Main Bearing Set 1-2-3-4-5 NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-478S				2.0468/2.0472	0.0012/0.0025	0.0792	2.2047/2.0254	0.7130	
		AL-3	MS-1820AL MB-3209AL	STD.,25mm.,50mm.,75mm					
		TW-478S	STD MB-3209W						
Connecting Rod 24 To 27 Lbs.Ft. Main Bearing 37 To 41 Lbs.Ft.				2.3327/2.3333	2.9531			0.0990	
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1820AL									
THERMO KING REEFER									
ENGINE DATA									
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block		
C201PT Isuzu 1991CC (2.0L) Diesel	3.268in./83mmX3.622in./92mm		1	C221 Isuzu 2207CC (2.2L) Diesel	3.268in./83mmX4.016in./102mm		2		
MODEL DATA									
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block		
	Refrigeration Unit	1991CC (2.0L) C201PT Isuzu Diesel	1	Super	Refrigeration Unit	1991CC (2.0L) C201PT Isuzu Diesel	1		
	Refrigeration Unit	2207CC (2.2L) C221 Isuzu Diesel	2	XNWD	Refrigeration Unit	1991CC (2.0L) C201PT Isuzu Diesel	1		
SB I	Refrigeration Unit	1991CC (2.0L) C201PT Isuzu Diesel	1	XNWD/ESPt	Refrigeration Unit	1991CC (2.0L) C201PT Isuzu Diesel	1		
SB ICDI/ESPt	Refrigeration Unit	1991CC (2.0L) C201PT Isuzu Diesel	1						
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL									
1	1991CC (2.0L) C201PT Isuzu Diesel 4 Cyl			3.268in./83mm x 3.622in./92mm				1	
Rod Bearing(4)	TM-77	CB-1093P	STD.,25mm.,50mm	2.0833/2.0838	0.0011/0.0028	0.0593	2.2041/2.2047	0.8870	

THERMO KING REEFER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
1 (Cont.)	1991CC (2.0L) C201PT Isuzu Diesel 4 Cyl			3.268in./83mm x 3.622in./92mm				1 (Cont.)
Main Bearing Set	TM-77	MS-1293P	STD.,.25mm,.50mm					
1-5		MB-953P		2.7527/2.7532	0.0011/0.0032	0.0790	2.9123/2.9133	1.2010
2-4		MB-954P		2.7527/2.7532	0.0011/0.0032	0.0790	2.9123/2.9133	0.8470
3		MB-955P		2.7527/2.7532	0.0011/0.0032	0.0790	2.9123/2.9133	1.4200
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-265S								
Thrust Washer Set		TW-265S	STD					
		MB-956W(U)		3.0709/3.0906			3.6339/3.6535	0.0980
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1293P								
Piston Pin Bushing	C-1	223-3554	STD			0.0590	1.1022/1.1024	1.3386
2	2207CC (2.2L) C221 Isuzu Diesel 4 Cyl (1969-1979)			3.268in./83mm x 4.016in./102mm				2
Rod Bearing(4)	TM-77	CB-1093P	STD.,.25mm,.50mm	2.0833/2.0838	0.0011/0.0028	0.0593	2.2041/2.2047	0.8870
Main Bearing Set	TM-77	MS-1293P	STD.,.25mm,.50mm					
1-5		MB-953P		2.7527/2.7532	0.0011/0.0032	0.0790	2.9123/2.9133	1.2010
2-4		MB-954P		2.7527/2.7532	0.0011/0.0032	0.0790	2.9123/2.9133	0.8470
3		MB-955P		2.7527/2.7532	0.0011/0.0032	0.0790	2.9123/2.9133	1.4200
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-265S								
Thrust Washer Set		TW-265S	STD					
		MB-956W(U)		3.0709/3.0906			3.6339/3.6535	0.0980
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1293P								
Cam Bearing Set	B-1	SH-907S	STD					
1		SH-907		1.8876/1.8887	0.0012/0.0031	0.0790	2.0472/2.0486	0.9840
2		SH-908		1.8882/1.8886	0.0012/0.0031	0.0790	2.0476/2.0484	0.9840
3		SH-909		1.8882/1.8886	0.0012/0.0031	0.0790	2.0476/2.0484	0.9840
Piston Pin Bushing(4)		223-3658						
Connecting Rod	60 Lbs.Ft.							
Main Bearing	130 Lbs.Ft.							

TOYOTA

ENGINE DATA							
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
1077CC (1.1L) KC OHV	1968-1969	2.953in./75mmX2.402in./61mm	1	1588CC (1.6L) 2TC OHV	1971-1979	3.346in./85mmX2.756in./70mm	11
1166CC (1.2L) 3KC OHV	1969-1979	2.953in./75mmX2.598in./66mm	1	1762CC (1.8L) 7AFE	1993-1997	3.189in./81mmX3.366in./85.5mm	12
1290CC (1.3L) 4KC OHV	1981-1982	2.953in./75mmX2.874in./73mm	1	DOHC			
1290CC (1.3L) 4KE OHV	1983-1984	2.953in./75mmX2.874in./73mm	2	1770CC (1.8L) 3TC OHV	1980-1982	3.346in./85mmX3.071in./78mm	13
1345CC (1.3L) 3P	1967-1978	3.012in./76.5mmX3.110in./79mm	3	1839CC (1.8L) 1C Diesel	1985-1990	3.268in./83mmX3.346in./85mm	14
1452CC (1.5L) 1AC SOHC	1980	3.051in./77.5mmX3.031in./77mm	4	1839CC (1.8L) 1CL Diesel	1985-1990	3.268in./83mmX3.346in./85mm	14
1452CC (1.5L) 3AC SOHC	1981-1988	3.051in./77.5mmX3.031in./77mm	5	1839CC (1.8L) 1CLC	1984-1985	3.268in./83mmX3.346in./85mm	15
1456CC (1.5L) 3E SOHC	1987-1990	2.874in./73mmX3.425in./87mm	6	SOHC Diesel			
12 Valve				1839CC (1.8L) 1CTL	1984-1985	3.268in./83mmX3.346in./85mm	15
1456CC (1.5L) 3EE SOHC	1991-1994	2.874in./73mmX3.425in./87mm	6	SOHC Turbo			
12 Valve				Turbocharged Diesel			
1490CC (1.5L) 2R	1964-1970	3.071in./78mmX3.071in./78mm	7	1858CC (1.9L) 8RC	1969-1971	3.386in./86mmX3.150in./80mm	16
1493CC (1.5L) 4P	1967-1992	3.012in./76.5mmX3.189in./81mm	3	SOHC			
1497CC (1.5L) 5EFE	1992-1998	2.913in./74mmX3.420in./87mm	6	1897CC (1.9L) 3RB OHV	1965-1970	3.465in./88mmX3.071in./78mm	17
DOHC				1897CC (1.9L) 3RC OHV	1965-1970	3.465in./88mmX3.071in./78mm	17
1587CC (1.6L) 4AC SOHC	1983-1987	3.189in./81mmX3.031in./77mm	5	1968CC (2.0L) 18RC	1972-1974	3.484in./88.5mmX3.150in./80mm	18
1587CC (1.6L) 4AF DOHC	1988-1989	3.189in./81mmX3.031in./77mm	8	SOHC			
1587CC (1.6L) 4AFE	1989-1997	3.189in./81mmX3.031in./77mm	8	1974CC (2.0L) 2C Diesel	1985-1990	3.386in./86mmX3.346in./85mm	14
DOHC				1974CC (2.0L) 2CL Diesel	1985-1990	3.386in./86mmX3.346in./85mm	14
1587CC (1.6L) 4AGE	1988-1991	3.189in./81mmX3.031in./77mm	9	1974CC (2.0L) 2CTL	1986	3.386in./86mmX3.346in./85mm	15
DOHC				SOHC Turbocharged			
1587CC (1.6L) 4AGEC	1985-1987	3.189in./81mmX3.031in./77mm	10	Diesel			
DOHC				1994CC (2.0L) 5R OHV	1967-1986	3.465in./88mmX3.228in./82mm	19
1587CC (1.6L) 4AGELC	1985-1989	3.189in./81mmX3.031in./77mm	10	1995CC (2.0L) 2SELC	1983-1986	3.307in./84mmX3.543in./90mm	20
DOHC				SOHC			
1587CC (1.6L) 4AGZE	1988-1989	3.189in./81mmX3.031in./77mm	9	1998CC (2.0L) 3SFE	1987-1998	3.386in./86mmX3.386in./86mm	21
DOHC Supercharged				DOHC			
1587CC (1.6L) 4ALC	1984-1988	3.189in./81mmX3.031in./77mm	8	1998CC (2.0L) 3SGELC	1986-1989	3.386in./86mmX3.386in./86mm	20
SOHC				DOHC			

TOYOTA (Cont.)

ENGINE DATA (Cont.)

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
1998CC (2.0L) 3SGTE DOHC Turbocharged	1988-1995	3.386in./86mmX3.386in./86mm	22	6 CYL (Cont.)			
1998CC (2.0L) 3YEC OHV	1984-1985	3.386in./86mmX3.386in./86mm	23	2253CC (2.3L) 2M SOHC	1968-1972	2.953in./75mmX3.346in./85mm	41
2164CC (2.2L) 5SFE DOHC	1990-1998	3.425in./87mmX3.583in./91mm	24	2496CC (2.5L) 4VZFE DOHC	1988-1995	3.445in./87.5mmX2.724in./69.2mm	42
2188CC (2.2L) L SOHC Diesel	1981-1983	3.543in./90mmX3.386in./86mm	25	2507CC (2.5L) 2VZFE DOHC	1988-1991	3.445in./87.5mmX2.756in./70mm	40
2189CC (2.2L) 20R SOHC	1975-1980	3.484in./88.5mmX3.504in./89mm	26	2563CC (2.6L) 4M SOHC	1971-1979	3.150in./80mmX3.346in./85mm	41
2237CC (2.2L) 4YEC OHV	1986-1990	3.583in./91mmX3.386in./86mm	23	2563CC (2.6L) 4ME SOHC	1979-1980	3.150in./80mmX3.346in./85mm	43
2362CC (2.4L) 2AZFE DOHC VVTi 16 Valve	2001-2005	3.484in./88.5mmX3.780in./96mm	27	2759CC (2.8L) 5ME SOHC	1981-1982	3.268in./83mmX3.346in./85mm	43
2366CC (2.4L) 22R SOHC	1981-1990	3.622in./92mmX3.502in./89mm	28	2759CC (2.8L) 5MGE DOHC	1982-1988	3.268in./83mmX3.346in./85mm	44
2366CC (2.4L) 22RE SOHC	1989-1995	3.622in./92mmX3.504in./89mm	29	2954CC (3.0L) 7MGE DOHC	1987-1992	3.268in./83mmX3.583in./91mm	45
2366CC (2.4L) 22REC SOHC	1983-1988	3.622in./92mmX3.504in./89mm	30	2954CC (3.0L) 7MGTE DOHC Turbocharged	1987-1992	3.268in./83mmX3.583in./91mm	45
2366CC (2.4L) 22RTEC SOHC Turbocharged	1985-1988	3.622in./92mmX3.504in./89mm	29	2958CC (3.0L) 3VZE SOHC	1988-1995	3.445in./87.5mmX3.228in./82mm	46
2438CC (2.4L) 2RZFE DOHC	1995-2001	3.740in./95mmX3.390in./86.1mm	31	2959CC (3.0L) 3VZFE DOHC	1992-1993	3.445in./87.5mmX3.228in./82mm	42
2446CC (2.4L) 2L SOHC Diesel	1984-1985	3.622in./92mmX3.622in./92mm	32	2995CC (3.0L) 1MZFE DOHC	1994-2002	3.445in./87.5mmX3.268in./83mm	47
2446CC (2.4L) 2LT SOHC Turbocharged Diesel	1985-1987	3.622in./92mmX3.622in./92mm	33	2997CC (3.0L) 2JZGE DOHC	1993-1998	3.386in./86mmX3.386in./86mm	48
2694CC (2.7L) 3RZFE DOHC	1994-2001	3.740in./95mmX3.740in./95mm	34	2997CC (3.0L) 2JZGTE DOHC Turbocharged	1993-1998	3.386in./86mmX3.386in./86mm	48
2771CC (2.8L) 5P		3.661in./93mmX4.016in./102mm	35	3378CC (3.4L) 5VZFE DOHC	1995-2002	3.681in./93.5mmX3.228in./82mm	49
2977CC (3.0L) 11B Diesel	1984-1990	3.740in./95mmX4.134in./105mm	36	3878CC (3.9L) F	1969-1975	3.543in./90mmX4.016in./102mm	50
2977CC (3.0L) B Diesel	1972-1990	3.740in./95mmX4.134in./105mm	37	3956CC (4.0L) 3FE OHV	1988-1992	3.701in./94mmX3.740in./95mm	51
3168CC (3.2L) 2B Diesel	1977-1982	3.858in./98mmX4.134in./105mm	38	4230CC (4.2L) 2F OHV	1975-1987	3.701in./94mmX4.016in./102mm	52
3431CC (3.4L) 13B Diesel	1984-1990	4.016in./102mmX4.134in./105mm	36	4476CC (4.5L) 1FZFE DOHC	1993-1997	3.937in./100mmX3.740in./95mm	53
3431CC (3.4L) 13BT Turbocharged Diesel	1984-1990	4.016in./102mmX4.134in./105mm	36				
3431CC (3.4L) 3B Diesel	1980-1990	4.016in./102mmX4.134in./105mm	39				
6 CYL							
1992CC (2.0L) 1VZFE DOHC	1987-1995	3.071in./78mmX2.736in./69.5mm	40				

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
4 Runner	2366CC (2.4L) 22R SOHC	1984	28	Camry	2362CC (2.4L) 2AZFE DOHC VVTi 16 Valve	2002-2005	27
4 Runner	2366CC (2.4L) 22REC SOHC	1985-1989	30	Camry	2507CC (2.5L) 2VZFE DOHC	1988-1991	40
4 Runner	2366CC (2.4L) 22RTEC SOHC	1986-1988	29	Camry	2959CC (3.0L) 3VZFE DOHC	1992-1993	42
4 Runner	2366CC (2.4L) 22RE SOHC	1989-1995	29	Camry	2995CC (3.0L) 1MZFE DOHC	1994-2005	47
4 Runner	2694CC (2.7L) 3RZFE DOHC	1996-2000	34	Carina	1588CC (1.6L) 2TC OHV	1971-1979	11
4 Runner	2958CC (3.0L) 3VZE SOHC	1988-1995	46	Celica	1587CC (1.6L) 4AFE DOHC	1990-1993	8
4 Runner	3378CC (3.4L) 5VZFE DOHC	1996-2002	49	Celica	1762CC (1.8L) 7AFE DOHC	1994-1997	12
	1345CC (1.3L) 3P	1967-1975	3	Celica	1858CC (1.9L) 8RC SOHC	1969-1971	16
	1839CC (1.8L) 1CL Diesel	1985-1990	14	Celica	1968CC (2.0L) 18RC SOHC	1972-1974	18
	1839CC (1.8L) 1C Diesel	1985-1990	14	Celica	1995CC (2.0L) 2SELC SOHC	1986	20
	1974CC (2.0L) 2C Diesel	1985-1990	14	Celica	1998CC (2.0L) 3SGELC DOHC	1986-1989	20
	1974CC (2.0L) 2CL Diesel	1985-1990	14	Celica	1998CC (2.0L) 3SFE DOHC	1987-1989	21
	1992CC (2.0L) 1VZFE DOHC	1987-1995	40	Celica	1998CC (2.0L) 3SGTE DOHC	1988-1993	22
	2496CC (2.5L) 4VZFE DOHC	1988-1995	42	Celica	2164CC (2.2L) 5SFE DOHC	1990-1999	24
	2977CC (3.0L) B Diesel	1972-1990	37	Celica	2189CC (2.2L) 20R SOHC	1975-1980	26
	2977CC (3.0L) 11B Diesel	1984-1990	36	Celica	2366CC (2.4L) 22R SOHC	1981-1983	28
	3168CC (3.2L) 2B Diesel	1977-1982	38	Celica	2366CC (2.4L) 22REC SOHC	1983-1985	30
	3431CC (3.4L) 13B Diesel	1984-1990	36	Celica	2563CC (2.6L) 4ME SOHC	1979-1980	43
	3431CC (3.4L) 13BT Diesel	1984-1990	36	Celica Supra	2759CC (2.8L) 5ME SOHC	1981	43
	3431CC (3.4L) 3B Diesel	1980-1990	39	Celica Supra	2759CC (2.8L) 5MGE DOHC	1982-1986	44
Avalon	2995CC (3.0L) 1MZFE DOHC	1995-2004	47	Corolla	1077CC (1.1L) KC OHV	1968-1974	1
Camry	1839CC (1.8L) 1CTLC SOHC Turbo Diesel	1984-1985	15	Corolla	1166CC (1.2L) 3KC OHV	1969-1979	1
Camry	1974CC (2.0L) 2CTLC SOHC Diesel	1986	15	Corolla	1587CC (1.6L) 4AC SOHC	1983-1987	5
Camry	1995CC (2.0L) 2SELC SOHC	1983-1986	20	Corolla	1587CC (1.6L) 4ALC SOHC	1984-1988	8
Camry	1998CC (2.0L) 3SFE DOHC	1987-1991	21	Corolla	1587CC (1.6L) 4AGEC DOHC	1985-1987	10
Camry	2164CC (2.2L) 5SFE DOHC	1992-2001	24	Corolla	1587CC (1.6L) 4AGELC DOHC	1987-1988	10

TOYOTA (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Corolla	1587CC (1.6L) 4AF DOHC	1988-1989	8	MR2	2164CC (2.2L) 5SFE DOHC	1990-1995	24
Corolla	1587CC (1.6L) 4AGE DOHC	1988-1991	9	Microbus	1994CC (2.0L) 5R OHV	1967-1978	19
Corolla	1587CC (1.6L) 4AFE DOHC	1988-1997	8	Paseo	1497CC (1.5L) 5EFE DOHC	1991-1999	6
Corolla	1588CC (1.6L) 2TC OHV	1971-1979	11	Pickup	1968CC (2.0L) 18RC SOHC	1972-1974	18
Corolla	1762CC (1.8L) 7AFE DOHC	1993-1997	12	Pickup	2188CC (2.2L) L SOHC Diesel	1981-1983	25
Corolla	1770CC (1.8L) 3TC OHV	1980-1982	13	Pickup	2189CC (2.2L) 20R SOHC	1975-1980	26
Corolla	1839CC (1.8L) 1CLC SOHC Diesel	1984-1985	15	Pickup	2366CC (2.4L) 22R SOHC	1981-1990	28
Corona	1345CC (1.3L) 3P	1967-1974	3	Pickup	2366CC (2.4L) 22REC SOHC	1984-1988	30
Corona	1490CC (1.5L) 2R	1965-1969	7	Pickup	2366CC (2.4L) 22RTEC SOHC	1985-1988	29
Corona	1858CC (1.9L) 8RC SOHC	1970-1971	16	Pickup	2366CC (2.4L) 22RE SOHC	1989-1995	29
Corona	1897CC (1.9L) 3RC OHV	1965-1970	17	Pickup	2446CC (2.4L) 2L SOHC Diesel	1984-1987	32
Corona	1968CC (2.0L) 18RC SOHC	1972-1973	18	Pickup	2446CC (2.4L) 2LT SOHC Diesel	1985-1987	33
Corona	2189CC (2.2L) 20R SOHC	1975-1980	26	Pickup	2958CC (3.0L) 3VZE SOHC	1988-1995	46
Corona	2366CC (2.4L) 22R SOHC	1981-1982	28	Rav 4	1998CC (2.0L) 3SFE DOHC	1996-2000	21
Corona Mk II	1858CC (1.9L) 8RC SOHC	1969-1971	16	Rav 4	2362CC (2.4L) 2AZFE DOHC	2004-2005	27
Corona Mk II	1968CC (2.0L) 18RC SOHC	1972	18		VVTi 16 Valve		
Corona Mk II	2253CC (2.3L) 2M SOHC	1972	41	Sienna	2995CC (3.0L) 1MZFE DOHC	1998-2003	47
Corona Mk II	2563CC (2.6L) 4M SOHC	1973-1976	41	Solara	2362CC (2.4L) 2AZFE DOHC	2002-2005	27
Cressida	2563CC (2.6L) 4M SOHC	1978-1979	41		VVTi 16 Valve		
Cressida	2563CC (2.6L) 4ME SOHC	1980	43	Solara	2995CC (3.0L) 1MZFE DOHC	1999-2003	47
Cressida	2759CC (2.8L) 5ME SOHC	1981-1982	43	Starlet	1290CC (1.3L) 4KC OHV	1980-1982	1
Cressida	2759CC (2.8L) 5MGE DOHC	1983-1988	44	Starlet	1290CC (1.3L) 4KE OHV	1983-1984	2
Cressida	2954CC (3.0L) 7MGE DOHC	1989-1992	45	Stout	1897CC (1.9L) 3RB OHV	1965-1970	17
Crown	1897CC (1.9L) 3RC OHV	1965-1970	17	Stout	1897CC (1.9L) 3RC OHV	1968-1970	17
Crown	2253CC (2.3L) 2M SOHC	1968-1971	41	Stout	1994CC (2.0L) 5R OHV	1967-1982	19
Crown	2563CC (2.6L) 4M SOHC	1971-1974	41	Supra	2954CC (3.0L) 7MGE DOHC	1986-1993	45
Dyna	1994CC (2.0L) 5R OHV	1967-1982	19	Supra	2954CC (3.0L) 7MGTE DOHC	1987-1993	45
Forklift	1345CC (1.3L) 3P		3		Turbocharged		
Forklift	1490CC (1.5L) 2R		7	Supra	2997CC (3.0L) 2JZGE DOHC	1993-1998	48
Forklift	1493CC (1.5L) 4P		3	Supra	2997CC (3.0L) 2JZGTE DOHC	1993-1998	48
Forklift	1994CC (2.0L) 5R OHV		19	T100	2694CC (2.7L) 3RZFE DOHC	1994-1998	34
Forklift	2771CC (2.8L) 5P		35	T100	2958CC (3.0L) 3VZE SOHC	1993-1994	46
Highlander	2362CC (2.4L) 2AZFE DOHC	2001-2005	27	T100	3378CC (3.4L) 5VZFE DOHC	1995-1998	49
	VVTi 16 Valve			Tacoma	2438CC (2.4L) 2RZFE DOHC	1995-2004	31
Highlander	2995CC (3.0L) 1MZFE DOHC	2001-2003	47	Tacoma	2694CC (2.7L) 3RZFE DOHC	1995-2004	34
Hilux	1858CC (1.9L) 8RC SOHC	1968-1971	16	Tacoma	3378CC (3.4L) 5VZFE DOHC	1995-2004	49
Hilux	1897CC (1.9L) 3RC OHV	1968-1970	17	Tercel	1452CC (1.5L) 1AC SOHC	1980	4
Hilux	1968CC (2.0L) 18RC SOHC	1972-1975	18	Tercel	1452CC (1.5L) 3AC SOHC	1981-1988	5
Land Cruiser	2977CC (3.0L) B Diesel	1978-1980	37	Tercel	1456CC (1.5L) 3E SOHC 12 Valve	1987-1990	6
Land Cruiser	3431CC (3.4L) 3B Diesel	1981-1985	39	Tercel	1456CC (1.5L) 3EE SOHC 12 Valve	1990-1994	6
Land Cruiser	3878CC (3.9L) F	1968-1975	50	Tercel	1497CC (1.5L) 5EFE DOHC	1995-1999	6
Land Cruiser	3956CC (4.0L) 3FE OHV	1988-1992	51	Toy-Ace	1493CC (1.5L) 4P	1972-1998	3
Land Cruiser	4230CC (4.2L) 2F OHV	1975-1987	52	Toy-Ace	1994CC (2.0L) 5R OHV	1967-1982	19
Land Cruiser	4476CC (4.5L) 1FZFE DOHC	1993-1997	53	Tundra	3378CC (3.4L) 5VZFE DOHC	2000-2004	49
MR2	1587CC (1.6L) 4AGELC DOHC	1985-1989	10	Van	1998CC (2.0L) 3YEC OHV	1984-1985	23
MR2	1587CC (1.6L) 4AGZE DOHC	1988-1989	9	Van	2237CC (2.2L) 4YEC OHV	1986-1990	23
MR2	1998CC (2.0L) 3SGTE DOHC	1990-1995	22				

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1	2.756in./70mm	11	2MG2	3.346in./85mm	44	3B	3.031in./77mm	4	3KC	3.031in./77mm	5
1A	3.031in./77mm	4	3A	2.598in./66mm	1	3B	3.031in./77mm	5	3KC	3.386in./86mm	21
1A	3.031in./77mm	5	3A	3.031in./77mm	4	3B	3.386in./86mm	21	3KC	3.425in./87mm	6
1AA	3.031in./77mm	4	3A	3.031in./77mm	5	3B	3.425in./87mm	6	3SF	2.598in./66mm	1
1AA	3.031in./77mm	5	3A	3.386in./86mm	21	3E	2.598in./66mm	1	3SF	3.031in./77mm	4
1B	3.150in./80mm	16	3A	3.425in./87mm	6	3E	3.031in./77mm	4	3SF	3.031in./77mm	5
1Z	3.150in./80mm	16	3AC	2.598in./66mm	1	3E	3.031in./77mm	5	3SF	3.386in./86mm	21
2	2.598in./66mm	1	3AC	3.031in./77mm	4	3E	3.386in./86mm	21	3SF	3.425in./87mm	6
2 MAE	3.031in./77mm	4	3AC	3.031in./77mm	5	3E	3.425in./87mm	6	3YA	3.031in./77mm	5
2 MAE	3.031in./77mm	5	3AC	3.386in./86mm	21	3H	2.598in./66mm	1	3YA	3.031in./77mm	8
2M	3.346in./85mm	41	3AC	3.425in./87mm	6	3H	3.031in./77mm	4	3YA	3.386in./86mm	20
2M	3.346in./85mm	43	3AH	2.598in./66mm	1	3H	3.031in./77mm	5	4	2.756in./70mm	11
2M	3.346in./85mm	44	3AH	3.031in./77mm	4	3H	3.386in./86mm	21	4A	3.031in./77mm	5
2MAE	3.031in./77mm	4	3AH	3.031in./77mm	5	3H	3.425in./87mm	6	4A	3.031in./77mm	8
2MAE	3.031in./77mm	5	3AH	3.386in./86mm	21	3K	2.598in./66mm	1	4A	3.386in./86mm	20
2MG2	3.346in./85mm	41	3AH	3.425in./87mm	6	3KC	2.598in./66mm	1	4AC	3.031in./77mm	5
2MG2	3.346in./85mm	43	3B	2.598in./66mm	1	3KC	3.031in./77mm	4	4AC	3.031in./77mm	8

TOYOTA (Cont.)
CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
4AC	3.386in./86mm	20	9	2.598in./66mm	1	176H	3.583in./91mm	24	E-B7-JL	4.016in./102mm	52
4AL	3.031in./77mm	5	10	2.756in./70mm	11	188A	3.031in./77mm	4	EB7JL	4.016in./102mm	50
4AL	3.031in./77mm	8	11	2.598in./66mm	1	188A	3.031in./77mm	5	G1U	3.150in./80mm	18
4AL	3.386in./86mm	20	11	3.150in./80mm	16	202B	3.031in./77mm	4	G9-37	2.756in./70mm	11
4G1	2.874in./73mm	2	11-G	3.150in./80mm	18	202B	3.031in./77mm	5	G46	2.756in./70mm	11
4G61	2.874in./73mm	2	11M	3.583in./91mm	24	407N	3.031in./77mm	5	G-1-U	3.150in./80mm	18
4G-3	2.874in./73mm	2	11M-14	3.583in./91mm	24	407N	3.031in./77mm	8	GET	3.071in./78mm	17
4K05	2.874in./73mm	2	12	3.150in./80mm	16	407N	3.386in./86mm	20	JG	3.150in./80mm	16
4K	2.874in./73mm	2	17	2.756in./70mm	11	508E-6303	3.502in./89mm	28	L1	3.504in./89mm	26
4XC1-U	2.874in./73mm	2	17M	3.583in./91mm	24	4196N	3.031in./77mm	5	L1	3.502in./89mm	28
4XC-U	3.502in./89mm	28	25	2.756in./70mm	11	4196N	3.031in./77mm	8	L1K	3.150in./80mm	16
4XC-UT	3.502in./89mm	28	26	2.598in./66mm	1	4196N	3.386in./86mm	20	L1M	3.150in./80mm	16
4XCJU	2.874in./73mm	2	27-G	3.150in./80mm	18	7243N	3.583in./91mm	45	L1M	3.150in./80mm	18
4XCU	3.502in./89mm	28	40F	3.031in./77mm	5	13111-03010-D	3.583in./91mm	24	L3	2.598in./66mm	1
4XCUT	3.502in./89mm	28	40F	3.031in./77mm	8	565524DYNA	3.502in./89mm	28	L20	2.598in./66mm	1
4ZE1	3.502in./89mm	28	40F	3.386in./86mm	20	1802224C92	3.583in./91mm	24	L-1-M	3.150in./80mm	18
5 E	3.502in./89mm	28	41R	3.150in./80mm	16	1802224C93	3.583in./91mm	24	L-1M	3.346in./85mm	41
5A	2.756in./70mm	11	41R	3.150in./80mm	18	1803420C1	3.583in./91mm	24	MFF	3.150in./80mm	16
5A	3.346in./85mm	44	45-T	3.031in./77mm	5	1805420C1	3.031in./77mm	4	N	3.504in./89mm	26
5A	3.031in./77mm	8	45-T	3.031in./77mm	8	1805420C1	3.031in./77mm	5	N	3.502in./89mm	28
5AK	2.756in./70mm	11	45-T	3.386in./86mm	20	1805420C1	3.583in./91mm	24	NF	3.071in./78mm	17
5AK	3.346in./85mm	44	59-PK	2.756in./70mm	11	1809954C1	3.031in./77mm	4	NXT	3.071in./78mm	17
5AK	3.031in./77mm	8	59-PK	3.346in./85mm	44	1809954C1	3.031in./77mm	5	R12	2.598in./66mm	1
5G9-37	2.756in./70mm	11	59-PK	3.031in./77mm	8	1812320C91	3.031in./77mm	4	R14	2.598in./66mm	1
5G9-37	3.346in./85mm	44	74TM	3.583in./91mm	45	1812320C91	3.031in./77mm	5	S2	3.504in./89mm	26
5G9-37	3.031in./77mm	8	76TM	3.583in./91mm	45	1816975C1	3.031in./77mm	4	S2	3.502in./89mm	28
6-H	3.583in./91mm	45	77A	3.583in./91mm	45	1816975C1	3.031in./77mm	5	S2	3.504in./89mm	30
6M	3.583in./91mm	45	78TM	3.583in./91mm	45	B7	3.268in./83mm	47	S2	3.504in./89mm	29
7HA	3.583in./91mm	45	78TM-CA	3.583in./91mm	45	C1K	3.150in./80mm	16	T27	3.150in./80mm	18
7HA-6303	3.583in./91mm	45	81-K	3.583in./91mm	45	C1K	3.150in./80mm	18	U27	3.150in./80mm	18
8	2.598in./66mm	1	140N	3.583in./91mm	24	E-B7-JL	4.016in./102mm	50			

COUNTER DATA
SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1077CC (1.1L) KC OHV 4 Cyl (1968-1969)			2.953in./75mm x 2.402in./61mm				1
	1166CC (1.2L) 3KC OHV 4 Cyl (1969-1979)			2.953in./75mm x 2.598in./66mm				
	1290CC (1.3L) 4KC OHV 4 Cyl (1981-1982)			2.953in./75mm x 2.874in./73mm				
Rod Bearing	TM-1	CB-969G	STD.,25mm.,50mm.,75mm	1.6526/1.6535	0.0009/0.0029	0.0591	1.7717/1.7728	0.7480
Main Bearing Set	TM-1	MS-1057P	STD.,25mm.,50mm	1.9675/1.9685	0.0006/0.0032	0.0785	2.1261/2.1271	0.8630
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-225S								
Thrust Washer Set		TW-225S	STD	2.1772/2.1890			2.6575/2.6693	0.0970
		MB-610W(L)		2.1772/2.1890			2.6575/2.6693	0.0970
		MB-610W(U)						
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1057P								
Cam Bearing Set	B-1	SH-720S	STD					
1		SH-720		1.7011/1.7018	0.0005/0.0038	0.0935	1.8888/1.8898	0.7150
2		SH-721		1.6913/1.6919	0.0010/0.0043	0.0886	1.8701/1.8711	0.7150
3		SH-722		1.6815/1.6821	0.0009/0.0041	0.0837	1.8504/1.8514	0.7150
4		SH-723		1.6716/1.6722	0.0011/0.0041	0.0787	1.8307/1.8317	0.7150
C/S Forging 2, 8, 9, 11, 26, 3A, 3B, 3E, 3H, 3K, L3, 3AC, 3AH, 3KC, 3SF, L20, R12, R14								
Connecting Rod	29 To 38 Lbs.Ft.							
Main Bearing	39 To 48 Lbs.Ft.							
2	1290CC (1.3L) 4KE OHV 4 Cyl (1983-1984)			2.953in./75mm x 2.874in./73mm				2
Rod Bearing	TM-1	CB-969G	STD.,25mm.,50mm.,75mm	1.6526/1.6535	0.0009/0.0029	0.0591	1.7717/1.7728	0.7480
NOTE: Thru 6/83								
Rod Bearing(4)	AL-3	CB-1471AL	STD.,25mm.,50mm	1.6526/1.6535	0.0009/0.0032	0.0587	1.7717/1.7728	0.7400
NOTE: From 7/83								
Thrust Washer Set		TW-225S	STD	2.1772/2.1890			2.6575/2.6693	0.0970
		MB-610W(L)		2.1772/2.1890			2.6575/2.6693	0.0970
		MB-610W(U)						
NOTE: Contains 4 Pieces, Position Number 3								

TOYOTA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
2 (Cont.)	1290CC (1.3L) 4KE OHV 4 Cyl (1983-1984)			2.953in./75mm x 2.874in./73mm				2 (Cont.)
Cam Bearing Set	B-1	SH-720S	STD					
1		SH-720		1.7011/1.7018	0.0005/0.0038	0.0935	1.8888/1.8898	0.7150
2		SH-721		1.6913/1.6919	0.0010/0.0043	0.0886	1.8701/1.8711	0.7150
3		SH-722		1.6815/1.6821	0.0009/0.0041	0.0837	1.8504/1.8514	0.7150
4		SH-723		1.6716/1.6722	0.0011/0.0041	0.0787	1.8307/1.8317	0.7150
C/S Forging	4K, 4G1, 4G-3, 4G61, 4K05, 4XC1U, 4XC1-U							
Connecting Rod	29 To 38 Lbs.Ft.							
Main Bearing	39 To 48 Lbs.Ft.							
3	1345CC (1.3L) 3P 4 Cyl (1967-1978)			3.012in./76.5mm x 3.110in./79mm				3
	1493CC (1.5L) 4P 4 Cyl (1967-1992)			3.012in./76.5mm x 3.189in./81mm				
Rod Bearing(4)	TM-1	CB-1595P	STD, .25mm, .50mm, .75mm	1.8495/1.8509	0.0005/0.0026	0.0592	1.9694/1.9704	0.9060
Main Bearing Set	TM-1	MS-1955P	STD, .25mm, .50mm, .75mm					
1-2-3		MB-3355P		2.0464/2.0475	0.0006/0.0028	0.0789	2.2059/2.2069	1.1420
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-555S								
Thrust Washer Set		TW-555S	STD					
		MB-3355W(L)		2.2444			2.7366	0.0970
		MB-3355W(U)		2.2444			2.7366	0.0970
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-1955P								
Connecting Rod	30 To 34 Lbs.Ft.							
Main Bearing	71 To 79 Lbs.Ft.							
4	1452CC (1.5L) 1AC SOHC 4 Cyl (1980)			3.051in./77.5mm x 3.031in./77mm				4
Rod Bearing(4)	TM-1	CB-1352P	STD, .25mm, .50mm, .75mm	1.5742/1.5748	0.0007/0.0032	0.0586	1.6928/1.6938	0.6730
NOTE: 3.95mm Wide Notch Bearings								
Main Bearing Set	AL-3	MS-1617AL	STD, .25mm, .50mm					
1-2-3-4-5		MB-2965AL		1.8892/1.8898	0.0006/0.0032	0.0789	2.0482/2.0492	0.7830
NOTE: Contains Full Grooved Bearings, Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S								
Thrust Washer Set		TW-401S	STD					
		MB-2965W(L)		2.1102/2.1220			2.5827/2.5945	0.0980
		MB-2965W(U)		2.1102/2.1220			2.5827/2.5945	0.0980
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1617AL								
C/S Forging	1A, 3A, 3B, 3E, 3H, 1AA, 3AC, 3AH, 3KC, 3SF, 188A, 202B, 2MAE, 2 MAE, 1805420C1, 1809954C1, 1816975C1, 1812320C91							
Connecting Rod	36 Lbs.Ft.							
Main Bearing	44 Lbs.Ft.							
5	1452CC (1.5L) 3AC SOHC 4 Cyl (1981-1988)			3.051in./77.5mm x 3.031in./77mm				5
	1587CC (1.6L) 4AC SOHC 4 Cyl (1983-1987)			3.189in./81mm x 3.031in./77mm				
Rod Bearing(4)	TM-1	CB-1352P	STD, .25mm, .50mm, .75mm	1.5742/1.5748	0.0007/0.0032	0.0586	1.6928/1.6938	0.6730
NOTE: Thru 10/83, 3.95mm Wide Notch Bearings								
Rod Bearing(4)	TM-1	CB-1361P	STD, .25mm, .50mm, .75mm	1.5742/1.5748	0.0007/0.0032	0.0586	1.6928/1.6938	0.6730
NOTE: From 10/83, 2.95mm Narrow Notch Bearings								
Main Bearing Set	AL-3	MS-1617AL	STD, .25mm, .50mm					
1-2-3-4-5		MB-2965AL		1.8892/1.8898	0.0006/0.0032	0.0789	2.0482/2.0492	0.7830
NOTE: Thru 1/83, Contains Full Grooved Bearings, Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S								
Main Bearing Set	AL-3	MS-2211AL	STD, .25mm, .50mm, .75mm					
1-2-3-4-5		MB-3764AL		1.8892/1.8898	0.0007/0.0033	0.0789	2.0480/2.0492	0.7874
NOTE: From 1/83, Contains Partial Grooved Main Bearings, Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S								
Thrust Washer Set		TW-401S	STD					
		MB-2965W(L)		2.1102/2.1220			2.5827/2.5945	0.0980
		MB-2965W(U)		2.1102/2.1220			2.5827/2.5945	0.0980
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Numbers MS-1617AL, MS-2211AL								
C/S Forging	1A, 3A, 3B, 3E, 3H, 4A, 1AA, 3AC, 3AH, 3KC, 3SF, 3YA, 40F, 4AC, 4AL, 188A, 202B, 2MAE, 407N, 45-T, 2 MAE, 4196N, 1805420C1, 1809954C1, 1816975C1, 1812320C91							
Connecting Rod	36 Lbs.Ft.							
Main Bearing	44 Lbs.Ft.							

TOYOTA (Cont.)

TOYOTA (Cont.)										
COUNTER DATA				SHOP DATA						
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length		
4 CYL (Cont.)										
6	1456CC (1.5L) 3E SOHC 12 Valve 4 Cyl (1987-1990)				2.874in./73mm x 3.425in./87mm				6	
	1456CC (1.5L) 3EE SOHC 12 Valve 4 Cyl (1991-1994)				2.874in./73mm x 3.425in./87mm					
	1497CC (1.5L) 5EFE DOHC 4 Cyl (1992-1998)				2.913in./74mm x 3.420in./87mm					
Rod Bearing(4)	AL-3	CB-1593AL	STD.,25mm.,50mm	1.6923/1.6929	0.0006/0.0032	0.0587	1.8110/1.8118	0.5910		
Main Bearing Set 1-2-3-4-5	AL-3	MS-1953AL MB-3348AL	STD.,25mm.,50mm	1.9681/1.9685	0.0009/0.0031	0.0787	2.1267/2.1274	0.6300		
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-553S										
Thrust Washer Set		TW-553S MB-3348W	STD	2.1752			2.6772	0.0980		
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1953AL										
C/S Forging 3A, 3B, 3E, 3H, 3AC, 3AH, 3KC, 3SF										
Connecting Rod	29 Lbs.Ft.									
Main Bearing	42 Lbs.Ft.									
7	1490CC (1.5L) 2R 4 Cyl (1964-1970)				3.071in./78mm x 3.071in./78mm				7	
	Rod Bearing(4)	AL-3	CB-968G	STD.,25mm.,50mm.,75mm	1.9679/1.9685	0.0005/0.0024	0.0591	2.0870/2.0878		1.0640
	Main Bearing Set 1	AL-3	MS-1056G MB-603G	STD.,25mm.,50mm.,75mm	2.2825/2.2835	0.0016/0.0038	0.0705	2.4254/2.4260		1.1860
2		MB-604G		2.2825/2.2835	0.0016/0.0038	0.0705	2.4254/2.4260	1.3440		
3		MB-605G		2.2825/2.2835	0.0016/0.0038	0.0705	2.4254/2.4260	1.5800		
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-224S										
Thrust Washer Set		TW-224S MB-605W(L) MB-605W(U)	STD	2.5197/2.5315 2.5197/2.5315			2.9764/2.9882 2.9764/2.9882	0.1170 0.1170		
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1056G										
Cam Bearing Set 1	B-1	SH-978S SH-978	STD	1.8290/1.8300	0.0010/0.0036	0.0685	1.9680/1.9690	1.1000		
2		SH-979		1.8190/1.8200	0.0010/0.0036	0.0735	1.9680/1.9690	1.6590		
3		SH-980		1.8090/1.8100	0.0010/0.0036	0.0785	1.9680/1.9690	0.9900		
Connecting Rod	43 To 51 Lbs.Ft.									
Main Bearing	76 To 80 Lbs.Ft.									
8	1587CC (1.6L) 4AF DOHC 4 Cyl (1988-1989)				3.189in./81mm x 3.031in./77mm				8	
	1587CC (1.6L) 4AFE DOHC 4 Cyl (1989-1997)				3.189in./81mm x 3.031in./77mm					
	1587CC (1.6L) 4ALC SOHC 4 Cyl (1984-1988)				3.189in./81mm x 3.031in./77mm					
Rod Bearing(4)	TM-1	CB-1361P	STD.,25mm.,50mm.,75mm	1.5742/1.5748	0.0007/0.0032	0.0586	1.6928/1.6938	0.6730		
NOTE: 2.95mm Narrow Notch Bearings										
Main Bearing Set 1-2-3-4-5	AL-3	MS-2211AL MB-3764AL	STD.,25mm.,50mm.,75mm	1.8892/1.8898	0.0007/0.0033	0.0789	2.0480/2.0492	0.7874		
NOTE: Contains Partial Grooved Main Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S										
Thrust Washer Set		TW-401S MB-2965W(L) MB-2965W(U)	STD	2.1102/2.1220 2.1102/2.1220			2.5827/2.5945 2.5827/2.5945	0.0980 0.0980		
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2211AL										
C/S Forging 4A, 5A, 3YA, 40F, 4AC, 4AL, 5AK, 407N, 45-T, 4196N, 59-PK, 5G9-37										
Connecting Rod	36 Lbs.Ft.									
Main Bearing	44 Lbs.Ft.									
9	1587CC (1.6L) 4AGE DOHC 4 Cyl (1988-1991)				3.189in./81mm x 3.031in./77mm				9	
	1587CC (1.6L) 4AGZE DOHC Supercharged 4 Cyl (1988-1989)				3.189in./81mm x 3.031in./77mm					
	Rod Bearing(4)	TM-1	CB-1474P	STD.,25mm.,50mm	1.6529/1.6535	0.0008/0.0032	0.0587	1.7717/1.7726	0.6690	
Main Bearing Set 1-2-3-4-5	AL-3	MS-2211AL MB-3764AL	STD.,25mm.,50mm.,75mm	1.8892/1.8898	0.0007/0.0033	0.0789	2.0480/2.0492	0.7874		
NOTE: Contains Partial Grooved Main Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S										
Thrust Washer Set		TW-401S MB-2965W(L) MB-2965W(U)	STD	2.1102/2.1220 2.1102/2.1220			2.5827/2.5945 2.5827/2.5945	0.0980 0.0980		
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2211AL										
Connecting Rod	36 Lbs.Ft.									
Main Bearing	44 Lbs.Ft.									

TOYOTA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
10	1587CC (1.6L) 4AGEC DOHC 4 Cyl (1985-1987)			3.189in./81mm x 3.031in./77mm				10
	1587CC (1.6L) 4AGELC DOHC 4 Cyl (1985-1989)			3.189in./81mm x 3.031in./77mm				
Rod Bearing(4) NOTE: Thru 7/87	TM-1	CB-1361P	STD.,.25mm,.50mm,.75mm	1.5742/1.5748	0.0007/0.0032	0.0586	1.6928/1.6938	0.6730
Rod Bearing(4) NOTE: From 7/87	TM-1	CB-1474P	STD.,.25mm,.50mm	1.6529/1.6535	0.0008/0.0032	0.0587	1.7717/1.7726	0.6690
Main Bearing Set 1-2-3-4-5 NOTE: Contains Partial Grooved Main Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S	AL-3	MS-2211AL MB-3764AL	STD.,.25mm,.50mm,.75mm	1.8892/1.8898	0.0007/0.0033	0.0789	2.0480/2.0492	0.7874
Thrust Washer Set NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2211AL		TW-401S MB-2965W(L) MB-2965W(U)	STD	2.1102/2.1220 2.1102/2.1220			2.5827/2.5945 2.5827/2.5945	0.0980 0.0980
Connecting Rod Main Bearing	36 Lbs.Ft. 44 Lbs.Ft.							
11	1588CC (1.6L) 2TC OHV 4 Cyl (1971-1979)			3.346in./85mm x 2.756in./70mm				11
Rod Bearing(4)	TM-1	CB-1270P	STD.,.25mm,.50mm,.75mm,1.00mm	1.8888/1.8894	0.0014/0.0039	0.0588	2.0079/2.0088	0.7840
Main Bearing Set 1-2-4-5 3 NOTE: 1971, .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,Contains Flanged Bearing	TM-1	MS-1100P MB-623P MB-614P(F)	STD.,.25mm,.50mm	2.2824/2.2831 2.2824/2.2831	0.0009/0.0030 0.0009/0.0030	0.0786 0.0786	2.4409/2.4417 2.4409/2.4417	0.8190 1.2170
Main Bearing Set 1-2-3-4-5 NOTE: 1972-1979, Contains Straight Shell Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-592S	TM-1	MS-1456P MB-623P	STD.,.25mm,.50mm	2.2824/2.2831	0.0009/0.0030	0.0786	2.4409/2.4417	0.8190
Thrust Washer Set NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1456P		TW-592S MB-3201W(L) MB-3201W(U)	STD	2.5197 2.5197			2.9921 2.9921	0.0980 0.0980
Cam Bearing Set 1 2 3 4 5	B-1	SH-725S SH-725 SH-726 SH-727 SH-728 SH-729	STD	1.8290/1.8297 1.8193/1.8199 1.8094/1.8100 1.7996/1.8002 1.7898/1.7904	0.0005/0.0044 0.0005/0.0044 0.0005/0.0044 0.0005/0.0044 0.0005/0.0044	0.0693 0.0693 0.0595 0.0693 0.0791	1.9685/1.9693 1.9587/1.9595 1.9291/1.9299 1.9390/1.9398 1.9488/1.9496	0.7050 0.6260 0.7050 0.6260 0.7050
C/S Forging	1, 4, 10, 17, 25, 5A, 5AK, G46, 59-PK, G9-37, 5G9-37							
Connecting Rod Main Bearing	29 To 36 Lbs.Ft. 52 To 63 Lbs.Ft.							
12	1762CC (1.8L) 7AFE DOHC 4 Cyl (1993-1997)			3.189in./81mm x 3.366in./85.5mm				12
Rod Bearing(4)	AL-3	CB-1786AL	STD.,.25mm,.50mm	1.8892/1.8898	0.0008/0.0026	0.0587	2.0075/2.0079	0.6693
Main Bearing Set 1-2-3-4-5 NOTE: Contains Partial Grooved Main Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S	AL-3	MS-2211AL MB-3764AL	STD.,.25mm,.50mm,.75mm	1.8892/1.8898	0.0007/0.0033	0.0789	2.0480/2.0492	0.7874
Thrust Washer Set NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2211AL		TW-401S MB-2965W(L) MB-2965W(U)	STD	2.1102/2.1220 2.1102/2.1220			2.5827/2.5945 2.5827/2.5945	0.0980 0.0980
13	1770CC (1.8L) 3TC OHV 4 Cyl (1980-1982)			3.346in./85mm x 3.071in./78mm				13
Rod Bearing(4)	TM-1	CB-1270P	STD.,.25mm,.50mm,.75mm,1.00mm	1.8888/1.8894	0.0014/0.0039	0.0588	2.0079/2.0088	0.7840
Main Bearing Set 1-2-3-4-5 NOTE: Contains Straight Shell Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-592S	TM-1	MS-1456P MB-623P	STD.,.25mm,.50mm	2.2824/2.2831	0.0009/0.0030	0.0786	2.4409/2.4417	0.8190
Thrust Washer Set NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1456P		TW-592S MB-3201W(L) MB-3201W(U)	STD	2.5197 2.5197			2.9921 2.9921	0.0980 0.0980

TOYOTA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
13 (Cont.)	1770CC (1.8L) 3TC OHV 4 Cyl (1980-1982)			3.346in./85mm x 3.071in./78mm				13 (Cont.)
Cam Bearing Set	B-1	SH-725S	STD					
1		SH-725		1.8290/1.8297	0.0005/0.0044	0.0693	1.9685/1.9693	0.7050
2		SH-726		1.8193/1.8199	0.0005/0.0044	0.0693	1.9587/1.9595	0.6260
3		SH-727		1.8094/1.8100	0.0005/0.0044	0.0595	1.9291/1.9299	0.7050
4		SH-728		1.7996/1.8002	0.0005/0.0044	0.0693	1.9390/1.9398	0.6260
5		SH-729		1.7898/1.7904	0.0005/0.0044	0.0791	1.9488/1.9496	0.7050
Connecting Rod	29 To 36 Lbs.Ft.							
Main Bearing	52 To 63 Lbs.Ft.							
14	1839CC (1.8L) 1C,1CL Diesel 4 Cyl (1985-1990)			3.268in./83mm x 3.346in./85mm				14
	1974CC (2.0L) 2C,2CL Diesel 4 Cyl (1985-1990)			3.386in./86mm x 3.346in./85mm				
Rod Bearing(4)	AL-3	CB-1438AL	STD,.25mm,.50mm	1.9874/1.9882	0.0015/0.0035	0.0583	2.1063/2.1072	0.7440
NOTE: 1C, 2C, 2CL From 8/85; 1CL From 5/85								
Main Bearing Set	AL-3	MS-1814AL	STD,.25mm,.50mm					
1-2-3-4-5		MB-3194AL		2.2433/2.2441	0.0014/0.0034	0.0783	2.4016/2.4024	0.7870
NOTE: 1C, 2C, 2CL From 8/85; 1CL From 5/85 Requires Thrust Washer Set, Not Included, Use With Part Number TW-456S								
Thrust Washer Set		TW-456S	STD					
		MB-3193W(L)		2.4803			3.0236	0.1070
		MB-3193W(U)		2.4803			3.0236	0.1070
NOTE: 1C, 2C, 2CL From 8/85; 1CL From 5/85 Contains 4 Pieces, Position Number 3, Use With Part Number MS-1814AL								
Connecting Rod	50 Lbs.Ft.							
Main Bearing	78 Lbs.Ft.							
15	1839CC (1.8L) 1CLC SOHC Diesel 4 Cyl (1984-1985)			3.268in./83mm x 3.346in./85mm				15
	1839CC (1.8L) 1CTL SOHC Turbo Turbocharged Diesel 4 Cyl (1984-1985)			3.268in./83mm x 3.346in./85mm				
	1974CC (2.0L) 2CTL SOHC Turbocharged Diesel 4 Cyl (1986)			3.386in./86mm x 3.346in./85mm				
Rod Bearing(4)	AL-3	CB-1403AL	STD,.25mm,.50mm	1.9874/1.9882	0.0014/0.0028	0.0583	2.0164/2.0172	0.9330
Main Bearing Set	AL-3	MS-1710AL	STD,.25mm					
1-2-3-4-5		MB-3193AL		2.2433/2.2441	0.0013/0.0028	0.0781	2.4017/2.4025	0.8660
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-456S								
Thrust Washer Set		TW-456S	STD					
		MB-3193W(L)		2.4803			3.0236	0.1070
		MB-3193W(U)		2.4803			3.0236	0.1070
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1710AL								
Connecting Rod	43 To 51 Lbs.Ft.							
Main Bearing	71 To 81 Lbs.Ft.							
16	1858CC (1.9L) 8RC SOHC 4 Cyl (1969-1971)			3.386in./86mm x 3.150in./80mm				16
Rod Bearing(4)	TM-1	CB-1218P	STD,.25mm,.50mm,.75mm,1.00mm	2.0857/2.0866	0.0008/0.0037	0.0589	2.2047/2.2057	0.8660
Main Bearing Set	TM-1	MS-1102P	STD,.25mm,.50mm					
1-2-4-5		MB-615P		2.3613/2.3622	0.0006/0.0036	0.0786	2.5197/2.5206	0.8660
3		MB-618P(F)		2.3616/2.3622	0.0006/0.0036	0.0786	2.5197/2.5206	1.4170
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm And 1.00mm Undersize Sets Contains .25mm Oversize Length Flanged Bearing								
Main Bearing Set	TM-1	MS-1521P	STD,.25mm					
1-2-4-5		MB-615P		2.3613/2.3622	0.0006/0.0036	0.0786	2.5197/2.5206	0.8660
3		MB-2850P		2.3613/2.3622	0.0006/0.0036	0.0786	2.5197/2.5206	1.1020
NOTE: Contains Straight Shell Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-326S								
Main Bearing Set	TM-1	MS-2085P-.25mm	.50mm					
1-2-4-5		MB-615P		2.3613/2.3622	0.0006/0.0036	0.0786	2.5197/2.5206	0.8660
3		MB-3581P(F)		2.3613/2.3622	0.0006/0.0036	0.0786	2.5197/2.5206	1.4170
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Thrust Washer Set		TW-326S	STD					
		MB-2746W(L)		2.5980/2.6180			3.1260/3.1460	0.0780
		MB-2746W(U)		2.5980/2.6180			3.1260/3.1460	0.0780
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-1521P								

TOYOTA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
16 (Cont.)	1858CC (1.9L) 8RC SOHC 4 Cyl (1969-1971)			3.386in./86mm x 3.150in./80mm				16 (Cont.)
Cam Bearing Set 1	B-1	SH-730S SH-730(L)	STD	1.3768/1.3778	0.0007/0.0053	0.0592	1.4966/1.4976	1.1030
2-3-4		SH-731		1.3768/1.3778	0.0007/0.0053	0.0592	1.4966/1.4976	0.7920
C/S Forging 11, 12, 1B, 1Z, JG, 41R, C1K, L1K, L1M, MFF								
Connecting Rod 43 To 48 Lbs.Ft. Main Bearing 72 To 83 Lbs.Ft.								
17	1897CC (1.9L) 3RB OHV,3RC OHV 4 Cyl (1965-1970)			3.465in./88mm x 3.071in./78mm				17
Thrust Washer Set		TW-228S MB-627W(L) MB-627W(U)	STD	2.6060/2.6180 2.6060/2.6180			3.1340/3.1360 3.1340/3.1360	0.1160 0.1160
NOTE: Contains 4 Pieces, Position Number 3								
Cam Bearing Set 1	B-1	SH-1065S SH-759	STD	1.8291/1.8297	0.0014/0.0042	0.0687	1.9685/1.9691	1.1520
2		SH-760		1.8193/1.8199	0.0014/0.0042	0.0736	1.9684/1.9691	0.7970
3		SH-1065		1.8094/1.8100	0.0018/0.0054	0.0783	1.9684/1.9691	1.8210
4		SH-762		1.7996/1.8002	0.0017/0.0049	0.0833	1.9684/1.9691	0.7580
5		SH-763		1.7898/1.7904	0.0017/0.0045	0.0882	1.9684/1.9691	1.1120
C/S Forging NF, GET, NXT								
Connecting Rod 48 To 51 Lbs.Ft. Main Bearing 75 To 80 Lbs.Ft.								
18	1968CC (2.0L) 18RC SOHC 4 Cyl (1972-1974)			3.484in./88.5mm x 3.150in./80mm				18
Rod Bearing(4)	TM-1	CB-1218P	STD,.25mm,.50mm,.75mm,1.00mm	2.0857/2.0866	0.0008/0.0037	0.0589	2.2047/2.2057	0.8660
Main Bearing Set 1-2-4-5	TM-1	MS-1102P MB-615P	STD,.25mm,.50mm	2.3613/2.3622	0.0006/0.0036	0.0786	2.5197/2.5206	0.8660
3		MB-618P(F)		2.3616/2.3622	0.0006/0.0036	0.0786	2.5197/2.5206	1.4170
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm And 1.00mm Undersize Sets Contains .25mm Oversize Length Flanged Bearing								
Main Bearing Set 1-2-4-5	TM-1	MS-2085P-.25mm MB-615P	.50mm	2.3613/2.3622	0.0006/0.0036	0.0786	2.5197/2.5206	0.8660
3		MB-3581P(F)		2.3613/2.3622	0.0006/0.0036	0.0786	2.5197/2.5206	1.4170
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-730S SH-730(L)	STD	1.3768/1.3778	0.0007/0.0053	0.0592	1.4966/1.4976	1.1030
2-3-4		SH-731		1.3768/1.3778	0.0007/0.0053	0.0592	1.4966/1.4976	0.7920
C/S Forging 41R, C1K, G1U, L1M, T27, U27, 11-G, 27-G, G-1-U, L-1-M								
Connecting Rod 42 To 48 Lbs.Ft. Main Bearing 72 To 83 Lbs.Ft.								
19	1994CC (2.0L) 5R OHV 4 Cyl (1967-1986)			3.465in./88mm x 3.228in./82mm				19
Rod Bearing(4)	AL-3	CB-992P	STD,.25mm,.50mm,.75mm,1.00mm	2.1648/2.1653	0.0011/0.0033	0.0593	2.2844/2.2850	1.0680
Main Bearing Set 1	TM-1	MS-1336P MB-1315P	STD,.25mm,.50mm	2.3616/2.3622	0.0011/0.0040	0.0783	2.5197/2.5209	1.1020
2		MB-1316P(F)		2.3616/2.3622	0.0011/0.0040	0.0783	2.5197/2.5209	1.6530
3		MB-1317P		2.3616/2.3622	0.0011/0.0040	0.0783	2.5197/2.5209	1.4280
NOTE: From 10/70,Thru 7/78, Contains Flanged Bearing								
Main Bearing Set 1	AL-3	MS-1816P MB-1315P	STD,.25mm,.50mm	2.3616/2.3622	0.0011/0.0040	0.0783	2.5197/2.5209	1.1020
2-3		MB-1317P		2.3616/2.3622	0.0011/0.0040	0.0783	2.5197/2.5209	1.4280
NOTE: From 8/78, Requires Thrust Washer Set, Not Included, Use With Part Number TW-326S								
Thrust Washer Set		TW-228S MB-627W(L) MB-627W(U)	STD	2.6060/2.6180 2.6060/2.6180			3.1340/3.1360 3.1340/3.1360	0.1160 0.1160
NOTE: Thru 9/70, Contains 4 Pieces, Position Number 3								
Thrust Washer Set		TW-326S MB-2746W(L) MB-2746W(U)	STD	2.5980/2.6180 2.5980/2.6180			3.1260/3.1460 3.1260/3.1460	0.0780 0.0780
NOTE: From 8/78, Contains 4 Pieces, Position Number 2, Use With Part Number MS-1816P								

TOYOTA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
19 (Cont.)	1994CC (2.0L) 5R OHV 4 Cyl (1967-1986)			3.465in./88mm x 3.228in./82mm				19 (Cont.)
Cam Bearing Set	B-1	SH-1065S	STD					
1		SH-759		1.8291/1.8297	0.0014/0.0042	0.0687	1.9685/1.9691	1.1520
2		SH-760		1.8193/1.8199	0.0014/0.0042	0.0736	1.9684/1.9691	0.7970
3		SH-1065		1.8094/1.8100	0.0018/0.0054	0.0783	1.9684/1.9691	1.8210
4		SH-762		1.7996/1.8002	0.0017/0.0049	0.0833	1.9684/1.9691	0.7580
5		SH-763		1.7898/1.7904	0.0017/0.0045	0.0882	1.9684/1.9691	1.1120
NOTE: From 10/70								
Piston Pin Bushing(4)	B	223-3610	STD			0.0411	0.9458	2.8800
Connecting Rod Main Bearing	43 To 51 Lbs.Ft. 76 To 80 Lbs.Ft.							
20	1995CC (2.0L) 2SELC SOHC 4 Cyl (1983-1986)			3.307in./84mm x 3.543in./90mm				20
	1998CC (2.0L) 3SGELC DOHC 4 Cyl (1986-1989)			3.386in./86mm x 3.386in./86mm				
Rod Bearing(4)	AL-3	CB-1406AL	STD,.25mm,.50mm	1.8892/1.8898	0.0009/0.0029	0.0586	2.0079/2.0088	0.8070
Main Bearing Set	AL-3	MS-1714AL	STD,.25mm,.50mm					
1-2-4-5		MB-3200AL		2.1649/2.1655	0.0008/0.0035	0.0787	2.3236/2.3243	0.7480
3		MB-3201AL		2.1649/2.1655	0.0008/0.0035	0.0787	2.3236/2.3243	0.9060
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-592S								
Thrust Washer Set		TW-592S	STD					
		MB-3201W(L)		2.5197			2.9921	0.0980
		MB-3201W(U)		2.5197			2.9921	0.0980
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1714AL								
C/S Forging	4A, 3YA, 40F, 4AC, 4AL, 407N, 45-T, 4196N							
Connecting Rod Main Bearing	36 Lbs.Ft. 43 Lbs.Ft.							
21	1998CC (2.0L) 3SFE DOHC 4 Cyl (1987-1998)			3.386in./86mm x 3.386in./86mm				21
Rod Bearing(4)	AL-3	CB-1406AL	STD,.25mm,.50mm	1.8892/1.8898	0.0009/0.0029	0.0586	2.0079/2.0088	0.8070
NOTE: 1987-1991;1996-1998								
Main Bearing Set	AL-3	MS-1714AL	STD,.25mm,.50mm					
1-2-4-5		MB-3200AL		2.1649/2.1655	0.0008/0.0035	0.0787	2.3236/2.3243	0.7480
3		MB-3201AL		2.1649/2.1655	0.0008/0.0035	0.0787	2.3236/2.3243	0.9060
NOTE: 1987-1991;1996-1998, Requires Thrust Washer Set, Not Included, Use With Part Number TW-592S								
Thrust Washer Set		TW-592S	STD					
		MB-3201W(L)		2.5197			2.9921	0.0980
		MB-3201W(U)		2.5197			2.9921	0.0980
NOTE: 1987-1991;1996-1998, Contains 4 Pieces, Position Number 3, Use With Part Number MS-1714AL								
Piston Pin Bushing(4)	B	223-3653		1.8661		0.0407	.9449	1.0433
NOTE: 1987-1991								
C/S Forging	3A, 3B, 3E, 3H, 3AC, 3AH, 3KC, 3SF							
Connecting Rod Main Bearing	36 Lbs.Ft. 43 Lbs.Ft.							
22	1998CC (2.0L) 3SGTE DOHC Turbocharged 4 Cyl (1988-1995)			3.386in./86mm x 3.386in./86mm				22
Rod Bearing(4)	TM-1	CB-1439P	STD,.25mm,.50mm	1.8892/1.8898	0.0009/0.0029	0.0586	2.0079/2.0088	0.8390
Main Bearing Set	AL-3	MS-1714AL	STD,.25mm,.50mm					
1-2-4-5		MB-3200AL		2.1649/2.1655	0.0008/0.0035	0.0787	2.3236/2.3243	0.7480
3		MB-3201AL		2.1649/2.1655	0.0008/0.0035	0.0787	2.3236/2.3243	0.9060
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-592S								
Thrust Washer Set		TW-592S	STD					
		MB-3201W(L)		2.5197			2.9921	0.0980
		MB-3201W(U)		2.5197			2.9921	0.0980
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1714AL								
Connecting Rod Main Bearing	36 Lbs.Ft. 43 Lbs.Ft.							

TOYOTA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
23	1998CC (2.0L) 3YEC OHV 4 Cyl (1984-1985)			3.386in./86mm x 3.386in./86mm				23
	2237CC (2.2L) 4YEC OHV 4 Cyl (1986-1990)			3.583in./91mm x 3.386in./86mm				
Rod Bearing(4)	AL-3	CB-1407AL	STD.,.25mm.,50mm.,75mm	1.8892/1.8898	0.0008/0.0026	0.0587	2.0080/2.0087	0.7830
Main Bearing Set 1-2-3-4-5	AL-3	MS-1715AL MB-3207AL	STD.,.25mm.,50mm.,75mm	2.2829/2.2835	0.0008/0.0026	0.0783	2.4411/2.4417	0.8150
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-592S								
Thrust Washer Set		TW-592S MB-3201W(L) MB-3201W(U)	STD	2.5197 2.5197			2.9921 2.9921	0.0980 0.0980
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1715AL								
Cam Bearing Set 1 2 3 4 5	B-1	SH-1396S SH-1396 SH-1397 SH-1398 SH-1399 SH-1400	STD	1.8291/1.8297 1.8193/1.8199 1.8094/1.8100 1.7996/1.8002 1.7897/1.7904	0.0010/0.0032 0.0010/0.0032 0.0010/0.0032 0.0010/0.0032 0.0010/0.0032	0.0689 0.0689 0.0591 0.0689 0.0788	1.9685/1.9697 1.9587/1.9598 1.9291/1.9303 1.9390/1.9402 1.9488/1.9500	0.7090 0.6300 0.7090 0.6300 0.7090
Connecting Rod Main Bearing	36 Lbs.Ft. 58 Lbs.Ft.							
24	2164CC (2.2L) 5SFE DOHC 4 Cyl (1990-1998)			3.425in./87mm x 3.583in./91mm				24
Rod Bearing(4)	TM-1	CB-1639P	STD.,.25mm.,50mm	2.0468/2.0472	0.0009/0.0030		2.1659/2.1667	
Main Bearing Set 1-2-4-5 3	TM-1	MS-1714AL MB-3200AL MB-3201AL	STD.,.25mm.,50mm	2.1649/2.1655 2.1649/2.1655	0.0008/0.0035 0.0008/0.0035	0.0787 0.0787	2.3236/2.3243 2.3236/2.3243	0.7480 0.9060
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-592S								
Thrust Washer Set		TW-592S MB-3201W(L) MB-3201W(U)	STD	2.5197 2.5197			2.9921 2.9921	0.0980 0.0980
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1714AL								
Piston Pin Bushing(4)	B	223-3653		1.8661		0.0407	.9449	1.0433
C/S Forging	11M, 17M, 140N, 176H, 11M-14, 1803420C1, 1805420C1, 1802224C92, 1802224C93, 13111-03010-D							
Connecting Rod Main Bearing	18 Lbs.Ft. Plus 90 Degrees 43 Lbs.Ft.							
25	2188CC (2.2L) L SOHC Diesel 4 Cyl (1981-1983)			3.543in./90mm x 3.386in./86mm				25
Rod Bearing(4)	AL-3	CB-1325AL	STD.,.25mm.,50mm.,75mm	2.0857/2.0866	0.0011/0.0038	0.0586	2.2047/2.2053	1.0240
Rod Bearing(4) NOTE: From 2/82 To Be Replaced By CB-1325AL	TM-1	CB-1359P	STD.,.25mm.,50mm.,75mm	2.0857/2.0866	0.0011/0.0037	0.0585	2.2047/2.2053	0.1024
Main Bearing Set 1-2-3-4-5	AL-3	MS-1591AL MB-2926AL	STD.,.25mm	2.4400/2.4409	0.0014/0.0041	0.0783	2.5994/2.6003	1.0880
NOTE: Thru 3/83, Contains Full Grooved Bearings, Requires Thrust Washer Set, Not Included, Use With Part Number TW-400S								
Main Bearing Set 1-2-3-4-5	AL-3	MS-1633AL MB-2990AL	STD.,.25mm.,50mm	2.4400/2.4409	0.0010/0.0039	0.0783	2.5994/2.6003	1.0880
NOTE: From 4/83, Contains Partial Grooved Main Bearings, Requires Thrust Washer Set, Not Included, Use With Part Number TW-400S								
Thrust Washer Set		TW-400S MB-2926W(L) MB-2926W(U)	STD	2.7560/2.7760 2.7560/2.7760			3.2027/3.2240 3.2027/3.2240	0.0980 0.0980
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1591AL, MS-1633AL								
Cam Bearing Set 1 2-3	AL-3	SH-1248S SH-1248 SH-1249	STD	1.3763/1.3773 1.3763/1.3773	0.0009/0.0030 0.0009/0.0030	0.0594 0.0594	1.4972/1.4982 1.4972/1.4982	1.1030 0.7870
NOTE: Contains Flanged Bearing, Use in Lower Half, Position Number 1								
Connecting Rod Main Bearing	37 To 43 Lbs.Ft. 71 To 81 Lbs.Ft.							
26	2189CC (2.2L) 20R SOHC 4 Cyl (1975-1980)			3.484in./88.5mm x 3.504in./89mm				26
Rod Bearing(4)	TM-1	CB-1218P	STD.,.25mm.,50mm.,75mm,1.00mm	2.0857/2.0866	0.0008/0.0037	0.0589	2.2047/2.2057	0.8660

TOYOTA (Cont.)

TOYOTA (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
26 (Cont.)	2189CC (2.2L) 20R SOHC 4 Cyl (1975-1980)			3.484in./88.5mm x 3.504in./89mm					26 (Cont.)
Main Bearing Set 1-2-4-5 3	TM-1	MS-1428P MB-615P MB-2746P	STD.,25mm.,50mm.,75mm	2.3613/2.3622 2.3613/2.3622	0.0006/0.0036 0.0005/0.0044	0.0786 0.0786	2.5197/2.5206 2.5197/2.5206	0.8660 0.9450	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-326S									
Thrust Washer Set		TW-326S MB-2746W(L) MB-2746W(U)	STD	2.5980/2.6180 2.5980/2.6180			3.1260/3.1460 3.1260/3.1460	0.0780 0.0780	
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1428P									
C/S Forging N, L1, S2									
Connecting Rod	42 To 48 Lbs.Ft.								
Main Bearing	72 To 80 Lbs.Ft.								
27	2362CC (2.4L) 2AZFE DOHC VVTi 16 Valve 4 Cyl (2001-2005)			3.484in./88.5mm x 3.780in./96mm					27
Rod Bearing(4)	AL-3	CB-1835AL	STD.,25mm.,50mm	1.8894/1.8898	0.0010	0.0588	2.0079/2.0087	0.6140	
Main Bearing Set 1-5	AL-3	MS-2243AL MB-3819ALU	STD.,25mm.,50mm	2.1648/2.1654	0.0005	0.0786	2.3228/2.3235	0.6690	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-619S									
Thrust Washer Set		TW-619S MB-3821W	STD	2.3819/2.3917			3.0610/3.0709	0.0780	
NOTE: Contains 2 Pieces, Use With Part Number MS-2243AL									
28	2366CC (2.4L) 22R SOHC 4 Cyl (1981-1990)			3.622in./92mm x 3.502in./89mm					28
Rod Bearing(4)	TM-1	CB-1218P	STD.,25mm.,50mm.,75mm,1.00mm	2.0857/2.0866	0.0008/0.0037	0.0589	2.2047/2.2057	0.8660	
Main Bearing Set 1-2-4-5 3	TM-1	MS-1428P MB-615P MB-2746P	STD.,25mm.,50mm.,75mm	2.3613/2.3622 2.3613/2.3622	0.0006/0.0036 0.0005/0.0044	0.0786 0.0786	2.5197/2.5206 2.5197/2.5206	0.8660 0.9450	
NOTE: Thru 2/82, Requires Thrust Washer Set, Not Included, Use With Part Number TW-326S									
Main Bearing Set 1-2-3-4-5	TM-1	MS-1590P MB-2925P	STD.,25mm.,50mm.,75mm	2.3613/2.3622	0.0006/0.0033	0.0786	2.5197/2.5206	0.8660	
NOTE: From 3/82, Requires Thrust Washer Set, Not Included, Use With Part Number TW-326S,TW-463S									
Thrust Washer Set		TW-326S MB-2746W(L) MB-2746W(U)	STD	2.5980/2.6180 2.5980/2.6180			3.1260/3.1460 3.1260/3.1460	0.0780 0.0780	
NOTE: Thru 3/84, Contains 4 Pieces, Position Number 3, Use With Part Number MS-1428P,MS-1590P									
Thrust Washer Set		TW-463S MB-2925W(L) MB-2925W(U)	STD	2.6083 2.6083			3.1260/3.1460 3.1260/3.1460	0.1080 0.1080	
NOTE: From 4/84, Contains 4 Pieces, Position Number 3, Use With Part Number MS-1590P									
C/S Forging N, L1, S2, 5 E, 4XCU, 4ZE1, 4XC-U, 4XCUT, 4XC-UT, 508E-6303, 565524DYNA									
Connecting Rod	42 To 48 Lbs.Ft.								
Main Bearing	72 To 80 Lbs.Ft.								
29	2366CC (2.4L) 22RE SOHC 4 Cyl (1989-1995) 2366CC (2.4L) 22RTEC SOHC Turbocharged 4 Cyl (1985-1988)			3.622in./92mm x 3.504in./89mm 3.622in./92mm x 3.504in./89mm					29
Rod Bearing(4)	TM-1	CB-1218P	STD.,25mm.,50mm.,75mm,1.00mm	2.0857/2.0866	0.0008/0.0037	0.0589	2.2047/2.2057	0.8660	
Main Bearing Set 1-2-3-4-5	TM-1	MS-1590P MB-2925P	STD.,25mm.,50mm.,75mm	2.3613/2.3622	0.0006/0.0033	0.0786	2.5197/2.5206	0.8660	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-463S									
Thrust Washer Set		TW-463S MB-2925W(L) MB-2925W(U)	STD	2.6083 2.6083			3.1260/3.1460 3.1260/3.1460	0.1080 0.1080	
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1590P									
C/S Forging S2									
Connecting Rod	42 To 48 Lbs.Ft.								
Main Bearing	72 To 80 Lbs.Ft.								
30	2366CC (2.4L) 22REC SOHC 4 Cyl (1983-1988)			3.622in./92mm x 3.504in./89mm					30
Rod Bearing(4)	TM-1	CB-1218P	STD.,25mm.,50mm.,75mm,1.00mm	2.0857/2.0866	0.0008/0.0037	0.0589	2.2047/2.2057	0.8660	

TOYOTA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
30 (Cont.)	2366CC (2.4L) 22REC SOHC 4 Cyl (1983-1988)				3.622in./92mm x 3.504in./89mm			30 (Cont.)
Main Bearing Set 1-2-3-4-5	TM-1	MS-1590P MB-2925P	STD.,.25mm,.50mm,.75mm	2.3613/2.3622	0.0006/0.0033	0.0786	2.5197/2.5206	0.8660
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-326S,TW-463S								
Thrust Washer Set		TW-326S MB-2746W(L) MB-2746W(U)	STD	2.5980/2.6180 2.5980/2.6180			3.1260/3.1460 3.1260/3.1460	0.0780 0.0780
NOTE: Thru 3/84, Contains 4 Pieces, Position Number 3, Use With Part Number MS-1590P								
Thrust Washer Set		TW-463S MB-2925W(L) MB-2925W(U)	STD	2.6083 2.6083			3.1260/3.1460 3.1260/3.1460	0.1080 0.1080
NOTE: From 4/84, Contains 4 Pieces, Position Number 3, Use With Part Number MS-1590P								
C/S Forging S2								
Connecting Rod Main Bearing	42 To 48 Lbs.Ft. 72 To 80 Lbs.Ft.							
31	2438CC (2.4L) 2RZFE DOHC 4 Cyl (1995-2001)				3.740in./95mm x 3.390in./86.1mm			31
Rod Bearing(4)	AL-3	CB-1781AL	STD.,.25mm,.50mm	2.0861/2.0866	0.0006/0.0027	0.0590	2.2047/2.2055	0.7795
Main Bearing Set 1-5	AL-3	MS-2212AL MB-3765AL	STD.,.25mm,.50mm	2.3617/2.3622	0.0006/0.0027	0.0786	2.5197/2.5205	0.9843
2-4		MB-3766AL		2.3617/2.3622	0.0006/0.0027	0.0786	2.5197/2.5205	0.9055
3		MB-3770AL		2.3615/2.3620	0.0008/0.0029	0.0786	2.5197/2.5205	0.9055
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-604S								
Thrust Washer Set		TW-604S MB-3762W	STD	2.5591/2.5689			3.5335/3.5433	0.0978
NOTE: Contains 4 Pieces, Use With Part Number MS-2212AL								
32	2446CC (2.4L) 2L SOHC Diesel 4 Cyl (1984-1985)				3.622in./92mm x 3.622in./92mm			32
Rod Bearing(4)	AL-3	CB-1325AL	STD.,.25mm,.50mm,.75mm	2.0857/2.0866	0.0011/0.0038	0.0586	2.2047/2.2053	1.0240
Rod Bearing(4)	TM-1	CB-1359P	STD.,.25mm,.50mm,.75mm	2.0857/2.0866	0.0011/0.0037	0.0585	2.2047/2.2053	0.1024
To Be Replaced By CB-1325AL								
Main Bearing Set 1-2-3-4-5	AL-3	MS-1633AL MB-2990AL	STD.,.25mm,.50mm	2.4400/2.4409	0.0010/0.0039	0.0783	2.5994/2.6003	1.0880
NOTE: Contains Partial Grooved Main Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-400S								
Thrust Washer Set		TW-400S MB-2926W(L) MB-2926W(U)	STD	2.7560/2.7760 2.7560/2.7760			3.2027/3.2240 3.2027/3.2240	0.0980 0.0980
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1633AL								
Cam Bearing Set 1	AL-3	SH-1248S SH-1248	STD	1.3763/1.3773	0.0009/0.0030	0.0594	1.4972/1.4982	1.1030
2-3		SH-1249		1.3763/1.3773	0.0009/0.0030	0.0594	1.4972/1.4982	0.7870
NOTE: Contains Flanged Bearing, Use in Lower Half, Position Number 1								
Connecting Rod Main Bearing	46 Lbs.Ft. 76 Lbs.Ft.							
33	2446CC (2.4L) 2LT SOHC Turbocharged Diesel 4 Cyl (1985-1987)				3.622in./92mm x 3.622in./92mm			33
Rod Bearing(4)	AL-3	CB-1472AL	STD.,.25mm,.50mm	2.1645/2.1654	0.0011/0.0035	0.0585	2.2828/2.2835	1.0240
Main Bearing Set 1-2-3-4-5	AL-3	MS-1633AL MB-2990AL	STD.,.25mm,.50mm	2.4400/2.4409	0.0010/0.0039	0.0783	2.5994/2.6003	1.0880
NOTE: Contains Partial Grooved Main Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-400S								
Thrust Washer Set		TW-400S MB-2926W(L) MB-2926W(U)	STD	2.7560/2.7760 2.7560/2.7760			3.2027/3.2240 3.2027/3.2240	0.0980 0.0980
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1633AL								
Cam Bearing Set 1	AL-3	SH-1248S SH-1248	STD	1.3763/1.3773	0.0009/0.0030	0.0594	1.4972/1.4982	1.1030
2-3		SH-1249		1.3763/1.3773	0.0009/0.0030	0.0594	1.4972/1.4982	0.7870
NOTE: Contains Flanged Bearing, Use in Lower Half, Position Number 1								

TOYOTA (Cont.)

TOYOTA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
33 (Cont.)	2446CC (2.4L) 2LT SOHC Turbocharged Diesel 4 Cyl (1985-1987)			3.622in./92mm x 3.622in./92mm				33 (Cont.)
Connecting Rod		46 Lbs.Ft.						
Main Bearing		76 Lbs.Ft.						
34	2694CC (2.7L) 3RZFE DOHC 4 Cyl (1994-2001)			3.740in./95mm x 3.740in./95mm				34
Main Bearing Set	AL-3	MS-2212AL	STD,.25mm,.50mm					
1-5		MB-3765AL		2.3617/2.3622	0.0006/0.0027	0.0786	2.5197/2.5205	0.9843
2-4		MB-3766AL		2.3617/2.3622	0.0006/0.0027	0.0786	2.5197/2.5205	0.9055
3		MB-3770AL		2.3615/2.3620	0.0008/0.0029	0.0786	2.5197/2.5205	0.9055
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S								
Thrust Washer Set		TW-401S	STD					
		MB-2965W(L)		2.1102/2.1220			2.5827/2.5945	0.0980
		MB-2965W(U)		2.1102/2.1220			2.5827/2.5945	0.0980
NOTE: Contains 4 Pieces, Use With Part Number MS-2212AL								
35	2771CC (2.8L) 5P 4 Cyl			3.661in./93mm x 4.016in./102mm				35
Rod Bearing(4)	AL-3	CB-1807AL	STD,.25mm,.50mm	2.1654		0.0585	2.2835	1.0866
Main Bearing Set	TM-1	MS-2217P	STD,.25mm,.50mm					
1-2-4-5		MB-3778P		2.7559		0.0783	2.9134	0.8898
3		MB-3779P		2.7559		0.0783	2.9134	1.1654
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-609S								
Thrust Washer Set		TW-609S	STD					
		MB-3777W(U)		3.0020		0.1173	3.5433	
		MB-3777W(L)		3.0020		0.1173		
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2217P								
Cam Bearing Set	B-1	SH-1982S	STD					
1		SH-1982		/1.8573		0.0748	2.0079/	0.9449
2		SH-1983		/1.8494		0.0787	2.0079/	0.7874
3		SH-1984		/1.8415		0.0827	2.0079/	0.7874
4		SH-1985		/1.8337		0.0866	2.0079/	0.9449
Piston Pin Bushing	B	223-3661		/1.0630		0.0602	1.1811/	1.2008
36	2977CC (3.0L) 11B Diesel 4 Cyl (1984-1990)			3.740in./95mm x 4.134in./105mm				36
	3431CC (3.4L) 13B Diesel 4 Cyl (1984-1990)			4.016in./102mm x 4.134in./105mm				
	3431CC (3.4L) 13BT Turbocharged Diesel 4 Cyl (1984-1990)			4.016in./102mm x 4.134in./105mm				
Rod Bearing(4)	AL-3	CB-1464AL	STD,.25mm,.50mm	2.4009/2.4016	0.0008/0.0031	0.0585	2.5197/2.5025	1.1810
NOTE: 11B And 13B To 3/88; 13BT To 8/88								
Main Bearing Set	TM-1	MS-1499P	STD,.25mm					
1-2-4-5		MB-2812P		2.7551/2.7559	0.0008/0.0033	0.0980	2.9528/2.9537	1.0870
3		MB-2813P(F)		2.7551/2.7559	0.0008/0.0033	0.0980	2.9528/2.9537	1.3350
NOTE: Thru 8/84, .25mm Undersize Set Contains .15mm Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-1430S	STD					
1		SH-1430		1.8563/1.8573	0.0010/0.0024	0.0754	2.0102	0.9330
2		SH-1108		1.8484/1.8494	0.0010/0.0024	0.0793	2.0102	0.7800
3		SH-1109		1.8405/1.8415	0.0010/0.0024	0.0833	2.0102	0.9330
NOTE: Thru 8/84								
Cam Bearing Set	B-1	SH-1481S	STD					
1		SH-1481		2.1048/2.1053	0.0003/0.0028	0.0791	2.2638/2.2650	0.7870
2		SH-1482		2.0949/2.0955	0.0003/0.0028	0.0791	2.2539/2.2551	0.7870
3		SH-1478		2.0851/2.0856	0.0003/0.0028	0.0594	2.2047/2.2053	0.7870
4		SH-1479		2.0752/2.0758	0.0003/0.0028	0.0644	2.2047/2.2053	0.7870
5		SH-1480		2.0654/2.0659	0.0003/0.0028	0.0742	2.2146/2.2158	0.7870
NOTE: From 6/86,Thru 8/88								
Cam Bearing Set	B-1	SH-1485S	STD					
1		SH-1481		2.1048/2.1053	0.0003/0.0028	0.0791	2.2638/2.2650	0.7870
2		SH-1482		2.0949/2.0955	0.0003/0.0028	0.0791	2.2539/2.2551	0.7870
3		SH-1483		2.0851/2.0856	0.0003/0.0028	0.0791	2.2441/2.2453	0.7870
4		SH-1484		2.0752/2.0758	0.0003/0.0028	0.0841	2.2441/2.2453	0.7870
5		SH-1485		2.0654/2.0659	0.0003/0.0028	0.0939	2.2539/2.2551	0.7870
NOTE: From 9/88								

TOYOTA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
36 (Cont.)	2977CC (3.0L) 11B Diesel 4 Cyl (1984-1990) 3431CC (3.4L) 13B Diesel 4 Cyl (1984-1990) 3431CC (3.4L) 13BT Turbocharged Diesel 4 Cyl (1984-1990)				3.740in./95mm x 4.134in./105mm 4.016in./102mm x 4.134in./105mm 4.016in./102mm x 4.134in./105mm			36 (Cont.)
Connecting Rod	54 Lbs.Ft. (	2977CC (3.0L) 11B)						
Connecting Rod	69 Lbs.Ft. (	3431CC (3.4L) 13B,3431CC (3.4L) 13BT)						
Main Bearing	82 Lbs.Ft.							
37	2977CC (3.0L) B Diesel 4 Cyl (1972-1990)				3.740in./95mm x 4.134in./105mm			37
Rod Bearing(4)	AL-3	CB-1240P	STD,.25mm,.50mm	2.3228/2.3320	0.0008/0.0029	0.0587	2.4409/2.4417	1.1810
NOTE: Thru 3/88								
Main Bearing Set	TM-1	MS-1499P	STD,.25mm					
1-2-4-5		MB-2812P		2.7551/2.7559	0.0008/0.0033	0.0980	2.9528/2.9537	1.0870
3		MB-2813P(F)		2.7551/2.7559	0.0008/0.0033	0.0980	2.9528/2.9537	1.3350
NOTE: Thru 8/84, .25mm Undersize Set Contains .15mm Oversize Length Flanged Bearing								
Thrust Washer Set		TW-475S	STD					
		MB-3181W		3.0020			3.5630	0.0980
NOTE: From 9/84, Contains 4 Pieces, Position Number 3								
Cam Bearing Set	B-1	SH-1430S	STD					
1		SH-1430		1.8563/1.8573	0.0010/0.0024	0.0754	2.0102	0.9330
2		SH-1108		1.8484/1.8494	0.0010/0.0024	0.0793	2.0102	0.7800
3		SH-1109		1.8405/1.8415	0.0010/0.0024	0.0833	2.0102	0.9330
NOTE: Thru 8/84								
Cam Bearing Set	B-1	SH-1481S	STD					
1		SH-1481		2.1048/2.1053	0.0003/0.0028	0.0791	2.2638/2.2650	0.7870
2		SH-1482		2.0949/2.0955	0.0003/0.0028	0.0791	2.2539/2.2551	0.7870
3		SH-1478		2.0851/2.0856	0.0003/0.0028	0.0594	2.2047/2.2053	0.7870
4		SH-1479		2.0752/2.0758	0.0003/0.0028	0.0644	2.2047/2.2053	0.7870
5		SH-1480		2.0654/2.0659	0.0003/0.0028	0.0742	2.2146/2.2158	0.7870
NOTE: From 6/86,Thru 8/88								
Cam Bearing Set	B-1	SH-1485S	STD					
1		SH-1481		2.1048/2.1053	0.0003/0.0028	0.0791	2.2638/2.2650	0.7870
2		SH-1482		2.0949/2.0955	0.0003/0.0028	0.0791	2.2539/2.2551	0.7870
3		SH-1483		2.0851/2.0856	0.0003/0.0028	0.0791	2.2441/2.2453	0.7870
4		SH-1484		2.0752/2.0758	0.0003/0.0028	0.0841	2.2441/2.2453	0.7870
5		SH-1485		2.0654/2.0659	0.0003/0.0028	0.0939	2.2539/2.2551	0.7870
NOTE: From 9/88								
Connecting Rod	54 Lbs.Ft.							
Main Bearing	82 Lbs.Ft.							
38	3168CC (3.2L) 2B Diesel 4 Cyl (1977-1982)				3.858in./98mm x 4.134in./105mm			38
Rod Bearing(4)	AL-3	CB-1240P	STD,.25mm,.50mm	2.3228/2.3320	0.0008/0.0029	0.0587	2.4409/2.4417	1.1810
Main Bearing Set	TM-1	MS-1499P	STD,.25mm					
1-2-4-5		MB-2812P		2.7551/2.7559	0.0008/0.0033	0.0980	2.9528/2.9537	1.0870
3		MB-2813P(F)		2.7551/2.7559	0.0008/0.0033	0.0980	2.9528/2.9537	1.3350
NOTE: .25mm Undersize Set Contains .15mm Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-1430S	STD					
1		SH-1430		1.8563/1.8573	0.0010/0.0024	0.0754	2.0102	0.9330
2		SH-1108		1.8484/1.8494	0.0010/0.0024	0.0793	2.0102	0.7800
3		SH-1109		1.8405/1.8415	0.0010/0.0024	0.0833	2.0102	0.9330
Connecting Rod	54 Lbs.Ft.							
Main Bearing	82 Lbs.Ft.							
39	3431CC (3.4L) 3B Diesel 4 Cyl (1980-1990)				4.016in./102mm x 4.134in./105mm			39
Rod Bearing(4)	AL-3	CB-1464AL	STD,.25mm,.50mm	2.4009/2.4016	0.0008/0.0031	0.0585	2.5197/2.5025	1.1810
NOTE: Thru 5/86								
Main Bearing Set	TM-1	MS-1499P	STD,.25mm					
1-2-4-5		MB-2812P		2.7551/2.7559	0.0008/0.0033	0.0980	2.9528/2.9537	1.0870
3		MB-2813P(F)		2.7551/2.7559	0.0008/0.0033	0.0980	2.9528/2.9537	1.3350
NOTE: Thru 8/84, .25mm Undersize Set Contains .15mm Oversize Length Flanged Bearing								

TOYOTA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
39 (Cont.)	3431CC (3.4L) 3B Diesel 4 Cyl (1980-1990)			4.016in./102mm x 4.134in./105mm				39 (Cont.)
Cam Bearing Set	B-1	SH-1430S	STD					
1		SH-1430		1.8563/1.8573	0.0010/0.0024	0.0754	2.0102	0.9330
2		SH-1108		1.8484/1.8494	0.0010/0.0024	0.0793	2.0102	0.7800
3		SH-1109		1.8405/1.8415	0.0010/0.0024	0.0833	2.0102	0.9330
NOTE: Thru 8/84								
Cam Bearing Set	B-1	SH-1481S	STD					
1		SH-1481		2.1048/2.1053	0.0003/0.0028	0.0791	2.2638/2.2650	0.7870
2		SH-1482		2.0949/2.0955	0.0003/0.0028	0.0791	2.2539/2.2551	0.7870
3		SH-1478		2.0851/2.0856	0.0003/0.0028	0.0594	2.2047/2.2053	0.7870
4		SH-1479		2.0752/2.0758	0.0003/0.0028	0.0644	2.2047/2.2053	0.7870
5		SH-1480		2.0654/2.0659	0.0003/0.0028	0.0742	2.2146/2.2158	0.7870
NOTE: From 6/86,Thru 8/88								
Cam Bearing Set	B-1	SH-1485S	STD					
1		SH-1481		2.1048/2.1053	0.0003/0.0028	0.0791	2.2638/2.2650	0.7870
2		SH-1482		2.0949/2.0955	0.0003/0.0028	0.0791	2.2539/2.2551	0.7870
3		SH-1483		2.0851/2.0856	0.0003/0.0028	0.0791	2.2441/2.2453	0.7870
4		SH-1484		2.0752/2.0758	0.0003/0.0028	0.0841	2.2441/2.2453	0.7870
5		SH-1485		2.0654/2.0659	0.0003/0.0028	0.0939	2.2539/2.2551	0.7870
NOTE: From 9/88								
Connecting Rod	69 Lbs.Ft.							
Main Bearing	82 Lbs.Ft.							
6 CYL								
40	1992CC (2.0L) 1VZFE DOHC V6 Cyl (1987-1995)			3.071in./78mm x 2.736in./69.5mm				40
	2507CC (2.5L) 2VZFE DOHC V6 Cyl (1988-1991)			3.445in./87.5mm x 2.756in./70mm				
Rod Bearing(6)	TM-1	CB-1594P	STD,.25mm,.50mm	1.8892/1.8898	0.0009/0.0034	0.0586	2.0079/2.0088	0.6690
Main Bearing Set	TM-1	MS-1954P	STD,.25mm,.50mm					
1		MB-3349P		2.5193/2.5197	0.0010/0.0033	0.0784	2.6775/2.6783	0.8660
2-3-4		MB-3350P		2.5193/2.5197	0.0010/0.0033	0.0784	2.6775/2.6783	0.7874
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-554S								
Thrust Washer Set		TW-554S	STD					
		MB-3350W		2.8051			3.4055	0.0980
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-1954P								
Connecting Rod	18 Lbs.Ft. Plus 90 Degrees							
Main Bearing	45 Lbs.Ft. Plus 90 Degrees							
41	2253CC (2.3L) 2M SOHC 6 Cyl (1968-1972)			2.953in./75mm x 3.346in./85mm				41
	2563CC (2.6L) 4M SOHC 6 Cyl (1971-1979)			3.150in./80mm x 3.346in./85mm				
Rod Bearing	TM-1	CB-1280P	STD,.25mm,.50mm,.75mm,1.00mm	2.0466/2.0472	0.0007/0.0030	0.0591	2.1659/2.1667	0.7880
NOTE: 2563CC (2.6L) 4M SOHC (1971-1976;1978-1979),2253CC (2.3L) 2M SOHC (1968-1972)								
Main Bearing Set	TM-1	MS-1104G	STD,.25mm,.50mm					
1-2-3-4-5-6-7		MB-627G		2.3610/2.3618	0.0008/0.0046	0.0791	2.5205/2.5213	0.8710
NOTE: 2563CC (2.6L) 4M SOHC (1971-1976;1978-1979),2253CC (2.3L) 2M SOHC (1968-1972), Requires Thrust Washer Set, Not Included, Use With Part Number TW-228S								
Thrust Washer Set		TW-228S	STD					
		MB-627W(L)		2.6060/2.6180			3.1340/3.1360	0.1160
		MB-627W(U)		2.6060/2.6180			3.1340/3.1360	0.1160
NOTE: 2563CC (2.6L) 4M SOHC (1971-1976;1978-1979),2253CC (2.3L) 2M SOHC (1968-1972), Contains 4 Pieces, Position Number 4, Use With Part Number MS-1104G								
Cam Bearing Set	B-1	SH-730S	STD					
1		SH-730(L)		1.3768/1.3778	0.0007/0.0053	0.0592	1.4966/1.4976	1.1030
2-3-4		SH-731		1.3768/1.3778	0.0007/0.0053	0.0592	1.4966/1.4976	0.7920
NOTE: 2563CC (2.6L) 4M SOHC (1971-1976),2253CC (2.3L) 2M SOHC (1968-1972)								
Piston Pin	B	223-3611	STD			0.0407	0.9450	0.9760
Bushing(6)								
NOTE: 2563CC (2.6L) 4M SOHC (1971-1976;1978-1979),2253CC (2.3L) 2M SOHC (1968-1972)								
C/S Forging	2M, 2MG2, L-1M							

TOYOTA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
41 (Cont.)	2253CC (2.3L) 2M SOHC 6 Cyl (1968-1972)			2.953in./75mm x 3.346in./85mm				41 (Cont.)
	2563CC (2.6L) 4M SOHC 6 Cyl (1971-1979)			3.150in./80mm x 3.346in./85mm				
Connecting Rod	31 To 34 Lbs.Ft.							
Main Bearing	72 To 78 Lbs.Ft.							
42	2496CC (2.5L) 4VZFE DOHC V6 Cyl (1988-1995)			3.445in./87.5mm x 2.724in./69.2mm				42
	2959CC (3.0L) 3VZFE DOHC V6 Cyl (1992-1993)			3.445in./87.5mm x 3.228in./82mm				
Rod Bearing(6)	TM-1	CB-1783P	STD.,25mm.,50mm	2.1648/2.1654	0.0009/0.0035	0.0587	2.2832/2.2840	0.6665
Main Bearing Set 1	TM-1	MS-1954P	STD.,25mm.,50mm	2.5193/2.5197	0.0010/0.0033	0.0784	2.6775/2.6783	0.8660
2-3-4		MB-3349P		2.5193/2.5197	0.0010/0.0033	0.0784	2.6775/2.6783	0.7874
		MB-3350P						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-554S								
Thrust Washer Set		TW-554S	STD					
		MB-3350W		2.8051			3.4055	0.0980
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-1954P								
Connecting Rod	18 Lbs.Ft. Plus 90 Degrees							
Main Bearing	45 Lbs.Ft. Plus 90 Degrees							
43	2563CC (2.6L) 4ME SOHC 6 Cyl (1979-1980)			3.150in./80mm x 3.346in./85mm				43
	2759CC (2.8L) 5ME SOHC 6 Cyl (1981-1982)			3.268in./83mm x 3.346in./85mm				
Rod Bearing	TM-1	CB-1280P	STD.,25mm.,50mm.,75mm,1.00mm	2.0466/2.0472	0.0007/0.0030	0.0591	2.1659/2.1667	0.7880
Main Bearing Set 1-2-3-4-5-6-7	TM-1	MS-1104G	STD.,25mm.,50mm	2.3610/2.3618	0.0008/0.0046	0.0791	2.5205/2.5213	0.8710
		MB-627G						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-228S								
Thrust Washer Set		TW-228S	STD					
		MB-627W(L)		2.6060/2.6180			3.1340/3.1360	0.1160
		MB-627W(U)		2.6060/2.6180			3.1340/3.1360	0.1160
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1104G								
Piston Pin Bushing(6)	B	223-3611	STD			0.0407	0.9450	0.9760
C/S Forging 2M, 2MG2								
Connecting Rod	31 To 34 Lbs.Ft. (2563CC (2.6L) 4ME SOHC)							
Connecting Rod	33 Lbs.Ft. (2759CC (2.8L) 5ME SOHC)							
Main Bearing	72 To 78 Lbs.Ft. (2563CC (2.6L) 4ME SOHC)							
Main Bearing	75 Lbs.Ft. (2759CC (2.8L) 5ME SOHC)							
44	2759CC (2.8L) 5MGE DOHC 6 Cyl (1982-1988)			3.268in./83mm x 3.346in./85mm				44
Rod Bearing	TM-1	CB-1280P	STD.,25mm.,50mm.,75mm,1.00mm	2.0466/2.0472	0.0007/0.0030	0.0591	2.1659/2.1667	0.7880
NOTE: Thru 8/84								
Rod Bearing(6)	TM-1	CB-1437P	STD.,25mm.,50mm.,75mm,1.00mm	2.0463/2.0472	0.0008/0.0035	0.0590	2.1659/2.1671	0.7870
NOTE: From 9/84								
Main Bearing Set 1-2-3-4-5-6-7	TM-1	MS-1104G	STD.,25mm.,50mm	2.3610/2.3618	0.0008/0.0046	0.0791	2.5205/2.5213	0.8710
		MB-627G						
NOTE: Thru 8/84, Requires Thrust Washer Set, Not Included, Use With Part Number TW-228S								
Main Bearing Set 1	TM-1	MS-1774P	STD.,25mm.,50mm.,75mm,1.00mm	2.3620/2.3627	0.0006/0.0032		2.5206/2.5213	0.9840
2-3-4-5-6-7		MB-3198P		2.3620/2.3627	0.0006/0.0032		2.5206/2.5213	0.9840
		MB-3199P						
NOTE: From 9/84, Requires Thrust Washer Set, Not Included, Use With Part Number TW-228S								
Thrust Washer Set		TW-228S	STD					
		MB-627W(L)		2.6060/2.6180			3.1340/3.1360	0.1160
		MB-627W(U)		2.6060/2.6180			3.1340/3.1360	0.1160
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1104G								
Piston Pin Bushing(6)	B	223-3611	STD			0.0407	0.9450	0.9760
C/S Forging 2M, 5A, 5AK, 2MG2, 59-PK, 5G9-37								
Connecting Rod	33 Lbs.Ft.							
Main Bearing	75 Lbs.Ft.							
45	2954CC (3.0L) 7MGE DOHC 6 Cyl (1987-1992)			3.268in./83mm x 3.583in./91mm				45
	2954CC (3.0L) 7MGTE DOHC Turbocharged Turbocharged 6 Cyl (1987-1992)			3.268in./83mm x 3.583in./91mm				
Rod Bearing(6)	TM-1	CB-1437P	STD.,25mm.,50mm.,75mm,1.00mm	2.0463/2.0472	0.0008/0.0035	0.0590	2.1659/2.1671	0.7870

TOYOTA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
45 (Cont.)	2954CC (3.0L) 7MGE DOHC 6 Cyl (1987-1992)			3.268in./83mm x 3.583in./91mm				45 (Cont.)
	2954CC (3.0L) 7MGTE DOHC Turbocharged 6 Cyl (1987-1992)			3.268in./83mm x 3.583in./91mm				
Main Bearing Set 1	TM-1	MS-1774P	STD.,25mm,.50mm,.75mm,1.00mm	2.3620/2.3627	0.0006/0.0032		2.5206/2.5213	0.9840
2-3-4-5-6-7		MB-3198P		2.3620/2.3627	0.0006/0.0032		2.5206/2.5213	0.9840
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-228S								
Thrust Washer Set		TW-228S	STD					
		MB-627W(L)		2.6060/2.6180			3.1340/3.1360	0.1160
		MB-627W(U)		2.6060/2.6180			3.1340/3.1360	0.1160
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1774P								
Piston Pin Bushing(6)	B	223-3611	STD			0.0407	0.9450	0.9760
C/S Forging 6M, 6-H, 77A, 74HA, 74TM, 76TM, 78TM, 81-K, 7243N, 78TM-CA, 7HA-6303								
Connecting Rod	47 Lbs.Ft.							
Main Bearing	75 Lbs.Ft.							
46	2958CC (3.0L) 3VZE SOHC V6 Cyl (1988-1995)			3.445in./87.5mm x 3.228in./82mm				46
Rod Bearing(6)	TM-1	CB-1625P	STD.,25mm,.50mm	2.1648/2.1654	0.0009/0.0024	0.0586	2.2835/2.2844	0.6620
Main Bearing Set 1	TM-1	MS-2011P	STD.,25mm,.50mm	2.5191/2.5197	0.0009/0.0017	0.0785	2.6776/2.6783	0.8660
2-3-4		MB-3472P		2.5193/2.5197	0.0010/0.0033	0.0784	2.6775/2.6783	0.7874
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-554S								
Thrust Washer Set		TW-554S	STD					
		MB-3350W		2.8051			3.4055	0.0980
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-2011P								
Connecting Rod	18 Lbs.Ft. Plus 90 Degrees							
Main Bearing	45 Lbs.Ft. Plus 90 Degrees							
47	2995CC (3.0L) 1MZFE DOHC V6 Cyl (1994-2002)			3.445in./87.5mm x 3.268in./83mm				47
Rod Bearing(6)	TM-1	CB-1833P	STD.,25mm,.50mm	2.0863/2.0866	0.0013/0.0031	0.0584	2.2047/2.2055	0.6300
Main Bearing Set 1-4	TM-1	MS-2240P	STD.,25mm,.50mm	2.4011/2.4016	0.0011/0.0031	0.0979	2.5984/2.5992	0.8860
2-3		MB-3815P		2.4011/2.4016	0.0011/0.0031	0.0979	2.5984/2.5992	0.7480
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-618S								
Thrust Washer Set		TW-618S	STD					
		MB-3816W		2.6850/2.6949			3.2953/3.3051	0.0780
NOTE: Contains 4 Pieces, Use With Part Number MS-2240P								
C/S Forging B7								
48	2997CC (3.0L) 2JZGE DOHC 6 Cyl (1993-1998)			3.386in./86mm x 3.386in./86mm				48
	2997CC (3.0L) 2JZGTE DOHC Turbocharged 6 Cyl (1993-1998)			3.386in./86mm x 3.386in./86mm				
Rod Bearing(6)	TM-1	CB-1628P	STD.,25mm	2.0465/2.0472	0.0014/0.0021	0.0595	2.1663/2.1670	0.7600
Main Bearing Set 1	TM-1	MS-2014AL	STD.,25mm	2.4403/2.4410	0.0010/0.0018	0.0791	2.5992/2.5998	0.9060
2-3-4-5-6-7		MB-3477AL		2.4403/2.4410	0.0010/0.0018	0.0791	2.5992/2.5998	0.7880
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-589S								
Thrust Washer Set		TW-589S	STD					
		MB-3477W(L)		2.6535			3.2244	0.0776
		MB-3477W(U)		2.6535			3.2244	0.0776
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2014AL								
Connecting Rod	22 Lbs.Ft. Plus 90 Degrees							
Main Bearing	33 Lbs.Ft. Plus 90 Degrees							
49	3378CC (3.4L) 5VZFE DOHC V6 Cyl (1995-2002)			3.681in./93.5mm x 3.228in./82mm				49
Rod Bearing(6)	TM-1	CB-1783P	STD.,25mm,.50mm	2.1648/2.1654	0.0009/0.0035	0.0587	2.2832/2.2840	0.6665
Main Bearing Set 1	TM-1	MS-2241P	STD.,25mm,.50mm	2.5191/2.5197	0.0012/0.0035	0.0783	2.6776/2.6783	0.8660
2-3-4		MB-3817P		2.5191/2.5197	0.0012/0.0035	0.0783	2.6776/2.6783	0.7870
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-554S								
Thrust Washer Set		TW-554S	STD					
		MB-3350W		2.8051			3.4055	0.0980
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-2241P								

TOYOTA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
50	3878CC (3.9L) F 6 Cyl (1969-1975)			3.543in./90mm x 4.016in./102mm				50
Rod Bearing(6)	AL-3	CB-1219G	STD, .25mm, .50mm, .75mm, 1.00mm	2.1254/2.1260	0.0013/0.0033	0.0547	2.2362/2.2368	1.2960
Main Bearing Set	TM-1	MS-1103G	STD, .25mm, .50mm					
1		MB-619G		2.6366/2.6378	0.0015/0.0049	0.0978	2.8346/2.8360	1.2650
2		MB-620G		2.6957/2.6968	0.0015/0.0049	0.0978	2.8937/2.8951	1.1860
3		MB-621G(F)		2.7547/2.7599	0.0015/0.0049	0.0978	2.9528/2.9541	1.4170
4		MB-622G		2.8138/2.8150	0.0015/0.0049	0.0978	3.0118/3.0132	1.5800
NOTE: 1969-1971, Dowel Pin Type Main Bearings, .25mm Undersize Set Contains .08mm Oversize Length Flanged Bearing, .50mm Undersize Set Contains .15mm Oversize Length Flanged Bearing								
Main Bearing Set	TM-1	MS-1429G	STD, .25mm, .50mm, .75mm, 1.00mm					
1		MB-2747G		2.6369/2.6378	0.0009/0.0044	0.0983	2.8350/2.8360	1.2600
2		MB-2748G		2.6359/2.6968	0.0009/0.0044	0.0983	2.8941/2.8951	1.1810
3		MB-2749G(F)		2.7550/2.7559	0.0009/0.0044	0.0983	2.9531/2.9541	1.4160
4		MB-2750G		2.8140/2.8149	0.0009/0.0044	0.0983	3.0122/3.0132	1.5870
NOTE: 1972-1975, Locating Lug Type Main Bearings, .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing, .75mm And 1.00mm Undersize Sets Contain .25mm Oversize Length Flanged Bearing								
Main Bearing Set	TM-1	MS-2087P-.25mm .50mm						
1		MB-2747G		2.6369/2.6378	0.0009/0.0044	0.0983	2.8350/2.8360	1.2600
2		MB-2748G		2.6359/2.6968	0.0009/0.0044	0.0983	2.8941/2.8951	1.1810
3		MB-3583P(F)		2.7550/2.7559	0.0009/0.0044	0.0983	2.9531/2.9541	1.4160
4		MB-2750G		2.8140/2.8149	0.0009/0.0044	0.0983	3.0122/3.0132	1.5870
NOTE: 1972-1975, Locating Lug Type Main Bearings, All Sizes Contain Standard Length Flanged Bearing								
Main Bearing Set	TM-1	MS-2088P-.25mm .50mm						
1		MB-619G		2.6366/2.6378	0.0015/0.0049	0.0978	2.8346/2.8360	1.2650
2		MB-620G		2.6957/2.6968	0.0015/0.0049	0.0978	2.8937/2.8951	1.1860
3		MB-3584P(F)		2.7547/2.7599	0.0015/0.0049	0.0978	2.9528/2.9541	1.4170
4		MB622G		2.8138/2.8150	0.0015/0.0049	0.0978	3.0118/3.0132	1.5800
NOTE: 1969-1971, Dowel Pin Type Main Bearings, All Sizes Contain Standard Length Flanged Bearing								
Cam Bearing Set	B-1	SH-1060S	STD					
1		SH-1060		1.8880/1.8888	0.0007/0.0048	0.0791	2.0472/2.0486	1.1420
2		SH-1061		1.8289/1.8297	0.0007/0.0048	0.0791	1.9882/1.9894	0.9450
3		SH-1062		1.7699/1.7707	0.0007/0.0048	0.0791	1.9291/1.9303	0.9450
4		SH-1063		1.7108/1.7116	0.0007/0.0048	0.0791	1.8701/1.8713	0.9850
C/S Forging EB7JL, E-B7-JL								
Connecting Rod	35 To 55 Lbs.Ft.							
Main Bearing	76 To 94 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	90 To 108 Lbs.Ft. (Except Rear Bearing Cap)							
51	3956CC (4.0L) 3FE OHV 6 Cyl (1988-1992)			3.701in./94mm x 3.740in./95mm				51
Rod Bearing(6)	AL-3	CB-1440P	STD, .25mm, .50mm, .75mm	2.0861/2.0866	0.0008/0.0028	0.0593	2.2046/2.2054	0.8660
Main Bearing Set	TM-1	MS-1777P	STD, .25mm, .50mm, .75mm, 1.00mm					
1		MB-2747G		2.6369/2.6378	0.0009/0.0044	0.0983	2.8350/2.8360	1.2600
2		MB-2748G		2.6359/2.6968	0.0009/0.0044	0.0983	2.8941/2.8951	1.1810
3		MB-3195P		2.7557/2.7565	0.0009/0.0040	0.0983	2.9533/2.9541	1.1030
4		MB-3196P		2.8148/2.8156	0.0009/0.0040	0.0983	3.0124/3.0131	1.5750
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-462S								
Thrust Washer Set		TW-462S	STD					
		MB-3195W(L)		3.0807			3.5827	0.0980
		MB-3195W(U)		3.0807			3.5827	0.0980
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1777P								
Cam Bearing Set	B-1	SH-1060S	STD					
1		SH-1060		1.8880/1.8888	0.0007/0.0048	0.0791	2.0472/2.0486	1.1420
2		SH-1061		1.8289/1.8297	0.0007/0.0048	0.0791	1.9882/1.9894	0.9450
3		SH-1062		1.7699/1.7707	0.0007/0.0048	0.0791	1.9291/1.9303	0.9450
4		SH-1063		1.7108/1.7116	0.0007/0.0048	0.0791	1.8701/1.8713	0.9850
Connecting Rod	43 Lbs.Ft.							
Main Bearing	85 Lbs.Ft. (17mm Bolts)							
Main Bearing	99 Lbs.Ft. (19mm Bolts)							

TOYOTA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
52	4230CC (4.2L) 2F OHV 6 Cyl (1975-1987)			3.701in./94mm x 4.016in./102mm				52
Rod Bearing(6)	AL-3	CB-1219G	STD,.25mm,.50mm,.75mm,1.00mm	2.1254/2.1260	0.0013/0.0033	0.0547	2.2362/2.2368	1.2960
Main Bearing Set	TM-1	MS-1429G	STD,.25mm,.50mm,.75mm,1.00mm					
1		MB-2747G		2.6369/2.6378	0.0009/0.0044	0.0983	2.8350/2.8360	1.2600
2		MB-2748G		2.6359/2.6968	0.0009/0.0044	0.0983	2.8941/2.8951	1.1810
3		MB-2749G(F)		2.7550/2.7559	0.0009/0.0044	0.0983	2.9531/2.9541	1.4160
4		MB-2750G		2.8140/2.8149	0.0009/0.0044	0.0983	3.0122/3.0132	1.5870
NOTE: Locating Lug Type Main Bearings,Thru 10/84, .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm And 1.00mm Undersize Sets Contains .25mm Oversize Length Flanged Bearing								
Main Bearing Set	TM-1	MS-1777P	STD,.25mm,.50mm,.75mm,1.00mm					
1		MB-2747G		2.6369/2.6378	0.0009/0.0044	0.0983	2.8350/2.8360	1.2600
2		MB-2748G		2.6359/2.6968	0.0009/0.0044	0.0983	2.8941/2.8951	1.1810
3		MB-3195P		2.7557/2.7565	0.0009/0.0040	0.0983	2.9533/2.9541	1.1030
4		MB-3196P		2.8148/2.8156	0.0009/0.0040	0.0983	3.0124/3.0131	1.5750
NOTE: From 10/84, Requires Thrust Washer Set, Not Included, Use With Part Number TW-462S								
Main Bearing Set	TM-1	MS-2087P-.25mm	.50mm					
1		MB-2747G		2.6369/2.6378	0.0009/0.0044	0.0983	2.8350/2.8360	1.2600
2		MB-2748G		2.6359/2.6968	0.0009/0.0044	0.0983	2.8941/2.8951	1.1810
3		MB-3583P(F)		2.7550/2.7559	0.0009/0.0044	0.0983	2.9531/2.9541	1.4160
4		MB-2750G		2.8140/2.8149	0.0009/0.0044	0.0983	3.0122/3.0132	1.5870
NOTE: Locating Lug Type Main Bearings,Thru 10/84, All Sizes Contain Standard Length Flanged Bearing								
Thrust Washer Set		TW-462S	STD					
		MB-3195W(L)		3.0807			3.5827	0.0980
		MB-3195W(U)		3.0807			3.5827	0.0980
NOTE: From 10/84, Contains 4 Pieces, Position Number 3, Use With Part Number MS-1777P								
Cam Bearing Set	B-1	SH-1060S	STD					
1		SH-1060		1.8880/1.8888	0.0007/0.0048	0.0791	2.0472/2.0486	1.1420
2		SH-1061		1.8289/1.8297	0.0007/0.0048	0.0791	1.9882/1.9894	0.9450
3		SH-1062		1.7699/1.7707	0.0007/0.0048	0.0791	1.9291/1.9303	0.9450
4		SH-1063		1.7108/1.7116	0.0007/0.0048	0.0791	1.8701/1.8713	0.9850
C/S Forging	E-B7-JL							
Connecting Rod	35 To 55 Lbs.Ft.							
Main Bearing	76 To 94 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	90 To 108 Lbs.Ft. (Except Rear Bearing Cap)							
53	4476CC (4.5L) 1FZFE DOHC 6 Cyl (1993-1997)			3.937in./100mm x 3.740in./95mm				53
Rod Bearing(6)	TM-1	CB-1656AL	STD,.25mm,.50mm,.75mm	2.2434/2.2441	0.0013/0.0024	0.0687	2.3829/2.3836	0.8430
Main Bearing Set	TM-1	MS-2061AL	STD,.25mm,.50mm,.75mm					
1-2-3-4-5-6-7		MB-3551AL		2.7158/2.7165	0.0015/0.0028	0.0981	2.9144/2.9151	0.9210
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-598S								
Thrust Washer Set		TW-598S	STD					
		MB-3551W(L)		2.9587			3.6969	0.0974
		MB-3551W(U)		2.9587			3.6969	0.0974
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-2061AL								
Connecting Rod	35 Lbs.Ft. Plus 90 Degrees							
Main Bearing	54 Lbs.Ft. Plus 90 Degrees							

TRIUMPH

ENGINE DATA

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				6 CYL (Cont.)			
1147CC (1.2L) 8.5 to 1 Compression	1961-1967	2.728in./69.3mmX2.992in./76mm	1	1998CC (2.0L) 9.25 to 1 Compression	1969-1970	2.953in./75mmX2.992in./76mm	6
1296CC (1.3L) 9.0 to 1 Compression	1967-1974	2.913in./74mmX2.992in./76mm	2	1998CC (2.0L) 9.5 to 1 Compression	1966-1970	2.953in./75mmX2.992in./76mm	6
1493CC (1.5L) 7.5 to 1 Compression	1973-1980	2.913in./74mmX3.465in./88mm	3	2498CC (2.5L) 7.5 to 1 Compression	1972-1976	2.941in./74.7mmX3.740in./95mm	6
1991CC (2.0L) 8.5 to 1 Compression	1954-1962	3.268in./83mmX3.622in./92mm	4	2498CC (2.5L) 8.5 to 1 Compression	1968	2.941in./74.7mmX3.740in./95mm	6
1998CC (2.0L) 8.0 to 1 Compression	1975-1981	3.555in./90.3mmX3.071in./78mm	5	2498CC (2.5L) 8.6 to 1 Compression	1969-1976	2.941in./74.7mmX3.740in./95mm	6
2138CC (2.1L) 9.0 to 1 Compression	1963-1967	3.386in./86mmX3.622in./92mm	4	8 CYL			
6 CYL				3528CC (3.5L) Land Rover	1980-1981	3.500in./88.9mmX2.795in./71mm	7
1998CC (2.0L) 8.0 to 1 Compression	1971-1973	2.953in./75mmX2.992in./76mm	6				

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
GT6	1998CC (2.0L) 9.5 to 1 Compression	1966-1970	6	TR3B	1991CC (2.0L) 8.5 to 1 Compression	1962	4
GT6	1998CC (2.0L) 8.0 to 1 Compression	1971-1973	6	TR4	1991CC (2.0L) 8.5 to 1 Compression	1962-1964	4
GT6+	1998CC (2.0L) 9.25 to 1 Compression	1969-1970	6	TR4	2138CC (2.1L) 9.0 to 1 Compression	1962-1964	4
Herald	1147CC (1.2L) 8.5 to 1 Compression	1961-1969	1	TR4A	2138CC (2.1L) 9.0 to 1 Compression	1965-1967	4
Herald	1296CC (1.3L) 9.0 to 1 Compression	1966-1971	2	TR6	2498CC (2.5L) 8.6 to 1 Compression	1969-1976	6
Spitfire	1147CC (1.2L) 8.5 to 1 Compression	1963-1967	1	TR6	2498CC (2.5L) 7.5 to 1 Compression	1972-1976	6
Spitfire	1296CC (1.3L) 9.0 to 1 Compression	1968-1972	2	TR7	1998CC (2.0L) 8.0 to 1 Compression	1975-1981	5
Spitfire	1493CC (1.5L) 7.5 to 1 Compression	1973-1980	3	TR8	3528CC (3.5L) Land Rover	1980-1981	7
TR2	1991CC (2.0L) 8.5 to 1 Compression	1954-1955	4	TR250	2498CC (2.5L) 8.5 to 1 Compression	1968	6
TR3	1991CC (2.0L) 8.5 to 1 Compression	1956-1957	4	Toledo	1296CC (1.3L) 9.0 to 1 Compression	1970-1976	2
TR3A	1991CC (2.0L) 8.5 to 1 Compression	1958-1961	4				

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1G5B	2.992in./76mm	6	1746N	3.071in./78mm	5	301431	3.622in./92mm	4	581921	3.622in./92mm	4
1G5B	3.071in./78mm	5	10801Z106	3.622in./92mm	4	303034	2.992in./76mm	6	10801280	3.622in./92mm	4
1746N	2.992in./76mm	6	301015	3.622in./92mm	4	303034	3.071in./78mm	5	RRYEINGU	3.740in./95mm	6

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1147CC (1.2L) 8.5 to 1 Compression 4 Cyl (1961-1967)			2.728in./69.3mm x 2.992in./76mm				1
Rod Bearing(4)	AL-3	CB-727P	STD	1.6250/1.6256	0.0011/0.0031	0.0722	1.7705/1.7710	0.6920
Connecting Rod Main Bearing	42 To 46 Lbs.Ft. 55 To 60 Lbs.Ft.							
2	1296CC (1.3L) 9.0 to 1 Compression 4 Cyl (1967-1974)			2.913in./74mm x 2.992in./76mm				2
Rod Bearing(4)	AL-3	CB-727P	STD	1.6250/1.6256	0.0011/0.0031	0.0722	1.7705/1.7710	0.6920
NOTE: 1967-1969								
Rod Bearing(4)	AL-3	CB-982P	STD,10,20,30	1.8750/1.8755	0.0016/0.0036	0.0722	2.0210/2.0215	0.6920
NOTE: 1970-1974								

TRIUMPH (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
2 (Cont.)	1296CC (1.3L) 9.0 to 1 Compression 4 Cyl (1967-1974)			2.913in./74mm x 2.992in./76mm				2 (Cont.)
Main Bearing Set 1-2-3	AL-3	MS-1109P MB-617P	STD,10,20,30	2.3110/2.3115	0.0015/0.0036	0.0720	2.4570/2.4575	0.8550
NOTE: 1970-1974, Requires Thrust Washer Set, Not Included, Use With Part Number TW-229S								
Thrust Washer Set		TW-229S MB-617W	STD	2.5820/2.5920			3.0500/3.0600	0.0920
NOTE: 1970-1974, Contains 2 Pieces, Position Number 2, Use With Part Number MS-1109P								
Connecting Rod	42 To 46 Lbs.Ft.							
Connecting Rod	45 Lbs.Ft. (1970-1974,)							
Main Bearing	55 To 60 Lbs.Ft. (1967-1969,)							
Main Bearing	65 Lbs.Ft. (1970-1972,)							
3	1493CC (1.5L) 7.5 to 1 Compression 4 Cyl (1973-1980)			2.913in./74mm x 3.465in./88mm				3
Rod Bearing(4)	AL-3	CB-982P	STD,10,20,30	1.8750/1.8755	0.0016/0.0036	0.0722	2.0210/2.0215	0.6920
Main Bearing Set 1-2-3	AL-3	MS-1109P MB-617P	STD,10,20,30	2.3110/2.3115	0.0015/0.0036	0.0720	2.4570/2.4575	0.8550
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-229S								
Thrust Washer Set		TW-229S MB-617W	STD	2.5820/2.5920			3.0500/3.0600	0.0920
NOTE: Contains 2 Pieces, Position Number 2, Use With Part Number MS-1109P								
Connecting Rod	45 Lbs.Ft. (1970-1972,)							
Main Bearing	65 Lbs.Ft.							
4	1991CC (2.0L) 8.5 to 1 Compression 4 Cyl (1954-1962) 2138CC (2.1L) 9.0 to 1 Compression 4 Cyl (1963-1967)			3.268in./83mm x 3.622in./92mm 3.386in./86mm x 3.622in./92mm				4
Rod Bearing(4)	AL-3	CB-496AL-10 CB-496AL		2.0860/2.0866	0.0020/0.0044	0.0724	2.2327/2.2335	0.9750
C/S Forging 301015, 301431, 581921, 10801280, 10801Z106								
Connecting Rod	55 To 60 Lbs.Ft.							
Main Bearing	85 To 90 Lbs.Ft.							
5	1998CC (2.0L) 8.0 to 1 Compression 4 Cyl (1975-1981)			3.555in./90.3mm x 3.071in./78mm				5
Rod Bearing(4)	AL-3	CB-1015AL	STD,10,20,30	1.7500/1.7505	0.0010/0.0030	0.0720	1.8955/1.8960	0.7450
C/S Forging 1G5B, 1746N, 303034								
Connecting Rod	45 Lbs.Ft.							
Main Bearing	65 Lbs.Ft.							
6 CYL								
6	1998CC (2.0L) 8.0 to 1 Compression 6 Cyl (1971-1973) 1998CC (2.0L) 9.25 to 1 Compression 6 Cyl (1969-1970) 1998CC (2.0L) 9.5 to 1 Compression 6 Cyl (1966-1970) 2498CC (2.5L) 7.5 to 1 Compression 6 Cyl (1972-1976) 2498CC (2.5L) 8.5 to 1 Compression 6 Cyl (1968) 2498CC (2.5L) 8.6 to 1 Compression 6 Cyl (1969-1976)			2.953in./75mm x 2.992in./76mm 2.953in./75mm x 2.992in./76mm 2.953in./75mm x 2.992in./76mm 2.941in./74.7mm x 3.740in./95mm 2.941in./74.7mm x 3.740in./95mm 2.941in./74.7mm x 3.740in./95mm				6
Rod Bearing(6)	AL-3	CB-982P	STD,10,20,30	1.8750/1.8755	0.0016/0.0036	0.0722	2.0210/2.0215	0.6920
Thrust Washer Set		TW-229S MB-617W	STD	2.5820/2.5920			3.0500/3.0600	0.0920
NOTE: Contains 2 Pieces, Position Number 1								
C/S Forging 1G5B, 1746N, 303034, RRYEINGU								
Connecting Rod	38 To 42 Lbs.Ft.							
Main Bearing	55 To 60 Lbs.Ft.							
8 CYL								
7	3528CC (3.5L) Land Rover V8 Cyl (1980-1981)			3.500in./88.9mm x 2.795in./71mm				7
Rod Bearing(8)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set 1-2-4-5	TM-77	MS-558P MB-3135P	STD,10	2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
3		MB-2075P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0580
Connecting Rod	30 To 45 Lbs.Ft.							
Main Bearing	50 To 55 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	65 To 70 Lbs.Ft. (Rear Bearing Cap)							

VOLKSWAGEN

ENGINE DATA

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				4 CYL (Cont.)			
1192CC (1.2L) 30 B.H.P.	1954-1965	3.031in./77mmX2.513in./64mm	1	1715CC (1.7L) JF	1982-1984	3.130in./79.5mmX3.386in./86mm	5
1192CC (1.2L) 34 B.H.P.	1961-1965	3.031in./77mmX2.513in./64mm	1	1715CC (1.7L) WT	1982-1983	3.130in./79.5mmX3.386in./86mm	5
1192CC (1.2L) 36 B.H.P.	1954-1960	3.031in./77mmX2.513in./64mm	2	1780CC (1.8L)	1990-1992	3.189in./81mmX3.386in./86mm	8
1192CC (1.2L) 40	1961-1964	3.031in./77mmX2.513in./64mm	3	2H/ABG/HT/PF/PG/RD/RV/UM			
Horsepower				Supercharged			
1285CC (1.3L) F	1966	3.031in./77mmX2.716in./69mm	4	1780CC (1.8L) JH SOHC	1983-1989	3.189in./81mmX3.386in./86mm	8
1457CC (1.5L) EH/FX	1978-1980	3.130in./79.5mmX2.874in./73mm	5	1780CC (1.8L) JN	1984-1989	3.189in./81mmX3.386in./86mm	8
1471CC (1.5L) CK Diesel	1977-1980	3.012in./76.5mmX3.150in./80mm	6	1780CC (1.8L) PL DOHC - 16 Valve	1986-1989	3.189in./81mmX3.386in./86mm	8
1471CC (1.5L)	1974-1975	3.012in./76.5mmX3.150in./80mm	6	1781CC (1.8L) AEB	1998-2002	3.189in./81mmX3.402in./86.4mm	10
FC/FG/XR/XS Gas				Turbocharged/Intercooled			
1471CC (1.5L)	1974	3.012in./76.5mmX3.150in./80mm	6	1795CC (1.8L) EC	1974	3.661in./93mmX2.598in./66mm	9
XV/XW/XY/XZ Gas				1795CC (1.8L) ED	1974-1975	3.661in./93mmX2.598in./66mm	9
1493CC (1.5L) 50	1965-1967	3.366in./85.5mmX2.716in./69mm	7	1896CC (1.9L) 1Z	1996-1997	3.130in./79.5mmX3.759in./95.5mm	11
B.H.P./HO				Turbocharged Diesel			
1493CC (1.5L) H	1967-1969	3.268in./83mmX2.716in./69mm	4	1896CC (1.9L) AAZ	1993-1997	3.130in./79.5mmX3.759in./95.5mm	11
1584CC (1.6L)	1966-1979	3.366in./85.5mmX2.716in./69mm	4	Turbocharged Diesel			
1584CC (1.6L) B	1968-1979	3.366in./85.5mmX2.716in./69mm	4	1896CC (1.9L) AHH	1998	3.130in./79.5mmX3.759in./95.5mm	11
1588CC (1.6L) CR Diesel	1981-1983	3.012in./76.5mmX3.386in./86mm	8	Turbocharged Diesel			
1588CC (1.6L) CS Diesel	1982-1984	3.012in./76.5mmX3.386in./86mm	8	1896CC (1.9L) AHU	1997-1999	3.130in./79.5mmX3.759in./95.5mm	11
1588CC (1.6L) CY Turbo	1982-1984	3.130in./79.5mmX3.150in./80mm	8	Turbocharged Diesel			
Turbocharged Diesel				1896CC (1.9L) ALH	1998-2002	3.130in./79.5mmX3.759in./95.5mm	11
1588CC (1.6L) EE	1977	3.130in./79.5mmX3.150in./80mm	6	Turbocharged Diesel			
1588CC (1.6L) EJ	1979-1980	3.130in./79.5mmX3.150in./80mm	6	1970CC (2.0L)	1976-1979	3.701in./94mmX2.795in./71mm	9
1588CC (1.6L) FN	1976	3.130in./79.5mmX3.150in./80mm	6	BHP/GD/GE			
1588CC (1.6L) JK Diesel	1982-1984	3.012in./76.5mmX3.386in./86mm	8	1984CC (2.0L) 9A DOHC	1990-1994	3.248in./82.5mmX3.661in./93mm	8
1588CC (1.6L) MD Turbo	1985	3.130in./79.5mmX3.150in./80mm	8	1984CC (2.0L) ABA SOHC	1993-1999	3.248in./82.5mmX3.649in./92.7mm	8
Turbocharged Diesel							
1588CC (1.6L) ME Diesel	1985	3.130in./79.5mmX3.150in./80mm	8	5 CYL			
1588CC (1.6L) MF Turbo	1985-1986	3.130in./79.5mmX3.150in./80mm	8	2144CC (2.2L) KM	1984	3.130in./79.5mmX3.386in./86mm	12
Turbocharged Diesel				2144CC (2.2L) WE	1983	3.130in./79.5mmX3.386in./86mm	13
1588CC (1.6L) SOHC 8 Valve Turbocharged Diesel	1992	3.012in./76.5mmX3.385in./86mm	8	2226CC (2.2L) JT/KX	1985-1988	3.189in./81mmX3.386in./86mm	12
1588CC (1.6L) YG	1976-1980	3.130in./79.5mmX3.150in./80mm	6	6 CYL			
1588CC (1.6L) YH	1976-1980	3.130in./79.5mmX3.150in./80mm	6	2771CC (2.8L) AHA	1998-2000	3.248in./82.5mmX3.400in./86.4mm	14
1588CC (1.6L) YK	1976-1980	3.130in./79.5mmX3.150in./80mm	6	DOHC Audi			
1679CC (1.7L)	1971-1973	3.543in./90mmX2.598in./66mm	9	2792CC (2.8L) AAA	1992-1999	3.189in./81mmX3.555in./90.3mm	15
1679CC (1.7L) CB	1972-1974	3.543in./90mmX2.598in./66mm	9				
1715CC (1.7L) EN	1981-1984	3.130in./79.5mmX3.386in./86mm	5				

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
Beetle	1192CC (1.2L) 30 B.H.P.	1954-1965	1	Golf	1896CC (1.9L) ALH Diesel	1999-2005	11
Beetle	1192CC (1.2L) 34 B.H.P.	1961-1965	1	Golf	1984CC (2.0L) 9A DOHC	1990-1992	8
Beetle	1285CC (1.3L) F	1966	4	Golf	1984CC (2.0L) ABA SOHC	1993-1999	8
Beetle	1493CC (1.5L) H	1967-1969	4	Golf	2792CC (2.8L) AAA	1995-1998	15
Beetle	1584CC (1.6L)	1970-1979	4	Jetta	1588CC (1.6L) EJ	1980	6
Cabrio	1984CC (2.0L) ABA SOHC	1995-2002	8	Jetta	1588CC (1.6L) CR Diesel	1981-1982	8
Cabriolet	1780CC (1.8L) JH SOHC	1984-1989	8	Jetta	1588CC (1.6L) CY Turbo Diesel	1982-1984	8
Corrado	1780CC (1.8L)	1990-1992	8	Jetta	1588CC (1.6L) JK Diesel	1984	8
	2H/ABG/HT/PF/PG/RD/RV/UM			Jetta	1588CC (1.6L) ME Diesel	1985-1992	8
Corrado	2792CC (2.8L) AAA	1992-1995	15	Jetta	1588CC (1.6L) MF Turbo Diesel	1985-1986	8
Dasher	1471CC (1.5L) XV/XW/XY/XZ Gas	1974	6	Jetta	1588CC (1.6L) SOHC 8 Valve Diesel	1992	8
Dasher	1471CC (1.5L) FC/FG/XR/XS Gas	1975	6	Jetta	1715CC (1.7L) EN	1981-1984	5
Dasher	1471CC (1.5L) CK Diesel	1979-1980	6	Jetta	1780CC (1.8L) JH SOHC	1984	8
Dasher	1588CC (1.6L) YG	1976-1980	6	Jetta	1780CC (1.8L) PL DOHC - 16 Valve	1987-1989	8
Dasher	1588CC (1.6L) YH	1976-1980	6	Jetta	1896CC (1.9L) 1Z Diesel	1996	11
Dasher	1588CC (1.6L) YK	1976-1980	6	Jetta	1896CC (1.9L) AAZ Diesel	1993-1997	11
Dasher	1588CC (1.6L) CR Diesel	1981	8	Jetta	1896CC (1.9L) AHU Diesel	1997-1999	11
Fox	1780CC (1.8L) JN	1986-1990	8	Jetta	1896CC (1.9L) ALH Diesel	1998-2005	11
Golf	1588CC (1.6L) ME Diesel	1985-1986	8	Jetta	1984CC (2.0L) 9A DOHC	1990-1992	8
Golf	1780CC (1.8L) PL DOHC - 16 Valve	1987-1989	8	Jetta	1984CC (2.0L) ABA SOHC	1993-1998	8
Golf	1896CC (1.9L) 1Z Diesel	1996-1997	11	Jetta	2792CC (2.8L) AAA	1993-1999	15
Golf	1896CC (1.9L) AAZ Diesel	1993-1997	11	Karmann Ghia	1192CC (1.2L) 30 B.H.P.	1956-1965	1
Golf	1896CC (1.9L) AHU Diesel	1997-1999	11	Karmann Ghia	1285CC (1.3L) F	1966	4

VOLKSWAGEN (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Karmann Ghia	1493CC (1.5L) H	1967-1969	4	Scirocco	1457CC (1.5L) EH/FX	1978	5
Karmann Ghia	1584CC (1.6L)	1970-1974	4	Scirocco	1471CC (1.5L) FC/FG/XR/XS	1974-1975	6
New Beetle	1896CC (1.9L) ALH Diesel	1998-2005	11		Gas		
Passat	1781CC (1.8L) AEB	1998-2005	10	Scirocco	1588CC (1.6L) FN	1976	6
Passat	1896CC (1.9L) 1Z Diesel	1996-1997	11	Scirocco	1588CC (1.6L) EE	1977	6
Passat	1896CC (1.9L) AAZ Diesel	1992-1997	11	Scirocco	1588CC (1.6L) EJ	1979-1980	6
Passat	1896CC (1.9L) AHH Diesel	1998	11	Scirocco	1715CC (1.7L) EN	1981-1983	5
Passat	1984CC (2.0L) 9A DOHC	1990-1994	8	Scirocco	1780CC (1.8L) JH SOHC	1983-1989	8
Passat	1984CC (2.0L) ABA SOHC	1995-1997	8	Scirocco	1780CC (1.8L) PL DOHC - 16 Valve	1986-1989	8
Passat	2771CC (2.8L) AHA DOHC Audi	1998-2000	14				
Passat	2792CC (2.8L) AAA	1992-1997	15	Super Beetle	1584CC (1.6L)	1971-1974	4
Quantum	1588CC (1.6L) CY Turbo Diesel	1982-1984	8	Thing	1584CC (1.6L)	1973-1974	4
Quantum	1588CC (1.6L) MD Turbo Diesel	1985	8	Type 2	1192CC (1.2L) 36 B.H.P.	1954-1960	2
Quantum	1715CC (1.7L) WT	1982-1983	5				
Quantum	1780CC (1.8L) JN	1984-1985	8	Type 2	1192CC (1.2L) 40 Horsepower	1960-1964	3
Quantum	2144CC (2.2L) WE	1983	13				
Quantum	2144CC (2.2L) KM	1984	12	Type 2	1493CC (1.5L) 50 B.H.P./HO	1963-1967	7
Quantum	2226CC (2.2L) JT/KX	1985-1988	12				
Rabbit	1457CC (1.5L) EH/FX	1978-1979	5	Type 2	1584CC (1.6L) B	1968-1979	4
Rabbit	1471CC (1.5L) FC/FG/XR/XS	1975	6	Type 2	1679CC (1.7L) CB	1972-1974	9
	Gas						
Rabbit	1471CC (1.5L) CK Diesel	1977-1980	6	Type 2	1795CC (1.8L) ED	1974-1975	9
Rabbit	1588CC (1.6L) FN	1976	6				
Rabbit	1588CC (1.6L) EE	1977	6	Type 2	1970CC (2.0L) BHP/GD/GE	1976-1979	9
Rabbit	1588CC (1.6L) EJ	1980	6				
Rabbit	1588CC (1.6L) CR Diesel	1981-1983	8	Type 3	1584CC (1.6L)	1966-1973	4
Rabbit	1588CC (1.6L) CY Turbo Diesel	1982-1984	8				
Rabbit	1588CC (1.6L) JK Diesel	1984	8	Type 4	1679CC (1.7L)	1971-1972	9
Rabbit	1715CC (1.7L) EN	1981-1984	5	Type 4	1795CC (1.8L) EC	1973-1974	9
Rabbit	1715CC (1.7L) JF	1982-1984	5	Vanagon	1588CC (1.6L) CS Diesel	1982-1984	8
Rabbit	1780CC (1.8L) JH SOHC	1983-1984	8				

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
035D	3.386in./86mm	13	035D	3.386in./86mm	12	391101	3.150in./80mm	6	A1456	3.150in./80mm	6

COUNTER DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	1192CC (1.2L) 30 B.H.P. 4 Cyl (1954-1965) 1192CC (1.2L) 34 B.H.P. 4 Cyl (1961-1965)			3.031in./77mm x 2.513in./64mm 3.031in./77mm x 2.513in./64mm				1
Rod Bearing(4)	TM-77	CB-780P	STD.,25mm.,50mm.,75mm,1.00mm	2.1640/2.1650	0.0010/0.0035	0.0550	2.2755/2.2760	0.6930
NOTE: 1192CC (1.2L) 30 B.H.P. (1961-1965),1192CC (1.2L) 34 B.H.P. (1961-1965)								
Main Bearing Set	AL-1	MS-822AL	STD.,25mm.,50mm					
1		MB-2391AL(F)		2.1642/2.1650	0.0015/0.0038	0.1963	2.5591/2.5598	1.0610
2		MB-2392P		2.1642/2.1650	0.0005/0.0028	0.1982	2.5591/2.5598	0.8660
3		MB-2393AL		2.1642/2.1650	0.0011/0.0036	0.1965	2.5591/2.5598	0.8660
4		MB-2394AL		1.5742/1.5748	0.0013/0.0033	0.1962	1.9685/1.9691	0.5910
NOTE: 1192CC (1.2L) 30 B.H.P. (1961-1965),1192CC (1.2L) 34 B.H.P. (1961-1965), Install Flanged Bearing In Number 1 Position, Flywheel End								
Cam Bearing Set	B-1	SH-735S	STD					
1		SH-133		0.9837/0.9843	0.0009/0.0031	0.0490	1.0827/1.0835	0.7840
2		SH-134		0.9837/0.9843	0.0009/0.0031	0.0490	1.0827/1.0835	0.9020
3		SH-135(L)		0.9837/0.9843	0.0009/0.0031	0.0490	1.0827/1.0835	1.1020
NOTE: 1192CC (1.2L) 34 B.H.P. (1965),1192CC (1.2L) 30 B.H.P. (1965), Left Half Of Number 3 Position Is Flanged								
Piston Pin Bushing(4)	C-1	223-3551	STD			0.1000	0.8661	0.9606
NOTE: Requires Light Reaming								
Connecting Rod	22 To 25 Lbs.Ft.							
Main Bearing	14 Lbs.Ft. (8mm Bolts)							
Main Bearing	18 To 25 Lbs.Ft. (12mm Bolts)							
2	1192CC (1.2L) 36 B.H.P. 4 Cyl (1954-1960)			3.031in./77mm x 2.513in./64mm				2
Rod Bearing(4)	TM-77	CB-780P	STD.,25mm.,50mm.,75mm,1.00mm	2.1640/2.1650	0.0010/0.0035	0.0550	2.2755/2.2760	0.6930

VOLKSWAGEN (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
2 (Cont.)	1192CC (1.2L) 36 B.H.P. 4 Cyl (1954-1960)			3.031in./77mm x 2.513in./64mm				2 (Cont.)
Main Bearing Set	AL-1	MS-822AL	STD.,.25mm,.50mm					
1		MB-2391AL(F)		2.1642/2.1650	0.0015/0.0038	0.1963	2.5591/2.5598	1.0610
2		MB-2392P		2.1642/2.1650	0.0005/0.0028	0.1982	2.5591/2.5598	0.8660
3		MB-2393AL		2.1642/2.1650	0.0011/0.0036	0.1965	2.5591/2.5598	0.8660
4		MB-2394AL		1.5742/1.5748	0.0013/0.0033	0.1962	1.9685/1.9691	0.5910
NOTE: Install Flanged Bearing In Number 1 Position, Flywheel End								
Piston Pin Bushing(4)	C-1	223-3551	STD			0.1000	0.8661	0.9606
NOTE: Requires Light Reaming								
3	1192CC (1.2L) 40 Horsepower 4 Cyl (1961-1964)			3.031in./77mm x 2.513in./64mm				3
Rod Bearing(4)	TM-77	CB-780P	STD.,.25mm,.50mm,.75mm,1.00mm	2.1640/2.1650	0.0010/0.0035	0.0550	2.2755/2.2760	0.6930
Main Bearing Set	AL-1	MS-822AL	STD.,.25mm,.50mm					
1		MB-2391AL(F)		2.1642/2.1650	0.0015/0.0038	0.1963	2.5591/2.5598	1.0610
2		MB-2392P		2.1642/2.1650	0.0005/0.0028	0.1982	2.5591/2.5598	0.8660
3		MB-2393AL		2.1642/2.1650	0.0011/0.0036	0.1965	2.5591/2.5598	0.8660
4		MB-2394AL		1.5742/1.5748	0.0013/0.0033	0.1962	1.9685/1.9691	0.5910
NOTE: Install Flanged Bearing In Number 1 Position, Flywheel End								
4	1285CC (1.3L) F 4 Cyl (1966) 1493CC (1.5L) H 4 Cyl (1967-1969) 1584CC (1.6L) 4 Cyl (1966-1979) 1584CC (1.6L) B 4 Cyl (1968-1979)			3.031in./77mm x 2.716in./69mm 3.268in./83mm x 2.716in./69mm 3.366in./85.5mm x 2.716in./69mm 3.366in./85.5mm x 2.716in./69mm				4
Rod Bearing(4)	TM-77	CB-780P	STD.,.25mm,.50mm,.75mm,1.00mm	2.1640/2.1650	0.0010/0.0035	0.0550	2.2755/2.2760	0.6930
Main Bearing Set	AL-1	MS-822AL	STD.,.25mm,.50mm					
1		MB-2391AL(F)		2.1642/2.1650	0.0015/0.0038	0.1963	2.5591/2.5598	1.0610
2		MB-2392P		2.1642/2.1650	0.0005/0.0028	0.1982	2.5591/2.5598	0.8660
3		MB-2393AL		2.1642/2.1650	0.0011/0.0036	0.1965	2.5591/2.5598	0.8660
4		MB-2394AL		1.5742/1.5748	0.0013/0.0033	0.1962	1.9685/1.9691	0.5910
NOTE: Install Flanged Bearing In Number 1 Position, Flywheel End								
Cam Bearing Set	B-1	SH-735S	STD					
1		SH-133		0.9837/0.9843	0.0009/0.0031	0.0490	1.0827/1.0835	0.7840
2		SH-134		0.9837/0.9843	0.0009/0.0031	0.0490	1.0827/1.0835	0.9020
3		SH-135(L)		0.9837/0.9843	0.0009/0.0031	0.0490	1.0827/1.0835	1.1020
NOTE: Left Half Of Number 3 Position Is Flanged								
Piston Pin Bushing(4)	C-1	223-3552	STD			0.0900	0.9437/0.9449	0.9213
NOTE: 1285CC (1.3L) F (1966),1493CC (1.5L) H (1967-1969),1584CC (1.6L) (1966-1978),1584CC (1.6L) B (1968-1978), Requires Light Reaming								
Connecting Rod	22 To 25 Lbs.Ft.							
Main Bearing	14 Lbs.Ft. (8mm Bolts)							
Main Bearing	18 To 25 Lbs.Ft. (12mm Bolts)							
5	1457CC (1.5L) EH/FX 4 Cyl (1978-1980) 1715CC (1.7L) EN 4 Cyl (1981-1984) 1715CC (1.7L) JF 4 Cyl (1982-1984) 1715CC (1.7L) WT 4 Cyl (1982-1983)			3.130in./79.5mm x 2.874in./73mm 3.130in./79.5mm x 3.386in./86mm 3.130in./79.5mm x 3.386in./86mm 3.130in./79.5mm x 3.386in./86mm				5
Rod Bearing(4)	TM-77	CB-1017P	STD.,.25mm,.50mm,.75mm	1.8087/1.8094	0.0016/0.0040	0.0593	1.9291/1.9298	0.7480
Main Bearing Set	AL-3	MS-1659P	STD.,.25mm,.50mm,.75mm					
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
3		MB-693AL(F)		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
NOTE: Undersize Sets Contain .10mm Oversize Length Flanged Bearing,Will Also Service Engines Equipped With Thrust Washers								
Main Bearing Set	AL-3	MS-2070P-.25mm	.50mm					
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
3		MB-3567P(F)		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
NOTE: All Sizes Contain Standard Length Flanged Bearing,Will Also Service Engines Equipped With Thrust Washers								
Aux. Shaft Bearing Set	B-1	SH-1209S	STD					
1		SH-1209		1.6913/1.6919	0.0011/0.0039	0.0590	1.8110/1.8120	0.5900
2		SH-1210		1.6519/1.6525	0.0011/0.0033	0.0590	1.7716/1.7726	0.5900

VOLKSWAGEN (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
5 (Cont.)	1457CC (1.5L) EH/FX 4 Cyl (1978-1980)				3.130in./79.5mm x 2.874in./73mm			5 (Cont.)
	1715CC (1.7L) EN 4 Cyl (1981-1984)				3.130in./79.5mm x 3.386in./86mm			
	1715CC (1.7L) JF 4 Cyl (1982-1984)				3.130in./79.5mm x 3.386in./86mm			
	1715CC (1.7L) WT 4 Cyl (1982-1983)				3.130in./79.5mm x 3.386in./86mm			
Connecting Rod		33 Lbs.Ft.						
Main Bearing		47 Lbs.Ft.						
6	1471CC (1.5L) CK Diesel 4 Cyl (1977-1980)				3.012in./76.5mm x 3.150in./80mm			6
	1471CC (1.5L) FC/FG/XR/XS Gas 4 Cyl (1974-1975)				3.012in./76.5mm x 3.150in./80mm			
	1471CC (1.5L) XV/XW/XY/XZ Gas 4 Cyl (1974)				3.012in./76.5mm x 3.150in./80mm			
	1588CC (1.6L) EE 4 Cyl (1977)				3.130in./79.5mm x 3.150in./80mm			
	1588CC (1.6L) EJ 4 Cyl (1979-1980)				3.130in./79.5mm x 3.150in./80mm			
	1588CC (1.6L) FN 4 Cyl (1976)				3.130in./79.5mm x 3.150in./80mm			
1588CC (1.6L) YG,YH,YK 4 Cyl (1976-1980)				3.130in./79.5mm x 3.150in./80mm				
Rod Bearing(4)	TM-77	CB-1017P	STD,.25mm,.50mm,.75mm	1.8087/1.8094	0.0016/0.0040	0.0593	1.9291/1.9298	0.7480
Main Bearing Set	AL-3	MS-1659P	STD,.25mm,.50mm,.75mm					
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
3		MB-693AL(F)		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
NOTE: Undersize Sets Contain .10mm Oversize Length Flanged Bearing,Will Also Service Engines Equipped With Thrust Washers								
Main Bearing Set	AL-3	MS-2070P-.25mm	.50mm					
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
3		MB-3567P(F)		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
NOTE: All Sizes Contain Standard Length Flanged Bearing,Will Also Service Engines Equipped With Thrust Washers								
Aux. Shaft Bearing Set	B-1	SH-1209S	STD					
1		SH-1209		1.6913/1.6919	0.0011/0.0039	0.0590	1.8110/1.8120	0.5900
2		SH-1210		1.6519/1.6525	0.0011/0.0033	0.0590	1.7716/1.7726	0.5900
Piston Pin Bushing(4)	C-1	223-3547	STD			0.1190	0.9843/0.9851	0.9843
NOTE: Requires Light Reaming								
C/S Forging	A1456, 391101							
Connecting Rod		33 Lbs.Ft.						
Main Bearing		47 Lbs.Ft.						
7	1493CC (1.5L) 50 B.H.P./HO 4 Cyl (1965-1967)				3.366in./85.5mm x 2.716in./69mm			7
Rod Bearing(4)	TM-77	CB-780P	STD,.25mm,.50mm,.75mm,1.00mm	2.1640/2.1650	0.0010/0.0035	0.0550	2.2755/2.2760	0.6930
Main Bearing Set	AL-1	MS-822AL	STD,.25mm,.50mm					
1		MB-2391AL(F)		2.1642/2.1650	0.0015/0.0038	0.1963	2.5591/2.5598	1.0610
2		MB-2392P		2.1642/2.1650	0.0005/0.0028	0.1982	2.5591/2.5598	0.8660
3		MB-2393AL		2.1642/2.1650	0.0011/0.0036	0.1965	2.5591/2.5598	0.8660
4		MB-2394AL		1.5742/1.5748	0.0013/0.0033	0.1962	1.9685/1.9691	0.5910
NOTE: Install Flanged Bearing In Number 1 Position, Flywheel End								
Cam Bearing Set	B-1	SH-735S	STD					
1		SH-133		0.9837/0.9843	0.0009/0.0031	0.0490	1.0827/1.0835	0.7840
2		SH-134		0.9837/0.9843	0.0009/0.0031	0.0490	1.0827/1.0835	0.9020
3		SH-135(L)		0.9837/0.9843	0.0009/0.0031	0.0490	1.0827/1.0835	1.1020
NOTE: Left Half Of Number 3 Position Is Flanged								
Connecting Rod		22 To 25 Lbs.Ft.						
Main Bearing		14 Lbs.Ft. (8mm Bolts)						
Main Bearing		18 To 25 Lbs.Ft. (12mm Bolts)						

VOLKSWAGEN (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
8	1588CC (1.6L) CR Diesel 4 Cyl (1981-1983)			3.012in./76.5mm x 3.386in./86mm				8
	1588CC (1.6L) CS,JK Diesel 4 Cyl (1982-1984)			3.012in./76.5mm x 3.386in./86mm				
	1588CC (1.6L) CY Turbo Turbocharged Diesel 4 Cyl (1982-1984)			3.130in./79.5mm x 3.150in./80mm				
	1588CC (1.6L) MD Turbo Turbocharged Diesel 4 Cyl (1985)			3.130in./79.5mm x 3.150in./80mm				
	1588CC (1.6L) ME Diesel 4 Cyl (1985)			3.130in./79.5mm x 3.150in./80mm				
	1588CC (1.6L) MF Turbo Turbocharged Diesel 4 Cyl (1985-1986)			3.130in./79.5mm x 3.150in./80mm				
	1588CC (1.6L) SOHC 8 Valve Turbocharged Diesel 4 Cyl (1992)			3.012in./76.5mm x 3.385in./86mm				
	1780CC (1.8L) 2H/ABG/HT/PF/PG/RD/RV/UM Supercharged 4 Cyl (1990-1992)			3.189in./81mm x 3.386in./86mm				
	1780CC (1.8L) JH SOHC 4 Cyl (1983-1989)			3.189in./81mm x 3.386in./86mm				
	1780CC (1.8L) JN 4 Cyl (1984-1989)			3.189in./81mm x 3.386in./86mm				
1780CC (1.8L) PL DOHC - 16 Valve 4 Cyl (1986-1989)			3.189in./81mm x 3.386in./86mm					
1984CC (2.0L) 9A DOHC 4 Cyl (1990-1994)			3.248in./82.5mm x 3.661in./93mm					
1984CC (2.0L) ABA SOHC 4 Cyl (1993-1999)			3.248in./82.5mm x 3.649in./92.7mm					
Rod Bearing(4)	TM-77	CB-1426P	STD, .25mm, .50mm	1.8802/1.8810	0.0009/0.0032	0.0553	1.9921/1.9929	0.7480
NOTE: Oil Hole In Bearing								
Main Bearing Set 1-2-4-5	AL-3	MS-1659P	STD, .25mm, .50mm, .75mm	2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
3		MB-692AL MB-693AL(F)		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
NOTE: Undersize Sets Contain .10mm Oversize Length Flanged Bearing, Will Also Service Engines Equipped With Thrust Washers								
Main Bearing Set 1-2-4-5	AL-3	MS-2070P-.25mm	.50mm	2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
3		MB-692AL MB-3567P(F)		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
NOTE: All Sizes Contain Standard Length Flanged Bearing, Will Also Service Engines Equipped With Thrust Washers								
Connecting Rod	22 Lbs.Ft. Plus 90 Degrees (1780CC (1.8L) PG, 1780CC (1.8L) JH SOHC, 1780CC (1.8L) JN, 1780CC (1.8L) PL DOHC - 16 Valve, 1984CC (2.0L) 9A DOHC, 1984CC (2.0L) ABA SOHC)							
Connecting Rod	33 Lbs.Ft. (1588CC (1.6L) CR, 1588CC (1.6L) CS, 1588CC (1.6L) CY Turbo, 1588CC (1.6L) MD Turbo, 1588CC (1.6L) ME, 1588CC (1.6L) MF Turbo, 1588CC (1.6L) SOHC 8 Valve)							
Main Bearing	47 Lbs.Ft. (1588CC (1.6L) CR, 1588CC (1.6L) CS, 1588CC (1.6L) CY Turbo, 1588CC (1.6L) MD Turbo, 1588CC (1.6L) ME, 1588CC (1.6L) MF Turbo, 1588CC (1.6L) SOHC 8 Valve)							
Main Bearing	50 Lbs.Ft. (1780CC (1.8L) PG, 1780CC (1.8L) JH SOHC, 1780CC (1.8L) JN, 1780CC (1.8L) PL DOHC - 16 Valve, 1984CC (2.0L) 9A DOHC, 1984CC (2.0L) ABA SOHC)							
9	1679CC (1.7L) 4 Cyl (1971-1973)			3.543in./90mm x 2.598in./66mm				9
	1679CC (1.7L) CB 4 Cyl (1972-1974)			3.543in./90mm x 2.598in./66mm				
	1795CC (1.8L) EC 4 Cyl (1974)			3.661in./93mm x 2.598in./66mm				
	1795CC (1.8L) ED 4 Cyl (1974-1975)			3.661in./93mm x 2.598in./66mm				
	1970CC (2.0L) BHP/GD/GE 4 Cyl (1976-1979)			3.701in./94mm x 2.795in./71mm				
Piston Pin Bushing(4)		223-3550	STD			0.1150		1.0100
10	1781CC (1.8L) AEB Turbocharged/Intercooled 4 Cyl (1998-2002)			3.189in./81mm x 3.402in./86.4mm				10
Rod Bearing(4)	TM-1	CB-1821P	STD, .25mm, .50mm	1.8802/1.8810	0.0008/0.0026	0.0554	1.9921/1.9926	0.7480
Main Bearing Set 1-2-3-5	AL-6	MS-2227AL	STD, .25mm, .50mm	2.1243/2.1251	0.0007/0.0030	0.0985	2.3228/2.3236	0.7283
4		MB-3792AL MB-3793AL		2.1243/2.1251	0.0008/0.0032	0.0985	2.3228/2.3236	0.7283
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-612S								
Thrust Washer Set		TW-612S	STD					
		MB-3794WU		2.3425		0.0778	2.8819	
		MB-3794WL		2.3425		0.0778	2.8819	
NOTE: Contains 4 Pieces, Use With Part Number MS-2227AL								
11	1896CC (1.9L) 1Z Turbocharged Diesel 4 Cyl (1996-1997)			3.130in./79.5mm x 3.759in./95.5mm				11
	1896CC (1.9L) AAZ Turbocharged Diesel 4 Cyl (1993-1997)			3.130in./79.5mm x 3.759in./95.5mm				
	1896CC (1.9L) AHH Turbocharged Diesel 4 Cyl (1998)			3.130in./79.5mm x 3.759in./95.5mm				
	1896CC (1.9L) AHU Turbocharged Diesel 4 Cyl (1997-1999)			3.130in./79.5mm x 3.759in./95.5mm				
	1896CC (1.9L) ALH Turbocharged Diesel 4 Cyl (1998-2002)			3.130in./79.5mm x 3.759in./95.5mm				
Rod Bearing(4)	TM-1	CB-1822P	STD, .25mm, .50mm	1.8802/1.8810	0.0008/0.0029	0.0554	1.9921/1.9929	0.7874
Main Bearing Set 1-2-3-5	AL-6	MS-2227AL	STD, .25mm, .50mm	2.1243/2.1251	0.0007/0.0030	0.0985	2.3228/2.3236	0.7283
4		MB-3792AL MB-3793AL		2.1243/2.1251	0.0008/0.0032	0.0985	2.3228/2.3236	0.7283
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-612S								

VOLKSWAGEN (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
11 (Cont.)	1896CC (1.9L) 1Z Turbocharged Diesel 4 Cyl (1996-1997)				3.130in./79.5mm x 3.759in./95.5mm			11 (Cont.)
	1896CC (1.9L) AAZ Turbocharged Diesel 4 Cyl (1993-1997)				3.130in./79.5mm x 3.759in./95.5mm			
	1896CC (1.9L) AHH Turbocharged Diesel 4 Cyl (1998)				3.130in./79.5mm x 3.759in./95.5mm			
	1896CC (1.9L) AHU Turbocharged Diesel 4 Cyl (1997-1999)				3.130in./79.5mm x 3.759in./95.5mm			
	1896CC (1.9L) ALH Turbocharged Diesel 4 Cyl (1998-2002)				3.130in./79.5mm x 3.759in./95.5mm			
Thrust Washer Set		TW-612S	STD					
		MB-3794WU		2.3425		0.0778	2.8819	
		MB-3794WL		2.3425		0.0778	2.8819	
NOTE: Contains 4 Pieces, Use With Part Number MS-2227AL								
5 CYL								
12	2144CC (2.2L) KM 5 Cyl (1984)				3.130in./79.5mm x 3.386in./86mm			12
	2226CC (2.2L) JT/KX 5 Cyl (1985-1988)				3.189in./81mm x 3.386in./86mm			
Rod Bearing(5)	TM-77	CB-1426P	STD,.25mm,.50mm	1.8802/1.8810	0.0009/0.0032	0.0553	1.9921/1.9929	0.7480
Main Bearing Set	TM-77	MS-1434P-.25mm						
1-2-4-5-6		MB-2661P		2.2818/2.2826	0.0012/0.0032	0.0985	2.4803/2.4810	0.7280
3		MB-2662P(F)		2.2818/2.2826	0.0012/0.0032	0.0985	2.4803/2.4810	0.9820
NOTE: Will Also Service Engines Equipped With Thrust Washers								
C/S Forging		035D						
Connecting Rod		22 Lbs.Ft. Plus 90 Degrees						
Main Bearing		47 Lbs.Ft.						
13	2144CC (2.2L) WE 5 Cyl (1983)				3.130in./79.5mm x 3.386in./86mm			13
Rod Bearing(5)	TM-77	CB-1017P	STD,.25mm,.50mm,.75mm	1.8087/1.8094	0.0016/0.0040	0.0593	1.9291/1.9298	0.7480
Main Bearing Set	TM-77	MS-1434P-.25mm						
1-2-4-5-6		MB-2661P		2.2818/2.2826	0.0012/0.0032	0.0985	2.4803/2.4810	0.7280
3		MB-2662P(F)		2.2818/2.2826	0.0012/0.0032	0.0985	2.4803/2.4810	0.9820
C/S Forging		035D						
Connecting Rod		36 Lbs.Ft.						
Main Bearing		47 Lbs.Ft.						
6 CYL								
14	2771CC (2.8L) AHA DOHC Audi V6 Cyl (1998-2000)				3.248in./82.5mm x 3.400in./86.4mm			14
Rod Bearing(6)	TM-1	CB-1823P	STD,.25mm	2.1243/2.1251	0.0008/0.0027	0.0711	2.2677/2.2682	0.6693
Main Bearing Set	TM-1	MS-2228P	STD					
1-2-3-4		MB-3795P		2.5574/2.5582	0.0008/0.0027	0.0987	2.7559/2.7567	0.7087
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-613S								
Thrust Washer Set		TW-613S	STD					
		MB-3796WU		2.7756		0.0774	3.3425	
		MB-3796WL		2.7756		0.0774	3.3425	
NOTE: Contains 4 Pieces, Use With Part Number MS-2228P								
15	2792CC (2.8L) AAA V6 Cyl (1992-1999)				3.189in./81mm x 3.555in./90.3mm			15
Rod Bearing(6)	AL-6	CB-1824AL	STD,.25mm	2.1243/2.1251	0.0008/0.0029	0.0554	2.2362/2.2370	0.6693
Main Bearing Set	AL-6	MS-2229AL	STD,.25mm					
1-2-3-4-5-6-7		MB-3797AL		2.3606/2.3613	0.0008/0.0030	0.0985	2.5591/2.5594	0.6693
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-614S								
Thrust Washer Set		TW-614S	STD					
		MB-3798WU		2.5768		0.0678	3.1496	
		MB-3798WL		2.5768		0.0678	3.1496	
NOTE: Contains 4 Pieces, Use With Part Number MS-2229AL								

VOLVO

ENGINE DATA

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				5 CYL (Cont.)			
109 CID/1780CC (1.8L) B18A	1962-1968	3.313in./84.1mmX3.150in./80mm	1	142 CID/2319CC (2.3L) B5234T3 DOHC 20 Valve Turbocharged/Intercooled	1995-2002	3.189in./81mmX3.543in./90mm	8
109 CID/1780CC (1.8L) B18B	1961-1968	3.313in./84.1mmX3.150in./80mm	1	149 CID/2435CC (2.4L) B5244S	1998-2002	3.268in./83mmX3.543in./90mm	8
109 CID/1780CC (1.8L) B18D	1962-1968	3.313in./84.1mmX3.150in./80mm	1	149 CID/2435CC (2.4L) B5244T DOHC 20 Valve Turbocharged/Intercooled	1998-2002	3.268in./83mmX3.543in./90mm	8
121 CID/1990CC (2.0L) B20B	1969-1971	3.500in./88.9mmX3.150in./80mm	1	149 CID/2435CC (2.4L) B5244T3	2001-2002	3.268in./83mmX3.543in./90mm	8
121 CID/1990CC (2.0L) B20E	1971	3.500in./88.9mmX3.150in./80mm	1	149 CID/2435CC (2.4L) B5254FS DOHC 20 Valve	1993-1997	3.268in./83mmX3.543in./90mm	8
121 CID/1990CC (2.0L) B20F	1970-1975	3.500in./88.9mmX3.150in./80mm	2	6 CYL			
130 CID/2127CC (2.1L) B21F	1976-1982	3.622in./92mmX3.150in./80mm	3	145 CID/2383CC (2.4L) D24 Volkswagen Diesel	1981-1985	3.012in./76.5mmX3.402in./86.4mm	9
130 CID/2127CC (2.1L) B21FT	1981-1985	3.622in./92mmX3.150in./80mm	3	145 CID/2383CC (2.4L) D24T Volkswagen Turbocharged Diesel	1983-1986	3.012in./76.5mmX3.402in./86.4mm	9
141 CID/2316CC (2.3L) B230F SOHC 8 Valve	1985-1995	3.780in./96mmX3.150in./80mm	4	163 CID/2664CC (2.7L) B27F	1976-1979	3.465in./88mmX2.874in./73mm	10
141 CID/2316CC (2.3L) B230FT SOHC Turbocharged/Intercooled	1985-1995	3.780in./96mmX3.150in./80mm	4	174 CID/2849CC (2.8L) B280F	1986	3.583in./91mmX2.874in./73mm	10
141 CID/2316CC (2.3L) B234F DOHC 16 Valve	1989-1992	3.780in./96mmX3.150in./80mm	5	174 CID/2849CC (2.8L) B28F	1980-1986	3.583in./91mmX2.874in./73mm	10
141 CID/2316CC (2.3L) B23F	1983-1984	3.780in./96mmX3.150in./80mm	6	178 CID/2922CC (2.9L) B6304FS DOHC 24 Valve	1992-1997	3.268in./83mmX3.543in./90mm	11
141 CID/2316CC (2.3L) B23FTi	1984	3.780in./96mmX3.150in./80mm	7	178 CID/2922CC (2.9L) B6304S DOHC 24 Valve	1992-1999	3.268in./83mmX3.543in./90mm	11
141 CID/2316CC (2.3L) B23E	1983	3.780in./96mmX3.150in./80mm	6	182 CID/2978CC (3.0L) B30A	1969-1971	3.504in./89mmX3.150in./80mm	12
142 CID/2319CC (2.3L) B5234T	1994-2002	3.189in./81mmX3.543in./90mm	8	182 CID/2978CC (3.0L) B30F	1972-1975	3.504in./89mmX3.150in./80mm	13
Turbocharged/Intercooled							

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
122S	109 CID/1780CC (1.8L) B18B	1961-1968	1	740	141 CID/2316CC (2.3L) B230F SOHC 8 Valve	1985-1992	4
122S	109 CID/1780CC (1.8L) B18D	1962-1968	1	740	141 CID/2316CC (2.3L) B230FT SOHC	1985-1992	4
142S	109 CID/1780CC (1.8L) B18B	1967-1968	1	740	141 CID/2316CC (2.3L) B234F DOHC 16 Valve	1989-1990	5
142S	121 CID/1990CC (2.0L) B20B	1969-1970	1	740	145 CID/2383CC (2.4L) D24T Volkswagen Diesel	1985-1986	9
142S	121 CID/1990CC (2.0L) B20E	1971	1	760	141 CID/2316CC (2.3L) B23FTi	1984	7
142S	121 CID/1990CC (2.0L) B20F	1970-1974	2	760	141 CID/2316CC (2.3L) B230F SOHC 8 Valve	1985-1986	4
144S	109 CID/1780CC (1.8L) B18B	1967-1968	1	760	141 CID/2316CC (2.3L) B230FT SOHC	1985-1990	4
144S	121 CID/1990CC (2.0L) B20B	1969-1971	1	760	145 CID/2383CC (2.4L) D24T Volkswagen Diesel	1983-1985	9
144S	121 CID/1990CC (2.0L) B20F	1970-1974	2	760	174 CID/2849CC (2.8L) B28F	1983-1986	10
145S	109 CID/1780CC (1.8L) B18B	1968	1	780	141 CID/2316CC (2.3L) B230FT SOHC	1986-1991	4
145S	121 CID/1990CC (2.0L) B20B	1969-1971	1	780	174 CID/2849CC (2.8L) B280F	1986-1991	10
145S	121 CID/1990CC (2.0L) B20F	1970-1974	2	850	142 CID/2319CC (2.3L) B5234T3 DOHC 20 Valve	1995-1997	8
164S	182 CID/2978CC (3.0L) B30A	1969-1971	12	850	142 CID/2319CC (2.3L) B5234T	1994-1996	8
164S	182 CID/2978CC (3.0L) B30F	1972-1975	13	850	149 CID/2435CC (2.4L) B5254FS DOHC 20 Valve	1993-1997	8
242	121 CID/1990CC (2.0L) B20F	1975	2	940	141 CID/2316CC (2.3L) B230F SOHC 8 Valve	1991-1995	4
242	130 CID/2127CC (2.1L) B21F	1976-1979	3				
244	121 CID/1990CC (2.0L) B20F	1975	2				
244	130 CID/2127CC (2.1L) B21F	1976-1979	3				
244	141 CID/2316CC (2.3L) B230F SOHC 8 Valve	1986-1993	4				
245	121 CID/1990CC (2.0L) B20F	1975	2				
245	130 CID/2127CC (2.1L) B21F	1976-1979	3				
245	141 CID/2316CC (2.3L) B230F SOHC 8 Valve	1986-1993	4				
262	163 CID/2664CC (2.7L) B27F	1976-1979	10				
264	163 CID/2664CC (2.7L) B27F	1976-1979	10				
265	163 CID/2664CC (2.7L) B27F	1976-1979	10				

VOLVO (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
940	141 CID/2316CC (2.3L) B230FT SOHC	1991-1995	4	GLT	130 CID/2127CC (2.1L) B21F	1981-1982	3
940	141 CID/2316CC (2.3L) B234F DOHC 16 Valve	1991-1992	5	GLT	130 CID/2127CC (2.1L) B21FT	1981-1982	3
960	178 CID/2922CC (2.9L) B6304FS DOHC 24 Valve	1992-1997	11	GLT	141 CID/2316CC (2.3L) B23E	1983	6
960	178 CID/2922CC (2.9L) B6304S DOHC 24 Valve	1992-1997	11	P110	109 CID/1780CC (1.8L) B18A	1962-1968	1
1800E	121 CID/1990CC (2.0L) B20B	1969-1970	1	P120	109 CID/1780CC (1.8L) B18A	1962-1968	1
1800E	121 CID/1990CC (2.0L) B20F	1970-1972	2	P130	109 CID/1780CC (1.8L) B18A	1962-1968	1
1800ES	121 CID/1990CC (2.0L) B20F	1970-1973	2	P140	109 CID/1780CC (1.8L) B18A	1962-1968	1
1800S	109 CID/1780CC (1.8L) B18B	1964-1968	1	P220	109 CID/1780CC (1.8L) B18A	1962-1968	1
C70	142 CID/2319CC (2.3L) B5234T3 DOHC 20 Valve	1998-1999	8	P1800	109 CID/1780CC (1.8L) B18B	1961-1963	1
C70	142 CID/2319CC (2.3L) B5234T	1998-2004	8	PV544	109 CID/1780CC (1.8L) B18A	1962-1966	1
C70	149 CID/2435CC (2.4L) B5244T DOHC 20 Valve	1999-2004	8	PV544	109 CID/1780CC (1.8L) B18D	1962-1966	1
C	174 CID/2849CC (2.8L) B28F	1980-1981	10	S60	142 CID/2319CC (2.3L) B5234T3 DOHC 20 Valve	2001-2004	8
DL	130 CID/2127CC (2.1L) B21F	1980-1982	3	S60	149 CID/2435CC (2.4L) B5244S	2001-2005	8
DL	141 CID/2316CC (2.3L) B23F	1983-1984	6	S60	149 CID/2435CC (2.4L) B5244T DOHC 20 Valve	2001-2003	8
DL	141 CID/2316CC (2.3L) B230F SOHC 8 Valve	1985	4	S70	149 CID/2435CC (2.4L) B5244T3 DOHC 20 Valve	2001-2003	8
DL	145 CID/2383CC (2.4L) D24 Volkswagen Diesel	1982	9	S70	142 CID/2319CC (2.3L) B5234T3 DOHC 20 Valve	1998-2000	8
Diesel	145 CID/2383CC (2.4L) D24 Volkswagen Diesel	1980-1981	9	S80	149 CID/2435CC (2.4L) B5244S DOHC 20 Valve	1998-2000	8
Diesel	145 CID/2383CC (2.4L) D24 Volkswagen Diesel	1980-1981	9	S90	178 CID/2922CC (2.9L) B6304S DOHC 24 Valve	1999-2004	11
GL	130 CID/2127CC (2.1L) B21F	1980-1982	3	Turbo	178 CID/2922CC (2.9L) B6304S DOHC 24 Valve	1997-1998	11
GL	141 CID/2316CC (2.3L) B23E	1983	6	V70	130 CID/2127CC (2.1L) B21FT	1983-1985	3
GL	141 CID/2316CC (2.3L) B23F	1983-1984	6	V70	142 CID/2319CC (2.3L) B5234T3 DOHC 20 Valve	1998-2004	8
GL	141 CID/2316CC (2.3L) B230F SOHC 8 Valve	1985	4	V70	149 CID/2435CC (2.4L) B5244S DOHC 20 Valve	1998-2005	8
GL	145 CID/2383CC (2.4L) D24 Volkswagen Diesel	1982-1985	9	V70	149 CID/2435CC (2.4L) B5244T DOHC 20 Valve	1998-2003	8
GLE	174 CID/2849CC (2.8L) B28F	1980-1982	10	V70	149 CID/2435CC (2.4L) B5244T3 DOHC 20 Valve	2001-2003	8
				V90	178 CID/2922CC (2.9L) B6304S DOHC 24 Valve	1997-1998	11

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block
C	3.150in./80mm	1	C	3.150in./80mm	2

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	109 CID/1780CC (1.8L) B18A,B18D 4 Cyl (1962-1968)			3.313in./84.1mm x 3.150in./80mm				1
	109 CID/1780CC (1.8L) B18B 4 Cyl (1961-1968)			3.313in./84.1mm x 3.150in./80mm				
	121 CID/1990CC (2.0L) B20B 4 Cyl (1969-1971)			3.500in./88.9mm x 3.150in./80mm				
	121 CID/1990CC (2.0L) B20E 4 Cyl (1971)			3.500in./88.9mm x 3.150in./80mm				
Rod Bearing(4)	TM-77	CB-734P	STD,10	2.1299/2.1303	0.0017/0.0036	0.0725	2.2765/2.2770	1.0620
Main Bearing Set 1-2-3-4	TM-77	MS-813P	STD,10,20	2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.1000
5		MB-2373P		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.5320
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing,.020" Undersize Set Contains .008" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-2089P-10	20	2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.1000
5		MB-2373P		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.5320
NOTE: All Sizes Contain Standard Length Flanged Bearing								
C/S Forging	C							

VOLVO (Cont.)

COUNTER DATA				SHOP DATA									
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length					
4 CYL (Cont.)													
1 (Cont.)	109 CID/1780CC (1.8L) B18A,B18D 4 Cyl (1962-1968)			3.313in./84.1mm x 3.150in./80mm				1 (Cont.)					
	109 CID/1780CC (1.8L) B18B 4 Cyl (1961-1968)			3.313in./84.1mm x 3.150in./80mm									
	121 CID/1990CC (2.0L) B20B 4 Cyl (1969-1971)			3.500in./88.9mm x 3.150in./80mm									
	121 CID/1990CC (2.0L) B20E 4 Cyl (1971)			3.500in./88.9mm x 3.150in./80mm									
Connecting Rod		38 To 42 Lbs.Ft.											
Main Bearing		87 To 94 Lbs.Ft.											
2	121 CID/1990CC (2.0L) B20F 4 Cyl (1970-1975)			3.500in./88.9mm x 3.150in./80mm				2					
Rod Bearing(4)	TM-77	CB-734P	STD,10	2.1299/2.1303	0.0017/0.0036	0.0725	2.2765/2.2770	1.0620					
NOTE: 1970-1972													
Rod Bearing(4)	TM-77	CB-1137P	STD,10,20,30	2.1255/2.1260	0.0015/0.0033	0.0783	2.2835/2.2840	0.9450					
NOTE: 1973-1975													
Main Bearing Set	TM-77	MS-813P	STD,10,20	2.4977/2.4982 2.4977/2.4982	0.0009/0.0034 0.0009/0.0034	0.0784 0.0784	2.6560/2.6570 2.6560/2.6570	1.1000 1.5320					
1-2-3-4		MB-2373P											
5		MB-2374P(F)											
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing,.020" Undersize Set Contains .008" Oversize Length Flanged Bearing													
Main Bearing Set	TM-77	MS-2089P-10	20	2.4977/2.4982 2.4977/2.4982	0.0009/0.0034 0.0009/0.0034	0.0784 0.0784	2.6560/2.6570 2.6560/2.6570	1.1000 1.5320					
1-2-3-4		MB-2373P											
5		MB-3585P(F)											
NOTE: All Sizes Contain Standard Length Flanged Bearing													
C/S Forging C													
Connecting Rod		38 To 42 Lbs.Ft.											
Main Bearing		87 To 94 Lbs.Ft.											
3	130 CID/2127CC (2.1L) B21F 4 Cyl (1976-1982)			3.622in./92mm x 3.150in./80mm				3					
	130 CID/2127CC (2.1L) B21FT Turbocharged/Intercooled 4 Cyl (1981-1985)			3.622in./92mm x 3.150in./80mm									
Rod Bearing(4)	TM-77	CB-1137P	STD,10,20,30	2.1255/2.1260	0.0015/0.0033	0.0783	2.2835/2.2840	0.9450					
Main Bearing Set	TM-77	MS-813P	STD,10,20	2.4977/2.4982 2.4977/2.4982	0.0009/0.0034 0.0009/0.0034	0.0784 0.0784	2.6560/2.6570 2.6560/2.6570	1.1000 1.5320					
1-2-3-4		MB-2373P											
5		MB-2374P(F)											
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing,.020" Undersize Set Contains .008" Oversize Length Flanged Bearing													
Main Bearing Set	TM-77	MS-2089P-10	20	2.4977/2.4982 2.4977/2.4982	0.0009/0.0034 0.0009/0.0034	0.0784 0.0784	2.6560/2.6570 2.6560/2.6570	1.1000 1.5320					
1-2-3-4		MB-2373P											
5		MB-3585P(F)											
NOTE: All Sizes Contain Standard Length Flanged Bearing													
Connecting Rod		38 To 42 Lbs.Ft. (130 CID/2127CC (2.1L) B21F)											
Connecting Rod		43 To 48 Lbs.Ft. (130 CID/2127CC (2.1L) B21FT)											
Main Bearing		85 To 90 Lbs.Ft. (130 CID/2127CC (2.1L) B21FT)											
Main Bearing		87 To 94 Lbs.Ft. (130 CID/2127CC (2.1L) B21F)											
4	141 CID/2316CC (2.3L) B230F SOHC 8 Valve 4 Cyl (1985-1995)			3.780in./96mm x 3.150in./80mm				4					
	141 CID/2316CC (2.3L) B230FT SOHC Turbocharged/Intercooled 4 Cyl (1985-1995)			3.780in./96mm x 3.150in./80mm									
Rod Bearing(4)	TM-77	CB-1302P	STD,.25mm	1.9285/1.9293	0.0010/0.0029	0.0587	2.0472/2.0478	0.9450					
Main Bearing Set	AL-3	MS-1610AL	STD	2.1648/2.1654	0.0017/0.0041	0.0780	2.3228/2.3236	0.8270					
1-2-3-4-5		MB-3353AL											
NOTE: 141 CID/2316CC (2.3L) B230FT SOHC (1985-1987),141 CID/2316CC (2.3L) B230F SOHC 8 Valve (1985-1987), Requires Thrust Washer Set, Not Included													
Connecting Rod		14 Lbs.Ft. Plus 90 Degrees											
Main Bearing		80 Lbs.Ft.											
5	141 CID/2316CC (2.3L) B234F DOHC 16 Valve 4 Cyl (1989-1992)			3.780in./96mm x 3.150in./80mm				5					
Rod Bearing(4)	TM-77	CB-1302P	STD,.25mm	1.9285/1.9293	0.0010/0.0029	0.0587	2.0472/2.0478	0.9450					
Connecting Rod 14 Lbs.Ft. Plus 90 Degrees Main Bearing 80 Lbs.Ft.													
6	141 CID/2316CC (2.3L) B23F 4 Cyl (1983-1984)			3.780in./96mm x 3.150in./80mm				6					
	141 CID/2316CC (2.3L) B23E 4 Cyl (1983)			3.780in./96mm x 3.150in./80mm									
Rod Bearing(4)	TM-77	CB-1137P	STD,10,20,30	2.1255/2.1260	0.0015/0.0033	0.0783	2.2835/2.2840	0.9450					

VOLVO (Cont.)

VOLVO (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
6 (Cont.)	141 CID/2316CC (2.3L) B23F 4 Cyl (1983-1984)			3.780in./96mm x 3.150in./80mm				6 (Cont.)
	141 CID/2316CC (2.3L) B23E 4 Cyl (1983)			3.780in./96mm x 3.150in./80mm				
Main Bearing Set 1-2-3-4 5	TM-77	MS-813P MB-2373P MB-2374P(F)	STD,10,20	2.4977/2.4982 2.4977/2.4982	0.0009/0.0034 0.0009/0.0034	0.0784 0.0784	2.6560/2.6570 2.6560/2.6570	1.1000 1.5320
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing,.020" Undersize Set Contains .008" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-2089P-10 MB-2373P MB-3585P(F)	20	2.4977/2.4982 2.4977/2.4982	0.0009/0.0034 0.0009/0.0034	0.0784 0.0784	2.6560/2.6570 2.6560/2.6570	1.1000 1.5320
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Aux. Shaft Bearing Set 1 2 3	AL-3	SH-1026S SH-1809 SH-1811 SH-1810	STD	1.8494/1.8504 1.6900/1.6909 1.6939/1.6949		0.0569 0.0580 0.0560	1.9651/1.9665 1.8076/1.8086 1.8076/1.8086	0.7150 0.5960 0.5960
Connecting Rod Main Bearing	38 To 42 Lbs.Ft. 87 To 94 Lbs.Ft.							
7	141 CID/2316CC (2.3L) B23FTi Turbocharged/Intercooled 4 Cyl (1984)			3.780in./96mm x 3.150in./80mm				7
Rod Bearing(4) NOTE: Turbocharged/Intercooled	TM-77	CB-1137P	STD,10,20,30	2.1255/2.1260	0.0015/0.0033	0.0783	2.2835/2.2840	0.9450
Main Bearing Set 1-2-3-4 5	TM-77	MS-813P MB-2373P MB-2374P(F)	STD,10,20	2.4977/2.4982 2.4977/2.4982	0.0009/0.0034 0.0009/0.0034	0.0784 0.0784	2.6560/2.6570 2.6560/2.6570	1.1000 1.5320
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing,.020" Undersize Set Contains .008" Oversize Length Flanged Bearing, Turbocharged/Intercooled								
Main Bearing Set 1-2-3-4-5 NOTE: Requires Thrust Washer Set, Not Included	AL-3	MS-1610AL MB-3353AL	STD	2.1648/2.1654	0.0017/0.0041	0.0780	2.3228/2.3236	0.8270
Main Bearing Set 1-2-3-4 5	TM-77	MS-2089P-10 MB-2373P MB-3585P(F)	20	2.4977/2.4982 2.4977/2.4982	0.0009/0.0034 0.0009/0.0034	0.0784 0.0784	2.6560/2.6570 2.6560/2.6570	1.1000 1.5320
NOTE: All Sizes Contain Standard Length Flanged Bearing, Turbocharged/Intercooled								
Aux. Shaft Bearing Set 1 2 3	AL-3	SH-1026S SH-1809 SH-1811 SH-1810	STD	1.8494/1.8504 1.6900/1.6909 1.6939/1.6949		0.0569 0.0580 0.0560	1.9651/1.9665 1.8076/1.8086 1.8076/1.8086	0.7150 0.5960 0.5960
NOTE: Turbocharged/Intercooled								
Connecting Rod Main Bearing	46 To 50 Lbs.Ft. 80 Lbs.Ft.							
5 CYL								
8	142 CID/2319CC (2.3L) B5234T Turbocharged/Intercooled 5 Cyl (1994-2002)			3.189in./81mm x 3.543in./90mm				8
	142 CID/2319CC (2.3L) B5234T3 DOHC 20 Valve Turbocharged/Intercooled 5 Cyl (1995-2002)			3.189in./81mm x 3.543in./90mm				
	149 CID/2435CC (2.4L) B5244S 5 Cyl (1998-2002)			3.268in./83mm x 3.543in./90mm				
	149 CID/2435CC (2.4L) B5244T DOHC 20 Valve Turbocharged/Intercooled 5 Cyl (1998-2002)			3.268in./83mm x 3.543in./90mm				
	149 CID/2435CC (2.4L) B5244T3 Turbocharged/Intercooled 5 Cyl (2001-2002)			3.268in./83mm x 3.543in./90mm				
	149 CID/2435CC (2.4L) B5254FS DOHC 20 Valve 5 Cyl (1993-1997)			3.268in./83mm x 3.543in./90mm				
Rod Bearing(5) NOTE: 142 CID/2319CC (2.3L) B5234T (1998-2002;1994-1996),142 CID/2319CC (2.3L) B5234T3 DOHC 20 Valve (1995-2002),149 CID/2435CC (2.4L)B5244S (1998-2002),149 CID/2435CC (2.4L)B5244T DOHC 20 Valve (1998-2002),149 CID/2435CC (2.4L)B5244T3 (2001-2002),149 CID/2435CC (2.4L)B5254FS DOHC 20 Valve (1993-1997)	TM-1	CB-1825P	STD,.25mm,.50mm	1.9679/1.9685	0.0008/0.0025	0.0589	2.0866/2.0871	0.7677

VOLVO (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
5 CYL (Cont.)								
8 (Cont.)	142 CID/2319CC (2.3L) B5234T Turbocharged/Intercooled 5 Cyl (1994-2002)			3.189in./81mm x 3.543in./90mm				8 (Cont.)
	142 CID/2319CC (2.3L) B5234T3 DOHC 20 Valve Turbocharged/Intercooled 5 Cyl (1995-2002)			3.189in./81mm x 3.543in./90mm				
	149 CID/2435CC (2.4L) B5244S 5 Cyl (1998-2002)			3.268in./83mm x 3.543in./90mm				
	149 CID/2435CC (2.4L) B5244T DOHC 20 Valve Turbocharged/Intercooled 5 Cyl (1998-2002)			3.268in./83mm x 3.543in./90mm				
	149 CID/2435CC (2.4L) B5244T3 Turbocharged/Intercooled 5 Cyl (2001-2002)			3.268in./83mm x 3.543in./90mm				
149 CID/2435CC (2.4L) B5254FS DOHC 20 Valve 5 Cyl (1993-1997)				3.268in./83mm x 3.543in./90mm				
Main Bearing Set	AL-6	MS-2230AL MB-3799AL MB-3800AL(F)	STD,.25mm	2.5585/2.5591 2.5585/2.5591	0.0008/0.0025 0.0008/0.0022	0.0785 0.0785	2.7165/2.7171 2.7165/2.7171	0.7717 1.0189
NOTE: 142 CID/2319CC (2.3L) B5234T (1998-2002;1994-1996),142 CID/2319CC (2.3L) B5234T3 DOHC 20 Valve (1995-2002),149 CID/2435CC (2.4L)B5244S (1998-2002),149 CID/2435CC (2.4L)B5244T DOHC 20 Valve (1998-2002),149 CID/2435CC (2.4L)B5244T3 (2001-2002),149 CID/2435CC (2.4L)B5254FS DOHC 20 Valve (1993-1997)								
6 CYL								
9	145 CID/2383CC (2.4L) D24 Volkswagen Diesel 6 Cyl (1981-1985)			3.012in./76.5mm x 3.402in./86.4mm				9
	145 CID/2383CC (2.4L) D24T Volkswagen Turbocharged Diesel 6 Cyl (1983-1986)			3.012in./76.5mm x 3.402in./86.4mm				
Rod Bearing(6)	TM-77	CB-1426P	STD,.25mm,.50mm	1.8802/1.8810	0.0009/0.0032	0.0553	1.9921/1.9929	0.7480
NOTE: Oil Hole In Bearing								
Main Bearing Set	TM-77	MS-1490P MB-2661P MB-2662P(F)	STD,.25mm,.50mm	2.2818/2.2826 2.2818/2.2826	0.0012/0.0032 0.0012/0.0032	0.0985 0.0985	2.4803/2.4810 2.4803/2.4810	0.7280 0.9820
Connecting Rod	35 Lbs.Ft.							
Main Bearing	48 Lbs.Ft.							
10	163 CID/2664CC (2.7L) B27F V6 Cyl (1976-1979)			3.465in./88mm x 2.874in./73mm				10
	174 CID/2849CC (2.8L) B280F V6 Cyl (1986)			3.583in./91mm x 2.874in./73mm				
	174 CID/2849CC (2.8L) B28F V6 Cyl (1980-1986)			3.583in./91mm x 2.874in./73mm				
Rod Bearing(6)	AL-3	CB-1186AL	STD	2.0577/2.0585	0.0012/0.0035	0.0724	2.2047/2.2055	0.6950
Main Bearing Set	AL-3	MS-1394AL MB-2700AL	STD	2.7576/2.7583	0.0008/0.0030	0.0772	2.9134/2.9141	0.9240
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-308S								
Thrust Washer Set		TW-308S MB-2700W(L) MB-2700W(U)	STD	2.9330/2.9429 2.9330/2.9429			3.5140/3.5240 3.5140/3.5240	0.0930 0.0930
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1394AL								
Connecting Rod	33 To 37 Lbs.Ft.							
Main Bearing	22 To 26 Lbs.Ft. Plus 75 Degrees							
11	178 CID/2922CC (2.9L) B6304FS DOHC 24 Valve 6 Cyl (1992-1997)			3.268in./83mm x 3.543in./90mm				11
	178 CID/2922CC (2.9L) B6304S DOHC 24 Valve 6 Cyl (1992-1999)			3.268in./83mm x 3.543in./90mm				
Rod Bearing(6)	TM-1	CB-1825P	STD,.25mm,.50mm	1.9679/1.9685	0.0008/0.0025	0.0589	2.0866/2.0871	0.7677
Main Bearing Set	AL-6	MS-2231AL MB-3801AL MB-3802AL(F)	STD	2.5585/2.5591 2.5585/2.5591	0.0008/0.0025 0.0008/0.0022	0.0785 0.0785	2.7165/2.7171 2.7165/2.7171	0.7717 1.0189
12	182 CID/2978CC (3.0L) B30A 6 Cyl (1969-1971)			3.504in./89mm x 3.150in./80mm				12
Rod Bearing(6)	TM-77	CB-734P	STD,10	2.1299/2.1303	0.0017/0.0036	0.0725	2.2765/2.2770	1.0620
Main Bearing Set	TM-77	MS-2090P-10 MB2373P MB-3585P(F)	20	2.4977/2.4982 2.4977/2.4982	0.0009/0.0034 0.0009/0.0034	0.0784 0.0784	2.6560/2.6570 2.6560/2.6570	1.1000 1.5320
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Connecting Rod	38 To 42 Lbs.Ft.							
Main Bearing	87 To 94 Lbs.Ft.							
13	182 CID/2978CC (3.0L) B30F 6 Cyl (1972-1975)			3.504in./89mm x 3.150in./80mm				13
Rod Bearing(6)	TM-77	CB-734P	STD,10	2.1299/2.1303	0.0017/0.0036	0.0725	2.2765/2.2770	1.0620
NOTE: 1972								
Rod Bearing(6)	TM-77	CB-1137P	STD,10,20,30	2.1255/2.1260	0.0015/0.0033	0.0783	2.2835/2.2840	0.9450
NOTE: 1973-1975								

VOLVO (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
13 (Cont.)	182 CID/2978CC (3.0L) B30F 6 Cyl (1972-1975)			3.504in./89mm x 3.150in./80mm				13 (Cont.)
Main Bearing Set	TM-77	MS-2090P-10	20					
1-2-3-4-5-6		MB2373P		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.1000
7		MB-3585P(F)		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.5320
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Connecting Rod	38 To 42 Lbs.Ft.							
Main Bearing	87 To 94 Lbs.Ft.							

WAUKESHA

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL			6 CYL (Cont.)		
160 121 CID (2.0L)	3.313in./84.2mmX3.500in./88.9mm	1	6NKR 1905 CID (31.2L)	7.000in./177.8mmX8.250in./209.6mm	19
180DAB 129 CID (2.1L) Diesel	3.313in./84.2mmX3.750in./95.3mm	2	6NKR 1905 CID (31.2L)	7.000in./177.8mmX8.250in./209.6mm	19
180DAC 129 CID (2.1L) Diesel	3.313in./84.2mmX3.750in./95.3mm	2	6WAK 1196 CID (19.6L) Flex	6.250in./158.8mmX6.500in./165.1mm	17
180DKB 155 CID (2.5L) Diesel	3.625in./92.1mmX3.750in./95.3mm	2	6WAKB 1196 CID (19.6L) Flex	6.250in./158.8mmX6.500in./165.1mm	17
180DL 129 CID (2.1L) Diesel	3.313in./84.2mmX3.750in./95.3mm	2	6WAKC 1196 CID (19.6L)	6.250in./158.8mmX6.500in./165.1mm	17
180DLB 129 CID (2.1L) Diesel	3.313in./84.2mmX3.750in./95.3mm	2	6WAKD 1196 CID (19.6L) Flex	6.250in./158.8mmX6.500in./165.1mm	17
180DLC 144 CID (2.4L) Diesel	3.500in./88.9mmX3.750in./95.3mm	2	6WAKDB 1196 CID (19.6L)	6.250in./158.8mmX6.500in./165.1mm	17
180DLCU 144 CID (2.4L) Diesel	3.500in./88.9mmX3.750in./95.3mm	2	6WAKDBS 1196 CID (19.6L)	6.250in./158.8mmX6.500in./165.1mm	17
180DSB 129 CID (2.1L) Diesel	3.313in./84.2mmX3.750in./95.3mm	2	6WAKDM 1196 CID (19.6L) Flex	6.250in./158.8mmX6.500in./165.1mm	18
180GA 129 CID (2.1L) Diesel	3.313in./84.2mmX3.750in./95.3mm	2	6WAKDS 1196 CID (19.6L)	6.250in./158.8mmX6.500in./165.1mm	17
180GB 129 CID (2.1L)	3.313in./84.2mmX3.750in./95.3mm	2	6WAKH 1196 CID (19.6L) F Oil	6.250in./158.8mmX6.500in./165.1mm	17
180GK 129 CID (2.1L)	3.313in./84.2mmX3.750in./95.3mm	2	6WAKM 1196 CID (19.6L)	6.250in./158.8mmX6.500in./165.1mm	17
180GKB 155 CID (2.5L) Flex	3.625in./92.1mmX3.750in./95.3mm	2	6WAKR 1196 CID (19.6L) Flex	6.250in./158.8mmX6.500in./165.1mm	18
180GKBC 155 CID (2.5L)	3.625in./92.1mmX3.750in./95.3mm	2	6WAL 1013 CID (16.6L)	5.750in./146.1mmX6.500in./165.1mm	17
180GKB 155 CID (2.5L)	3.625in./92.1mmX3.750in./95.3mm	2	6WALH 1013 CID (16.6L)	5.750in./146.1mmX6.500in./165.1mm	17
180GL 125 CID (2.0L)	3.500in./88.9mmX3.250in./82.6mm	2	135DK 426 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	14
180GLB 144 CID (2.4L) Flex	3.500in./88.9mmX3.750in./95.3mm	2	135DKB 426 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	14
180GLC 144 CID (2.4L)	3.500in./88.9mmX3.750in./95.3mm	2	135DKBS 426 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	14
180GS 129 CID (2.1L)	3.313in./84.2mmX3.750in./95.3mm	2	135DKBSU 426 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	14
180KL 129 CID (2.1L) Diesel	3.313in./84.2mmX3.750in./95.3mm	2	135DKS 426 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	14
180SB 129 CID (2.1L)	3.313in./84.2mmX3.750in./95.3mm	2	135DKSU 426 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	14
D155 155 CID (2.5L) Diesel	3.625in./92.1mmX3.750in./95.3mm	4	135DKU 426 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	14
D155D 155 CID (2.5L) Diesel	3.625in./92.1mmX3.750in./95.3mm	4	135GK 426 CID (7.0L)	4.250in./108mmX5.000in./127mm	14
D155G 155 CID (2.5L)	3.625in./92.1mmX3.750in./95.3mm	4	135GKB 426 CID (7.0L) Flex	4.250in./108mmX5.000in./127mm	14
D155GA 155 CID (2.5L)	3.625in./92.1mmX3.750in./95.3mm	4	135GZ 451 CID (7.4L)	4.375in./111.1mmX5.000in./127mm	14
D176 155 CID (2.5L) Diesel	3.625in./92.1mmX3.750in./95.3mm	4	135GZB 451 CID (7.4L) Flex	4.375in./111.1mmX5.000in./127mm	14
D176G 155 CID (2.5L)	3.625in./92.1mmX3.750in./95.3mm	4	135GZU 451 CID (7.4L)	4.375in./111.1mmX5.000in./127mm	14
FC 133 CID (2.2L) Flex	3.250in./82.6mmX4.000in./101.6mm	3	140GK 525 CID (8.6L)	4.500in./114.3mmX5.500in./139.7mm	15
FK 133 CID (2.2L)	3.250in./82.6mmX4.000in./101.6mm	3	140GKB 525 CID (8.6L) Flex	4.500in./114.3mmX5.500in./139.7mm	15
FK 133 CID (2.2L) Kero	3.250in./82.6mmX4.000in./101.6mm	3	140GS 525 CID (8.6L)	4.500in./114.3mmX5.500in./139.7mm	15
FKJ 133 CID (2.2L)	3.250in./82.6mmX4.000in./101.6mm	3	140GZ 554 CID (9.1L)	4.625in./117.5mmX5.500in./139.7mm	15
FKJ 133 CID (2.2L) Kero	3.250in./82.6mmX4.000in./101.6mm	3	140GZB 554 CID (9.1L) Flex	4.625in./117.5mmX5.500in./139.7mm	15
FM 133 CID (2.2L)	3.250in./82.6mmX4.000in./101.6mm	3	140GZC 554 CID (9.1L)	4.625in./117.5mmX5.500in./139.7mm	15
FM 133 CID (2.2L) Kero	3.250in./82.6mmX4.000in./101.6mm	3	140GZU 554 CID (9.1L)	4.625in./117.5mmX5.500in./139.7mm	15
G155 155 CID (2.5L)	3.625in./92.1mmX3.750in./95.3mm	4	140HK 525 CID (8.6L) F Oil	4.500in./114.3mmX5.500in./139.7mm	15
G176 155 CID (2.5L)	3.625in./92.1mmX3.750in./95.3mm	4	140HL 468 CID (7.6L)	4.250in./108mmX5.500in./139.7mm	15
VRD155 155 CID (2.5L) Diesel	3.625in./92.1mmX3.750in./95.3mm	2	140HS 468 CID (7.6L)	4.250in./108mmX5.500in./139.7mm	15
VRD220 3560CC (3.6L) Diesel	3.858in./98mmX4.646in./118mm	5	145GK 779 CID (12.8L)	5.250in./133.4mmX6.000in./152.4mm	16
VRD220S 3560CC (3.6L) Diesel	3.858in./98mmX4.646in./118mm	5	145GKB 779 CID (12.8L) Flex	5.250in./133.4mmX6.000in./152.4mm	16
Turbocharged			145GKU 779 CID (12.8L)	5.250in./133.4mmX6.000in./152.4mm	16
VRG155 155 CID (2.5L)	3.625in./92.1mmX3.750in./95.3mm	2	145GS 638 CID (10.5L)	4.750in./120.7mmX6.000in./152.4mm	16
VRG176 155 CID (2.5L)	3.625in./92.1mmX3.750in./95.3mm	4	145GZ 817 CID (13.4L)	5.375in./136.5mmX6.000in./152.4mm	16
VRG220 220 CID (3.6L)	3.875in./98.4mmX4.646in./118mm	5	145GZB 817 CID (13.4L) Flex	5.375in./136.5mmX6.000in./152.4mm	16
			145GZU 817 CID (13.4L)	5.375in./136.5mmX6.000in./152.4mm	16
6 CYL			145HK 779 CID (12.8L) F Oil	5.250in./133.4mmX6.000in./152.4mm	16
6NKB 1905 CID (31.2L)	7.000in./177.8mmX8.250in./209.6mm	19	145HS 638 CID (10.5L) F Oil	4.750in./120.7mmX6.000in./152.4mm	16
6NKD 1905 CID (31.2L) Diesel	7.000in./177.8mmX8.250in./209.6mm	19	185DAB 194 CID (3.2L)	3.313in./84.2mmX3.750in./95.3mm	6
6NKDB 1905 CID (31.2L)	7.000in./177.8mmX8.250in./209.6mm	19	185DAC 194 CID (3.2L) Diesel	3.313in./84.2mmX3.750in./95.3mm	6
6NKDBS 1905 CID (31.2L)	7.000in./177.8mmX8.250in./209.6mm	19	185DLB 194 CID (3.2L)	3.313in./84.2mmX3.750in./95.3mm	6
6NKDS 1905 CID (31.2L) Diesel	7.000in./177.8mmX8.250in./209.6mm	19	185DLC 216 CID (3.5L) Diesel	3.500in./88.9mmX3.750in./95.3mm	6

WAUKESHA (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
185DLCU 216 CID (3.5L) Diesel	3.500in./88.9mmX3.750in./95.3mm	6	F1905DU 1905 CID (31.2L)	7.000in./177.8mmX8.250in./209.6mm	19
185DSB 194 CID (3.2L) Diesel	3.313in./84.2mmX3.750in./95.3mm	6	F1905G 1905 CID (31.2L)	7.000in./177.8mmX8.250in./209.6mm	19
185DY 194 CID (3.2L) Diesel	3.313in./84.2mmX3.750in./95.3mm	6	F1905GR 1905 CID (31.2L)	7.000in./177.8mmX8.250in./209.6mm	19
185GA 194 CID (3.2L)	3.313in./84.2mmX3.750in./95.3mm	6	F2895D 2894 CID (47.5L) Diesel	8.500in./215.9mmX8.500in./215.9mm	20
185GB 194 CID (3.2L)	3.313in./84.2mmX3.750in./95.3mm	6	F2895G 2894 CID (47.5L) CNG	8.500in./215.9mmX8.500in./215.9mm	21
185KL 216 CID (3.5L)	3.500in./88.9mmX3.750in./95.3mm	6	F3521G 3520 CID (57.7L) Turbocharged	9.375in./238.1mmX8.500in./215.9mm	20
185GLB 216 CID (3.5L)	3.500in./88.9mmX3.750in./95.3mm	6	V 501 CID (8.2L)	4.500in./114.3mmX5.250in./133.4mm	16
185GM 216 CID (3.5L)	3.500in./88.9mmX3.750in./95.3mm	6	VRD232 232 CID (3.8L) Diesel	3.625in./92.1mmX3.750in./95.3mm	6
185GS 216 CID (3.5L)	3.500in./88.9mmX3.750in./95.3mm	6	VRD283 283 CID (4.6L) Diesel	3.875in./98.4mmX4.000in./101.6mm	10
185KL 216 CID (3.5L)	3.500in./88.9mmX3.750in./95.3mm	6	VRG310 310 CID (5.1L) Diesel	3.875in./98.4mmX4.375in./111.1mm	10
190DKB 265 CID (4.3L) Diesel	3.750in./95.3mmX4.000in./101.6mm	7	VRD310S 310 CID (5.1L) Diesel	3.875in./98.4mmX4.375in./111.1mm	10
190DLA 265 CID (4.3L) Diesel	3.750in./95.3mmX4.000in./101.6mm	8	Turbocharged		
190DLB 265 CID (4.3L) Diesel	3.750in./95.3mmX4.000in./101.6mm	7	VRD330 5340CC (5.3L) Diesel	3.875in./98.4mmX4.646in./118mm	13
190DLC 265 CID (4.3L) F Oil	3.750in./95.3mmX4.000in./101.6mm	9	VRD330S 5340CC (5.3L) Diesel	3.875in./98.4mmX4.646in./118mm	13
190DLCA 265 CID (4.3L) F Oil	3.750in./95.3mmX4.000in./101.6mm	7	Turbocharged		
190DLCR 265 CID (4.3L)	4.000in./101.6mmX3.750in./95.3mm	9	VRG232 232 CID (3.8L)	3.625in./92.1mmX3.750in./95.3mm	6
190DLCU 265 CID (4.3L)	4.000in./101.6mmX3.750in./95.3mm	9	VRG265 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	8
190DLK 265 CID (4.3L) F Oil	3.750in./95.3mmX4.000in./101.6mm	7	VRG265 265 CID (4.3L) LPG	3.750in./95.3mmX4.000in./101.6mm	8
190DSB 265 CID (4.3L) Diesel	3.750in./95.3mmX4.000in./101.6mm	8	VRG283 283 CID (4.6L)	3.875in./98.4mmX4.000in./101.6mm	10
190GK 302 CID (5.0L)	4.000in./101.6mmX4.000in./101.6mm	8	VRG283 283 CID (4.6L) LPG	3.875in./98.4mmX4.000in./101.6mm	10
190GL 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	8	VRG310 310 CID (5.1L)	3.875in./98.4mmX4.375in./111.1mm	10
190GLB 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	7	VRG330 330 CID (5.4L) CNG	3.875in./98.4mmX4.646in./118mm	13
190GLB 265 CID (4.3L) Flex	3.750in./95.3mmX4.000in./101.6mm	7			
190GLBU 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	7			
190GLC 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	8	12 CYL		
190GS 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	8	L5100D 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
190KL 265 CID (4.3L) Kero	3.750in./95.25mmX4.000in./101.6mm	8	L5100G 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
195DLC 302 CID (5.0L) Diesel	4.000in./101.6mmX4.000in./101.6mm	9	L5108D 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
195DLCA 302 CID (5.0L)	4.000in./101.6mmX4.000in./101.6mm	11	L5108G 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
195DLCU 302 CID (5.0L)	4.000in./101.6mmX4.000in./101.6mm	9	L5788D 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
195GK 320 CID (5.2L)	4.125in./104.8mmX4.000in./101.6mm	11	L5788DS 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
195GKA 320 CID (5.2L)	4.125in./104.8mmX4.000in./101.6mm	9	L5788DU 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
195GKU 320 CID (5.2L)	4.125in./104.8mmX4.000in./101.6mm	11	L5788G 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
195GL 302 CID (5.0L)	4.000in./101.6mmX4.000in./101.6mm	11	L5788GR 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
197DLC 302 CID (5.0L) Diesel	4.000in./101.6mmX4.000in./101.6mm	12	L5790D 5788 CID (94.9L) Diesel	8.500in./215.9mmX8.500in./215.9mm	23
197DLCA 302 CID (5.0L) Diesel	4.000in./101.6mmX4.000in./101.6mm	12	L5790G 5788 CID (94.9L) CNG	8.500in./215.9mmX8.500in./215.9mm	24
197DLCS 302 CID (5.0L) Diesel	4.000in./101.6mmX4.000in./101.6mm	12	L7042G 7042 CID (115.4L)	9.375in./238.1mmX8.500in./215.9mm	25
F232G 232 CID (3.8L)	3.625in./92.1mmX3.750in./95.3mm	6	VLR 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
F265G 265 CID (4.3L) Kero	3.750in./95.3mmX4.000in./101.6mm	8	VLRD 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
F265G 265 CID (4.3L) LPG	3.750in./95.3mmX4.000in./101.6mm	8	VLRDB 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
F283G 283 CID (4.6L)	3.875in./98.4mmX4.000in./101.6mm	10	VLRDBS 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
F310G 310 CID (5.1L)	3.875in./98.4mmX4.375in./111.1mm	10	VLRDS 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
F310G 310 CID (5.1L) LPG	3.875in./98.4mmX4.375in./111.1mm	10	VLRO 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
F320G 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	9	VLROB 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
F320LP 265 CID (4.3L)	4.000in./101.6mmX3.750in./95.3mm	9	VLRBU 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
F554G 554 CID (9.1L)	4.625in./117.5mmX5.500in./139.7mm	15	VLROR 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
F817G 817 CID (13.4L)	5.375in./136.5mmX6.000in./152.4mm	16			
F1197G 1196 CID (19.6L)	6.250in./158.8mmX6.500in./165.1mm	17			
F1197GR 1196 CID (19.6L)	6.250in./158.8mmX6.500in./165.1mm	17			
F1905D 1905 CID (31.2L)	7.000in./177.8mmX8.250in./209.6mm	19			
F1905DS 1905 CID (31.2L)	7.000in./177.8mmX8.250in./209.6mm	19			

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
20007	8.500in./215.9mm	22	135007-A	5.000in./127mm	14	182111	3.750in./95.3mm	2	220207		4
33738	4.000in./101.6mm	3	140107	5.500in./139.7mm	15	187111	3.750in./95.3mm	2	A	5.000in./127mm	14
68007	4.000in./101.6mm	3	160007-C	3.500in./88.9mm	1	190107	4.000in./101.6mm	8	BD-25A	4.000in./101.6mm	3
97007-B	8.250in./209.6mm	19	180000-C	3.750in./95.3mm	6	190107	4.000in./101.6mm	11	BD-25C	4.000in./101.6mm	3
123007	6.500in./165.1mm	17	180007	3.750in./95.3mm	2	190307	4.000in./101.6mm	11			
125107	6.500in./165.1mm	17	180007-B	3.750in./95.3mm	6	200007	8.500in./215.9mm	22			
135007	5.000in./127mm	14	180007-C	3.750in./95.3mm	2	220207	3.750in./95.3mm	4			

WAUKESHA (Cont.)

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
24504	4.000in./101.6mm	3	140111-J	5.500in./139.7mm	15	190111	4.000in./101.6mm	8	195311	4.000in./101.6mm	9
97011-B	8.250in./209.6mm	19	140311	5.500in./139.7mm	15	190111	4.000in./101.6mm	11	195311	3.750in./95.3mm	9
97011-C	8.250in./209.6mm	19	160211	3.500in./88.9mm	1	190211	4.000in./101.6mm	8	195311	4.000in./101.6mm	7
123011G	6.500in./165.1mm	17	181211	3.750in./95.3mm	2	190211	4.000in./101.6mm	11	195311	4.000in./101.6mm	11
123011GSA	6.500in./165.1mm	17	181411	3.750in./95.3mm	2	191211	4.000in./101.6mm	8	0200011	8.500in./215.9mm	22
123011T	6.500in./165.1mm	17	181411-A	3.750in./95.3mm	2	191311	4.000in./101.6mm	8	01355011D	5.000in./127mm	14
123011U	6.500in./165.1mm	17	182111	3.750in./95.3mm	2	191311	4.000in./101.6mm	11	BB-14K	4.000in./101.6mm	3
125211-A	6.500in./165.1mm	17	185111	3.750in./95.3mm	6	192211B	4.000in./101.6mm	9	BD-14-A	4.000in./101.6mm	3
125211-D	6.500in./165.1mm	17	186211	3.750in./95.3mm	6	192211B	3.750in./95.3mm	9	BD-14-K	4.000in./101.6mm	3
135011	5.000in./127mm	14	186211-A	3.750in./95.3mm	6	192211B	4.000in./101.6mm	7	K-24504	4.000in./101.6mm	3
140111-B	5.500in./139.7mm	15	186311	3.750in./95.3mm	6	192211B	4.000in./101.6mm	11			
140111-C	5.500in./139.7mm	15	187111	3.750in./95.3mm	2	195111	4.000in./101.6mm	11			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	121 CID (2.0L) 160 4 Cyl			3.313in./84.2mm x 3.500in./88.9mm				1
Rod Bearing(4)	TM-112	CB-446P	STD,10,20	1.9990/2.0000	0.0005/0.0030	0.0617	2.1235/2.1240	1.1190
Cam Bearing Set 1	B-1	SH-330S SH-330	STD	1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
Rod Forging	160007-C							
C/S Forging	160211							
Connecting Rod	46 To 50 Lbs.Ft.							
Main Bearing	87 To 92 Lbs.Ft.							
2	125 CID (2.0L) 180GL 4 Cyl			3.500in./88.9mm x 3.250in./82.6mm				2
	129 CID (2.1L) 180DAB,180DAC,180DLB,180DL,180DSB,180GA,180KL Diesel 4 Cyl			3.313in./84.2mm x 3.750in./95.3mm				
	129 CID (2.1L) 180GB,180GK,180GS,180SB 4 Cyl			3.313in./84.2mm x 3.750in./95.3mm				
	144 CID (2.4L) 180DLC,180DLCU Diesel 4 Cyl			3.500in./88.9mm x 3.750in./95.3mm				
	144 CID (2.4L) 180GLB Flex 4 Cyl			3.500in./88.9mm x 3.750in./95.3mm				
	144 CID (2.4L) 180GLC 4 Cyl			3.500in./88.9mm x 3.750in./95.3mm				
	155 CID (2.5L) 180DKB,VRD155 Diesel 4 Cyl			3.625in./92.1mm x 3.750in./95.3mm				
	155 CID (2.5L) 180GKBC,180GKB,VRG155 4 Cyl			3.625in./92.1mm x 3.750in./95.3mm				
Rod Bearing(4)	TM-112	CB-446P	STD,10,20	1.9990/2.0000	0.0005/0.0030	0.0617	2.1235/2.1240	1.1190
NOTE: Engines With 2.000" Crankpins								
Rod Bearing(4)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560
NOTE: Engines With 2.250" Crankpins								
Main Bearing Set 1-3	TM-112	MS-405P MB-1629P	STD,10,20,30	2.2490/2.2500	0.0002/0.0032	0.0854	2.4210/2.4220	1.3800
2		MB-1786P(F)		2.2290/2.2300	0.0002/0.0032	0.0854	2.4210/2.4220	1.6230
Cam Bearing Set 1	B-1	SH-330S SH-330	STD	1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
Piston Pin Bushing(4)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570
NOTE: 2 Per Rod,Requires Boring								
Rod Forging	180007, 182111, 187111, 180007-C							
C/S Forging	181211, 181411, 182111, 187111, 181411-A							
Connecting Rod	46 To 50 Lbs.Ft.							
Main Bearing	87 To 92 Lbs.Ft.							
3	133 CID (2.2L) FC Flex 4 Cyl			3.250in./82.6mm x 4.000in./101.6mm				3
	133 CID (2.2L) FK,FKJ,FM 4 Cyl			3.250in./82.6mm x 4.000in./101.6mm				
	133 CID (2.2L) FKJ,FK,FM Kero 4 Cyl			3.250in./82.6mm x 4.000in./101.6mm				
Piston Pin Bushing(4)	B	223-3432	STD			0.0330	0.9265/0.9285	1.1975
NOTE: Requires Light Reaming								
Rod Forging	33738, 68007, BD-25A, BD-25C							
C/S Forging	24504, BB-14K, BD-14-A, BD-14-K, K-24504							
Connecting Rod	44 To 45 Lbs.Ft.							
Main Bearing	87 To 92 Lbs.Ft.							

WAUKESHA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
4	155 CID (2.5L) D155D,D155,D176 Diesel 4 Cyl 155 CID (2.5L) D155G,D155GA,D176G,G155,G176 4 Cyl 155 CID (2.5L) VRG176 4 Cyl				3.625in./92.1mm x 3.750in./95.3mm 3.625in./92.1mm x 3.750in./95.3mm 3.625in./92.1mm x			4
Rod Bearing(4)	TM-112	CB-446P	STD,10,20	1.9990/2.0000	0.0005/0.0030	0.0617	2.1235/2.1240	1.1190
NOTE: Engines With 2.000" Crankpins								
Rod Bearing(4)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560
NOTE: Engines With 2.250" Crankpins								
Rod Bearing(4)	TM-112	CB-1239P	STD,10,20,30,40	1.7490/1.7500	0.0010/0.0035	0.0525	1.8555/1.8560	1.0200
NOTE: Engines With 1.750" Crankpins								
Main Bearing Set	TM-112	MS-1423P	STD,10,20,30					
1-3		MB-2610P		2.2490/2.2500	0.0005/0.0035	0.0854	2.4210/2.4220	1.3800
2		MB-1786P(F)		2.2290/2.2300	0.0002/0.0032	0.0854	2.4210/2.4220	1.6230
Main Bearing Set		MS-1698P-20	30					
1-3		MB-2610P		2.2490/2.2500	0.0005/0.0035	0.0854	2.4210/2.4220	1.3800
2		MB-3096P(F)		2.2490/2.2500	0.0005/0.0035	0.0854	2.4210/2.4220	1.6430
NOTE: Contains .020" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-330S	STD					
1		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
Rod Forging 220207								
5	220 CID (3.6L) VRG220 4 Cyl 3560CC (3.6L) VRD220 Diesel 4 Cyl 3560CC (3.6L) VRD220S Turbocharged Diesel 4 Cyl				3.875in./98.4mm x 4.646in./118mm 3.858in./98mm x 4.646in./118mm 3.858in./98mm x 4.646in./118mm			5
Rod Bearing(4)	TM-112	CB-1381P	STD,10,20,30	2.4360/2.4370	0.0010/0.0037	0.0753	2.5883/2.5893	1.1250
Main Bearing Set	TM-112	MS-1699P	STD,10					
1-2-3-5		MB-3076P		2.9974/2.9984	0.0020/0.0050	0.0953	3.1910/3.1920	1.2550
4		MB-3075P(F)		2.9974/2.9984	0.0020/0.0050	0.0953	3.1910/3.1920	1.4980
Cam Bearing Set	B-1	SH-1328S	STD					
1		SH-1328		1.8670/1.8690	0.0017/0.0047	0.0605	2.1245/2.1255	1.0720
2-3		SH-1329		1.8670/1.8690	0.0015/0.0030	0.0605	2.1245/2.1255	0.8850
NOTE: Except Engines With Hydraulic Pump								
6 CYL								
6	194 CID (3.2L) 185DAB,185DLB,185GA,185GB 6 Cyl 194 CID (3.2L) 185DAC,185DSB,185DY Diesel 6 Cyl 216 CID (3.5L) 185DLC,185DLCU Diesel 6 Cyl 216 CID (3.5L) 185GL,185GLB,185GM,185GS,185KL 6 Cyl 232 CID (3.8L) F232G,VRG232 6 Cyl 232 CID (3.8L) VRD232 Diesel 6 Cyl				3.313in./84.2mm x 3.750in./95.3mm 3.313in./84.2mm x 3.750in./95.3mm 3.500in./88.9mm x 3.750in./95.3mm 3.500in./88.9mm x 3.750in./95.3mm 3.625in./92.1mm x 3.750in./95.3mm 3.625in./92.1mm x 3.750in./95.3mm			6
Rod Bearing(6)	TM-112	CB-446P	STD,10,20	1.9990/2.0000	0.0005/0.0030	0.0617	2.1235/2.1240	1.1190
NOTE: Engines With 2.000" Crankpins								
Rod Bearing(6)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560
NOTE: Engines With 2.250" Crankpins								
Main Bearing Set	TM-112	MS-406P	STD,10,20,30					
1-2-4		MB-1629P		2.2490/2.2500	0.0002/0.0032	0.0854	2.4210/2.4220	1.3800
3		MB-1786P(F)		2.2290/2.2300	0.0002/0.0032	0.0854	2.4210/2.4220	1.6230
Cam Bearing Set	B-1	SH-330S	STD					
1		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
Piston Pin Bushing(12)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570
NOTE: 2 Per Rod,Requires Boring								
Rod Forging	180000-C, 180007-B							
C/S Forging	185111, 186211, 186311, 186211-A							
Connecting Rod	44 To 45 Lbs.Ft. (Lubricated Bolts)							
Connecting Rod	46 To 50 Lbs.Ft. (Dry Bolts)							
Main Bearing	87 To 92 Lbs.Ft.							
7	265 CID (4.3L) 190DKB,190DLB Diesel 6 Cyl 265 CID (4.3L) 190DLCA,190DLK F Oil 6 Cyl 265 CID (4.3L) 190GLB,190GLBU 6 Cyl 265 CID (4.3L) 190GLB Flex 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm 3.750in./95.3mm x 4.000in./101.6mm 3.750in./95.3mm x 4.000in./101.6mm 3.750in./95.3mm x 4.000in./101.6mm			7
Rod Bearing(6)	TM-112	CB-450P	STD,10	2.6240/2.6250	0.0009/0.0034	0.0952	2.8160/2.8165	1.1550
NOTE: Engines With 2.625" Crankpins,Standard Engine								

WAUKESHA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
7 (Cont.)	265 CID (4.3L) 190DKB,190DLB Diesel 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm				7 (Cont.)
	265 CID (4.3L) 190DLCA,190DLK F Oil 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm				
	265 CID (4.3L) 190GLB,190GLBU 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm				
	265 CID (4.3L) 190GLB Flex 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm				
Rod Bearing(6)	TM-112	CB-703P	STD,10,20,30,40	2.4365/2.4375	0.0005/0.0030	0.0755	2.5885/2.5890	1.1250
NOTE: Engines With 2.4375" Crankpins								
Main Bearing Set 1-2-4	TM-112	MS-349P	STD,10,20	2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.5050
3		MB-1643P		2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.7480
NOTE: Standard Engine								
Cam Bearing Set 1	B-1	SH-330S	STD	1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
		SH-330						
Piston Pin Bushing(12)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570
NOTE: 2 Per Rod,Requires Boring								
C/S Forging 195311, 192211B								
Connecting Rod 87 To 92 Lbs.Ft.								
Main Bearing 109 To 112 Lbs.Ft.								
8	265 CID (4.3L) 190DLA,190DSB Diesel 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm				8
	265 CID (4.3L) 190GL,190GLC,190GS,VRG265 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm				
	265 CID (4.3L) 190KL Kero 6 Cyl			3.750in./95.25mm x 4.000in./101.6mm				
	265 CID (4.3L) F265G Kero 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm				
	265 CID (4.3L) F265G,VRG265 LPG 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm				
	302 CID (5.0L) 190GK 6 Cyl			4.000in./101.6mm x 4.000in./101.6mm				
Rod Bearing(6)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560
Main Bearing Set 1-2-4	TM-112	MS-349P	STD,10,20	2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.5050
3		MB-1643P		2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.7480
		MB-1644P(F)						
Cam Bearing Set 1	B-1	SH-330S	STD	1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
		SH-330						
Piston Pin Bushing(12)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570
NOTE: 2 Per Rod,Requires Boring								
Rod Forging 190107								
C/S Forging 190111, 190211, 191211, 191311								
Connecting Rod 87 To 92 Lbs.Ft.								
Main Bearing 109 To 112 Lbs.Ft.								
9	265 CID (4.3L) 190DLC F Oil 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm				9
	265 CID (4.3L) 190DLCR,190DLCU,F320LP 6 Cyl			4.000in./101.6mm x 3.750in./95.3mm				
	265 CID (4.3L) F320G 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm				
	302 CID (5.0L) 195DLC Diesel 6 Cyl			4.000in./101.6mm x 4.000in./101.6mm				
	302 CID (5.0L) 195DLCU 6 Cyl			4.000in./101.6mm x 4.000in./101.6mm				
	320 CID (5.2L) 195GKA 6 Cyl			4.125in./104.8mm x 4.000in./101.6mm				
Rod Bearing(6)	TM-112	CB-450P	STD,10	2.6240/2.6250	0.0009/0.0034	0.0952	2.8160/2.8165	1.1550
NOTE: Engines With 2.625" Crankpins								
Rod Bearing(6)	TM-112	CB-703P	STD,10,20,30,40	2.4365/2.4375	0.0005/0.0030	0.0755	2.5885/2.5890	1.1250
NOTE: Engines With 2.4375" Crankpins								
Cam Bearing Set 1	B-1	SH-330S	STD	1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
		SH-330						
Piston Pin Bushing(12)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570
NOTE: 2 Per Rod,Requires Boring								
C/S Forging 195311, 192211B								
Connecting Rod 87 To 92 Lbs.Ft.								
Main Bearing 109 To 112 Lbs.Ft.								

WAUKESHA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
10	283 CID (4.6L) F283G,VRG283 6 Cyl			3.875in./98.4mm x 4.000in./101.6mm				10
	283 CID (4.6L) VRD283 Diesel 6 Cyl			3.875in./98.4mm x 4.000in./101.6mm				
	283 CID (4.6L) VRG283 LPG 6 Cyl			3.875in./98.4mm x 4.000in./101.6mm				
	310 CID (5.1L) F310G,VRG310 6 Cyl			3.875in./98.4mm x 4.375in./111.1mm				
	310 CID (5.1L) F310G LPG 6 Cyl			3.875in./98.4mm x 4.375in./111.1mm				
	310 CID (5.1L) VRD310 Diesel 6 Cyl			3.875in./98.4mm x 4.375in./111.1mm				
	310 CID (5.1L) VRD310S Turbocharged Diesel 6 Cyl			3.875in./98.4mm x 4.375in./111.1mm				
Rod Bearing(6)	TM-112	CB-703P	STD,10,20,30,40	2.4365/2.4375	0.0005/0.0030	0.0755	2.5885/2.5890	1.1250
Main Bearing Set 1-2-3-4-6-7 5	TM-112	MS-676P MB-2225P MB-2226P(F)	STD,10,20,30	2.6240/2.6250 2.6240/2.6250	0.0018/0.0048 0.0018/0.0048	0.0950 0.0950	2.8165/2.8175 2.8165/2.8175	1.2550 1.4980
NOTE: .030" Undersize Set Contains .017" Oversize Length Flanged Bearing								
Cam Bearing Set 1-2-3-4	B-1	SH-614S SH-330	STD	1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
11	302 CID (5.0L) 195DLCA,195GL 6 Cyl			4.000in./101.6mm x 4.000in./101.6mm				11
	320 CID (5.2L) 195GK,195GKU 6 Cyl			4.125in./104.8mm x 4.000in./101.6mm				
Rod Bearing(6)	TM-112	CB-450P	STD,10	2.6240/2.6250	0.0009/0.0034	0.0952	2.8160/2.8165	1.1550
NOTE: Engines With 2.625" Crankpins,Standard Engine								
Rod Bearing(6)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560
NOTE: Engines With 2.250" Crankpins								
Rod Bearing(6)	TM-112	CB-703P	STD,10,20,30,40	2.4365/2.4375	0.0005/0.0030	0.0755	2.5885/2.5890	1.1250
NOTE: Engines With 2.4375" Crankpins								
Main Bearing Set 1-2-4 3	TM-112	MS-349P MB-1643P MB-1644P(F)	STD,10,20	2.6240/2.6250 2.6240/2.6250	0.0008/0.0038 0.0008/0.0038	0.0955 0.0955	2.8165/2.8175 2.8165/2.8175	1.5050 1.7480
NOTE: 190111 Crank Vane Oil Pump ,Standard Engine								
Cam Bearing Set 1	B-1	SH-330S SH-330	STD	1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
Piston Pin Bushing(12)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570
NOTE: 2 Per Rod,Requires Boring								
Rod Forging	190107, 190307							
C/S Forging	190111, 190211, 191311, 195111, 195311, 192211B							
Connecting Rod	87 To 92 Lbs.Ft.							
Main Bearing	109 To 112 Lbs.Ft.							
12	302 CID (5.0L) 197DLCA,197DLC,197DLCS Diesel 6 Cyl			4.000in./101.6mm x 4.000in./101.6mm				12
Rod Bearing(6)	TM-112	CB-450P	STD,10	2.6240/2.6250	0.0009/0.0034	0.0952	2.8160/2.8165	1.1550
Piston Pin Bushing(12)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570
NOTE: 2 Per Rod,Requires Boring								
13	330 CID (5.4L) VRG330 CNG 6 Cyl			3.875in./98.4mm x 4.646in./118mm				13
	5340CC (5.3L) VRD330 Diesel 6 Cyl			3.875in./98.4mm x 4.646in./118mm				
	5340CC (5.3L) VRD330S Turbocharged Diesel 6 Cyl			3.875in./98.4mm x 4.646in./118mm				
Rod Bearing(6)	TM-112	CB-1381P	STD,10,20,30	2.4360/2.4370	0.0010/0.0037	0.0753	2.5883/2.5893	1.1250
Main Bearing Set 1-2-3-4-6-7 5	TM-112	MS-1700P MB-3076P MB-3075P(F)	STD,10	2.9974/2.9984 2.9974/2.9984	0.0020/0.0050 0.0020/0.0050	0.0953 0.0953	3.1910/3.1920 3.1910/3.1920	1.2550 1.4980
Cam Bearing Set 1 2-3-4	B-1	SH-1329S SH-1328 SH-1329	STD	1.8670/1.8690 1.8670/1.8690	0.0017/0.0047 0.0015/0.0030	0.0605 0.0605	2.1245/2.1255 2.1245/2.1255	1.0720 0.8850
NOTE: Except Engines With Hydraulic Pump								
14	426 CID (7.0L) 135DKB,135DKBS,135DKBSU,135DK,135DKS,135DKSU,135DKU Diesel 6 Cyl			4.250in./108mm x 5.000in./127mm				14
	426 CID (7.0L) 135GK 6 Cyl			4.250in./108mm x 5.000in./127mm				
	426 CID (7.0L) 135GKB Flex 6 Cyl			4.250in./108mm x 5.000in./127mm				
	451 CID (7.4L) 135GZ,135GZU 6 Cyl			4.375in./111.1mm x 5.000in./127mm				
	451 CID (7.4L) 135GZB Flex 6 Cyl			4.375in./111.1mm x 5.000in./127mm				
Rod Bearing(6)	TM-112	CB-546P	STD,20	2.9990/3.0000	0.0015/0.0040	0.0955	3.1920/3.1925	1.3850
NOTE: Gasoline								

WAUKESHA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
14 (Cont.)	426 CID (7.0L) 135DKB,135DKBS,135DKBSU,135DK,135DKS,135DKSU, 135DKU Diesel 6 Cyl				4.250in./108mm x 5.000in./127mm			14 (Cont.)
	426 CID (7.0L) 135GK 6 Cyl				4.250in./108mm x 5.000in./127mm			
	426 CID (7.0L) 135GKB Flex 6 Cyl				4.250in./108mm x 5.000in./127mm			
	451 CID (7.4L) 135GZ,135GZU 6 Cyl				4.375in./111.1mm x 5.000in./127mm			
	451 CID (7.4L) 135GZB Flex 6 Cyl				4.375in./111.1mm x 5.000in./127mm			
Rod Forging	A, 135007, 135007-A							
C/S Forging	135011, 01355011D							
Connecting Rod	109 To 112 Lbs.Ft.							
Main Bearing	125 To 133 Lbs.Ft.							
15	468 CID (7.6L) 140HL,140HS 6 Cyl				4.250in./108mm x 5.500in./139.7mm			15
	525 CID (8.6L) 140GK,140GS 6 Cyl				4.500in./114.3mm x 5.500in./139.7mm			
	525 CID (8.6L) 140GKB Flex 6 Cyl				4.500in./114.3mm x 5.500in./139.7mm			
	525 CID (8.6L) 140HK F Oil 6 Cyl				4.500in./114.3mm x 5.500in./139.7mm			
	554 CID (9.1L) 140GZ,140GZC,140GZU,F554G 6 Cyl				4.625in./117.5mm x 5.500in./139.7mm			
	554 CID (9.1L) 140GZB Flex 6 Cyl				4.625in./117.5mm x 5.500in./139.7mm			
Rod Bearing(6)	TM-112	CB-291P	STD	2.6240/2.6250	0.0016/0.0041	0.1102	2.8465/2.8470	1.7230
Rod Forging	140107							
C/S Forging	140311, 140111-B, 140111-C, 140111-J							
Connecting Rod	96 To 100 Lbs.Ft.							
Main Bearing	130 To 133 Lbs.Ft.							
16	501 CID (8.2L) V 6 Cyl				4.500in./114.3mm x 5.250in./133.4mm			16
	638 CID (10.5L) 145GS 6 Cyl				4.750in./120.7mm x 6.000in./152.4mm			
	638 CID (10.5L) 145HS F Oil 6 Cyl				4.750in./120.7mm x 6.000in./152.4mm			
	779 CID (12.8L) 145GK,145GKU 6 Cyl				5.250in./133.4mm x 6.000in./152.4mm			
	779 CID (12.8L) 145GKB Flex 6 Cyl				5.250in./133.4mm x 6.000in./152.4mm			
	779 CID (12.8L) 145HK F Oil 6 Cyl				5.250in./133.4mm x 6.000in./152.4mm			
	817 CID (13.4L) 145GZ,145GZU,F817G 6 Cyl				5.375in./136.5mm x 6.000in./152.4mm			
	817 CID (13.4L) 145GZB Flex 6 Cyl				5.375in./136.5mm x 6.000in./152.4mm			
Rod Bearing(6)	TM-112	CB-292P	STD,20	2.9990/3.0000	0.0014/0.0039	0.1103	3.2215/3.2220	1.9730
Main Bearing Set	TM-112	MS-766P	STD					
1-2-3-5-6		MB-1130P		3.4990/3.5000	0.0022/0.0052	0.1253	3.7526/3.7535	1.8480
4		MB-1131P		3.4990/3.5000	0.0022/0.0052	0.1253	3.7526/3.7535	3.4730
7		MB-2297P		3.4990/3.5000	0.0018/0.0043	0.1255	3.7526/3.7535	2.9110
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-131S								
Thrust Washer Set		TW-131S	STD					
		MB-2297W		3.5150/3.5200			3.7450/3.7500	0.1250
NOTE: Contains 4 Pieces, Position Number 7, Use With Part Number MS-766P								
Cam Bearing Set	B-1	SH-142S	STD					
1-2-3-4		SH-142		2.4990/2.5000	0.0010/0.0050	0.0618	2.6245/2.6255	1.5100
Piston Pin Bushing(6)	C-1	223-3488	STD			0.0405	1.6870/1.6875	1.8540
NOTE: Requires Boring								
Connecting Rod	67 To 69 Lbs.Ft.							
Main Bearing	267 To 275 Lbs.Ft.							
17	1013 CID (16.6L) 6WAL,6WALH 6 Cyl				5.750in./146.1mm x 6.500in./165.1mm			17
	1196 CID (19.6L) 6WAKB,6WAKD,6WAK Flex 6 Cyl				6.250in./158.8mm x 6.500in./165.1mm			
	1196 CID (19.6L) 6WAKC,6WAKDB,6WAKDBS,6WAKDS,6WAKM,F1197G, F1197GR 6 Cyl				6.250in./158.8mm x 6.500in./165.1mm			
	1196 CID (19.6L) 6WAKH F Oil 6 Cyl				6.250in./158.8mm x 6.500in./165.1mm			
Rod Bearing(6)	TM-112	CB-609P	STD	3.3740/3.3750	0.0020/0.0045	0.1245	3.6255/3.6260	2.0620
NOTE: Late,Locking Lip Type Rod Bearings								
Main Bearing Set	TM-112	MS-637P	STD					
1-2-3-5-6		MB-2178P		3.9990/4.0000	0.0033/0.0058	0.2485	4.5000/4.5005	2.1860
4		MB-2179P		3.9990/4.0000	0.0033/0.0058	0.2485	4.5000/4.5005	3.5670
7		MB-2180P		3.9990/4.0000	0.0033/0.0058	0.2485	4.5000/4.5005	3.2230
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-127S								
Thrust Washer Set		TW-127S	STD					
		MB-2178W		4.0625			5.2500	0.1260
NOTE: Contains 4 Pieces, Position Number 1, Use With Part Number MS-637P								

WAUKESHA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
17 (Cont.)	1013 CID (16.6L) 6WAL,6WALH 6 Cyl			5.750in./146.1mm x 6.500in./165.1mm				17 (Cont.)
	1196 CID (19.6L) 6WAKB,6WAKD,6WAK Flex 6 Cyl			6.250in./158.8mm x 6.500in./165.1mm				
	1196 CID (19.6L) 6WAKC,6WAKDB,6WAKDBS,6WAKDS,6WAKM,F1197G, F1197GR 6 Cyl			6.250in./158.8mm x 6.500in./165.1mm				
	1196 CID (19.6L) 6WAKH F Oil 6 Cyl			6.250in./158.8mm x 6.500in./165.1mm				
Cam Bearing Set	B-1	SH-439S	STD					
1		SH-439		2.7420/2.7430	0.0020/0.0060	0.0645	2.8740/2.8750	1.8850
2-3		SH-440		2.7420/2.7430	0.0020/0.0060	0.0645	2.8740/2.8750	1.5100
4		SH-441		2.0550/2.0560	0.0020/0.0060	0.0643	2.1865/2.1875	2.2600
Piston Pin Bushing(6)	C-1	223-3623	STD			1.0600	2.0620/2.0625	1.0100
NOTE: Requires Boring								
Rod Forging	123007, 125107							
C/S Forging	123011G, 123011T, 123011U, 125211-A, 125211-D, 123011GSA							
Connecting Rod	86 To 88 Lbs.Ft.							
Main Bearing	292 To 300 Lbs.Ft.							
18	1196 CID (19.6L) 6WAKDM,6WAKR Flex 6 Cyl			6.250in./158.8mm x 6.500in./165.1mm				18
Piston Pin Bushing(6)	C-1	223-3623	STD			1.0600	2.0620/2.0625	1.0100
NOTE: Requires Boring								
19	1905 CID (31.2L) 6NKB,6NKDB,6NKDBS,6NKR,6NKR B,F1905D,F1905DS, F1905DU,F1905G,F1905GR 6 Cyl			7.000in./177.8mm x 8.250in./209.6mm				19
	1905 CID (31.2L) 6NKD,6NKDS Diesel 6 Cyl			7.000in./177.8mm x 8.250in./209.6mm				
Rod Bearing(6)	TM-112	CB-551P	STD	4.3740/4.3750	0.0025/0.0054	0.1510	4.6790/4.6795	2.4370
Piston Pin Bushing(6)	C-1	223-3632	STD			0.2520	2.7440/2.7480	1.3530
NOTE: Requires Boring								
Rod Forging	97007-B							
C/S Forging	97011-B, 97011-C							
Connecting Rod	167 To 175 Lbs.Ft.							
Main Bearing	292 To 300 Lbs.Ft.							
20	2894 CID (47.5L) F2895D Diesel 6 Cyl			8.500in./215.9mm x 8.500in./215.9mm				20
	3520 CID (57.7L) F3521G Turbocharged 6 Cyl			9.375in./238.1mm x 8.500in./215.9mm				
Rod Bearing(6)	TM-112	CB-973P(L)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205007 With Dowel Pin In Cap,Connecting Rod Series 205407C,D,H,J With Dowel Pin In Cap,Upper Half Locating Lug Centered,Upper Half Oil Holes 20 Degrees From Parting Line, Contains Lower Half Only,Not Sold In Pairs, Use With Part Number CB-973P(U) (6)								
Rod Bearing(6)	TM-112	CB-973P(U)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205007 With Dowel Pin In Cap,Upper Half Oil Holes 20 Degrees From Parting Line, Contains Upper Half Only,Not Sold In Pairs, Use With Part Number CB-973P(L) (6)								
Rod Bearing(6)	TM-112	CB-1396P(U)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205407C,D,H,J With Dowel Pin In Cap,Connecting Rod Series 205507,Lower Half Has Locating Lug,Upper Half Locating Lug Centered, Contains Upper Half Only,Not Sold In Pairs, Use With Part Number CB-973P(L) (6)								
Rod Bearing(6)	TM-112	CB-1397P(L)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205507,Lower Half Has Locating Lug,Upper Half Locating Lug Centered, Contains Lower Half Only, Not Sold In Pairs								
Main Bearing(6)	TM-112	MB-2608P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	4.1300
NOTE: 2 Per Position,Not Sold In Pairs, Positions Number 1,4, And 7								
Main Bearing(8)	TM-112	MB-2609P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	3.0050
NOTE: 2 Per Position,Not Sold In Pairs, Positions Number 2,3,5, And 6								
Piston Pin Bushing(6)	C-1	223-3631	STD			0.1400	3.2435/3.2475	1.5720
NOTE: Requires Boring								
21	2894 CID (47.5L) F2895G CNG 6 Cyl			8.500in./215.9mm x 8.500in./215.9mm				21
Rod Bearing(6)	TM-112	CB-597P	STD	5.7490/5.7500	0.0031/0.0065	0.1862	6.1250/6.1260	2.7500

WAUKESHA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
21 (Cont.)	2894 CID (47.5L) F2895G CNG 6 Cyl			8.500in./215.9mm x 8.500in./215.9mm				21 (Cont.)
Rod Bearing(6)	TM-112	CB-973P(L)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205007 With Dowel Pin In Cap,Connecting Rod Series 205407C,D,H,J With Dowel Pin In Cap,Upper Half Locating Lug Centered,Upper Half Oil Holes 20 Degrees From Parting Line, Contains Lower Half Only,Not Sold In Pairs, Use With Part Number CB-973P(U) (6)								
Rod Bearing(6)	TM-112	CB-973P(U)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205007 With Dowel Pin In Cap,Upper Half Oil Holes 20 Degrees From Parting Line, Contains Upper Half Only,Not Sold In Pairs, Use With Part Number CB-973P(L) (6)								
Rod Bearing(6)	TM-112	CB-1396P(U)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205407C,D,H,J With Dowel Pin In Cap,Connecting Rod Series 205507,Lower Half Has Locating Lug,Upper Half Locating Lug Centered, Contains Upper Half Only,Not Sold In Pairs, Use With Part Number CB-973P(L) (6)								
Rod Bearing(6)	TM-112	CB-1397P(L)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205507,Lower Half Has Locating Lug,Upper Half Locating Lug Centered, Contains Lower Half Only, Not Sold In Pairs								
Main Bearing(6)	TM-112	MB-2608P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	4.1300
NOTE: 2 Per Position,Not Sold In Pairs, Positions Number 1,4, And 7								
Main Bearing(8)	TM-112	MB-2609P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	3.0050
NOTE: 2 Per Position,Not Sold In Pairs, Positions Number 2,3,5, And 6								
Piston Pin Bushing(6)	C-1	223-3631	STD			0.1400	3.2435/3.2475	1.5720
NOTE: Requires Boring								
12 CYL								
22	5788 CID (94.9L) L5100D,L5100G,L5108D,L5108G,L5788D,L5788DS,L5788DU, L5788G,L5788GR,VLR,VLRD,VLRDB,VLRDBS,VLRDBSU,VLRDS,VLRO, VLROB,VLROBU,VLROR V12 Cyl			8.500in./215.9mm x 8.500in./215.9mm				22
Rod Bearing(12)	TM-112	CB-597P	STD	5.7490/5.7500	0.0031/0.0065	0.1862	6.1250/6.1260	2.7500
Main Bearing(6)	TM-112	MB-2608P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	4.1300
NOTE: 2 Per Position,Not Sold In Pairs, Positions Number 1,4, And 7								
Main Bearing(8)	TM-112	MB-2609P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	3.0050
NOTE: 2 Per Position,Not Sold In Pairs, Positions Number 2,3,5, And 6								
Piston Pin Bushing(12)	C-1	223-3631	STD			0.1400	3.2435/3.2475	1.5720
NOTE: Requires Boring								
Rod Forging	20007, 200007							
C/S Forging	0200011							
23	5788 CID (94.9L) L5790D Diesel 12 Cyl			8.500in./215.9mm x 8.500in./215.9mm				23
Rod Bearing(12)	TM-112	CB-973P(L)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205007 With Dowel Pin In Cap,Connecting Rod Series 205407C,D,H,J With Dowel Pin In Cap,Upper Half Locating Lug Centered,Upper Half Oil Holes 20 Degrees From Parting Line, Contains Lower Half Only,Not Sold In Pairs, Use With Part Number CB-973P(U) (12)								
Rod Bearing(12)	TM-112	CB-973P(U)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205007 With Dowel Pin In Cap,Upper Half Oil Holes 20 Degrees From Parting Line, Contains Upper Half Only,Not Sold In Pairs, Use With Part Number CB-973P(L) (12)								
Rod Bearing(12)	TM-112	CB-1396P(U)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205407C,D,H,J With Dowel Pin In Cap,Connecting Rod Series 205507,Lower Half Has Locating Lug,Upper Half Locating Lug Centered, Contains Upper Half Only,Not Sold In Pairs, Use With Part Number CB-973P(L) (12)								
Rod Bearing(12)	TM-112	CB-1397P(L)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205507,Lower Half Has Locating Lug,Upper Half Locating Lug Centered, Contains Lower Half Only, Not Sold In Pairs								
Main Bearing(6)	TM-112	MB-2608P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	4.1300
NOTE: 2 Per Position,Not Sold In Pairs, Positions Number 1,4, And 7								
Main Bearing(8)	TM-112	MB-2609P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	3.0050
NOTE: 2 Per Position,Not Sold In Pairs, Positions Number 2,3,5, And 6								

WAUKESHA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
12 CYL (Cont.)								
23 (Cont.)	5788 CID (94.9L) L5790D Diesel 12 Cyl			8.500in./215.9mm x 8.500in./215.9mm				23 (Cont.)
Piston Pin Bushing(12)	C-1	223-3631	STD		0.1400	3.2435/3.2475	1.5720	
NOTE: Requires Boring								
24	5788 CID (94.9L) L5790G CNG 12 Cyl			8.500in./215.9mm x 8.500in./215.9mm				24
Rod Bearing(12)	TM-112	CB-597P	STD	5.7490/5.7500	0.0031/0.0065	0.1862	6.1250/6.1260	2.7500
Main Bearing(6)	TM-112	MB-2608P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	4.1300
NOTE: 2 Per Position, Not Sold In Pairs, Positions Number 1,4, And 7								
Main Bearing(8)	TM-112	MB-2609P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	3.0050
NOTE: 2 Per Position, Not Sold In Pairs, Positions Number 2,3,5, And 6								
Piston Pin Bushing(12)	C-1	223-3631	STD		0.1400	3.2435/3.2475	1.5720	
NOTE: Requires Boring								
25	7042 CID (115.4L) L7042G 12 Cyl			9.375in./238.1mm x 8.500in./215.9mm				25
Rod Bearing(12)	TM-112	CB-973P(L)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205007 With Dowel Pin In Cap, Connecting Rod Series 205407C,D,H,J With Dowel Pin In Cap, Upper Half Locating Lug Centered, Upper Half Oil Holes 20 Degrees From Parting Line, Contains Lower Half Only, Not Sold In Pairs, Use With Part Number CB-973P(U) (12)								
Rod Bearing(12)	TM-112	CB-973P(U)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205007 With Dowel Pin In Cap, Upper Half Oil Holes 20 Degrees From Parting Line, Contains Upper Half Only, Not Sold In Pairs, Use With Part Number CB-973P(L) (12)								
Rod Bearing(12)	TM-112	CB-1396P(U)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205407C,D,H,J With Dowel Pin In Cap, Connecting Rod Series 205507, Lower Half Has Locating Lug, Upper Half Locating Lug Centered, Contains Upper Half Only, Not Sold In Pairs, Use With Part Number CB-973P(L) (12)								
Rod Bearing(12)	TM-112	CB-1397P(L)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205507, Lower Half Has Locating Lug, Upper Half Locating Lug Centered, Contains Lower Half Only, Not Sold In Pairs								
Main Bearing(6)	TM-112	MB-2608P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	4.1300
NOTE: Angle Drilled Crankshaft, 2 Per Position, Not Sold In Pairs, Positions Number 1,4, And 7, Use With Part Number MB-2609P(U) (8)								
Main Bearing(8)	TM-112	MB-2609P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	3.0050
NOTE: Angle Drilled Crankshaft, 2 Per Position, Not Sold In Pairs, Positions Number 2,3,5, And 6								
Main Bearing(3)	TM-112	MB-3099P(U)	STD	6.2490/6.2500	0.0048/0.0087	0.2035	6.6615/6.6630	4.1300
NOTE: T Drilled Crankshaft, Not Sold In Pairs, Position Number 1, Position Number 4, Position Number 7, Upper, Use With Part Number MB-3100P(L) (3)								
Main Bearing(3)	TM-112	MB-3100P(L)	STD	6.2490/6.2500	0.0048/0.0087	0.2035	6.6615/6.6630	4.1300
NOTE: T Drilled Crankshaft, Not Sold In Pairs, Lower, Position Number 1, Position Number 4, Position Number 7, Use With Part Number MB-3099P(U) (3)								
Main Bearing(4)	TM-112	MB-3101P(U)	STD	6.2490/6.2500	0.0048/0.0087	0.2035	6.6615/6.6630	3.0050
NOTE: T Drilled Crankshaft, Not Sold In Pairs, Position Number 2, Position Number 3, Position Number 5, Position Number 6, Upper, Use With Part Number MB-3102P(L) (4)								
Main Bearing(4)	TM-112	MB-3102P(L)	STD	6.2490/6.2500	0.0048/0.0087	0.2035	6.6615/6.6630	3.0050
NOTE: T Drilled Crankshaft, Not Sold In Pairs, Lower, Position Number 2, Position Number 3, Position Number 5, Position Number 6, Use With Part Number MB-3101P(U) (4)								
Piston Pin Bushing(12)	C-1	223-3631	STD		0.1400	3.2435/3.2475	1.5720	
NOTE: Requires Boring								
16 CYL								
26	9388 CID (154.0L) P9390G V16 Cyl			9.375in./238.1mm x 8.500in./215.9mm				26
Rod Bearing(16)	TM-112	CB-973P(L)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205007 With Dowel Pin In Cap, Connecting Rod Series 205407C,D,H,J With Dowel Pin In Cap, Upper Half Locating Lug Centered, Upper Half Oil Holes 20 Degrees From Parting Line, Contains Lower Half Only, Not Sold In Pairs, Use With Part Number CB-973P(U) (16)								

WAUKESHA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
16 CYL (Cont.)								
26 (Cont.)	9388 CID (154.0L) P9390G V16 Cyl			9.375in./238.1mm x 8.500in./215.9mm				26 (Cont.)
Rod Bearing(16)	TM-112	CB-973P(U)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205007 With Dowel Pin In Cap,Upper Half Oil Holes 20 Degrees From Parting Line, Contains Upper Half Only,Not Sold In Pairs, Use With Part Number CB-973P(L) (16)								
Rod Bearing(16)	TM-112	CB-1396P(U)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205407C,D,H,J With Dowel Pin In Cap,Connecting Rod Series 205507,Lower Half Has Locating Lug,Upper Half Locating Lug Centered, Contains Upper Half Only,Not Sold In Pairs, Use With Part Number CB-973P(L) (16)								
Rod Bearing(16)	TM-112	CB-1397P(L)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205507,Lower Half Has Locating Lug,Upper Half Locating Lug Centered, Contains Lower Half Only,Not Sold In Pairs, Lower, Use With Part Number CB-1396P(U) (16)								
Main Bearing(4)	TM-112	MB-2608P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	4.1300
NOTE: Angle Drilled Crankshaft, 2 Per Position,Not Sold In Pairs, Positions 1 And 10, Use With Part Number MB-2609P(U) (16)								
Main Bearing(16)	TM-112	MB-2609P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	3.0050
NOTE: Angle Drilled Crankshaft, 2 Per Position,Not Sold In Pairs, Positions 2,3,4,5,6,7,8, And 9, Use With Part Number MB-2608P(U) (4)								
Main Bearing(2)	TM-112	MB-3099P(U)	STD	6.2490/6.2500	0.0048/0.0087	0.2035	6.6615/6.6630	4.1300
NOTE: T Drilled Crankshaft, Not Sold In Pairs, Positions 1 And 10,Upper, Use With Part Number MB-3100P(L) (2)								
Main Bearing(2)	TM-112	MB-3100P(L)	STD	6.2490/6.2500	0.0048/0.0087	0.2035	6.6615/6.6630	4.1300
NOTE: T Drilled Crankshaft, Not Sold In Pairs, Lower,Positions 1 And 10, Use With Part Number MB-3099P(U) (2)								
Main Bearing(8)	TM-112	MB-3101P(U)	STD	6.2490/6.2500	0.0048/0.0087	0.2035	6.6615/6.6630	3.0050
NOTE: T Drilled Crankshaft, Not Sold In Pairs, Positions 2,3,4,5,6,7,8, And 9, Use With Part Number MB-3102P(L) (8)								
Main Bearing(8)	TM-112	MB-3102P(L)	STD	6.2490/6.2500	0.0048/0.0087	0.2035	6.6615/6.6630	3.0050
NOTE: T Drilled Crankshaft, Not Sold In Pairs, Positions 2,3,4,5,6,7,8, And 9, Use With Part Number MB-3101P(U) (8)								
Piston Pin Bushing(16)	C-1	223-3631	STD			0.1400	3.2435/3.2475	1.5720
NOTE: Requires Boring								
WHITE FARM								
ENGINE DATA								
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block	
6 CYL				6 CYL (Cont.)				
6-354 Perkins 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm		1	T6-354 Perkins 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm		4	
6-354.2 Perkins 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm		1	Turbocharged				
6-354.4 Perkins 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm		2	T6-354.3 Perkins 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm		5	
504B Minneapolis Moline 504 CID (8.3L) Diesel	4.625in./117.5mmX5.000in./127mm		6	Turbocharged				
AT6-354.4 Perkins 354 CID (5.8L) Diesel Turbocharged	3.877in./98.5mmX5.000in./127mm		3	T6-354.4 Perkins 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm		5	
				Turbocharged				
MODEL DATA								
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block	
2-85 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354.4 Perkins Diesel	3	7800 Base Model	Combine	354 CID (5.8L) T6-354 Perkins Diesel	4	
2-105 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354.4 Perkins Diesel	3	8600 Base Model	Combine	354 CID (5.8L) 6-354.2 Perkins Diesel	1	
2270 Base Model	Wheel Tractor	504 CID (8.3L) 504B Minneapolis Moline Diesel	6	8700 Base Model	Combine	354 CID (5.8L) 6-354.4 Perkins Diesel	2	
5542 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	1	8800 Base Model	Combine	354 CID (5.8L) T6-354.3 Perkins Diesel	5	
7300 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	1	8900 Base Model	Combine	354 CID (5.8L) T6-354.4 Perkins Diesel	5	
7600 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	1					

WHITE FARM (Cont.)											
CONNECTING ROD FORGING NUMBERS (Cont.)											
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
10A-5090	5.000in./127mm	6	59554	5.000in./127mm	1	31337180JGSB	5.000in./127mm	1	31337310	5.000in./127mm	1
59554	5.000in./127mm	2	31337180JGSB	5.000in./127mm	2	31337310	5.000in./127mm	2			
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3132302	5.000in./127mm	2	3132302	5.000in./127mm	1	31322302	5.000in./127mm	2	31322302	5.000in./127mm	1
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL											
1	354 CID (5.8L) 6-354.2,6-354 Perkins Diesel 6 Cyl						3.877in./98.5mm x 5.000in./127mm				1
Rod Bearing(6)	AL-3	CB-667AL	STD,10,20,30			2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550	
Main Bearing Set	AL-3	MS-757AL	STD,10,20,30								
1-2-3-5-6-7		MB-2221AL				2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2550	
4		MB-2222AL				2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4450	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Numbers TW-121S,TW-316S											
Thrust Washer Set		TW-121S	STD								
		MB-2222W(L)				3.4200/3.4300			4.0880/4.0980	0.0910	
		MB-2222W(U)				3.4200/3.4300			4.0880/4.0980	0.0910	
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4, Use With Part Number MS-757AL											
Thrust Washer Set		TW-316S	STD								
		MB-2636W(L)				3.4200/3.4300			4.0880/4.0980	0.0900	
		MB-2636W(U)				3.4200/3.4300			4.0880/4.0980	0.0900	
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4											
Rod Forging	59554, 31337310, 31337180JGSB										
C/S Forging	3132302, 31322302										
Connecting Rod	65 To 70 Lbs.Ft.										
Main Bearing	145 To 150 Lbs.Ft.										
2	354 CID (5.8L) 6-354.4 Perkins Diesel 6 Cyl						3.877in./98.5mm x 5.000in./127mm				2
Rod Bearing(6)	AL-3	CB-667AL	STD,10,20,30			2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550	
Main Bearing Set	AL-3	MS-1548AL	STD,10								
1-2-3-5-6-7		MB-2789AL				2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2400	
4		MB-2790AL				2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4400	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-316S											
Thrust Washer Set		TW-316S	STD								
		MB-2636W(L)				3.4200/3.4300			4.0880/4.0980	0.0900	
		MB-2636W(U)				3.4200/3.4300			4.0880/4.0980	0.0900	
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1548AL											
Rod Forging	59554, 31337310, 31337180JGSB										
C/S Forging	3132302, 31322302										
Connecting Rod	75 Lbs.Ft. (Cadmium Plated Bolts)										
Connecting Rod	95 Lbs.Ft. (Phosphated Bolts)										
Main Bearing	200 Lbs.Ft.										
3	354 CID (5.8L) AT6-354.4 Perkins Turbocharged Diesel 6 Cyl						3.877in./98.5mm x 5.000in./127mm				3
Rod Bearing(6)	AL-3	CB-1209AL	STD,10,20,30			2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550	
Main Bearing Set	AL-3	MS-1548AL	STD,10								
1-2-3-5-6-7		MB-2789AL				2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2400	
4		MB-2790AL				2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4400	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S											
Thrust Washer Set		TW-121S	STD								
		MB-2222W(L)				3.4200/3.4300			4.0880/4.0980	0.0910	
		MB-2222W(U)				3.4200/3.4300			4.0880/4.0980	0.0910	
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4											

WHITE FARM (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)									
3 (Cont.)	354 CID (5.8L) AT6-354.4 Perkins Turbocharged Diesel 6 Cyl				3.877in./98.5mm x 5.000in./127mm				3 (Cont.)
Thrust Washer Set		TW-316S	STD		3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(L)			3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(U)							
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4									
Piston Pin Bushing(6)	C-1	223-3641	STD				0.0830	1.6562/1.6568	1.3360
4	354 CID (5.8L) T6-354 Perkins Turbocharged Diesel 6 Cyl				3.877in./98.5mm x 5.000in./127mm				4
Rod Bearing(6)	AL-3	CB-1209AL	STD,10,20,30		2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set	AL-3	MS-757AL	STD,10,20,30		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2550
1-2-3-5-6-7		MB-2221AL			2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2550
4		MB-2222AL							1.4450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S									
Thrust Washer Set		TW-121S	STD		3.4200/3.4300			4.0880/4.0980	0.0910
		MB-2222W(L)			3.4200/3.4300			4.0880/4.0980	0.0910
		MB-2222W(U)							
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4, Use With Part Number MS-757AL									
Thrust Washer Set		TW-316S	STD		3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(L)			3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(U)							
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4, Use With Part Number MS-757AL									
5	354 CID (5.8L) T6-354.3,T6-354.4 Perkins Turbocharged Diesel 6 Cyl				3.877in./98.5mm x 5.000in./127mm				5
Rod Bearing(6)	AL-3	CB-1209AL	STD,10,20,30		2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set	AL-3	MS-1548AL	STD,10		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2400
1-2-3-5-6-7		MB-2789AL			2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4400
4		MB-2790AL							
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-316S									
Thrust Washer Set		TW-316S	STD		3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(L)			3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(U)							
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1548AL									
6	504 CID (8.3L) 504B Minneapolis Moline Diesel 6 Cyl				4.625in./117.5mm x 5.000in./127mm				6
Rod Bearing(6)	TM-112	CB-591P	STD,10,20		2.9115/2.9120	0.0019/0.0044	0.1053	3.1240/3.1250	2.0780
Rod Forging	10A-5090								
Connecting Rod	80 To 85 Lbs.Ft.								
Main Bearing	195 To 205 Lbs.Ft. (Bearing Cap Number 1)								
Main Bearing	95 To 105 Lbs.Ft. (Bearing Caps Number 2, 3, And 4)								
WHITE TRUCK									
ENGINE DATA									
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block		
6-170A White 331 CID (5.4L)	4.125in./104.8mmX4.125in./104.8mm		1	6-200A White 400 CID (6.6L)	4.250in./108mmX4.703in./119.5mm		1		
6-186A White 362 CID (5.9L)	4.250in./108mmX4.250in./108mm		1						
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL									
1	331 CID (5.4L) 6-170A White 6 Cyl				4.125in./104.8mm x 4.125in./104.8mm				1
	362 CID (5.9L) 6-186A White 6 Cyl				4.250in./108mm x 4.250in./108mm				
	400 CID (6.6L) 6-200A White 6 Cyl				4.250in./108mm x 4.703in./119.5mm				
Rod Bearing(6)	TM-112	CB-659P	STD,10		2.3093/2.3100	0.0019/0.0041	0.0628	2.4370/2.4375	1.1120
NOTE: From Engine Serial Number 269632									

WISCONSIN

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
1 CYL			4 CYL		
AE 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm	1	MTHD 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	4
AED 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm	1	MVE-4D 92 CID (1.5L)	3.000in./76.2mmX3.250in./82.6mm	4
AEH 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm	1	MVF-4D 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	4
AEHD 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm	1	MVG-4D 149 CID (2.4L)	3.438in./87.3mmX4.000in./101.6mm	7
AEHS 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm	1	MVH-4D 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	4
AEM 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm	1	V460D 154 CID (2.5L)	3.500in./88.9mmX4.000in./101.6mm	7
AEN 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm	1	V461D 154 CID (2.5L)	3.500in./88.9mmX4.000in./101.6mm	7
AEND 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm	1	V465D 177 CID (2.9L)	3.500in./88.9mmX4.000in./101.6mm	7
AENS 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm	1	VE4 92 CID (1.5L)	3.000in./76.2mmX3.250in./82.6mm	5
AENSD 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm	1	VE4D 92 CID (1.5L)	3.000in./76.2mmX3.250in./82.6mm	5
AES 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm	1	VE41 92 CID (1.5L)	3.000in./76.2mmX3.250in./82.6mm	5
2 CYL			VF4 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	5
TE 46 CID (0.8L)	3.000in./76.2mmX3.250in./82.6mm	2	VF4D 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	5
TED 46 CID (0.8L)	3.000in./76.2mmX3.250in./82.6mm	2	VF41 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	5
TF 54 CID (0.9L)	3.250in./82.6mmX3.250in./82.6mm	2	VG4D 157 CID (2.6L)	3.500in./88.9mmX4.000in./101.6mm	8
TFD 54 CID (0.9L)	3.250in./82.6mmX3.250in./82.6mm	2	VH4 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	6
TH 54 CID (0.9L)	3.250in./82.6mmX3.250in./82.6mm	2	VH4D 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	6
THD 54 CID (0.9L)	3.250in./82.6mmX3.250in./82.6mm	2	VH4DM 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	6
TJ 54 CID (0.9L)	3.250in./82.6mmX3.250in./82.6mm	3			
TJD 54 CID (0.9L)	3.250in./82.6mmX3.250in./82.6mm	3			

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
DA-51-A	3.250in./82.6mm	2	DA-51-B	3.250in./82.6mm	2	DA-65	3.250in./82.6mm	4
DA-51-A	3.250in./82.6mm	3	DA-51-B	3.250in./82.6mm	3	DA-66-A-4	4.000in./101.6mm	7

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
CA-55	3.250in./82.6mm	5	CA-69D	4.000in./101.6mm	7	CA-71-C	3.250in./82.6mm	4
CA-68	3.250in./82.6mm	4	CA-70	3.250in./82.6mm	4			

COUNTER DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

1 CYL

1	23 CID (0.4L) AE,AED,AEH,AEHD,AEHS,AEM,AEN,AEND,AENS,AENSD,AES	3.000in./76.2mm x 3.250in./82.6mm	1
Piston Pin Bushing	C-1	223-3471	STD
NOTE: Requires Light Reaming			
		0.0710	0.8700/0.8735 1.0100

2 CYL

2	46 CID (0.8L) TE,TED 2 Cyl	3.000in./76.2mm x 3.250in./82.6mm	2
	54 CID (0.9L) TF,TFD,TH,THD 2 Cyl	3.250in./82.6mm x 3.250in./82.6mm	
Rod Bearing(2)	B-2	CB-983M	STD,10
Piston Pin Bushing(2)	C-1	223-3471	STD
NOTE: Requires Light Reaming			
		0.0710	0.8700/0.8735 1.0100

Rod Forging DA-51-A, DA-51-B

Connecting Rod 24 Lbs.Ft.
Main Bearing 30 Lbs.Ft.

3	54 CID (0.9L) TJ,TJD 2 Cyl	3.250in./82.6mm x 3.250in./82.6mm	3
Rod Bearing(2)	B-2	CB-979M	STD,10,20
Rod Forging	DA-51-A, DA-51-B		
Connecting Rod	24 Lbs.Ft.		
Main Bearing	30 Lbs.Ft.		
		1.8750/1.8760	0.0014/0.0035 0.0613 1.9995/2.0000 0.8640

4 CYL

4	92 CID (1.5L) MVE-4D V4 Cyl	3.000in./76.2mm x 3.250in./82.6mm	4
	108 CID (1.8L) MTHD,MVF-4D,MVH-4D V4 Cyl	3.250in./82.6mm x 3.250in./82.6mm	
Rod Bearing(4)	TM-77	CB-556P	STD,10,20
Rod Forging	DA-65		
C/S Forging	CA-68, CA-70, CA-71-C		
		1.8090/1.8100	0.0014/0.0044 0.0628 1.9365/1.9375 1.0050

WISCONSIN (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
5	92 CID (1.5L) VE4,VE41,VE4D V4 Cyl 108 CID (1.8L) VF4,VF41,VF4D V4 Cyl			3.000in./76.2mm x 3.250in./82.6mm 3.250in./82.6mm x 3.250in./82.6mm				5
Rod Bearing(4)	B-2	CB-983M	STD,10	1.7500/1.7510	0.0014/0.0035	0.0613	1.8745/1.8750	0.8640
Piston Pin Bushing(4)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100
NOTE: Requires Light Reaming								
C/S Forging CA-55								
Connecting Rod 24 Lbs.Ft. Main Bearing 30 Lbs.Ft.								
6	108 CID (1.8L) VH4,VH4D,VH4DM V4 Cyl			3.250in./82.6mm x 3.250in./82.6mm				6
Rod Bearing(4)	B-2	CB-979M	STD,10,20	1.8750/1.8760	0.0014/0.0035	0.0613	1.9995/2.0000	0.8640
Piston Pin Bushing(4)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100
NOTE: Requires Light Reaming								
Connecting Rod 24 Lbs.Ft. Main Bearing 30 Lbs.Ft.								
7	149 CID (2.4L) MVG-4D V4 Cyl 154 CID (2.5L) V460D,V461D V4 Cyl 177 CID (2.9L) V465D V4 Cyl			3.438in./87.3mm x 4.000in./101.6mm 3.500in./88.9mm x 4.000in./101.6mm 3.500in./88.9mm x 4.000in./101.6mm				7
Rod Bearing(4)	TM-77	CB-579P	STD,10,20	2.1232/2.1240	0.0005/0.0031	0.0628	2.2495/2.2500	1.1900
Rod Forging DA-66-A-4 C/S Forging CA-69D								
8	157 CID (2.6L) VG4D V4 Cyl			3.500in./88.9mm x 4.000in./101.6mm				8
Rod Bearing(4)	B-2	CB-995M	STD,10,20	2.1250/2.1260	0.0016/0.0037	0.0612	2.2495/2.2500	1.0520
Connecting Rod 32 Lbs.Ft. Main Bearing 30 Lbs.Ft.								

WORKHORSE

ENGINE DATA							
Engine	Years	Block	Engine	Years	Block		
6 CYL			8 CYL (Cont.)				
262 CID (4.3L) Vortec 4300 Chevrolet	2000-2003	1	395 CID/6468CC (6.5L) Chevrolet Diesel	2000-2002	5		
			403 CID/6599CC (6.6L) Duramax 6600 LB7 OHV General Motors Turbocharged/Intercooled Diesel	2004	6		
8 CYL							
294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2004	2	454 CID (7.4L) Chevrolet	2000	7		
350 CID (5.7L) Fuel Injected Chevrolet	2000-2003	3	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2002-2003	8		
365 CID (6.0L) Vortec 6000 Chevrolet	2004	4					
MODEL DATA							
Model	Engine	Years	Block	Model	Engine	Years	Block
CP30542	262 CID (4.3L) Vortec 4300 Chevrolet	2001-2003	1	CP31842	395 CID/6468CC (6.5L) Chevrolet Diesel	2001-2005	5
CP30842	262 CID (4.3L) Vortec 4300 Chevrolet	2001-2003	1	FT931	262 CID (4.3L) Vortec 4300 Chevrolet	2002-2003	1
CP30842	350 CID (5.7L) Fuel Injected Chevrolet	2001-2004	3	FT1061	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2004-2005	2
CP30842	395 CID/6468CC (6.5L) Chevrolet Diesel	2001-2005	5	FT1061	350 CID (5.7L) Fuel Injected Chevrolet	2002-2004	3
CP31042	262 CID (4.3L) Vortec 4300 Chevrolet	2001-2003	1	FT1260	350 CID (5.7L) Fuel Injected Chevrolet	2000-2001	3
CP31042	350 CID (5.7L) Fuel Injected Chevrolet	2001-2004	3	FT1261	350 CID (5.7L) Fuel Injected Chevrolet	2002-2004	3
CP31042	395 CID/6468CC (6.5L) Chevrolet Diesel	2001-2005	5	FT1460	350 CID (5.7L) Fuel Injected Chevrolet	2000-2001	3
CP31442	350 CID (5.7L) Fuel Injected Chevrolet	2001-2004	3	FT1461	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2004-2005	2
CP31442	395 CID/6468CC (6.5L) Chevrolet Diesel	2001-2005	5	FT1461	350 CID (5.7L) Fuel Injected Chevrolet	2002-2004	3
CP31842	350 CID (5.7L) Fuel Injected Chevrolet	2001-2004	3	FT1461	365 CID (6.0L) Vortec 6000 Chevrolet	2004-2005	4

WORKHORSE (Cont.)

MODEL DATA (Cont.)								
Model	Engine	Years	Block	Model	Engine	Years	Block	
FT1600	350 CID (5.7L) Fuel Injected Chevrolet	2000-2001	3	P31432	454 CID (7.4L) Chevrolet	2000-2001	7	
FT1601	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2004-2005	2	P31432	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2002-2005	8	
FT1601	350 CID (5.7L) Fuel Injected Chevrolet	2002-2004	3	P31442	262 CID (4.3L) Vortec 4300 Chevrolet	2000	1	
FT1601	365 CID (6.0L) Vortec 6000 Chevrolet	2004-2005	4	P31442	350 CID (5.7L) Fuel Injected Chevrolet	2000	3	
FT1800	350 CID (5.7L) Fuel Injected Chevrolet	2000-2001	3	P31442	395 CID/6468CC (6.5L) Chevrolet Diesel	2000	5	
FT1801	350 CID (5.7L) Fuel Injected Chevrolet	2002-2004	3	P31832	350 CID (5.7L) Fuel Injected Chevrolet	2002	3	
FT1801	365 CID (6.0L) Vortec 6000 Chevrolet	2004-2005	4	P31832	454 CID (7.4L) Chevrolet	2000-2001	7	
FT1801	395 CID/6468CC (6.5L) Chevrolet Diesel	2002-2005	5	P31832	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2002-2005	8	
FT1802	350 CID (5.7L) Fuel Injected Chevrolet	2002	3	P31842	262 CID (4.3L) Vortec 4300 Chevrolet	2000	1	
FT1802	395 CID/6468CC (6.5L) Chevrolet Diesel	2002-2003	5	P31842	350 CID (5.7L) Fuel Injected Chevrolet	2000	3	
LF-Series	403 CID/6599CC (6.6L) Duramax 6600 LB7 OHV General Motors Diesel	2004-2005	6	P31842	395 CID/6468CC (6.5L) Chevrolet Diesel	2000	5	
P30542	262 CID (4.3L) Vortec 4300 Chevrolet	2000	1	P31932	350 CID (5.7L) Fuel Injected Chevrolet	2002	3	
P30842	262 CID (4.3L) Vortec 4300 Chevrolet	2000	1	P31932	454 CID (7.4L) Chevrolet	2000-2001	7	
P30842	350 CID (5.7L) Fuel Injected Chevrolet	2000	3	P31932	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2002-2005	8	
P30842	395 CID/6468CC (6.5L) Chevrolet Diesel	2000	5	P32032	454 CID (7.4L) Chevrolet	2000-2001	7	
P31042	262 CID (4.3L) Vortec 4300 Chevrolet	2000	1	P32032	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2002-2005	8	
P31042	350 CID (5.7L) Fuel Injected Chevrolet	2000	3	P32132	454 CID (7.4L) Chevrolet	2000	7	
P31042	395 CID/6468CC (6.5L) Chevrolet Diesel	2000	5	P32132	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2002-2004	8	
P31432	350 CID (5.7L) Fuel Injected Chevrolet	2002-2003	3	W20	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2002-2005	8	
				W22	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2002-2005	8	
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
1	262 CID (4.3L) Vortec 4300 Chevrolet V6 Cyl (2000-2003)				4.000in./101.6mm x 3.484in./88.5mm			1
Rod Bearing(6)	AL-5	CB-1358A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	TM-77	CB-1358P	STD,1,10,20,30,40	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	AL-5	CB-1794A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1794P-10	20,30,40	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3 4	AL-5	MS-1454A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3 4	TM-77	MS-1454P MB-2508P MB-2509P(F)	STD,1,10,20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3 4	TM-77	MS-1628P-10 MB-2508P MB-2981P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-1684P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								

WORKHORSE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
1 (Cont.)	262 CID (4.3L) Vortec 4300 Chevrolet V6 Cyl (2000-2003)			4.000in./101.6mm x 3.484in./88.5mm				1 (Cont.)
Main Bearing Set 1-2-3 4	TM-77	MS-2215P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-4 3	AL-3	SH-1350S SH-1349 SH-1350 SH-1351	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: Except Engines Stamped With Identification Number Located On Front Of Block Starting With "T"								
Cam Bearing Set 1-4 2 3	AL-3	SH-1351S SH-1349 SH-1351 SH-1350	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0644 0.0694	2.0190/2.0210 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500
NOTE: Engines Stamped With Identification Number On Front Of Block Starting With "T"								
Balance Shaft Bearing Set Rear		SH-1798S SH-1798	STD	1.4986/1.5000	0.0005/0.0051	0.1866	1.8375/1.8745	0.8400
8 CYL								
2	294 CID (4.8L) Vortec 4800 LR4 Chevrolet V8 Cyl (2004)			3.780in./96mm x 3.268in./83mm				2
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	TM-77	MS-2199P MB-3591P MB-3592P(F)	STD,10,20,30	2.5588/2.5593 2.5588/2.5593	0.0002/0.0018 0.0002/0.0018	0.0957 0.0957	2.7509/2.7515 2.7509/2.7515	0.8050 1.0280
Cam Bearing Set 1-5 2-4 3	B-1	SH-1995S SH-1995 SH-1814 SH-1816	STD	2.1650/2.1670 2.1650/2.1670 2.1650/2.1670	0.0011/0.0063 0.0011/0.0063 0.0011/0.0063	0.0890 0.0790 0.0692	2.3460/2.3480 2.3260/2.3280 2.3063/2.3083	0.6350 0.6350 0.6350
Rod Forging C/S Forging	121 12553482							
3	350 CID (5.7L) Fuel Injected Chevrolet V8 Cyl (2000-2003)			4.000in./101.6mm x 3.484in./88.5mm				3
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4 5	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								

WORKHORSE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
3 (Cont.)	350 CID (5.7L) Fuel Injected Chevrolet V8 Cyl (2000-2003)				4.000in./101.6mm x 3.484in./88.5mm			3 (Cont.)
Main Bearing Set 1-2-3-4 5	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
Cam Bearing Set 1 2-5 3-4	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3892671, 3916396, 3923282, 3946841 1182, 2690, 306275, 306276, 310514, 3732444, 3832442, 3912335, 3932444, 3941184, 4568749							
Connecting Rod Connecting Rod Main Bearing	35 Lbs.Ft. (11/32" Bolts) 45 Lbs.Ft. (3/8" Bolts) 75 Lbs.Ft.							
4	365 CID (6.0L) Vortec 6000 Chevrolet V8 Cyl (2004)				4.000in./101.6mm x 3.622in./92mm			4
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Main Bearing Set 1-2-4-5 3	TM-77	MS-2199P MB-3591P MB-3592P(F)	STD,10,20,30	2.5588/2.5593 2.5588/2.5593	0.0002/0.0018 0.0002/0.0018	0.0957 0.0957	2.7509/2.7515 2.7509/2.7515	0.8050 1.0280
Cam Bearing Set 1-5 2-4 3	B-1	SH-1995S SH-1995 SH-1814 SH-1816	STD	2.1650/2.1670 2.1650/2.1670 2.1650/2.1670	0.0011/0.0063 0.0011/0.0063 0.0011/0.0063	0.0890 0.0790 0.0692	2.3460/2.3480 2.3260/2.3280 2.3063/2.3083	0.6350 0.6350 0.6350
Piston Pin Bushing(8) NOTE: Requires Light Reaming	C-1	223-3663				0.0585		0.9350
5	395 CID/6468CC (6.5L) Chevrolet Diesel V8 Cyl (2000-2002)				4.055in./103mm x 3.819in./97mm			5
Rod Bearing(8)	TM-77	CB-1286P	STD,.026mm,.25mm,.50mm,.75mm	2.3982/2.3992	0.0014/0.0044	0.0620	2.5246/2.5256	0.9020
Main Bearing Set 1-2-4 3 5	TM-77	MS-2091P MB-3587P MB-3588P(F) MB-3589P	STD,.026mm,.25mm,.50mm,.75mm	2.9495/2.9504 2.9495/2.9504 2.9493/2.9503	0.0016/0.0045 0.0016/0.0045 0.0018/0.0047	0.0955 0.0955 0.0955	3.1427/3.1437 3.1427/3.1437 3.1427/3.1437	0.8970 1.1300 1.3910
Cam Bearing Set 1 2 3 4 5	AL-3	SH-1366S SH-1366 SH-1367 SH-1368 SH-1369 SH-1370	STD	2.1644/2.1663 2.1644/2.1663 2.1644/2.1663 2.1644/2.1663 2.0069/2.0089	0.0005/0.0050 0.0005/0.0050 0.0005/0.0050 0.0005/0.0050 0.0005/0.0050	0.0801 0.0756 0.0706 0.0656 0.0661	2.3270/2.3290 2.3180/2.3200 2.3080/2.3100 2.2980/2.3000 2.1410/2.1430	0.9260 0.8070 0.8070 0.8070 0.8070
Piston Pin Bushing(8) NOTE: Requires Boring, .995" Length, 1.201" Inside Diameter, 1.309" Outside Diameter	C-1	223-3576	STD			0.0580	1.3030/1.3045	1.0010
C/S Forging	14024236							

WORKHORSE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
5 (Cont.)	395 CID/6468CC (6.5L) Chevrolet Diesel V8 Cyl (2000-2002)			4.055in./103mm x 3.819in./97mm				5 (Cont.)
Connecting Rod	48 Lbs.Ft.							
Main Bearing	110 Lbs.Ft. (Inner Bolts)							
Main Bearing	111 Lbs.Ft. (Outer Bolts)							
6	403 CID/6599CC (6.6L) Duramax 6600 LB7 OHV General Motors Turbocharged/Intercooled Diesel V8 Cyl (2004)			4.055in./103mm x 3.898in./99mm				6
Rod Bearing(8)	TM-77	CB-1805P	STD,.25mm,.50mm	2.4764/2.4772	0.0010/0.0034	0.0795	2.6372/2.6378	0.9340
Rod Bearing(8)	TM-77	CB-1810P-.25mm	.50mm	2.4764/2.4772	0.0010/0.0034	0.0805	2.6392/2.6398	0.9340
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4-5	TM-77	MS-2218P MB-3776P	STD,.25mm,.50mm	3.1459/3.1466	0.0009/0.0033	0.0995	3.3464/3.3472	0.8200
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-610S								
Thrust Washer Set		TW-610S MB-3776W	STD	3.5039/3.5137			4.2027/4.2125	0.1181
NOTE: Contains 3 Pieces, Positions 1 And 5, Use With Part Number MS-2218P								
Cam Bearing Set 1	AL-3	SH-1999S SH-1999	STD	2.3988/2.4000		0.0790	2.5590/2.5602	1.1200
2-3-4-5		SH-2006		2.3988/2.4000		0.0790	2.5590/2.5602	0.7050
Rod Forging	278410A							
7	454 CID (7.4L) Chevrolet V8 Cyl (2000)			4.250in./108mm x 4.000in./101.6mm				7
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4	AL-5	MS-829A-10 MB-2403A	20,30	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404A(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set 1-2-3-4	TM-77	MS-829P MB-2403P	STD,1,10,20,30,40	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set 1-2-3-4	TM-77	MS-1745P-10 MB-2403P	20,30	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-3120P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1748P-10 MB-3123P	20	2.7482/2.7492	0.0007/0.0032	0.1087	2.9570/2.9580	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set 1	B-1	SH-616S SH-615	STD	1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	3521, 7416, 353039, 359730, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							
8	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet V8 Cyl (2002-2003)			4.252in./108mm x 4.370in./111mm				8
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4	AL-5	MS-2235AL MB-3774AL	STD,10,20	2.7482/2.7489	0.0010/0.0033	0.0937	2.9370/2.9380	1.0470
5		MB-3775AL(F)		2.7482/2.7489	0.0005/0.0022	0.0940	2.9373/2.9378	1.8110
Cam Bearing Set 1	B-1	SH-616S SH-615	STD	1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900

YUGO									
ENGINE DATA									
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block		
4 CYL				4 CYL (Cont.)					
1116CC (1.1L) SOHC	1986-1989	3.150in./80mmX2.795in./71mm	1	1301CC (1.3L) 2-71	1988-1992	3.402in./86.4mmX2.204in./56mm	1		
MODEL DATA									
Model	Engine	Years	Block	Model	Engine	Years	Block		
Yugo	1116CC (1.1L) SOHC	1986-1990	1	Yugo	1301CC (1.3L) 2-71	1987-1992	1		
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL									
1	1116CC (1.1L) SOHC 4 Cyl (1986-1989)				3.150in./80mm x 2.795in./71mm				1
	1301CC (1.3L) 2-71 4 Cyl (1988-1992)				3.402in./86.4mm x 2.204in./56mm				
Rod Bearing(4)	AL-3	CB-1332AL	STD,10,20	1.7916/1.7924	0.0012/0.0033	0.0607	1.9145/1.9152	0.7560	
Main Bearing Set	AL-3	MS-891AL	STD,10						
1-2-4-5		MB-2485AL		1.9994/2.0002	0.0018/0.0037	0.0721	2.1459/2.1464	0.7970	
3		MB-2486AL		1.9994/2.0002	0.0018/0.0037	0.0721	2.1459/2.1464	0.8960	
Thrust Washer Set		TW-177S							
		MB-2485W		2.2290/2.2390			2.7400/2.7500	0.0930	

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
8 CYL			8 CYL (Cont.)		
455 Oldsmobile 455 CID (7.5L)	4.125in./104.8mmX4.250in./108mm	2	L80 Oldsmobile 403 CID (6.6L)	4.351in./110.5mmX3.385in./86mm	1

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
0997	3.385in./86mm	1	380283	3.385in./86mm	1	384759	4.250in./108mm	2	410997	3.385in./86mm	1
380282	3.385in./86mm	1	380383	3.385in./86mm	1	398410	3.385in./86mm	1			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
230276	3.385in./86mm	1	230908	4.250in./108mm	2	397303	4.250in./108mm	2	418882	3.385in./86mm	1
230331	4.250in./108mm	2	381269	3.385in./86mm	1	397363	4.250in./108mm	2	556607	3.385in./86mm	1
230376	3.385in./86mm	1	381919	3.385in./86mm	1	398261	3.385in./86mm	1	1235419	3.385in./86mm	1
230377	4.250in./108mm	2	388766	3.385in./86mm	1	398621	3.385in./86mm	1	1375802	3.385in./86mm	1
230378	4.250in./108mm	2	390275	3.385in./86mm	1	400934	4.250in./108mm	2	1398346	3.385in./86mm	1
230905	3.385in./86mm	1	393654	3.385in./86mm	1	403707	4.250in./108mm	2			
230907	4.250in./108mm	2	395654	3.385in./86mm	1	405954	4.250in./108mm	2			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

8 CYL

1	403 CID (6.6L) L80 Oldsmobile V8 Cyl (1977-1979)					4.351in./110.5mm x 3.385in./86mm			1

Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40	2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310
Main Bearing Set	TM-77	MS-805P	STD,1,10,20,30					
1		MB-2365P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
2-4		MB-2251P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
3		MB-2252P(F)		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950
5		MB-2253P		2.4985/2.4995	0.0014/0.0044	0.0932	2.6870/2.6880	1.6290
Cam Bearing Set	AL-3	SH-1355S	STD					
1		SH-1359		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980

Rod Forging	0997, 380282, 380283, 380383, 398410, 410997
C/S Forging	230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 556607, 1235419, 1375802, 1398346

Connecting Rod	42 Lbs.Ft.
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)

2	455 CID (7.5L) 455 Oldsmobile V8 Cyl (1968-1976)					4.125in./104.8mm x 4.250in./108mm			2

Rod Bearing(8)	TM-77	CB-542P	STD,1,10,20,30,40	2.4988/2.4998	0.0007/0.0032	0.0620	2.6245/2.6250	0.8310
Main Bearing Set	TM-77	MS-804P	STD,10,20,30					
1		MB-2362P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9800
2-4		MB-2163P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9790
3		MB-2363P(F)		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	1.1950
5		MB-2364P		2.9993/3.0003	0.0016/0.0049	0.0932	3.1880/3.1890	1.6290
Cam Bearing Set	AL-3	SH-1354S	STD					
1		SH-1354		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980

Rod Forging	384759
C/S Forging	230331, 230377, 230378, 230907, 230908, 397303, 397363, 400934, 403707, 405954

Connecting Rod	32 To 42 Lbs.Ft.
Main Bearing	90 To 120 Lbs.Ft.

BERKELEY PACKAJET

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
350 Oldsmobile 350 CID (5.7L)	4.057in./103mmX3.385in./86mm	1	455 Oldsmobile 455 CID (7.5L)	4.125in./104.8mmX4.250in./108mm	2

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block			
384759	4.250in./108mm	2			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
230331	4.250in./108mm	2	230907	4.250in./108mm	2	397363	4.250in./108mm	2	405954	4.250in./108mm	2
230377	4.250in./108mm	2	230908	4.250in./108mm	2	400934	4.250in./108mm	2			
230378	4.250in./108mm	2	397303	4.250in./108mm	2	403707	4.250in./108mm	2			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

8 CYL

1	350 CID (5.7L) 350 Oldsmobile V8 Cyl (1968-1980)	4.057in./103mm x 3.385in./86mm	1

Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40	2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310
Main Bearing Set	TM-77	MS-805P	STD,1,10,20,30					
1		MB-2365P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
2-4		MB-2251P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
3		MB-2252P(F)		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950
5		MB-2253P		2.4985/2.4995	0.0014/0.0044	0.0932	2.6870/2.6880	1.6290
Cam Bearing Set	AL-3	SH-1354S	STD					
1		SH-1354		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980

NOTE: 1968-1976

Cam Bearing Set	AL-3	SH-1355S	STD					
1		SH-1359		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980

NOTE: 1977-1980

Connecting Rod	42 Lbs.Ft.
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)

2	455 CID (7.5L) 455 Oldsmobile V8 Cyl (1968-1976)	4.125in./104.8mm x 4.250in./108mm	2

Rod Bearing(8)	TM-77	CB-542P	STD,1,10,20,30,40	2.4988/2.4998	0.0007/0.0032	0.0620	2.6245/2.6250	0.8310
Main Bearing Set	TM-77	MS-804P	STD,10,20,30					
1		MB-2362P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9800
2-4		MB-2163P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9790
3		MB-2363P(F)		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	1.1950
5		MB-2364P		2.9993/3.0003	0.0016/0.0049	0.0932	3.1880/3.1890	1.6290
Cam Bearing Set	AL-3	SH-1354S	STD					
1		SH-1354		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980

Rod Forging	384759
C/S Forging	230331, 230377, 230378, 230907, 230908, 397303, 397363, 400934, 403707, 405954

Connecting Rod	32 To 42 Lbs.Ft.
Main Bearing	90 To 120 Lbs.Ft.

CATERPILLAR											
ENGINE DATA											
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block				
6 CYL				8 CYL							
3406 893 CID (14.6L) Diesel Turbocharged	5.400in./137.2mmX6.500in./165.1mm		1	3408 1099 CID (18.0L) Diesel	5.400in./137.2mmX6.000in./152.4mm		4				
3406B 893 CID (14.6L) Diesel Turbocharged	5.400in./137.2mmX6.500in./165.1mm		2	12 CYL							
D342C 1246 CID (20.4L) Diesel	5.750in./146.1mmX8.000in./203.2mm		3	3412T 1649 CID/27043CC (27.0L) Diesel Turbocharged	5.400in./137.2mmX6.000in./152.4mm		5				
D11000 1246 CID (20.4L) Diesel	5.750in./146.1mmX8.000in./203.2mm		3								
D13000 1246 CID (20.4L) Diesel	5.750in./146.1mmX8.000in./203.2mm		3								
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block						
4N-389	6.000in./152.4mm	4	7B-6225	8.000in./203.2mm	3						
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1W-5008	6.000in./152.4mm	4	3B-7937	8.000in./203.2mm	3	4N-0008	6.000in./152.4mm	4	7N-3408	6.000in./152.4mm	4
1W-6208	6.000in./152.4mm	4	3B-9511	8.000in./203.2mm	3	6F-1913	8.000in./203.2mm	3	8H-5320	8.000in./203.2mm	3
1W-6209	6.000in./152.4mm	4	4F-8511	8.000in./203.2mm	3	7B-7937	8.000in./203.2mm	3			
2B-6488	8.000in./203.2mm	3	4H-7032	8.000in./203.2mm	3	7B-9511	8.000in./203.2mm	3			
3B-7934	8.000in./203.2mm	3	4M-447	8.000in./203.2mm	3	7B-9620	8.000in./203.2mm	3			
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL											
1	893 CID (14.6L) 3406 Turbocharged Diesel 6 Cyl					5.400in./137.2mm x 6.500in./165.1mm					1
Rod Bearing(6)	TM-112	CB-1262AL	STD,10,25,50			3.8189/3.8197	0.0030/0.0060	0.1258	4.0743/4.0753	1.5350	
NOTE: 1.535" Bearing Length,From Engine Serial Number 92U2954,Locking Lug on Left Hand Side											
Rod Bearing(6)	TM-112	CB-1372P	STD			3.8195/3.8205	0.0032/0.0064	0.1253	4.0743/4.0753	1.3850	
NOTE: 1.385" Bearing Length,Locking Lug on Right Hand Side,Thru Engine Serial No. 92U2954											
Main Bearing(7)	TM-112	MB-2848AL	STD,10,25,50			4.7492/4.7508	0.0022/0.0060	0.1803	5.1133/5.1143	1.6450	
NOTE: 1.645" Bearing Length,From Engine Serial Number 90U441,From Engine Serial Number 92U2954, Only Sold Separately, Use With Part Number TW-583S											
Thrust Washer Set		TW-583S	STD			5.2600/5.3000			6.2300/6.2700	0.2270	
		MB-3448W									
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MB-2848AL											
Cam Bearing Set	AL-3	SH-1487S	STD			2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.3100	
1		SH-1488				2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.0100	
2-3-4-5-6-7		SH-1487									
Piston Pin Bushing(6)	C-1	223-3577	STD						0.1060	2.1855/2.1860	1.8850
NOTE: 6 Degree Narrow Tapered Connecting Rod, Requires Boring											
Piston Pin Bushing(6)	C-1	223-3585	STD						0.1100	2.1845/2.1850	1.5600
NOTE: Straight Connecting Rod, Requires Boring											
Piston Pin Bushing(6)	C-1	223-3586	STD						0.1060	2.1855/2.1860	1.8850
NOTE: 9 Degree, Wide Tapered Connecting Rod, Requires Boring											
Connecting Rod	60 Lbs.Ft. Plus 120 Degrees										
Main Bearing	190 Lbs.Ft. Plus 120 Degrees										
2	893 CID (14.6L) 3406B Turbocharged Diesel 6 Cyl					5.400in./137.2mm x 6.500in./165.1mm					2
Rod Bearing(6)	TM-112	CB-1262AL	STD,10,25,50			3.8189/3.8197	0.0030/0.0060	0.1258	4.0743/4.0753	1.5350	
NOTE: 1.535" Bearing Length,From Engine Serial Number 92U2954,Locking Lug on Left Hand Side											
Rod Bearing(6)	TM-112	CB-1372P	STD			3.8195/3.8205	0.0032/0.0064	0.1253	4.0743/4.0753	1.3850	
NOTE: 1.385" Bearing Length,Locking Lug on Right Hand Side,Thru Engine Serial No. 92U2954											
Rod Bearing(6)	TM-112	CB-1622P	STD,25,50			3.5425/3.5441	0.0024/0.0063	0.1201	3.7868/3.7882	1.9300	
NOTE: Engines With P.E.E.C.											

CATERPILLAR (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
2 (Cont.)	893 CID (14.6L) 3406B Turbocharged Diesel 6 Cyl			5.400in./137.2mm x 6.500in./165.1mm				2 (Cont.)
Main Bearing(7)	TM-112	MB-2848AL	STD,10,25,50	4.7492/4.7508	0.0022/0.0060	0.1803	5.1133/5.1143	1.6450
NOTE: 1.645" Bearing Length,From Engine Serial Number 90U441,From Engine Serial Number 92U2954, Only Sold Separately, Use With Part Number TW-583S								
Thrust Washer Set		TW-583S	STD				6.2300/6.2700	0.2270
		MB-3448W		5.2600/5.3000				
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MB-2848AL								
Cam Bearing Set 1	AL-3	SH-1487S	STD	2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.3100
2-3-4-5-6-7		SH-1488		2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.0100
		SH-1487						
Piston Pin Bushing(6)	C-1	223-3577	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 6 Degree Narrow Tapered Connecting Rod, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3585	STD			0.1100	2.1845/2.1850	1.5600
NOTE: Straight Connecting Rod, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3586	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 9 Degree, Wide Tapered Connecting Rod, Requires Boring								
Connecting Rod Main Bearing	60 Lbs.Ft. Plus 120 Degrees 190 Lbs.Ft. Plus 120 Degrees							
3	1246 CID (20.4L) D11000,D13000,D342C Diesel 6 Cyl			5.750in./146.1mm x 8.000in./203.2mm				3
Rod Bearing(6)	TM-112	CB-817AL	STD,10,25,50,75	3.6240/3.6250	0.0036/0.0066	0.1692	3.9665/3.9675	2.5670
NOTE: Replaces 2.572" Length Bearing,Replaces 2.659" Length Bearing, 2.567" Length								
Rod Bearing(6)	TM-112	CB-964AL	STD,10,25,50	3.6240/3.6250	0.0036/0.0066	0.1692	3.9665/3.9675	2.0000
NOTE: 2.000" Length								
Main Bearing Set 1-2-3-5-6-7	TM-112	MS-1048AL	STD,25	4.2600/4.2610	0.0033/0.0063	0.1800	4.6240/4.6250	1.7800
4		MB-2585AL		4.2600/4.2610	0.0033/0.0063	0.1800	4.6240/4.6250	3.8590
		MB-2586AL(F)						
NOTE: 4.6240/4.6250" Housing Bore,Engines With .172" Wall Bearings, Contains Flanged Bearing								
Piston Pin Bushing(6)	C-1	223-3580	STD			0.1340	2.6155/2.6160	2.0720
NOTE: Requires Boring								
Rod Forging C/S Forging	7B-6225 4M-447, 2B-6488, 3B-7934, 3B-7937, 3B-9511, 4F-8511, 4H-7032, 6F-1913, 7B-7937, 7B-9511, 7B-9620, 8H-5320							
Connecting Rod Main Bearing Main Bearing	123 To 127 Lbs.Ft. 350 Lbs.Ft. (7/8" Bolts) 58 Lbs.Ft. (5/8" Bolts)							
8 CYL								
4	1099 CID (18.0L) 3408 Diesel V8 Cyl			5.400in./137.2mm x 6.000in./152.4mm				4
Rod Bearing(8)	TM-112	CB-1262AL	STD,10,25,50	3.8189/3.8197	0.0030/0.0060	0.1258	4.0743/4.0753	1.5350
NOTE: Locking Lug on Left Hand Side								
Main Bearing(5)	TM-112	MB-2848AL	STD,10,25,50	4.7492/4.7508	0.0022/0.0060	0.1803	5.1133/5.1143	1.6450
NOTE: Engs. With 1.645" Lgth Bearing, Only Sold Separately								
Thrust Washer Set		TW-583S	STD				6.2300/6.2700	0.2270
		MB-3448W		5.2600/5.3000				
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MB-2848AL								
Cam Bearing(3)	AL-3	SH-1487	STD	2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.0100
NOTE: Only Sold Separately, Positions 2,3, And 4								
Cam Bearing(2)	AL-3	SH-1488	STD	2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.3100
NOTE: Only Sold Separately, Positions 1 And 5								
Piston Pin Bushing(8)	C-1	223-3577	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 6 Degree Narrow Tapered Connecting Rod,Reqs. 4.405" Lgth. Piston Pin, Requires Boring								
Piston Pin Bushing(8)	C-1	223-3585	STD			0.1100	2.1845/2.1850	1.5600
NOTE: Reqs. 4.405" Lgth. Piston Pin,Straight Connecting Rod, Requires Boring								

CATERPILLAR (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
4 (Cont.)	1099 CID (18.0L) 3408 Diesel V8 Cyl			5.400in./137.2mm x 6.000in./152.4mm				4 (Cont.)
Piston Pin Bushing(8)	C-1	223-3586	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 9 Degree, Wide Tapered Connecting Rod, Requires Boring								
Rod Forging	4N-389							
C/S Forging	1W-5008, 1W-6208, 1W-6209, 4N-0008, 7N-3408							
Connecting Rod Main Bearing	60 Lbs.Ft. Plus 120 Degrees							
	190 Lbs.Ft. Plus 120 Degrees							
12 CYL								
5	1649 CID/27043CC (27.0L) 3412T Turbocharged Diesel V12 Cyl			5.400in./137.2mm x 6.000in./152.4mm				5
Rod Bearing(12)	TM-112	CB-1262AL	STD,10,25,50	3.8189/3.8197	0.0030/0.0060	0.1258	4.0743/4.0753	1.5350
NOTE: Locking Lug on Left Hand Side								
Main Bearing(7)	TM-112	MB-2848AL	STD,10,25,50	4.7492/4.7508	0.0022/0.0060	0.1803	5.1133/5.1143	1.6450
NOTE: 1.645" Bearing Length, Only Sold Separately								
Thrust Washer Set		TW-583S MB-3448W	STD	5.2600/5.3000			6.2300/6.2700	0.2270
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MB-2848AL								
Cam Bearing(5)	AL-3	SH-1487	STD	2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.0100
NOTE: Only Sold Separately, Positions 2,3,4,5, And 6								
Cam Bearing(2)	AL-3	SH-1488	STD	2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.3100
NOTE: Only Sold Separately, Positions 1 And 7								
Piston Pin Bushing(12)	C-1	223-3577	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 6 Degree Narrow Tapered Connecting Rod, Requires Boring								
Piston Pin Bushing(12)	C-1	223-3585	STD			0.1100	2.1845/2.1850	1.5600
NOTE: Straight Connecting Rod, Requires Boring, 1.550" Length, 2.001" Inside Diameter								
Piston Pin Bushing(12)	C-1	223-3586	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 9 Degree, Wide Tapered Connecting Rod, Requires Boring, Tapered Bushing, 1.875" Length, 1.985" Inside Diameter								
Connecting Rod Main Bearing	60 Lbs.Ft. Plus 120 Degrees							
	190 Lbs.Ft. Plus 120 Degrees							

CHRIS CRAFT**ENGINE DATA**

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL			8 CYL (Cont.)		
181FL Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	1	283FL Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	5
181FLV Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	1	283FLV Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	5
6 CYL			283H Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	5
4.3 Litre Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	4	283HL Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	5
185MR Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	4	283L Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	5
205 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	4	283M Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	5
225B Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	2	283ML Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	5
225BVC Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	2	302FLV Chevrolet 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	6
262 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	4	305GLV Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	7
262 King Cobra Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	4	305K Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	7
MCM175 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	4	305KC Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	7
MCM185 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	4	305KCL Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	7
MCM205 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	4	305KL Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	7
QXD Hercules 230 CID (3.8L)	3.438in./87.33mmX4.125in./104.8mm	3	307G Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7
QXLD Hercules 237 CID (3.9L)	3.438in./87.33mmX4.250in./108mm	3	307GB Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7
8 CYL			307GC Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7
283 Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	5	307GCL Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7
283F Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	5	307GCLV Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7
			307GL Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7
			307GLV Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7

CHRIS CRAFT (Cont.)**ENGINE DATA (Cont.)**

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
8 CYL (Cont.)			8 CYL (Cont.)		
307K Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	327QLV Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	7
307KB Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350FLV Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
307KC Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350G Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
307KCB Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350GB Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
307KCL Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350GL Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
307KL Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350GLV Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
307Q Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350K Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
307QA Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350KL Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
307QAL Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350Q Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
307QB Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350QAL Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.438in./87.33mm	7
307QL Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350QB Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
307QLV Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350QL Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
327F Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	7	350QLV Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
327FL Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	7	454 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	9
327Q Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	7	454B Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	9
327QA Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	7	454L Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	9
327QAL Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	7	Ford 427 CID (7.0L)	4.233in./107.5mmX3.781in./96mm	8
327QL Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	7			

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
201	3.400in./86.4mm	2	3703526	3.000in./76.2mm	5	3815281	3.000in./76.2mm	5	3923282	3.484in./88.5mm	7
220	3.400in./86.4mm	2	3703526	3.250in./82.6mm	7	3815281	3.250in./82.6mm	7	3923282	3.438in./87.33mm	7
673	3.400in./86.4mm	2	3703526	3.000in./76.2mm	6	3815281	3.000in./76.2mm	6	3933174	4.000in./101.6mm	9
763	3.400in./86.4mm	2	3703527	3.000in./76.2mm	5	3856239	4.000in./101.6mm	9	3946841	3.484in./88.5mm	7
779	3.400in./86.4mm	2	3703527	3.250in./82.6mm	7	3856240	4.000in./101.6mm	9	3946841	3.438in./87.33mm	7
1357201	3.400in./86.4mm	2	3703527	3.000in./76.2mm	6	3892671	3.484in./88.5mm	7	25509405	3.400in./86.4mm	2
1357333	3.400in./86.4mm	2	3784000	3.000in./76.2mm	5	3892671	3.438in./87.33mm	7			
1377248	3.400in./86.4mm	2	3784000	3.250in./82.6mm	7	3916396	3.484in./88.5mm	7			
3185281	3.250in./82.6mm	7	3784000	3.000in./76.2mm	6	3916396	3.438in./87.33mm	7			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1130	3.250in./82.6mm	7	220825E	4.250in./108mm	3	3729449	3.000in./76.2mm	6	3912335	3.438in./87.33mm	7
1178	3.000in./76.2mm	5	230277	3.400in./86.4mm	2	3732444	3.484in./88.5mm	7	3914681	3.250in./82.6mm	7
1178	3.250in./82.6mm	7	230278	3.400in./86.4mm	2	3732444	3.438in./87.33mm	7	3914682	3.250in./82.6mm	7
1178	3.000in./76.2mm	6	230378	3.400in./86.4mm	2	3734627	3.000in./76.2mm	5	3923278	3.000in./76.2mm	6
1182	3.484in./88.5mm	7	306275	3.484in./88.5mm	7	3734627	3.000in./76.2mm	6	3930809	3.250in./82.6mm	7
1182	3.438in./87.33mm	7	306275	3.438in./87.33mm	7	3735236	3.000in./76.2mm	5	3932444	3.484in./88.5mm	7
1182	3.250in./82.6mm	7	306276	3.484in./88.5mm	7	3735236	3.000in./76.2mm	6	3932444	3.438in./87.33mm	7
2680	3.250in./82.6mm	7	306276	3.438in./87.33mm	7	3782680	3.250in./82.6mm	7	3941172	3.250in./82.6mm	7
2690	3.484in./88.5mm	7	310514	3.484in./88.5mm	7	3782690	3.250in./82.6mm	7	3941174	3.250in./82.6mm	7
2690	3.438in./87.33mm	7	310514	3.438in./87.33mm	7	3815822	3.250in./82.6mm	7	3941176	3.000in./76.2mm	6
3279	3.000in./76.2mm	5	353039	4.000in./101.6mm	9	3832442	3.484in./88.5mm	7	3941184	3.484in./88.5mm	7
3279	3.250in./82.6mm	7	359730	4.000in./101.6mm	9	3832442	3.438in./87.33mm	7	3941184	3.438in./87.33mm	7
3279	3.000in./76.2mm	6	378354	3.400in./86.4mm	2	3835236TG	3.000in./76.2mm	5	3962523	4.000in./101.6mm	9
3521	4.000in./101.6mm	9	391101A	3.250in./82.6mm	7	3835236TG	3.000in./76.2mm	6	3963523	4.000in./101.6mm	9
3690	3.484in./88.5mm	7	1254083	3.400in./86.4mm	2	3836236	3.000in./76.2mm	5	3963524	4.000in./101.6mm	9
4577	3.250in./82.6mm	7	1255645	3.400in./86.4mm	2	3836236	3.000in./76.2mm	6	3967463	4.000in./101.6mm	9
4672	3.250in./82.6mm	7	1255646	3.400in./86.4mm	2	3836266	3.000in./76.2mm	5	3975945	4.000in./101.6mm	9
6764	3.000in./76.2mm	5	1255674	3.400in./86.4mm	2	3836266	3.000in./76.2mm	6	4568749	3.484in./88.5mm	7
6764	3.000in./76.2mm	6	1255846	3.400in./86.4mm	2	3837266	3.000in./76.2mm	5	4568749	3.438in./87.33mm	7
7416	4.000in./101.6mm	9	1255862	3.400in./86.4mm	2	3837266	3.000in./76.2mm	6	5782680	3.250in./82.6mm	7
41026	4.125in./104.8mm	3	1257125	3.400in./86.4mm	2	3838266	3.000in./76.2mm	5	25505554	3.400in./86.4mm	2
41026B	4.125in./104.8mm	3	1260877	3.400in./86.4mm	2	3838266	3.000in./76.2mm	6	25506397	3.400in./86.4mm	2
46827E	4.125in./104.8mm	3	1261438	3.400in./86.4mm	2	3849847	3.000in./76.2mm	5	25506818	3.400in./86.4mm	2
46828B	4.125in./104.8mm	3	1261787	3.400in./86.4mm	2	3849847	3.000in./76.2mm	6	25509404	3.400in./86.4mm	2
46828E	4.125in./104.8mm	3	1357898	3.400in./86.4mm	2	3876764	3.000in./76.2mm	5	25514290	3.400in./86.4mm	2
46829B	4.125in./104.8mm	3	1378351	3.400in./86.4mm	2	3876764	3.000in./76.2mm	6	25520329	3.400in./86.4mm	2
46829E	4.125in./104.8mm	3	1378354	3.400in./86.4mm	2	3876768	3.000in./76.2mm	5	N140966	3.600in./91.4mm	1
46831E	4.125in./104.8mm	3	3727449	3.000in./76.2mm	5	3876768	3.000in./76.2mm	6	N353039	4.000in./101.6mm	9
46839E	4.250in./108mm	3	3727449	3.000in./76.2mm	6	3911000	3.250in./82.6mm	7	N853039	4.000in./101.6mm	9
47830D	4.125in./104.8mm	3	3727499	3.000in./76.2mm	5	3911001	3.250in./82.6mm	7	N853638	4.000in./101.6mm	9
49525B	4.250in./108mm	3	3727499	3.000in./76.2mm	6	3911011	3.250in./82.6mm	7	N3941352	3.600in./91.4mm	1
49528E	4.250in./108mm	3	3729449	3.000in./76.2mm	5	3912335	3.484in./88.5mm	7			

CHRIS CRAFT (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	181 CID (3.0L) 181FL,181FLV Chevrolet 4 Cyl			4.000in./101.6mm x 3.600in./91.4mm				1
Rod Bearing(4)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(4)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(4)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(4)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1733P MB-3135P MB-2588P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2983/2.2993	0.0006/0.0036 0.0006/0.0036	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.0090
Cam Bearing Set 1-2-3	AL-3	SH-1030S SH-400	STD,10	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
C/S Forging N140966, N3941352								
6 CYL								
2	225 CID (3.7L) 225B,225BVC Buick V6 Cyl			3.750in./95.3mm x 3.400in./86.4mm				2
Rod Bearing(6)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set 1-3 2 4	TM-77	MS-960P MB-2433P MB-2434P(F) MB-2491P	STD,1,10,20,30	2.4990/2.5000 2.4990/2.5000 2.4990/2.5000	0.0005/0.0034 0.0005/0.0034 0.0005/0.0034	0.0935 0.0935 0.0935	2.6870/2.6880 2.6870/2.6880 2.6870/2.6880	0.8690 1.0580 0.8690
Main Bearing Set 1-3 2 4	TM-77	MS-1688P-10 MB-2433P MB-3063P(F) MB-2491P	20,30	2.4990/2.5000 2.4990/2.5000 2.4990/2.5000	0.0005/0.0034 0.0005/0.0034 0.0005/0.0034	0.0935 0.0935 0.0935	2.6870/2.6880 2.6870/2.6880 2.6870/2.6880	0.8690 1.0780 0.8690
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-3 2 4	TM-77	MS-1690P-20 MB-2433P MB-3064P(F) MB-2491P	30	2.4990/2.5000 2.4990/2.5000 2.4990/2.5000	0.0005/0.0034 0.0005/0.0034 0.0005/0.0034	0.0935 0.0935 0.0935	2.6870/2.6880 2.6870/2.6880 2.6870/2.6880	0.8690 1.0980 0.8690
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-3 2 4	TM-77	MS-1747P-10 MB-2433P MB-3125P(F) MB-2491P	20,30	2.4990/2.5000 2.4990/2.5000 2.4990/2.5000	0.0005/0.0034 0.0005/0.0034 0.0005/0.0034	0.0935 0.0935 0.0935	2.6870/2.6880 2.6870/2.6880 2.6870/2.6880	0.8690 1.0680 0.8690
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3 4	B-1	SH-506S SH-506 SH-363 SH-364 SH-365	STD	1.7550/1.7560 1.7250/1.7260 1.6950/1.6960 1.6650/1.6660	0.0010/0.0060 0.0010/0.0060 0.0010/0.0060 0.0010/0.0060	0.0643 0.0643 0.0643 0.0643	1.8855/1.8875 1.8555/1.8575 1.8255/1.8275 1.7955/1.7975	0.7600 0.7600 0.7600 0.7600
Rod Forging	201, 220, 673, 763, 779, 1357201, 1357333, 1377248, 25509405							
C/S Forging	230277, 230278, 230378, 378354, 1254083, 1255645, 1255646, 1255674, 1255846, 1255862, 1257125, 1260877, 1261438, 1261787, 1357898, 1378351, 1378354, 25505554, 25506397, 25506818, 25509404, 25514290, 25520329							
Connecting Rod	30 To 40 Lbs.Ft.							
Main Bearing	65 To 70 Lbs.Ft. (Thru 1964)							
Main Bearing	95 To 120 Lbs.Ft. (From 1965)							
3	230 CID (3.8L) QXD Hercules 6 Cyl			3.438in./87.33mm x 4.125in./104.8mm				3
	237 CID (3.9L) QXLD Hercules 6 Cyl			3.438in./87.33mm x 4.250in./108mm				3
Rod Bearing(6)	TM-112	CB-341P	STD,10,20	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.0280
Cam Bearing Set 1-4 2-3	B-1	SH-322S SH-322 SH-323	STD	1.7490/1.7500 1.7490/1.7500	0.0020/0.0050 0.0020/0.0050	0.0617 0.0617	1.8750/1.8755 1.8750/1.8755	1.0340 0.5650
C/S Forging 41026, 41026B, 46827E, 46828B, 46828E, 46829B, 46829E, 46831E, 46839E, 47830D, 49525B, 49528E, 220825E								
Connecting Rod	53 To 56 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
4	262 CID (4.3L) 185MR,205,262,262 King Cobra,4.3 Litre,MCM175,MCM185, MCM205 Chevrolet V6 Cyl			4.000in./101.6mm x 3.484in./88.5mm				4
Rod Bearing(6)	AL-5	CB-1358A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	TM-77	CB-1358P	STD,1,10,20,30,40	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530

CHRIS CRAFT (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
4 (Cont.)	262 CID (4.3L) 185MR,205,262,262 King Cobra,4.3 Litre,MCM175,MCM185, MCM205 Chevrolet V6 Cyl				4.000in./101.6mm x 3.484in./88.5mm			4 (Cont.)
Rod Bearing(6)	AL-5	CB-1794A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1794P-10	20,30,40	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3	AL-5	MS-1454A-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508A		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
		MB-2509A(F)						
Main Bearing Set 1-2-3	TM-77	MS-1454P	STD,1,10,20,30,40	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
		MB-2509P(F)						
Main Bearing Set 1-2-3	TM-77	MS-1628P-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
		MB-2981P(F)						
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3	TM-77	MS-1684P-20		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
		MB-3060P(F)						
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3	TM-77	MS-2215P-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
		MB-3119P(F)						
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1	AL-3	SH-1350S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-4		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
		SH-1351						
NOTE: Except Engines Stamped With Identification Number Located On Front Of Block Starting With "T"								
Cam Bearing Set 1-4	AL-3	SH-1351S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
3		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
		SH-1350						
NOTE: Engines Stamped With Identification Number On Front Of Block Starting With "T"								
Connecting Rod	45 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							
8 CYL								
5	283 CID (4.6L) 283,283F,283FL,283FLV,283H,283HL,283L,283M,283ML Chevrolet V8 Cyl				3.875in./98.4mm x 3.000in./76.2mm			5
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set 1-2-3-4	TM-77	MS-429P	STD,1,10,20,30,40	2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
5		MB-3135P		2.2978/2.2988	0.0011/0.0041	0.0955	2.4906/2.4916	1.7180
		MB-1769P(F)						
Cam Bearing Set 1	B-1	SH-287S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-288		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
5		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
		SH-289						
NOTE: Thru 1963								
Cam Bearing Set 1	B-1	SH-290S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-288		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
		SH-287						
NOTE: From 1964								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
		SH-1352						
NOTE: From 1964,Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
		SH-1401						
NOTE: From 1964,Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								

CHRIS CRAFT (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
5 (Cont.)	283 CID (4.6L) 283,283F,283FL,283FLV,283H,283HL,283L,283M,283ML Chevrolet V8 Cyl				3.875in./98.4mm x 3.000in./76.2mm			5 (Cont.)
Rod Forging	3703526, 3703527, 3784000, 3815281							
C/S Forging	1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft. (2.298" Diameter Main Bearing Journals)							
6	302 CID (5.0L) 302FLV Chevrolet V8 Cyl				4.000in./101.6mm x 3.000in./76.2mm			6
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
NOTE: 2.000" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-429P	STD,1,10,20,30,40					
1-2-3-4		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
5		MB-1769P(F)		2.2978/2.2988	0.0011/0.0041	0.0955	2.4906/2.4916	1.7180
NOTE: 2.298" Diameter Main Bearing Journals								
Main Bearing Set	AL-5	MS-909A-10	20,30					
1-2-3-4		MB-2508A		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: 2.448" Diameter Main Bearing Journals								
Main Bearing Set	TM-77	MS-909P	STD,1,2,10,20,30,40,C60					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: 2.448" Diameter Main Bearing Journals, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1626P-10	20,30,40					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: 2.448" Diameter Main Bearing Journals, Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1683P-20						
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-3060P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: 2.448" Diameter Main Bearing Journals, Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1744P-10	20,30					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-3119P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: 2.448" Diameter Main Bearing Journals, Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-290S	STD,10					
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: From 1964								
Cam Bearing Set	AL-3	SH-1349S	STD					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: From 1964,Heavy Duty Engine								
Cam Bearing Set	AL-3	SH-1352S	STD					
1-2-3-4-5		SH-1352		1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: From 1964,Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								

CHRIS CRAFT (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
6 (Cont.)	302 CID (5.0L) 302FLV Chevrolet V8 Cyl			4.000in./101.6mm x 3.000in./76.2mm				6 (Cont.)
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3703526, 3703527, 3784000, 3815281 1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3923278, 3941176, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft. (2.448" Diameter Main Bearing Journals)							
Main Bearing	80 Lbs.Ft. (2.298" Diameter Main Bearing Journals)							
7	305 CID (5.0L) 305GLV,305K,305KC,305KCL,305KL Chevrolet V8 Cyl			3.736in./95mm x 3.484in./88.5mm				7
	307 CID (5.0L) 307G,307GB,307GC,307GCB,307GCL,307GCLV,307GL,307GLV, 307K,307KB,307KC,307KCB,307KCL,307KL,307Q,307QA,307QAL,307QB, 307QL,307QLV Chevrolet V8 Cyl			3.875in./98.4mm x 3.250in./82.6mm				
	327 CID (5.4L) 327F,327FL,327Q,327QA,327QAL,327QL,327QLV Chevrolet V8 Cyl			4.000in./101.6mm x 3.250in./82.6mm				
	350 CID (5.7L) 350FLV,350G,350GB,350GL,350GLV,350K,350KL,350Q,350QB, 350QL,350QLV Chevrolet V8 Cyl			4.000in./101.6mm x 3.484in./88.5mm				
	350 CID (5.7L) 350QAL Chevrolet V8 Cyl			4.000in./101.6mm x 3.438in./87.33mm				
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4 5	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: 2.448" Diameter Main Bearing Journals								
Main Bearing Set 1-2-3-4 5	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: 2.448" Diameter Main Bearing Journals, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: 2.448" Diameter Main Bearing Journals, Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: 2.448" Diameter Main Bearing Journals, Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: 2.448" Diameter Main Bearing Journals, Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: From 1964								

CHRIS CRAFT (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
7 (Cont.)	305 CID (5.0L) 305GLV,305K,305KC,305KCL,305KL Chevrolet V8 Cyl				3.736in./95mm x 3.484in./88.5mm			7 (Cont.)
	307 CID (5.0L) 307G,307GB,307GC,307GCB,307GCL,307GCLV,307GL,307GLV, 307K,307KB,307KC,307KCB,307KCL,307KL,307Q,307QA,307QAL,307QB, 307QL,307QLV Chevrolet V8 Cyl				3.875in./98.4mm x 3.250in./82.6mm			
	327 CID (5.4L) 327F,327FL,327Q,327QA,327QAL,327QL,327QLV Chevrolet V8 Cyl				4.000in./101.6mm x 3.250in./82.6mm			
	350 CID (5.7L) 350FLV,350G,350GB,350GL,350GLV,350K,350KL,350Q,350QB, 350QL,350QLV Chevrolet V8 Cyl				4.000in./101.6mm x 3.484in./88.5mm			
	350 CID (5.7L) 350QAL Chevrolet V8 Cyl				4.000in./101.6mm x 3.438in./87.33mm			
Cam Bearing Set 1	AL-3	SH-1349S	STD					
2-5		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
3-4		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: From 1964,Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S	STD					
		SH-1352		1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: From 1964,Overize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S	STD					
		SH-1401		1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: From 1964,Overize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3185281, 3703526, 3703527, 3784000, 3815281, 3892671, 3916396, 3923282, 3946841							
C/S Forging	1130, 1178, 1182, 2680, 2690, 3279, 4577, 4672, 306275, 306276, 310514, 3732444, 3782680, 3782690, 3815822, 3832442, 3911000, 3911001, 3911011, 391101A, 3912335, 3914681, 3914682, 3930809, 3932444, 3941172, 3941174, 3941184, 4568749, 5782680							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
8	427 CID (7.0L) Ford V8 Cyl				4.233in./107.5mm x 3.781in./96mm			8
Rod Bearing(8)	TM-77	CB-756P	STD,10,20	2.4380/2.4388	0.0024/0.0050	0.0750	2.5907/2.5915	0.7460
NOTE: Thru 1967								
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
NOTE: From 1968, Except Engines With Connecting Rod C7OE-2700A And Crankshaft C9AZ-6303D								
Rod Bearing(8)	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: From 1968, Connecting Rods With Housing Bore Resized .002" Larger Than Stock,Except Engines With Connecting Rod C7OE-2700A And Crankshaft C9AZ-6303D								
Main Bearing Set 1-2-4-5	TM-77	MS-445P	STD,10,20					
		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-1825P(F)		2.7484/2.7492	0.0007/0.0033	0.0958	2.9412/2.9420	1.1180
NOTE: Thru 1963, Contains 3.614"/3.684" Flange Diameter Flanged Bearing								
Main Bearing Set 1-2-4-5	TM-77	MS-685P	STD,1,10,20,30,40,C60					
		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2235P(F)		2.7484/2.7492	0.0009/0.0035	0.0957	2.9412/2.9420	1.1180
NOTE: From 1964,Thru 1965, .060" Undersize Set Contains .019" Oversize Length Flange Bearing,Contains 3.764"/3.824" Flange Diameter Flanged Bearing								
Main Bearing Set 1-2-4-5	TM-77	MS-863P	STD,1,10,20,30,40,C60					
		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2442P(F)		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	1.1180
NOTE: From 1966, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Cam Bearing Set 1	B-1	SH-643S	STD					
		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-643		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-644		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-645		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-646		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
NOTE: From 1966,Wedge Head Engine								

CHRIS CRAFT (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
8 (Cont.)	427 CID (7.0L) Ford V8 Cyl			4.233in./107.5mm x 3.781in./96mm				8 (Cont.)
Cam Bearing Set	B-1	SH-781S	STD,10					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-377		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-378		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-379		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-380		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
NOTE: Thru 1965								
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: Requires Light Reaming								
Connecting Rod	53 To 58 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
9	454 CID (7.4L) 454,454B,454L Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm				9
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set	AL-5	MS-829A-10	20,30					
1-2-3-4		MB-2403A		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404A(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set	TM-77	MS-829P	STD,1,10,20,30,40					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set	TM-77	MS-1745P-10	20,30					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-3120P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1748P-10	20					
1-2-3-4		MB-3123P		2.7482/2.7492	0.0007/0.0032	0.1087	2.9570/2.9580	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings, Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set	B-1	SH-616S	STD					
1		SH-615		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	3521, 7416, 353039, 359730, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							

CHRYSLER MARINE

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL			6 CYL (Cont.)		
M109 Volvo 109 CID/1780CC (1.8L)	3.313in./84.2mmX3.150in./80mm	1	M37 Chrysler 251 CID (4.1L)	3.438in./87.3mmX4.500in./114.3mm	8
M122 Volvo 122 CID (2.0L)	3.500in./88.9mmX3.150in./80mm	2	M46 Chrysler 230 CID (3.8L)	3.250in./82.6mmX4.625in./117.5mm	6
6 CYL			M46-4 Chrysler 230 CID (3.8L)	3.250in./82.6mmX4.625in./117.5mm	6
198 Chrysler 198 CID (3.2L)	3.400in./86.4mmX3.641in./92.5mm	3	M46S Chrysler 230 CID (3.8L)	3.250in./82.6mmX4.625in./117.5mm	6
ACE Chrysler 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	5	M46S-4 Chrysler 230 CID (3.8L)	3.250in./82.6mmX4.625in./117.5mm	6
HC170 Chrysler 170 CID (2.8L)	3.400in./86.4mmX3.125in./79.4mm	3	M47 Chrysler 265 CID (4.3L)	3.438in./87.3mmXin./mm	8
M6 Chrysler 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	6	M47-3 Chrysler 265 CID (4.3L)	3.438in./87.3mmXin./mm	8
M7 Chrysler 251 CID (4.1L)	3.438in./87.3mmX4.500in./114.3mm	8	M47-4 Chrysler 265 CID (4.3L)	3.438in./87.3mmXin./mm	8
M16 Chrysler 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	6	M47S Chrysler 265 CID (4.3L)	3.438in./87.3mmXin./mm	8
M17 Chrysler 251 CID (4.1L)	3.438in./87.3mmX4.500in./114.3mm	8	M170A Chrysler 170 CID (2.8L)	3.400in./86.4mmX3.125in./79.4mm	3
M26 Chrysler 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	6	M170D Chrysler 170 CID (2.8L)	3.400in./86.4mmX3.125in./79.4mm	3
M27 Chrysler 251 CID (4.1L)	3.438in./87.3mmX4.500in./114.3mm	8	M225A Chrysler 225 CID (3.7L)	3.400in./86.4mmX4.125in./104.8mm	7
M36 Chrysler 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	6	M225D Chrysler 225 CID (3.7L)	3.400in./86.4mmX4.125in./104.8mm	7
			M265 Chrysler 265 CID (4.3L)	3.438in./87.3mmX4.750in./120.7mm	8

CHRYSLER MARINE (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			8 CYL (Cont.)		
MH225D Chrysler 225 CID (3.7L)	3.400in./86.4mmX4.125in./104.8mm	7	M318G Chrysler 318 CID (5.2L)	3.910in./99.3mmX3.313in./84.2mm	10
PC Chrysler 201 CID (3.3L)	3.125in./79.4mmX4.375in./111.1mm	4	M340 Chrysler 340 CID (5.6L)	4.040in./102.6mmX3.313in./84.2mm	12
8 CYL			M360 Chrysler 360 CID (5.9L)	4.000in./101.6mmX3.578in./90.8mm	13
M45-S Chrysler 331 CID (5.4L)	3.813in./96.9mmX3.625in./92.1mm	11	M383 Chrysler 383 CID (6.3L)	4.250in./108mmX3.375in./85.7mm	15
M80 Chrysler 318 CID (5.2L)	3.910in./99.3mmX3.313in./84.2mm	10	M383B Chrysler 383 CID (6.3L)	4.250in./108mmX3.375in./85.7mm	15
M80A Chrysler 318 CID (5.2L)	3.910in./99.3mmX3.313in./84.2mm	10	M400 Chrysler 400 CID (6.6L)	4.342in./110.3mmX3.375in./85.7mm	14
M81 Chrysler 361 CID (5.9L)	4.125in./104.8mmX3.375in./85.7mm	14	M413 Chrysler 413 CID (6.8L)	4.188in./106.4mmX3.750in./95.3mm	16
M81 Imperial Chrysler 361 CID (5.9L)	4.125in./104.8mmX3.375in./85.7mm	14	M413B Chrysler 413 CID (6.8L)	4.188in./106.4mmX3.750in./95.3mm	16
M273 Chrysler 273 CID (4.5L)	3.625in./92.1mmX3.313in./84.2mm	9	M413D Chrysler 413 CID (6.8L)	4.188in./106.4mmX3.750in./95.3mm	16
M273A Chrysler 273 CID (4.5L)	3.625in./92.1mmX3.313in./84.2mm	9	M413E Chrysler 413 CID (6.8L)	4.188in./106.4mmX3.750in./95.3mm	16
M318 Chrysler 318 CID (5.2L)	3.910in./99.3mmX3.313in./84.2mm	10	M426 Chrysler 426 CID (7.0L)	4.250in./108mmX3.750in./95.3mm	17
M318B Chrysler 318 CID (5.2L)	3.910in./99.3mmX3.313in./84.2mm	10	M426B Chrysler 426 CID (7.0L)	4.250in./108mmX3.750in./95.3mm	17
M318C Chrysler 318 CID (5.2L)	3.910in./99.3mmX3.313in./84.2mm	10	M426D Chrysler 426 CID (7.0L)	4.250in./108mmX3.750in./95.3mm	17
			M440 Chrysler 440 CID (7.2L)	4.320in./109.7mmX3.750in./95.3mm	16

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
699	3.313in./84.2mm	9	666746	4.500in./114.3mm	8	1554471	4.375in./111.1mm	6	2205554	3.125in./79.4mm	3
699	3.313in./84.2mm	10	666746	4.750in./120.7mm	8	1554471	4.625in./117.5mm	6	2205554	4.125in./104.8mm	7
782	3.313in./84.2mm	9	666746		8	1554530	4.375in./111.1mm	5	2406395	3.750in./95.3mm	17
782	3.313in./84.2mm	10	868896	4.375in./111.1mm	5	1554530	4.375in./111.1mm	6	2406395	3.750in./95.3mm	16
9300	4.375in./111.1mm	5	868896	4.375in./111.1mm	6	1554530	4.625in./117.5mm	6	2406782	3.313in./84.2mm	9
9300	4.375in./111.1mm	6	868896	4.625in./117.5mm	6	1618699	3.313in./84.2mm	9	2406782	3.313in./84.2mm	10
9410	4.375in./111.1mm	5	952118	4.375in./111.1mm	5	1618699	3.313in./84.2mm	10	2406782	3.375in./85.7mm	15
9410	4.375in./111.1mm	6	952118	4.375in./111.1mm	6	1618699	3.375in./85.7mm	15	2406782	3.375in./85.7mm	14
9410	4.625in./117.5mm	6	952118	4.625in./117.5mm	6	1618699	3.375in./85.7mm	14	2406886	3.750in./95.3mm	17
9414	4.625in./117.5mm	6	954371	4.625in./117.5mm	6	1737692	3.375in./85.7mm	15	2406886	3.750in./95.3mm	16
15134N	3.641in./92.5mm	3	954408	4.375in./111.1mm	5	1737692	3.375in./85.7mm	14	2899496	3.313in./84.2mm	12
15134N	3.125in./79.4mm	3	954408	4.375in./111.1mm	6	1821345	3.625in./92.1mm	11	2951260	3.641in./92.5mm	3
15134N	4.125in./104.8mm	7	954408	4.625in./117.5mm	6	1851535	3.375in./85.7mm	15	2951260	3.125in./79.4mm	3
15140	3.641in./92.5mm	3	954418	4.500in./114.3mm	8	1851535	3.375in./85.7mm	14	2951260	4.125in./104.8mm	7
15140	3.125in./79.4mm	3	954418	4.750in./120.7mm	8	1851535	3.750in./95.3mm	17	2951908	3.375in./85.7mm	15
15140	4.125in./104.8mm	7	954418		8	1851535	3.625in./92.1mm	11	2951908	3.375in./85.7mm	14
291260	3.641in./92.5mm	3	954428	4.500in./114.3mm	8	1851535	3.750in./95.3mm	16	2951908	3.750in./95.3mm	17
617925	4.375in./111.1mm	5	954428	4.750in./120.7mm	8	1947167	3.641in./92.5mm	3	2951908	3.750in./95.3mm	16
617925	4.375in./111.1mm	6	954428		8	1947167	3.125in./79.4mm	3	3418645	3.313in./84.2mm	10
617925	4.625in./117.5mm	6	1324222	3.625in./92.1mm	11	1947167	4.125in./104.8mm	7	3418645	3.313in./84.2mm	12
665679	4.500in./114.3mm	8	1400244	4.500in./114.3mm	8	1947952	3.641in./92.5mm	3	3751142N	3.641in./92.5mm	3
665679	4.750in./120.7mm	8	1400244	4.750in./120.7mm	8	1947952	3.125in./79.4mm	3	3751142N	4.125in./104.8mm	7
665679		8	1400244		8	1947952	4.125in./104.8mm	7			
666743	4.625in./117.5mm	6	1554471	4.375in./111.1mm	5	2205554	3.641in./92.5mm	3			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3294	3.750in./95.3mm	17	1316540	4.375in./111.1mm	5	1650270	3.313in./84.2mm	10	1851527	3.375in./85.7mm	14
3294	3.750in./95.3mm	16	1316540	4.375in./111.1mm	6	1732557	3.313in./84.2mm	9	1851527	3.750in./95.3mm	17
620035	4.375in./111.1mm	5	1335001	3.625in./92.1mm	11	1732557	3.313in./84.2mm	10	1851527	3.750in./95.3mm	16
620035	4.375in./111.1mm	6	1400188	4.750in./120.7mm	8	1732559	3.313in./84.2mm	10	1855127	3.750in./95.3mm	17
665792	4.500in./114.3mm	8	1400188		8	1732610	3.313in./84.2mm	10	1855127	3.750in./95.3mm	16
666739	4.500in./114.3mm	8	1400718	4.750in./120.7mm	8	1737641	3.375in./85.7mm	15	1978698	3.750in./95.3mm	17
673498	4.500in./114.3mm	8	1400718		8	1737641	3.375in./85.7mm	14	1978698	3.750in./95.3mm	16
762706	4.500in./114.3mm	8	1409421	3.625in./92.1mm	11	1737642	3.375in./85.7mm	15	2121654	3.125in./79.4mm	3
856080	4.375in./111.1mm	5	1419421	3.625in./92.1mm	11	1737642	3.375in./85.7mm	14	2128278	3.313in./84.2mm	9
856080	4.375in./111.1mm	6	1523335	3.625in./92.1mm	11	1737642	3.750in./95.3mm	17	2128278	3.313in./84.2mm	10
863706	4.500in./114.3mm	8	1557708	4.625in./117.5mm	6	1737642	3.750in./95.3mm	16	2128492	4.125in./104.8mm	7
864718	4.500in./114.3mm	8	1617184	3.625in./92.1mm	11	1739589	4.625in./117.5mm	6	2128869	3.313in./84.2mm	9
864718	4.625in./117.5mm	6	1619647	3.625in./92.1mm	11	1821436	3.750in./95.3mm	17	2128869	3.313in./84.2mm	10
864719	4.375in./111.1mm	5	1626123	3.313in./84.2mm	9	1821436	3.750in./95.3mm	16	2203155	3.375in./85.7mm	15
864719	4.375in./111.1mm	6	1626123	3.313in./84.2mm	10	1826123	3.313in./84.2mm	9	2203155	3.375in./85.7mm	14
868929	4.625in./117.5mm	6	1630270	3.313in./84.2mm	9	1826123	3.313in./84.2mm	10	2203157	3.375in./85.7mm	15
870715	4.500in./114.3mm	8	1630270	3.313in./84.2mm	10	1826129	3.313in./84.2mm	9	2203157	3.375in./85.7mm	14
870744	4.500in./114.3mm	8	1630276	3.313in./84.2mm	9	1826129	3.313in./84.2mm	10	2205554	4.125in./104.8mm	7
952068	4.375in./111.1mm	5	1630276	3.313in./84.2mm	10	1830276	3.313in./84.2mm	9	2205700	3.313in./84.2mm	9
952068	4.375in./111.1mm	6	1635690	3.625in./92.1mm	11	1830276	3.313in./84.2mm	10	2205700	3.313in./84.2mm	10
1185539	4.625in./117.5mm	6	1650270	3.313in./84.2mm	9	1851527	3.375in./85.7mm	15	2205700	3.313in./84.2mm	12

CHRYSLER MARINE (Cont.)**CRANKSHAFT FORGING NUMBERS (Cont.)**

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
2205702	3.313in./84.2mm	9	2264478	3.125in./79.4mm	3	2843935	4.125in./104.8mm	7	3751841	3.313in./84.2mm	10
2205702	3.313in./84.2mm	10	2264478	4.125in./104.8mm	7	2843939	3.125in./79.4mm	3	3751877	3.375in./85.7mm	15
2205702	3.313in./84.2mm	12	2264479	4.125in./104.8mm	7	2843963	4.125in./104.8mm	7	3751877	3.375in./85.7mm	14
2206157	3.375in./85.7mm	15	2268613	4.125in./104.8mm	7	2951265	3.641in./92.5mm	3	3751888	3.750in./95.3mm	17
2206157	3.375in./85.7mm	14	2465747	3.313in./84.2mm	9	2951979	3.641in./92.5mm	3	3751888	3.750in./95.3mm	16
2206157	3.750in./95.3mm	17	2465747	3.313in./84.2mm	10	2954265	3.641in./92.5mm	3	3751888-5	3.750in./95.3mm	17
2206157	3.750in./95.3mm	16	2482923	3.375in./85.7mm	15	3418640	3.578in./90.8mm	13	3751888-5	3.750in./95.3mm	16
2206158	3.750in./95.3mm	17	2482923	3.375in./85.7mm	14	3418840-2	3.578in./90.8mm	13	3769307	4.125in./104.8mm	7
2206158	3.750in./95.3mm	16	2532457	3.313in./84.2mm	10	3418995	3.578in./90.8mm	13	4027169	3.578in./90.8mm	13
2206159	3.375in./85.7mm	15	2532457	3.313in./84.2mm	12	3462387	3.313in./84.2mm	10	4027172	3.375in./85.7mm	15
2206159	3.375in./85.7mm	14	2543935	4.125in./104.8mm	7	3462387	3.313in./84.2mm	12	4027172	3.375in./85.7mm	14
2206160	3.750in./95.3mm	17	2658268	3.313in./84.2mm	9	3462923	3.375in./85.7mm	15	4027175	3.750in./95.3mm	17
2206160	3.750in./95.3mm	16	2658268	3.313in./84.2mm	10	3462923	3.375in./85.7mm	14	4027175	3.750in./95.3mm	16
2258393	3.313in./84.2mm	9	2658278	3.313in./84.2mm	9	3482387	3.313in./84.2mm	9	4095246	4.125in./104.8mm	7
2258393	3.313in./84.2mm	10	2658278	3.313in./84.2mm	10	3482387	3.313in./84.2mm	10	7501366	4.125in./104.8mm	7
2258613	4.125in./104.8mm	7	2658393	3.313in./84.2mm	10	3698641	3.750in./95.3mm	17	8698461	3.750in./95.3mm	17
2263611	3.125in./79.4mm	3	2658998	4.125in./104.8mm	7	3698641	3.750in./95.3mm	16	8698461	3.750in./95.3mm	16
2264182	3.313in./84.2mm	9	2843868	3.313in./84.2mm	9	3698966	4.125in./104.8mm	7			
2264182	3.313in./84.2mm	10	2843868	3.313in./84.2mm	10	3751841	3.313in./84.2mm	9			

COUNTER DATA**SHOP DATA**

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	109 CID/1780CC (1.8L) M109 Volvo 4 Cyl						3.313in./84.2mm x 3.150in./80mm	1

Rod Bearing(4)	TM-77	CB-734P	STD,10	2.1299/2.1303	0.0017/0.0036	0.0725	2.2765/2.2770	1.0620

Main Bearing Set	TM-77	MS-813P	STD,10,20					
1-2-3-4		MB-2373P		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.1000
5		MB-2374P(F)		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.5320

NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing,.020" Undersize Set Contains .008" Oversize Length Flanged Bearing

Main Bearing Set	TM-77	MS-2089P-10	20					
1-2-3-4		MB-2373P		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.1000
5		MB-3585P(F)		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.5320

NOTE: All Sizes Contain Standard Length Flanged Bearing

Connecting Rod	38 To 42 Lbs.Ft.
Main Bearing	87 To 94 Lbs.Ft.

2	122 CID (2.0L) M122 Volvo 4 Cyl						3.500in./88.9mm x 3.150in./80mm	2

Rod Bearing(4)	TM-77	CB-734P	STD,10	2.1299/2.1303	0.0017/0.0036	0.0725	2.2765/2.2770	1.0620

NOTE: Thru 1973

Rod Bearing(4)	TM-77	CB-1137P	STD,10,20,30	2.1255/2.1260	0.0015/0.0033	0.0783	2.2835/2.2840	0.9450

NOTE: From 1974

Main Bearing Set	TM-77	MS-813P	STD,10,20					
1-2-3-4		MB-2373P		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.1000
5		MB-2374P(F)		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.5320

NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing,.020" Undersize Set Contains .008" Oversize Length Flanged Bearing

Main Bearing Set	TM-77	MS-2089P-10	20					
1-2-3-4		MB-2373P		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.1000
5		MB-3585P(F)		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.5320

NOTE: All Sizes Contain Standard Length Flanged Bearing

Connecting Rod	38 To 42 Lbs.Ft.
Main Bearing	87 To 94 Lbs.Ft.

6 CYL

3	170 CID (2.8L) HC170,M170A,M170D Chrysler 6 Cyl						3.400in./86.4mm x 3.125in./79.4mm	3
	198 CID (3.2L) 198 Chrysler 6 Cyl						3.400in./86.4mm x 3.641in./92.5mm	

Rod Bearing(6)	TM-77	CB-606G	STD,1,10,20,30,40,60	2.1865/2.1875	0.0007/0.0028	0.0624	2.3125/2.3130	0.9900

NOTE: Forged Crankshaft

Rod Bearing(6)	TM-77	CB-1214AL	STD,2,10,20,30,40	2.1865/2.1875	0.0004/0.0029	0.0623	2.3125/2.3130	0.7200

NOTE: Cast Iron Crankshaft

CHRYSLER MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
3 (Cont.)	170 CID (2.8L) HC170,M170A,M170D Chrysler 6 Cyl			3.400in./86.4mm x 3.125in./79.4mm				3 (Cont.)
	198 CID (3.2L) 198 Chrysler 6 Cyl			3.400in./86.4mm x 3.641in./92.5mm				
Main Bearing Set	TM-77	MS-517P	STD,10,20,30,40					
1		MB-1999P		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.0390
2-4		MB-2001P		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.0390
3		MB-2000P(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.2550
NOTE: Forged Crankshaft								
Main Bearing Set	TM-77	MS-1419AL	STD,10,20,30					
1-2-4		MB-2731AL		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	0.8820
3		MB-2732AL(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.1080
NOTE: Cast Iron Crankshaft								
Cam Bearing Set	B-1	SH-874S	STD					
1		SH-874		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.9300
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-424		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.7600
4		SH-425		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
Piston Pin Bushing(6)	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400
NOTE: Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400
NOTE: Requires Boring								
Rod Forging	15140, 15134N, 291260, 1947167, 1947952, 2205554, 2951260, 3751142N							
C/S Forging	2121654, 2263611, 2264478, 2843939, 2951265, 2951979, 2954265							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
4	201 CID (3.3L) PC Chrysler 6 Cyl			3.125in./79.4mm x 4.375in./111.1mm				4
Cam Bearing Set	B-1	SH-23S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-24		1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820
3		SH-25		1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
5	218 CID (3.6L) ACE Chrysler 6 Cyl			3.250in./82.6mm x 4.375in./111.1mm				5
Rod Bearing(6)	TM-77	CB-60G	STD,10,20,30,40,50,60	2.0615/2.0625	0.0006/0.0027	0.0525	2.1675/2.1680	1.0050
Main Bearing Set	TM-77	MS-523P-10	20,30,C60					
1		MB-2011P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.2400
2-3		MB-2012P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.0360
4		MB-122P(F)		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-23S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-24		1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820
3		SH-25		1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820
Rod Forging	9300, 9410, 617925, 868896, 952118, 954408, 1554471, 1554530							
C/S Forging	620035, 856080, 864719, 952068, 1316540							
Connecting Rod	45 To 50 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	50 To 75 Lbs.Ft. (7/16" Bolts)							
Main Bearing	80 To 85 Lbs.Ft.							
6	218 CID (3.6L) M16,M26,M36,M6 Chrysler 6 Cyl			3.250in./82.6mm x 4.375in./111.1mm				6
	230 CID (3.8L) M46,M46-4,M46S,M46S-4 Chrysler 6 Cyl			3.250in./82.6mm x 4.625in./117.5mm				
Rod Bearing(6)	TM-77	CB-60G	STD,10,20,30,40,50,60	2.0615/2.0625	0.0006/0.0027	0.0525	2.1675/2.1680	1.0050
Main Bearing Set	TM-77	MS-523P-10	20,30,C60					
1		MB-2011P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.2400
2-3		MB-2012P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.0360
4		MB-122P(F)		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.8710

CHRYSLER MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
6 (Cont.)	218 CID (3.6L) M16,M26,M36,M6 Chrysler 6 Cyl				3.250in./82.6mm x 4.375in./111.1mm			6
	230 CID (3.8L) M46,M46-4,M46S,M46S-4 Chrysler 6 Cyl				3.250in./82.6mm x 4.625in./117.5mm			(Cont.)
Cam Bearing Set	B-1	SH-23S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-24		1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820
3		SH-25		1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	9300, 9410, 9414, 617925, 666743, 868896, 952118, 954371, 954408, 1554471, 1554530							
C/S Forging	620035, 856080, 864718, 864719, 868929, 952068, 1185539, 1316540, 1557708, 1739589							
Connecting Rod	45 To 50 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	50 To 75 Lbs.Ft. (7/16" Bolts)							
Main Bearing	80 To 85 Lbs.Ft.							
7	225 CID (3.7L) M225A,M225D,MH225D Chrysler 6 Cyl				3.400in./86.4mm x 4.125in./104.8mm			7
Rod Bearing(6)	TM-77	CB-606G	STD,1,10,20,30,40,60	2.1865/2.1875	0.0007/0.0028	0.0624	2.3125/2.3130	0.9900
NOTE: Forged Crankshaft								
Rod Bearing(6)	TM-77	CB-1214AL	STD,2,10,20,30,40	2.1865/2.1875	0.0004/0.0029	0.0623	2.3125/2.3130	0.7200
NOTE: Cast Iron Crankshaft								
Main Bearing Set	TM-77	MS-517P	STD,10,20,30,40					
1		MB-1999P		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.0390
2-4		MB-2001P		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.0390
3		MB-2000P(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.2550
NOTE: Forged Crankshaft								
Main Bearing Set	TM-77	MS-1419AL	STD,10,20,30					
1-2-4		MB-2731AL		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	0.8820
3		MB-2732AL(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.1080
NOTE: Cast Iron Crankshaft								
Cam Bearing Set	B-1	SH-874S	STD					
1		SH-874		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.9300
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-424		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.7600
4		SH-425		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
NOTE: Thru 1978								
Cam Bearing Set	B-1	SH-1115S	STD					
1		SH-1115		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7900
2		SH-1116		1.9820/1.9830	0.0025/0.0065	0.0640	2.1135/2.1145	0.6300
3		SH-1117		1.9670/1.9680	0.0025/0.0065	0.0640	2.0985/2.0995	0.6300
4		SH-425		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
NOTE: From 1979								
Piston Pin Bushing(6)	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400
NOTE: Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400
NOTE: Requires Boring								
Rod Forging	15140, 15134N, 1947167, 1947952, 2205554, 2951260, 3751142N							
C/S Forging	2128492, 2205554, 2258613, 2264478, 2264479, 2268613, 2543935, 2658998, 2843935, 2843963, 3698966, 3769307, 4095246, 7501366							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
8	251 CID (4.1L) M17,M27,M37,M7 Chrysler 6 Cyl				3.438in./87.3mm x 4.500in./114.3mm			8
	265 CID (4.3L) M47,M47-3,M47-4,M47S Chrysler 6 Cyl				3.438in./87.3mm x			
	265 CID (4.3L) M265 Chrysler 6 Cyl				3.438in./87.3mm x 4.750in./120.7mm			
Rod Bearing(6)	TM-77	CB-90P	STD,1,10,20,30,40,C60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	1.0850
Main Bearing Set	TM-77	MS-107P	STD,10,20					
1-2-3		MB-327P		2.4995/2.5005	0.0011/0.0036	0.0776	2.6565/2.6570	1.1810
4		MB-328P(F)		2.4995/2.5005	0.0017/0.0042	0.0774	2.6565/2.6570	1.8710

CHRYSLER MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
8 (Cont.)	251 CID (4.1L) M17,M27,M37,M7 Chrysler 6 Cyl 265 CID (4.3L) M47,M47-3,M47-4,M47S Chrysler 6 Cyl 265 CID (4.3L) M265 Chrysler 6 Cyl				3.438in./87.3mm x 4.500in./114.3mm 3.438in./87.3mm x 3.438in./87.3mm x 4.750in./120.7mm			8 (Cont.)
Cam Bearing Set 1	B-1	SH-37S	STD	1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-23		1.9665/1.9675	0.0005/0.0045	0.0652	2.0985/2.0995	1.0700
3		SH-37		1.9350/1.9360	0.0005/0.0044	0.0653	2.0670/2.0680	1.0690
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring, 1.066" Outside Diameter								
Rod Forging	665679, 666746, 954418, 954428, 1400244							
C/S Forging	665792, 666739, 673498, 762706, 863706, 864718, 870715, 870744, 1400188, 1400718							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 80 To 85 Lbs.Ft.							
8 CYL								
9	273 CID (4.5L) M273,M273A Chrysler V8 Cyl				3.625in./92.1mm x 3.313in./84.2mm			9
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0002/0.0027	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4	TM-77	MS-540P	STD,10,20,30,40	2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
3		MB-2035P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.1520
5		MB-2036P(F)		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
		MB-2559P						
Cam Bearing Set 1	B-1	SH-875S	STD	1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-875		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
3		SH-326		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
4		SH-327		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
5		SH-328		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
Piston Pin Bushing(8)	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400
NOTE: Requires Light Reaming								
Piston Pin Bushing(8)	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400
NOTE: Requires Boring								
Rod Forging	699, 782, 1618699, 2406782							
C/S Forging	1626123, 1630270, 1630276, 1650270, 1732557, 1826123, 1826129, 1830276, 2128827, 2128869, 2205700, 2205702, 2258393, 2264182, 2465747, 2658268, 2658278, 2843868, 3482387, 3751841							
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 80 To 85 Lbs.Ft.							
10	318 CID (5.2L) M318,M318B,M318C,M318G,M80,M80A Chrysler V8 Cyl				3.910in./99.3mm x 3.313in./84.2mm			10
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0002/0.0027	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4	TM-77	MS-540P	STD,10,20,30,40	2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
3		MB-2035P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.1520
5		MB-2036P(F)		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
		MB-2559P						
NOTE: Thru 1973								
Main Bearing Set 1-2-4	TM-77	MS-1344P	STD,10,20,30	2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
3		MB-2283P		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.1520
5		MB-2620P(F)		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
		MB-2559P						
NOTE: From 1974								

CHRYSLER MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
10 (Cont.)	318 CID (5.2L) M318,M318B,M318C,M318G,M80,M80A Chrysler V8 Cyl				3.910in./99.3mm x 3.313in./84.2mm			10 (Cont.)
Cam Bearing Set	B-1	SH-875S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-326		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
3		SH-327		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
4		SH-328		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
NOTE: Thru 1978								
Cam Bearing Set	B-1	SH-1112S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-1112		1.9820/1.9830	0.0015/0.0055	0.0645	2.1135/2.1145	0.6300
3		SH-1113		1.9670/1.9680	0.0015/0.0055	0.0645	2.0985/2.0995	0.6300
4		SH-1114		1.9510/1.9520	0.0015/0.0055	0.0645	2.0825/2.0835	0.6300
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
NOTE: From 1979								
Piston Pin Bushing(8)	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400
NOTE: Requires Light Reaming								
Piston Pin Bushing(8)	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400
NOTE: Requires Boring								
Rod Forging	699, 782, 1618699, 2406782, 3418645							
C/S Forging	1626123, 1630270, 1630276, 1650270, 1732557, 1732559, 1732610, 1826123, 1826129, 1830276, 2128278, 2128869, 2205700, 2205702, 2258393, 2264182, 2465747, 2532457, 2658268, 2658278, 2658393, 2843868, 3462387, 3482387, 3751841							
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 85 Lbs.Ft.							
11	331 CID (5.4L) M45-S Chrysler V8 Cyl				3.813in./96.9mm x 3.625in./92.1mm			11
Cam Bearing Set	B-1	SH-313S	STD					
1		SH-313		1.9980/1.9990	0.0005/0.0045	0.0650	2.1295/2.1305	0.9440
2-3-4		SH-314		1.9980/1.9990	0.0005/0.0045	0.0650	2.1295/2.1305	0.8190
5		SH-315		1.4355/1.4365	0.0005/0.0045	0.0650	1.5670/1.5680	0.8820
Rod Forging	1324222, 1821345, 1851535							
C/S Forging	1335001, 1409421, 1419421, 1523335, 1617184, 1619647, 1635690							
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 80 To 85 Lbs.Ft.							
12	340 CID (5.6L) M340 Chrysler V8 Cyl				4.040in./102.6mm x 3.313in./84.2mm			12
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0002/0.0027	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-963P	STD,10,20,30					
1-2-4		MB-2283P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
3		MB-2036P(F)		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.1520
5		MB-2559P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
Cam Bearing Set	B-1	SH-875S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-326		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
3		SH-327		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
4		SH-328		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
Piston Pin Bushing(8)	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400
NOTE: Requires Light Reaming								
Piston Pin Bushing(8)	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400
NOTE: Requires Boring								
Rod Forging	2899496, 3418645							
C/S Forging	2205700, 2205702, 2532457, 3462387							
Connecting Rod Main Bearing	45 Lbs.Ft. 85 Lbs.Ft.							

CHRYSLER MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
13	360 CID (5.9L) M360 Chrysler V8 Cyl			4.000in./101.6mm x 3.578in./90.8mm				13
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0002/0.0027	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-1051P	STD,10,20,30					
1-2-4		MB-2590P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	0.8770
3		MB-2591P(F)		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.1520
5		MB-2592P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.2590
NOTE: Thru 1973								
Main Bearing Set	TM-77	MS-1266P	STD,10,20,30					
1-2-4		MB-2622P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	0.8770
3		MB-2623P(F)		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.1520
5		MB-2624P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.2590
NOTE: From 1974								
Cam Bearing Set	B-1	SH-875S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-326		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
3		SH-327		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
4		SH-328		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
NOTE: Thru 1978								
Cam Bearing Set	B-1	SH-1112S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-1112		1.9820/1.9830	0.0015/0.0055	0.0645	2.1135/2.1145	0.6300
3		SH-1113		1.9670/1.9680	0.0015/0.0055	0.0645	2.0985/2.0995	0.6300
4		SH-1114		1.9510/1.9520	0.0015/0.0055	0.0645	2.0825/2.0835	0.6300
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
NOTE: From 1979								
C/S Forging	3418640, 3418995, 4027169, 3418840-2							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
14	361 CID (5.9L) M81,M81 Imperial Chrysler V8 Cyl			4.125in./104.8mm x 3.375in./85.7mm				14
400 CID (6.6L) M400 Chrysler V8 Cyl				4.342in./110.3mm x 3.375in./85.7mm				
Rod Bearing(8)	TM-77	CB-527P	STD,1,10,20,30,40,C50,C60	2.3740/2.3750	0.0009/0.0034	0.0623	2.5000/2.5005	0.9120
Main Bearing Set	TM-77	MS-876P	STD,10,20,30,40,C60					
1-2-4-5		MB-2065P		2.6245/2.6255	0.0011/0.0036	0.0956	2.8175/2.8180	0.9490
3		MB-2456P(F)		2.6245/2.6255	0.0011/0.0036	0.0956	2.8175/2.8180	1.2240
NOTE: .060" Undersize Set Contains .010" Oversize Length Flanged Bearing,Contains Full Annular Grooved Bearings								
Cam Bearing Set	B-1	SH-876S	STD					
1		SH-876		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7600
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-404		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.6800
4		SH-405		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
5		SH-406		1.7480/1.7490	0.0005/0.0045	0.0645	1.8795/1.8805	0.7600
Rod Forging	1618699, 1737692, 1851535, 2406782, 2951908							
C/S Forging	1737641, 1737642, 1851527, 2203155, 2203157, 2206157, 2206159, 2482923, 3462923, 3751877, 4027172							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
15	383 CID (6.3L) M383,M383B Chrysler V8 Cyl			4.250in./108mm x 3.375in./85.7mm				15
Rod Bearing(8)	TM-77	CB-527P	STD,1,10,20,30,40,C50,C60	2.3740/2.3750	0.0009/0.0034	0.0623	2.5000/2.5005	0.9120
Main Bearing Set	TM-77	MS-876P	STD,10,20,30,40,C60					
1-2-4-5		MB-2065P		2.6245/2.6255	0.0011/0.0036	0.0956	2.8175/2.8180	0.9490
3		MB-2456P(F)		2.6245/2.6255	0.0011/0.0036	0.0956	2.8175/2.8180	1.2240
NOTE: .060" Undersize Set Contains .010" Oversize Length Flanged Bearing,Contains Full Annular Grooved Bearings								

CHRYSLER MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
15 (Cont.)	383 CID (6.3L) M383,M383B Chrysler V8 Cyl				4.250in./108mm x 3.375in./85.7mm			15 (Cont.)
Cam Bearing Set	B-1	SH-876S	STD					
1		SH-876		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7600
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-404		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.6800
4		SH-405		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
5		SH-406		1.7480/1.7490	0.0005/0.0045	0.0645	1.8795/1.8805	0.7600
Rod Forging	1618699, 1737692, 1851535, 2406782, 2951908							
C/S Forging	1737641, 1737642, 1851527, 2203155, 2203157, 2206157, 2206159, 2482923, 3462923, 3751877, 4027172							
Connecting Rod Main Bearing	45 Lbs.Ft. 85 Lbs.Ft.							
16	413 CID (6.8L) M413,M413B,M413D,M413E Chrysler V8 Cyl				4.188in./106.4mm x 3.750in./95.3mm			16
					4.320in./109.7mm x 3.750in./95.3mm			
Rod Bearing(8)	TM-77	CB-527P	STD,1,10,20,30,40,C50,C60	2.3740/2.3750	0.0009/0.0034	0.0623	2.5000/2.5005	0.9120
Main Bearing Set	B-2	MS-481M	STD,10,20,30					
1-2-4-5		MB-1883M		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	0.9490
3		MB-1884M(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.2240
NOTE: Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter, Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-877P	STD,10,20,30					
1-2-4-5		MB-2067P		2.7495/2.7505	0.0008/0.0033	0.0956	2.9425/2.9430	0.9490
3		MB-2457P(F)		2.7495/2.7505	0.0011/0.0036	0.0956	2.9425/2.9430	1.2240
NOTE: Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter, Full Grooved Main Bearings								
Main Bearing Set	TM-77	MS-1277P	STD,10,20,30					
1-2-4-5		MB-2067P		2.7495/2.7505	0.0008/0.0033	0.0956	2.9425/2.9430	0.9490
3		MB-2625P(F)		2.7495/2.7505	0.0011/0.0036	0.0959	2.9425/2.9430	1.2240
NOTE: Except Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter								
Cam Bearing Set	B-1	SH-876S	STD					
1		SH-876		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7600
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-404		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.6800
4		SH-405		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
5		SH-406		1.7480/1.7490	0.0005/0.0045	0.0645	1.8795/1.8805	0.7600
Rod Forging	1851535, 2406395, 2406886, 2951908							
C/S Forging	3294, 1737642, 1821436, 1851527, 1855127, 1978698, 2206157, 2206158, 2206160, 3698641, 3751888, 4027175, 8698461, 3751888-5							
Connecting Rod Main Bearing	45 Lbs.Ft. 85 Lbs.Ft.							
17	426 CID (7.0L) M426,M426B,M426D Chrysler V8 Cyl				4.250in./108mm x 3.750in./95.3mm			17
Rod Bearing(8)	TM-77	CB-527P	STD,1,10,20,30,40,C50,C60	2.3740/2.3750	0.0009/0.0034	0.0623	2.5000/2.5005	0.9120
Main Bearing Set	B-2	MS-481M	STD,10,20,30					
1-2-4-5		MB-1883M		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	0.9490
3		MB-1884M(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.2240
NOTE: Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-877P	STD,10,20,30					
1-2-4-5		MB-2067P		2.7495/2.7505	0.0008/0.0033	0.0956	2.9425/2.9430	0.9490
3		MB-2457P(F)		2.7495/2.7505	0.0011/0.0036	0.0956	2.9425/2.9430	1.2240
NOTE: Full Grooved Main Bearings								
Cam Bearing Set	B-1	SH-876S	STD					
1		SH-876		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7600
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-404		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.6800
4		SH-405		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
5		SH-406		1.7480/1.7490	0.0005/0.0045	0.0645	1.8795/1.8805	0.7600
Rod Forging	1851535, 2406395, 2406886, 2951908							
C/S Forging	3294, 1737642, 1821436, 1851527, 1855127, 1978698, 2206157, 2206158, 2206160, 3698641, 3751888, 4027175, 8698461, 3751888-5							
Connecting Rod Main Bearing	45 Lbs.Ft. 85 Lbs.Ft.							

COMMANDER MARINE									
ENGINE DATA									
Engine		Bore & Stroke		Block	Engine		Bore & Stroke		Block
302 Ford 302 CID (5.0L)		4.000in./101.6mmX3.000in./76.2mm		1	460 Ford 460 CID (7.5L)		4.360in./110.7mmX3.850in./97.8mm		3
351 Ford Windsor 351 CID (5.8L)		4.000in./101.6mmX3.500in./88.9mm		2					
CONNECTING ROD FORGING NUMBERS									
Forging No.	Stroke	Block	Forging No.	Stroke	Block				
C90E	3.500in./88.9mm	2	D60E	3.500in./88.9mm	2				
CRANKSHAFT FORGING NUMBERS									
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	
3C	3.500in./88.9mm	2	3MA	3.500in./88.9mm	2	7MA	3.500in./88.9mm	2	
3M	3.500in./88.9mm	2	7M	3.500in./88.9mm	2	C90E-A	3.500in./88.9mm	2	
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL									
1	302 CID (5.0L) 302 Ford V8 Cyl				4.000in./101.6mm x 3.000in./76.2mm				1
Rod Bearing(8)	AL-5	CB-634A-10	20,30		2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60		2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30		2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40		2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	AL-5	MS-590A-10	20,30						
1-2-4-5		MB-2121A			2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122A(F)			2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-590P	STD,1,10,20,30,40						
1-2-4-5		MB-2121P			2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122P(F)			2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-1746P-10	20,30						
1-2-4-5		MB-2121P			2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-3124P(F)			2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing									
Cam Bearing Set	B-1	SH-510S	STD,10						
1		SH-510			2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511			2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512			2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513			2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514			2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Connecting Rod	19 To 24 Lbs.Ft.								
Main Bearing	60 To 70 Lbs.Ft.								
2	351 CID (5.8L) 351 Ford Windsor V8 Cyl				4.000in./101.6mm x 3.500in./88.9mm				2
Rod Bearing(8)	AL-5	CB-831A-10	20,30		2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40		2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30		2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40		2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	TM-77	MS-981P	STD,1,10,20,30,40						
1-2-4-5		MB-2557P			2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558P(F)			2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Thru 1976, Full Grooved Main Bearings									
Main Bearing Set	AL-5	MS-1432A-10	20,30						
1-2-4-5		MB-2754A			2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558A(F)			2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings									
Main Bearing Set	TM-77	MS-1432P	STD,1,10,20,30,40						
1-2-4-5		MB-2754P			2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB2558P(F)			2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings									

COMMANDER MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
2 (Cont.)	351 CID (5.8L) 351 Ford Windsor V8 Cyl				4.000in./101.6mm x 3.500in./88.9mm			2 (Cont.)
Cam Bearing Set	B-1	SH-510S	STD,10					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	C90E, D60E							
C/S Forging	3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
3	460 CID (7.5L) 460 Ford V8 Cyl				4.360in./110.7mm x 3.850in./97.8mm			3
Rod Bearing(8)	TM-77	CB-818P	STD,1,10,20,30,40	2.4992/2.5000	0.0005/0.0031	0.0761	2.6522/2.6530	0.8660
Rod Bearing(8)	TM-77	CB-1802P-10	20,30	2.4992/2.5000	0.0005/0.0031	0.0771	2.6542/2.6550	0.8660
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-1039P	STD,1,10,20,30,40					
1-2-4-5		MB-2564P		2.9994/3.0002	0.0007/0.0033	0.0958	3.1922/3.1930	0.9500
3		MB-2565P(F)		2.9994/3.0002	0.0007/0.0033	0.0958	3.1922/3.1930	1.1200
Cam Bearing Set	AL-3	SH-1111S	STD,10					
1-2-3-4-5		SH-1111		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.6000
Cam Bearing Set	AL-3	SH-1766S	STD					
1-2-3-4-5		SH-1766		2.1238/2.1248	0.0011/0.0050	0.0694	2.2645/2.2655	0.6300
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.2645"/2.2655"								
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							

DEARBORN MARINE

ENGINE DATA											
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block				
6 CYL				8 CYL (Cont.)							
Ford 144 CID (2.4L)	3.500in./88.9mmX2.500in./63.5mm		1	289 Ford 289 CID (4.7L)	4.000in./101.6mmX2.870in./72.9mm		4				
Ford 170 CID (2.8L)	3.500in./88.9mmX2.938in./74.6mm		1	Ford 256 CID (4.2L)	3.625in./92.1mmX3.100in./78.7mm		3				
8 CYL				Ford 292 CID (4.8L)	3.750in./95.3mmX3.297in./83.8mm		3				
215 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm		4	Ford 272 CID (4.5L)	3.625in./92.1mmX3.297in./83.8mm		3				
225 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm		4	Ford 312 CID (5.1L)	3.800in./96.5mmX3.438in./87.3mm		5				
235 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm		6	Ford 312 CID (5.1L) Supercharged	3.800in./96.5mmX3.438in./87.3mm		5				
240 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm		6	Ford 390 CID (6.4L)	4.050in./102.9mmX3.781in./96mm		7				
250 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm		6	High Performance Ford 427 CID (7.0L)	4.233in./107.5mmX3.781in./96mm		8				
255 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm		6	OHV Ford 239 CID (3.9L)	3.500in./88.9mmX3.100in./78.7mm		2				
				Super High Output Ford 427 CID (7.0L)	4.233in./107.5mmX3.781in./96mm		8				
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
21A-6200	3.000in./76.2mm	4	C2AE-B	3.781in./96mm	7	C30E	2.500in./63.5mm	1	EBU	3.297in./83.8mm	3
91A-6200	3.000in./76.2mm	4	C2OE	3.000in./76.2mm	4	C30E	2.938in./74.6mm	1	ECC	3.100in./78.7mm	3
B10	2.500in./63.5mm	1	C3AE-A	3.000in./76.2mm	4	C30E-A	3.000in./76.2mm	4	ECC	3.297in./83.8mm	3
B10	2.938in./74.6mm	1	C3AE-B	3.781in./96mm	8	C90E	3.500in./88.9mm	6	ECE	3.100in./78.7mm	3
C1AE-B	3.781in./96mm	7	C3AE-C	3.781in./96mm	8	CODE	2.500in./63.5mm	1	ECE	3.297in./83.8mm	3
C1DE	2.500in./63.5mm	1	C3AE-D	3.000in./76.2mm	4	CODE	2.938in./74.6mm	1	ECZ	3.438in./87.3mm	5
C1DE	2.938in./74.6mm	1	C3AE-F	3.781in./96mm	8	D8BE	2.938in./74.6mm	1	ECZ-6205B	3.438in./87.3mm	5
C1TE-C	3.297in./83.8mm	3	C3AE-J	3.000in./76.2mm	4	D8BE-6205	2.500in./63.5mm	1	EDC	3.100in./78.7mm	3
C2AE-A	3.100in./78.7mm	3	C5AE-B	3.781in./96mm	8	D8BE-6205	2.938in./74.6mm	1	EDC	3.297in./83.8mm	3
C2AE-A	3.297in./83.8mm	3	C8DE	3.000in./76.2mm	4	D60E	3.500in./88.9mm	6			
C2AE-B	3.781in./96mm	8	C8OE-A	3.000in./76.2mm	4	EBU	3.100in./78.7mm	3			
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1F	2.500in./63.5mm	1	1G	2.500in./63.5mm	1	1H	2.500in./63.5mm	1	1HA	2.500in./63.5mm	1
1F	2.938in./74.6mm	1	1G	2.938in./74.6mm	1	1H	2.938in./74.6mm	1	1HA	2.938in./74.6mm	1

DEARBORN MARINE (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1J	3.000in./76.2mm	4	B616	3.297in./83.8mm	3	C30E-B	3.000in./76.2mm	4	C30Z-A	2.500in./63.5mm	1
1M	3.000in./76.2mm	4	C0E-A	3.000in./76.2mm	4	C30Z	3.000in./76.2mm	4	C30Z-A	2.938in./74.6mm	1
1MA	3.000in./76.2mm	4	C1AE-A	3.781in./96mm	7	C4AE-B	3.781in./96mm	8	C30Z-E	2.500in./63.5mm	1
2M	3.000in./76.2mm	4	C1TE	3.297in./83.8mm	3	C4AE-C	3.781in./96mm	8	C30Z-E	2.938in./74.6mm	1
2MA	3.000in./76.2mm	4	C1TE-6303F1	3.297in./83.8mm	3	C4AE-E	3.781in./96mm	8	C80E-B	3.000in./76.2mm	4
2MAB	3.000in./76.2mm	4	C1TE-F1	3.297in./83.8mm	3	C4AE-H	3.781in./96mm	8	C90E-A	3.500in./88.9mm	6
2MAC	3.000in./76.2mm	4	C1TE-F	3.297in./83.8mm	3	C4AZ-A	3.781in./96mm	8	CTR-CB	2.500in./63.5mm	1
2MAD	3.000in./76.2mm	4	C2AE-2	3.781in./96mm	7	C4AZ-J	3.781in./96mm	8	CTR-CB	2.938in./74.6mm	1
2MAE	3.000in./76.2mm	4	C2AE-A	3.297in./83.8mm	3	C4TZ-A	3.781in./96mm	8	EBU	3.100in./78.7mm	3
3C	3.500in./88.9mm	6	C2AE-B	3.781in./96mm	7	C4TZ-B	3.781in./96mm	8	EBU-6303-A	3.100in./78.7mm	3
3M	3.500in./88.9mm	6	C2AE-D	3.781in./96mm	7	C5AE-C	3.781in./96mm	8	EBU-6303-A	3.100in./78.7mm	2
3MA	3.500in./88.9mm	6	C2DE-A	2.500in./63.5mm	1	C5DE-A	2.500in./63.5mm	1	EC	3.297in./83.8mm	3
7M	3.500in./88.9mm	6	C2DE-A	2.938in./74.6mm	1	C5DE-A	2.938in./74.6mm	1	ECE	3.438in./87.3mm	5
7MA	3.500in./88.9mm	6	C2OE-A	3.000in./76.2mm	4	C8AE-B	3.781in./96mm	8	ECG	3.438in./87.3mm	5
B3C7	3.297in./83.8mm	3	C2OZ	3.000in./76.2mm	4	C9TE	3.297in./83.8mm	3	ECG-6303-B	3.297in./83.8mm	3
B4A-6303-B	3.297in./83.8mm	3	C3AE-B	3.781in./96mm	7	C9TE-A	3.297in./83.8mm	3	ECK	3.438in./87.3mm	5
B4A-B	3.297in./83.8mm	3	C3AE-C	3.781in./96mm	7	C9ZE-A	3.000in./76.2mm	4	ECK-6303-B	3.297in./83.8mm	3
B5A-6303-B	3.297in./83.8mm	3	C3AE-E	3.781in./96mm	7	C2OZ-A	3.000in./76.2mm	4	ECZ	3.438in./87.3mm	5
B5Q-6303-A	3.297in./83.8mm	3	C3AE-F	3.000in./76.2mm	4	C30E-A	2.500in./63.5mm	1	GS-M	3.000in./76.2mm	4
B5S-6303-A	3.297in./83.8mm	3	C3AE-G	3.781in./96mm	8	C30E-A	2.938in./74.6mm	1			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
1	144 CID (2.4L) Ford 6 Cyl (1960-1964) 170 CID (2.8L) Ford 6 Cyl (1961-1973)			3.500in./88.9mm x 2.500in./63.5mm 3.500in./88.9mm x 2.938in./74.6mm				1
Rod Bearing(6)	TM-77	CB-583P	STD,1,10,20,30,40,G60	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set 1-2-4	TM-77	MS-518G	STD,10,20,30,40	2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200
3		MB-2002G MB-2003G(F)		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710
Cam Bearing Set 1	B-1	SH-703S	STD	1.8095/1.8105	0.0010/0.0050	0.0833	1.9780/1.9790	0.7300
2		SH-703 SH-412		1.8095/1.8105	0.0010/0.0050	0.0758	1.9630/1.9640	0.7300
3		SH-413		1.8095/1.8105	0.0010/0.0050	0.0683	1.9480/1.9490	0.7300
4		SH-414		1.8095/1.8105	0.0010/0.0050	0.0608	1.9330/1.9340	0.7300
Rod Forging	B10, C1DE, C30E, CODE, D8BE, D8BE-6205							
C/S Forging	1F, 1G, 1H, 1HA, C2DE-A, C30E-A, C30Z-A, C30Z-E, C5DE-A, CTR-CB							
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
8 CYL								
2	239 CID (3.9L) OHV Ford V8 Cyl (1954)			3.500in./88.9mm x 3.100in./78.7mm				2
Rod Bearing(8)	TM-77	CB-461P	STD,1,2,10,20,30,40,50,C60	2.1880/2.1888	0.0005/0.0020	0.0617	2.3120/2.3128	0.7460
Main Bearing Set 1-2-4-5	TM-77	MS-178P	STD,10,20,30,40,C60	2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	0.9120
3		MB-1575P MB-1621P(F)		2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	1.1200
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Piston Pin Bushing(8)	B	223-3451	STD			0.0360	0.8115/0.8125	1.3220
NOTE: Requires Light Reaming								
C/S Forging	EBU-6303-A							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
3	256 CID (4.2L) Ford V8 Cyl (1954) 272 CID (4.5L) Ford V8 Cyl (1955-1957) 292 CID (4.8L) Ford V8 Cyl (1955)			3.625in./92.1mm x 3.100in./78.7mm 3.625in./92.1mm x 3.297in./83.8mm 3.750in./95.3mm x 3.297in./83.8mm				3
Rod Bearing(8)	TM-77	CB-461P	STD,1,2,10,20,30,40,50,C60	2.1880/2.1888	0.0005/0.0020	0.0617	2.3120/2.3128	0.7460
Main Bearing Set 1-2-4-5	TM-77	MS-178P	STD,10,20,30,40,C60	2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	0.9120
3		MB-1575P MB-1621P(F)		2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	1.1200
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								

DEARBORN MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
3 (Cont.)	256 CID (4.2L) Ford V8 Cyl (1954) 272 CID (4.5L) Ford V8 Cyl (1955-1957) 292 CID (4.8L) Ford V8 Cyl (1955)				3.625in./92.1mm x 3.100in./78.7mm 3.625in./92.1mm x 3.297in./83.8mm 3.750in./95.3mm x 3.297in./83.8mm			3 (Cont.)
Cam Bearing Set 1	B-1	SH-559S	STD,10	1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.8900
2-3-4-5		SH-285		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.6300
NOTE: Grooved Number 3 Camshaft Journal								
Piston Pin Bushing(8)	B	223-3451	STD			0.0360	0.8115/0.8125	1.3220
NOTE: Requires Light Reaming								
Rod Forging C/S Forging	EBU, ECC, ECE, EDC, C1TE-C, C2AE-A EC, EBU, B3C7, B616, C1TE, C9TE, B4A-B, C1TE-F, C2AE-A, C9TE-A, C1TE-F1, B4A-6303-B, B5A-6303-B, B5Q-6303-A, B5S-6303-A, EBU-6303-A, ECG-6303-B, ECK-6303-B, C1TE-6303F1							
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 95 To 105 Lbs.Ft.							
4	289 CID (4.7L) 289 Ford V8 Cyl 302 CID (5.0L) 215,225 Ford V8 Cyl				4.000in./101.6mm x 2.870in./72.9mm 4.000in./101.6mm x 3.000in./76.2mm			4
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	AL-5	MS-590A-10	20,30	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2121A		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
		MB-2122A(F)						
Main Bearing Set 1-2-4-5	TM-77	MS-590P	STD,1,10,20,30,40	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2121P		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
		MB-2122P(F)						
Main Bearing Set 1-2-4-5	TM-77	MS-1746P-10	20,30	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2121P		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430
		MB-3124P(F)						
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-510S	STD,10	2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-510		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-511		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-512		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-513		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
		SH-514						
Rod Forging C/S Forging	C2OE, C8DE, C30E-A, C3AE-A, C3AE-D, C3AE-J, C8OE-A, 21A-6200, 91A-6200 1J, 1M, 2M, 1MA, 2MA, 2MAB, 2MAC, 2MAD, 2MAE, C2OZ, C3OZ, GS-M, C0E-A, C2OZ-A, C2OE-A, C3AE-F, C3OE-B, C8OE-B, C9ZE-A							
Connecting Rod Main Bearing	19 To 24 Lbs.Ft. 60 To 70 Lbs.Ft.							
5	312 CID (5.1L) Ford Supercharged V8 Cyl (1957)				3.800in./96.5mm x 3.438in./87.3mm			5
Rod Bearing(8)	TM-77	CB-461P	STD,1,2,10,20,30,40,50,C60	2.1880/2.1888	0.0005/0.0020	0.0617	2.3120/2.3128	0.7460
Main Bearing Set 1-2-4-5	TM-77	MS-195P-10	20	2.6235/2.6243	0.0005/0.0029	0.0959	2.8160/2.8168	0.8720
3		MB-1717P		2.6235/2.6243	0.0005/0.0029	0.0959	2.8160/2.8168	1.1200
		MB-1718P(F)						
Cam Bearing Set 1	B-1	SH-559S	STD,10	1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.8900
2-3-4-5		SH-285		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.6300
		SH-559						
Piston Pin Bushing(8)	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
NOTE: Requires Boring								
Rod Forging C/S Forging	ECZ, ECZ-6205B ECE, ECG, ECK, ECZ							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.							
6	351 CID (5.8L) 235,240,250,255 Ford Windsor V8 Cyl				4.000in./101.6mm x 3.500in./88.9mm			6
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260

DEARBORN MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
6 (Cont.)	351 CID (5.8L) 235,240,250,255 Ford Windsor V8 Cyl			4.000in./101.6mm x 3.500in./88.9mm				6 (Cont.)
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	TM-77	MS-981P MB-2557P MB-2558P(F)	STD,1,10,20,30,40	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: Thru 1976, Full Grooved Main Bearings								
Main Bearing Set 1-2-4-5 3	AL-5	MS-1432A-10 MB-2754A MB-2558A(F)	20,30	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: From 1977								
Main Bearing Set 1-2-4-5 3	TM-77	MS-1432P MB-2754P MB2558P(F)	STD,1,10,20,30,40	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: From 1977								
Cam Bearing Set 1 2 3 4 5	B-1	SH-510S SH-510 SH-511 SH-512 SH-513 SH-514	STD,10	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
Rod Forging C/S Forging	C90E, D60E 3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.							
7	390 CID (6.4L) Ford V8 Cyl (1961-1971)			4.050in./102.9mm x 3.781in./96mm				7
Rod Bearing(8)	TM-77	CB-756P	STD,10,20	2.4380/2.4388	0.0024/0.0050	0.0750	2.5907/2.5915	0.7460
NOTE: 1961-1963								
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
NOTE: 1964-1971								
Rod Bearing(8)	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: 1964-1971, Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	TM-77	MS-445P MB-2441P MB-1825P(F)	STD,10,20	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0007/0.0033	0.0961 0.0958	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
NOTE: 1961-1963, Contains 3.614"/3.684" Flange Diameter Flanged Bearing								
Main Bearing Set 1-2-4-5 3	TM-77	MS-685P MB-2441P MB-2235P(F)	STD,1,10,20,30,40,C60	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0009/0.0035	0.0961 0.0957	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
NOTE: 1964-1965, .060" Undersize Set Contains .019" Oversize Length Flange Bearing,Contains 3.764"/3.824" Flange Diameter Flanged Bearing								
Main Bearing Set 1-2-4-5 3	TM-77	MS-863P MB-2441P MB-2442P(F)	STD,1,10,20,30,40,C60	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0005/0.0032	0.0961 0.0961	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
NOTE: 1966-1971, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Cam Bearing Set 1 2 3 4 5	B-1	SH-781S SH-781 SH-377 SH-378 SH-379 SH-380	STD,10	2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0919 0.0844 0.0769 0.0694 0.0619	2.3095/2.3105 2.2945/2.2955 2.2795/2.2805 2.2645/2.2655 2.2495/2.2505	0.6300 0.6300 0.6300 0.6300 0.5700
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: Requires Light Reaming								

DEARBORN MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
7 (Cont.)	390 CID (6.4L) Ford V8 Cyl (1961-1971)			4.050in./102.9mm x 3.781in./96mm				7 (Cont.)
Piston Pin Bushing(8)	C-1	223-3504	STD			0.0480	1.3040/1.3060	1.5400
NOTE: Requires Light Reaming								
Piston Pin Bushing(8)	B	223-3598	STD			0.0411	1.0360/1.0380	1.1900
NOTE: Requires Boring								
Rod Forging	C1AE-B, C2AE-B							
C/S Forging	C1AE-A, C2AE-2, C2AE-B, C2AE-D, C3AE-B, C3AE-C, C3AE-E							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
8	427 CID (7.0L) High Performance, Super High Output Ford V8 Cyl			4.233in./107.5mm x 3.781in./96mm				8
Rod Bearing(8)	TM-77	CB-756P	STD, 10, 20	2.4380/2.4388	0.0024/0.0050	0.0750	2.5907/2.5915	0.7460
NOTE: Thru 1967, Except Engines With C70E-6200A Connecting Rod And C9AZ-6303D Crankshaft								
Rod Bearing(8)	TM-77	CB-760P	STD, 1, 2, 10, 20, 30, 40, C50, C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
NOTE: From 1968, Except Engines With Connecting Rod C70E-2700A And Crankshaft C9AZ-6303D								
Rod Bearing(8)	TM-77	CB-1801P-10	20, 30, 40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: From 1968, Connecting Rods With Housing Bore Resized .002" Larger Than Stock, Except Engines With Connecting Rod C70E-2700A And Crankshaft C9AZ-6303D								
Main Bearing Set	TM-77	MS-445P	STD, 10, 20					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-1825P(F)		2.7484/2.7492	0.0007/0.0033	0.0958	2.9412/2.9420	1.1180
NOTE: Thru 1963, Contains 3.614"/3.684" Flange Diameter Flanged Bearing								
Main Bearing Set	TM-77	MS-685P	STD, 1, 10, 20, 30, 40, C60					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2235P(F)		2.7484/2.7492	0.0009/0.0035	0.0957	2.9412/2.9420	1.1180
NOTE: From 1964, Thru 1965, .060" Undersize Set Contains .019" Oversize Length Flange Bearing, Contains 3.764"/3.824" Flange Diameter Flanged Bearing								
Main Bearing Set	TM-77	MS-863P	STD, 1, 10, 20, 30, 40, C60					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2442P(F)		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	1.1180
NOTE: From 1966, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing, Contains 3.888"/3.948" Flange Diameter Flanged Bearing, Contains Full Grooved Bearings								
Cam Bearing Set	B-1	SH-643S	STD					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-643		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-644		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-645		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-646		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
NOTE: From 1966, Wedge Head Engine								
Cam Bearing Set	B-1	SH-781S	STD, 10					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-377		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-378		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-379		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-380		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
NOTE: Thru 1965								
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: Thru 1967, Requires Light Reaming								
Rod Forging	C2AE-B, C3AE-B, C3AE-C, C3AE-F, C5AE-B							
C/S Forging	C3AE-G, C4AE-B, C4AE-C, C4AE-E, C4AE-H, C4AZ-A, C4AZ-J, C4TZ-A, C4TZ-B, C5AE-C, C8AE-B							
Connecting Rod	53 To 58 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							

FLAGSHIP MARINE

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
283 Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	1	327 Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	3
295 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	2	340 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	5
305 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	2	350 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	2
307 Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	2	427 Chevrolet 427 CID (7.0L)	4.250in./108mmX3.766in./95.7mm	4
315 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	2	454 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	5

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3185281	3.250in./82.6mm	2	3703527	3.250in./82.6mm	2	3815281	3.250in./82.6mm	2	3892671	3.484in./88.5mm	2
3185281	3.250in./82.6mm	3	3703527	3.250in./82.6mm	3	3815281	3.250in./82.6mm	3	3916396	3.484in./88.5mm	2
3703526	3.000in./76.2mm	1	3784000	3.000in./76.2mm	1	3856239	4.000in./101.6mm	5	3923282	3.484in./88.5mm	2
3703526	3.250in./82.6mm	2	3784000	3.250in./82.6mm	2	3856239	3.766in./95.7mm	4	3933174	4.000in./101.6mm	5
3703526	3.250in./82.6mm	3	3784000	3.250in./82.6mm	3	3856240	4.000in./101.6mm	5	3933174	3.766in./95.7mm	4
3703527	3.000in./76.2mm	1	3815281	3.000in./76.2mm	1	3856240	3.766in./95.7mm	4	3946841	3.484in./88.5mm	2

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1130	3.250in./82.6mm	2	306275	3.484in./88.5mm	2	3838266	3.000in./76.2mm	1	3914682	3.250in./82.6mm	3
1130	3.250in./82.6mm	3	306276	3.484in./88.5mm	2	3849847	3.000in./76.2mm	1	3930809	3.250in./82.6mm	2
1178	3.000in./76.2mm	1	310514	3.484in./88.5mm	2	3863144	3.766in./95.7mm	4	3930809	3.250in./82.6mm	3
1178	3.250in./82.6mm	2	353039	4.000in./101.6mm	5	3874874	3.766in./95.7mm	4	3932444	3.484in./88.5mm	2
1178	3.250in./82.6mm	3	359730	4.000in./101.6mm	5	3876764	3.000in./76.2mm	1	3941172	3.250in./82.6mm	2
1182	3.484in./88.5mm	2	391101A	3.250in./82.6mm	2	3876768	3.000in./76.2mm	1	3941172	3.250in./82.6mm	3
1182	3.250in./82.6mm	3	391101A	3.250in./82.6mm	3	3882842	3.766in./95.7mm	4	3941174	3.250in./82.6mm	2
2680	3.250in./82.6mm	2	3727449	3.000in./76.2mm	1	3882847	3.766in./95.7mm	4	3941174	3.250in./82.6mm	3
2680	3.250in./82.6mm	3	3727499	3.000in./76.2mm	1	3882848	3.766in./95.7mm	4	3941180	3.766in./95.7mm	4
2690	3.484in./88.5mm	2	3729449	3.000in./76.2mm	1	3882849	3.766in./95.7mm	4	3941184	3.484in./88.5mm	2
3279	3.000in./76.2mm	1	3732444	3.484in./88.5mm	2	3887114	3.766in./95.7mm	4	3942411	3.766in./95.7mm	4
3279	3.250in./82.6mm	2	3734627	3.000in./76.2mm	1	3904815	3.766in./95.7mm	4	3962523	4.000in./101.6mm	5
3279	3.250in./82.6mm	3	3735236	3.000in./76.2mm	1	3904816	3.766in./95.7mm	4	3963523	4.000in./101.6mm	5
3521	4.000in./101.6mm	5	3782680	3.250in./82.6mm	3	3911000	3.250in./82.6mm	2	3963524	4.000in./101.6mm	5
4577	3.250in./82.6mm	2	3782690	3.250in./82.6mm	3	3911000	3.250in./82.6mm	3	3967463	4.000in./101.6mm	5
4577	3.250in./82.6mm	3	3804816	3.766in./95.7mm	4	3911001	3.250in./82.6mm	2	3975945	4.000in./101.6mm	5
4672	3.250in./82.6mm	2	3815822	3.250in./82.6mm	3	3911001	3.250in./82.6mm	3	4568749	3.484in./88.5mm	2
4672	3.250in./82.6mm	3	3832442	3.484in./88.5mm	2	3911011	3.250in./82.6mm	2	5782680	3.250in./82.6mm	3
6223	3.766in./95.7mm	4	3835236TG	3.000in./76.2mm	1	3911011	3.250in./82.6mm	3	N353039	4.000in./101.6mm	5
6764	3.000in./76.2mm	1	3836144	3.766in./95.7mm	4	3912335	3.484in./88.5mm	2	N853039	4.000in./101.6mm	5
7115	3.766in./95.7mm	4	3836236	3.000in./76.2mm	1	3914681	3.250in./82.6mm	2	N853638	4.000in./101.6mm	5
7416	4.000in./101.6mm	5	3836266	3.000in./76.2mm	1	3914681	3.250in./82.6mm	3			
9115	3.766in./95.7mm	4	3837266	3.000in./76.2mm	1	3914682	3.250in./82.6mm	2			

COUNTER DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes

SHOP DATA

Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

8 CYL

1	283 CID (4.6L) 283 Chevrolet V8 Cyl	3.875in./98.4mm x 3.000in./76.2mm	1
Rod Bearing(8)	TM-77 CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000 0.0010/0.0035 0.0621 2.1247/2.1252 0.8420
Main Bearing Set 1-2-3-4 5	TM-77 MS-429P MB-3135P MB-1769P(F)	STD,1,10,20,30,40	2.2983/2.2993 0.0006/0.0036 0.0955 2.4906/2.4916 0.8070 2.2978/2.2988 0.0011/0.0041 0.0955 2.4906/2.4916 1.7180
Cam Bearing Set 1 2 3-4 5	B-1 SH-287S SH-290 SH-288 SH-287 SH-289	STD	1.8682/1.8692 0.0010/0.0050 0.0744 2.0190/2.0210 0.7500 1.8682/1.8692 0.0010/0.0050 0.0694 2.0090/2.0110 0.7500 1.8682/1.8692 0.0010/0.0050 0.0644 1.9990/2.0010 0.7500 1.8682/1.8692 0.0010/0.0050 0.0694 2.0090/2.0110 0.9500
NOTE: Thru 1963			
Cam Bearing Set 1 2-5 3-4	B-1 SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 0.0010/0.0050 0.0744 2.0190/2.0210 0.7500 1.8682/1.8692 0.0010/0.0050 0.0694 2.0090/2.0110 0.7500 1.8682/1.8692 0.0010/0.0050 0.0644 1.9990/2.0010 0.7500
NOTE: From 1964			
Cam Bearing Set 1-2-3-4-5	AL-3 SH-1352S SH-1352	STD	1.8682/1.8692 0.0010/0.0050 0.0794 2.0290/2.0310 0.7500
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"			

FLAGSHIP MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
1 (Cont.)	283 CID (4.6L) 283 Chevrolet V8 Cyl			3.875in./98.4mm x 3.000in./76.2mm				1 (Cont.)
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3703526, 3703527, 3784000, 3815281 1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft. (2.298" Diameter Main Bearing Journals)							
2	305 CID (5.0L) 305 Chevrolet V8 Cyl			3.736in./95mm x 3.484in./88.5mm				2
	307 CID (5.0L) 307 Chevrolet V8 Cyl			3.875in./98.4mm x 3.250in./82.6mm				
	350 CID (5.7L) 295,315,350 Chevrolet V8 Cyl			4.000in./101.6mm x 3.484in./88.5mm				
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4	AL-5	MS-909A-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508A MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set 1-2-3-4	TM-77	MS-909P	STD,1,2,10,20,30,40,C60	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1626P-10	20,30,40	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1683P-20		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P MB-3060P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1744P-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P MB-3119P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-290S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
3-4		SH-288 SH-287		1.8682/1.8692	0.0010/0.0050	0.0694 0.0644	2.0090/2.0110 1.9990/2.0010	0.7500 0.7500
Cam Bearing Set 1	AL-3	SH-1349S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
3-4		SH-1350 SH-1351		1.8682/1.8692	0.0010/0.0050	0.0694 0.0644	2.0090/2.0110 1.9990/2.0010	0.7500 0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3185281, 3703526, 3703527, 3784000, 3815281, 3892671, 3916396, 3923282, 3946841 1130, 1178, 1182, 2680, 2690, 3279, 4577, 4672, 306275, 306276, 310514, 3732444, 3832442, 3911000, 3911001, 3911011, 391101A, 3912335, 3914681, 3914682, 3930809, 3932444, 3941172, 3941174, 3941184, 4568749							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							

FLAGSHIP MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
3	327 CID (5.4L) 327 Chevrolet V8 Cyl			4.000in./101.6mm x 3.250in./82.6mm				3
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 2.000" Diameter Crankshaft Rod Journal	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Main Bearing Set 1-2-3-4 5 NOTE: 2.298" Diameter Main Bearing Journals	TM-77	MS-429P MB-3135P MB-1769P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2978/2.2988	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 2.448" Diameter Main Bearing Journals	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 2.448" Diameter Main Bearing Journals, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 2.448" Diameter Main Bearing Journals, Contains .020" Oversize Length Flanged Bearing	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
Main Bearing Set 1-2-3-4 5 NOTE: 2.448" Diameter Main Bearing Journals, Contains .040" Oversize Length Flanged Bearing	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
Main Bearing Set 1-2-3-4 5 NOTE: 2.448" Diameter Main Bearing Journals, Contains .010" Oversize Length Flanged Bearing	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
Cam Bearing Set 1 2 3-4 5 NOTE: Thru 1963	B-1	SH-287S SH-290 SH-288 SH-287 SH-289	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644 0.0694	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500 0.9500
Cam Bearing Set 1 2-5 3-4 NOTE: From 1964	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
Cam Bearing Set 1 2-5 3-4 NOTE: From 1964,Heavy Duty Engine	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
Cam Bearing Set 1-2-3-4-5 NOTE: From 1964,Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500

FLAGSHIP MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
3 (Cont.)	327 CID (5.4L) 327 Chevrolet V8 Cyl			4.000in./101.6mm x 3.250in./82.6mm				3 (Cont.)
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3185281, 3703526, 3703527, 3784000, 3815281 1130, 1178, 1182, 2680, 3279, 4577, 4672, 3782680, 3782690, 3815822, 3911000, 3911001, 3911011, 391101A, 3914681, 3914682, 3930809, 3941172, 3941174, 5782680							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft. (2.298" Diameter Main Bearing Journals)							
Main Bearing	75 Lbs.Ft. (2.448" Diameter Main Bearing Journals)							
4	427 CID (7.0L) 427 Chevrolet V8 Cyl			4.250in./108mm x 3.766in./95.7mm				4
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD, 1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4 5	AL-5	MS-829A-10 MB-2403A MB-2404A(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-829P MB-2403P MB-2404P(F)	STD, 1,10,20,30,40	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-1745P-10 MB-2403P MB-3120P(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1748P-10 MB-3123P MB-2404P(F)	20	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.1087 0.0937	2.9570/2.9580 2.9370/2.9380	1.0440 1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings, Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set 1 2 3-4 5	B-1	SH-615S SH-615 SH-616 SH-617 SH-618	STD	1.9485/1.9495 1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847 0.0897	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205 2.1295/2.1305	0.8700 0.9900 0.9900 0.9900
NOTE: Thru 1966								
Cam Bearing Set 1 2-5 3-4	B-1	SH-616S SH-615 SH-616 SH-617	STD	1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205	0.8700 0.9900 0.9900
NOTE: From 1967								
Rod Forging C/S Forging	3856239, 3856240, 3933174 6223, 7115, 9115, 3804816, 3836144, 3863144, 3874874, 3882842, 3882847, 3882848, 3882849, 3887114, 3904815, 3904816, 3941180, 3942411							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							
5	454 CID (7.4L) 340,454 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm				5
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD, 1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4 5	AL-5	MS-829A-10 MB-2403A MB-2404A(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-829P MB-2403P MB-2404P(F)	STD, 1,10,20,30,40	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-1745P-10 MB-2403P MB-3120P(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								

FLAGSHIP MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
5 (Cont.)	454 CID (7.4L) 340,454 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm				5 (Cont.)
Main Bearing Set 1-2-3-4 5	TM-77	MS-1748P-10 MB-3123P MB-2404P(F)	20	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.1087 0.0937	2.9570/2.9580 2.9370/2.9380	1.0440 1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings, Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set 1 2-5 3-4	B-1	SH-616S SH-615 SH-616 SH-617	STD	1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205	0.8700 0.9900 0.9900
Rod Forging C/S Forging	3856239, 3856240, 3933174 3521, 7416, 353039, 359730, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							

FORD MARINE

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL			8 CYL (Cont.)		
Ford 300 CID (4.9L)	4.000in./101.6mmX3.980in./101.1mm	5	Ford 221 CID (3.6L)	3.500in./88.9mmX2.875in./73mm	6
Ford 144 CID (2.4L)	3.500in./88.9mmX2.500in./63.5mm	1	Ford 256 CID (4.2L)	3.625in./92.1mmX3.100in./78.7mm	7
Ford 170 CID (2.8L)	3.500in./88.9mmX2.938in./74.6mm	1	Ford 260 CID (4.3L)	3.800in./96.5mmX2.870in./72.9mm	6
Ford 250 CID (4.1L)	3.680in./93.5mmX3.906in./99.2mm	4	Ford 272 CID (4.5L)	3.625in./92.1mmX3.297in./83.8mm	7
OHV Ford 240 CID (4.0L)	4.000in./101.6mmX3.188in./80.98mm	3	Ford 427 CID (7.0L)	4.233in./107.5mmX3.781in./96mm	14
OHV Ford 200 CID (3.3L)	3.680in./93.5mmX3.125in./79.4mm	2	Ford 292 CID (4.8L)	3.750in./95.3mmX3.297in./83.8mm	8
8 CYL			Ford 312 CID (5.1L)	3.800in./96.5mmX3.438in./87.3mm	9
5.8 Litre Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	Ford 312 CID (5.1L) Supercharged	3.800in./96.5mmX3.438in./87.3mm	9
223 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	Ford 352 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	12
225TR11 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	Ford 390 CID (6.4L)	4.050in./102.9mmX3.781in./96mm	12
233 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	Ford 534 CID (8.8L)	4.500in./114.3mmX4.200in./106.7mm	16
235 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	Boss Ford 429 CID (7.0L)	4.360in./110.7mmX3.590in./91.2mm	15
240 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	Cobra Jet Ford 429 CID (7.0L)	4.360in./110.7mmX3.590in./91.2mm	15
250 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	Cobra Jet Ford Cleveland 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	11
255 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	High Output Ford Cleveland 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	11
260 Ford 289 CID (4.7L)	4.000in./101.6mmX2.870in./72.9mm	6	INTERCEPTOR Ford 352 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	13
289 Ford 289 CID (4.7L)	4.000in./101.6mmX2.870in./72.9mm	6	OHV Ford 239 CID (3.9L)	3.500in./88.9mmX3.100in./78.7mm	7
302 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	6	Special Ford 429 CID (7.0L)	4.360in./110.7mmX3.590in./91.2mm	15
351 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	Super Cobra Jet Ford 429 CID (7.0L)	4.360in./110.7mmX3.590in./91.2mm	15
351/4 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	Super Express Ford 361 CID (5.9L)	4.050in./102.9mmX3.500in./88.9mm	13
351C Ford Cleveland 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	11	Thunder Jet Ford 429 CID (7.0L)	4.360in./110.7mmX3.590in./91.2mm	15
460 Ford 460 CID (7.5L)	4.360in./110.7mmX3.850in./97.8mm	15			
8240 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10			

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
B9TE	4.200in./106.7mm	16	C1TE-C	3.297in./83.8mm	7	C5TZ-B	3.188in./80.98mm	3	CODE	3.125in./79.4mm	2
B10	2.500in./63.5mm	1	C1TE-C	3.297in./83.8mm	8	C7TE-A	3.500in./88.9mm	12	CODE	2.938in./74.6mm	1
B10	3.125in./79.4mm	2	C2AE-A	3.100in./78.7mm	7	C7TE-A	3.500in./88.9mm	13	D00E-A	3.590in./91.2mm	15
B10	2.938in./74.6mm	1	C2AE-A	3.297in./83.8mm	7	C8AE-A	3.188in./80.98mm	3	D6VE	3.590in./91.2mm	15
C0AE	3.500in./88.9mm	12	C2AE-A	3.297in./83.8mm	8	C8TE	3.188in./80.98mm	3	D8BE	3.125in./79.4mm	2
C0AE	3.500in./88.9mm	13	C2AE-B	3.781in./96mm	12	C8TE-A	3.188in./80.98mm	3	D8BE	2.938in./74.6mm	1
C1AE-6205A	3.500in./88.9mm	12	C5AE-A	3.188in./80.98mm	3	C8VE	3.590in./91.2mm	15	D8BE-6205	2.500in./63.5mm	1
C1AE-6205A	3.500in./88.9mm	13	C5TE	3.188in./80.98mm	3	C8VE-A	3.590in./91.2mm	15	D8BE-6205	3.125in./79.4mm	2
C1AE-A	3.500in./88.9mm	12	C5TE-6303C	3.188in./80.98mm	3	C9DE-A	3.906in./99.2mm	4	D8BE-6205	2.938in./74.6mm	1
C1AE-A	3.500in./88.9mm	13	C5TE-A	3.188in./80.98mm	3	C30E	2.500in./63.5mm	1	D8DE-AA	3.906in./99.2mm	4
C1AE-B	3.781in./96mm	12	C5TE-B	3.188in./80.98mm	3	C30E	3.125in./79.4mm	2	D9TE	3.590in./91.2mm	15
C1DE	2.500in./63.5mm	1	C5TE-F	3.188in./80.98mm	3	C30E	2.938in./74.6mm	1	D60E	3.500in./88.9mm	10
C1DE	3.125in./79.4mm	2	C5TE-G	3.188in./80.98mm	3	C90E	3.500in./88.9mm	10	DOAE-A	3.500in./88.9mm	11
C1DE	2.938in./74.6mm	1	C5TZ-A	3.188in./80.98mm	3	CODE	2.500in./63.5mm	1	EBU	3.100in./78.7mm	7

FORD MARINE (Cont.)**CONNECTING ROD FORGING NUMBERS (Cont.)**

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
EBU	3.297in./83.8mm	7	ECC	3.297in./83.8mm	8	ECZ	3.438in./87.3mm	9	EDC	3.297in./83.8mm	8
EBU	3.297in./83.8mm	8	ECE	3.100in./78.7mm	7	ECZ-6205B	3.438in./87.3mm	9	EDC	3.500in./88.9mm	12
ECC	3.100in./78.7mm	7	ECE	3.297in./83.8mm	7	EDC	3.100in./78.7mm	7	EDC	3.500in./88.9mm	13
ECC	3.297in./83.8mm	7	ECE	3.297in./83.8mm	8	EDC	3.297in./83.8mm	7	EDL	4.200in./106.7mm	16

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1F	2.500in./63.5mm	1	3MA	3.500in./88.9mm	10	C2DE-A	3.125in./79.4mm	2	C9AE-B	3.590in./91.2mm	15
1F	3.125in./79.4mm	2	4M	3.500in./88.9mm	11	C2DE-A	2.938in./74.6mm	1	C9DE-A	3.906in./99.2mm	4
1F	2.938in./74.6mm	1	4MA	3.500in./88.9mm	11	C2OZ	2.875in./73mm	6	C9TE	3.297in./83.8mm	7
1G	2.500in./63.5mm	1	4MAB	3.500in./88.9mm	11	C2OZ	2.870in./72.9mm	6	C9TE-A	3.297in./83.8mm	8
1G	3.125in./79.4mm	2	4U	3.590in./91.2mm	15	C2OZ-B	2.870in./72.9mm	6	C30E-A	2.500in./63.5mm	1
1G	2.938in./74.6mm	1	4UA	3.590in./91.2mm	15	C2TE-A	4.200in./106.7mm	16	C30E-A	3.125in./79.4mm	2
1H	2.500in./63.5mm	1	4UAB	3.590in./91.2mm	15	C2TE-B	4.200in./106.7mm	16	C30E-A	2.938in./74.6mm	1
1H	3.125in./79.4mm	2	4UB	3.590in./91.2mm	15	C3AE	3.500in./88.9mm	12	C30Z-A	2.500in./63.5mm	1
1H	2.938in./74.6mm	1	7M	3.500in./88.9mm	10	C3AE	3.500in./88.9mm	13	C30Z-A	3.125in./79.4mm	2
1HA	2.500in./63.5mm	1	7MA	3.500in./88.9mm	10	C3AE-B	3.781in./96mm	12	C30Z-A	2.938in./74.6mm	1
1HA	3.125in./79.4mm	2	A	3.500in./88.9mm	12	C3AE-C	3.781in./96mm	12	C30Z-E	2.500in./63.5mm	1
1HA	2.938in./74.6mm	1	A	3.500in./88.9mm	13	C3AE-E	3.781in./96mm	12	C30Z-E	3.125in./79.4mm	2
1L	3.188in./80.98mm	3	B3C7	3.297in./83.8mm	7	C3AF-N	2.870in./72.9mm	6	C30Z-E	2.938in./74.6mm	1
1LA	3.188in./80.98mm	3	B4A-6303-B	3.297in./83.8mm	7	C3DE-A	3.125in./79.4mm	2	C30E-A	3.500in./88.9mm	10
1LAB	3.188in./80.98mm	3	B4A-B	3.297in./83.8mm	7	C3OZ	2.870in./72.9mm	6	CTR-CB	2.500in./63.5mm	1
1N	3.188in./80.98mm	3	B5A-6303-B	3.297in./83.8mm	7	C3OZ-A	3.125in./79.4mm	2	CTR-CB	2.938in./74.6mm	1
1NA	3.188in./80.98mm	3	B5A-6303-B	3.297in./83.8mm	8	C3OZ-B	2.870in./72.9mm	6	D9TE-AA	3.590in./91.2mm	15
1NAB	3.188in./80.98mm	3	B5Q-6303-A	3.297in./83.8mm	8	C3OZ-E	3.125in./79.4mm	2	D9TE-EA	3.590in./91.2mm	15
1NABC	3.188in./80.98mm	3	B5S-6303-A	3.297in./83.8mm	8	C4AE	3.500in./88.9mm	12	DOAE-A	3.500in./88.9mm	11
1V	3.590in./91.2mm	15	B616	3.297in./83.8mm	8	C4AE	3.500in./88.9mm	13	EBU	3.100in./78.7mm	7
1VA	3.590in./91.2mm	15	C0AE-B	3.500in./88.9mm	12	C5AE	3.500in./88.9mm	12	EBU-6303-A	3.100in./78.7mm	7
1VAB	3.590in./91.2mm	15	C0AE-B	3.500in./88.9mm	13	C5AE	3.500in./88.9mm	13	EC	3.297in./83.8mm	7
1YAB	3.590in./91.2mm	15	C1AE-A	3.781in./96mm	12	C5DE-A	2.500in./63.5mm	1	EC	3.297in./83.8mm	8
2H	3.906in./99.2mm	4	C1TE	3.297in./83.8mm	7	C5DE-A	3.125in./79.4mm	2	ECE	3.438in./87.3mm	9
2H-A	3.906in./99.2mm	4	C1TE	3.297in./83.8mm	8	C5DE-A	2.938in./74.6mm	1	ECG	3.438in./87.3mm	9
2HA	3.906in./99.2mm	4	C1TE-6303-C	4.200in./106.7mm	16	C5TE	3.188in./80.98mm	3	ECG-6303-B	3.297in./83.8mm	8
2HAB	3.906in./99.2mm	4	C1TE-6303C	4.200in./106.7mm	16	C5TE-6303C	3.188in./80.98mm	3	ECK	3.438in./87.3mm	9
2J	3.906in./99.2mm	4	C1TE-6303F1	3.297in./83.8mm	8	C5TE-B	3.188in./80.98mm	3	ECK-6303-B	3.297in./83.8mm	8
2N	3.906in./99.2mm	4	C1TE-C	4.200in./106.7mm	16	C5TE-C	3.188in./80.98mm	3	ECZ	3.438in./87.3mm	9
2NA	3.906in./99.2mm	4	C1TE-F1	3.297in./83.8mm	8	C5TE-F	3.188in./80.98mm	3	EDD	3.500in./88.9mm	12
2NAB	3.906in./99.2mm	4	C1TE-F	3.297in./83.8mm	7	C5TE-G	3.188in./80.98mm	3	EDD	3.500in./88.9mm	13
2NABC	3.906in./99.2mm	4	C1TE-F	3.297in./83.8mm	8	C5TZ-A	3.188in./80.98mm	3	EDN	4.200in./106.7mm	16
2T	3.500in./88.9mm	12	C2AE-2	3.781in./96mm	12	C5TZ-B	3.188in./80.98mm	3	EDN-6303-A	4.200in./106.7mm	16
2T	3.500in./88.9mm	13	C2AE-A	3.297in./83.8mm	7	C6AE-E	3.188in./80.98mm	3	EDN-6303A	4.200in./106.7mm	16
2TA	3.500in./88.9mm	12	C2AE-A	3.297in./83.8mm	8	C6TE-6303G	3.188in./80.98mm	3	H	3.590in./91.2mm	15
2TA	3.500in./88.9mm	13	C2AE-B	3.781in./96mm	12	C6TE-G	3.188in./80.98mm	3	ZYA	3.590in./91.2mm	15
3C	3.500in./88.9mm	10	C2AE-D	3.781in./96mm	12	C8SE-A	3.590in./91.2mm	15			
3M	3.500in./88.9mm	10	C2DE-A	2.500in./63.5mm	1	C9AE-A	3.590in./91.2mm	15			

COUNTER DATA**SHOP DATA**

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
1	144 CID (2.4L) Ford 6 Cyl (1960-1964)			3.500in./88.9mm x 2.500in./63.5mm				1
	170 CID (2.8L) Ford 6 Cyl (1961-1973)			3.500in./88.9mm x 2.938in./74.6mm				
Rod Bearing(6)	TM-77	CB-583P	STD, 1, 10, 20, 30, 40, G60	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set	TM-77	MS-518G	STD, 10, 20, 30, 40	2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200
1-2-4		MB-2002G		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710
3		MB-2003G(F)						
Cam Bearing Set	B-1	SH-703S	STD					
1		SH-703		1.8095/1.8105	0.0010/0.0050	0.0833	1.9780/1.9790	0.7300
2		SH-412		1.8095/1.8105	0.0010/0.0050	0.0758	1.9630/1.9640	0.7300
3		SH-413		1.8095/1.8105	0.0010/0.0050	0.0683	1.9480/1.9490	0.7300
4		SH-414		1.8095/1.8105	0.0010/0.0050	0.0608	1.9330/1.9340	0.7300
Rod Forging	B10, C1DE, C30E, CODE, D8BE, D8BE-6205							
C/S Forging	1F, 1G, 1H, 1HA, C2DE-A, C30E-A, C30Z-A, C30Z-E, C5DE-A, CTR-CB							
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							

FORD MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
2	200 CID (3.3L) OHV Ford 6 Cyl (1964-1983)			3.680in./93.5mm x 3.125in./79.4mm				2
Rod Bearing(6)	TM-77	CB-583P	STD,1,10,20,30,40,G60	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set	TM-77	MS-518G	STD,10,20,30,40					
1-2-4		MB-2002G		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200
3		MB-2003G(F)		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710
NOTE: Engines With 4 Main Bearings								
Main Bearing Set	TM-77	MS-771G	STD,10,20,30,40					
1-2-3-4-6-7		MB-2002G		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200
5		MB-2003G(F)		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710
NOTE: Thru 5/1/75, Engines With 7 Main Bearings, Contains Full Grooved Bearings								
Main Bearing Set	TM-77	MS-1389AL	STD,10,20,30,40					
1-2-3-4-6-7		MB-2692AL		2.2482/2.2490	0.0007/0.0033	0.0760	2.4012/2.4020	1.0200
5		MB-2693AL(F)		2.2482/2.2490	0.0007/0.0033	0.0760	2.4012/2.4020	1.2710
NOTE: From 5/2/75, Engines With 7 Main Bearings, Contains Partial Grooved Main Bearings								
Cam Bearing Set	B-1	SH-703S	STD					
1		SH-703		1.8095/1.8105	0.0010/0.0050	0.0833	1.9780/1.9790	0.7300
2		SH-412		1.8095/1.8105	0.0010/0.0050	0.0758	1.9630/1.9640	0.7300
3		SH-413		1.8095/1.8105	0.0010/0.0050	0.0683	1.9480/1.9490	0.7300
4		SH-414		1.8095/1.8105	0.0010/0.0050	0.0608	1.9330/1.9340	0.7300
Rod Forging	B10, C1DE, C30E, CODE, D8BE, D8BE-6205							
C/S Forging	1F, 1G, 1H, 1HA, C2DE-A, C30E-A, C30Z-A, C30Z-E, C30E-A, C30Z-A, C30Z-E, C5DE-A							
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
3	240 CID (4.0L) OHV Ford 6 Cyl			4.000in./101.6mm x 3.188in./80.98mm				3
Rod Bearing(6)	TM-77	CB-699P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0002/0.0028	0.0756	2.2750/2.2758	0.8000
Rod Bearing(6)	TM-77	CB-1799P-10	20,30,40	2.1228/2.1236	0.0002/0.0028	0.0766	2.2770/2.2778	0.8000
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-765P	STD,10,20,30					
1-2-3-4-6-7		MB-2553P		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	0.9700
5		MB-2296P(F)		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	1.1950
NOTE: Thru 1965, Engines With 3.368" Main Bearing Flange Outside Diameter								
Main Bearing Set	TM-77	MS-979P	STD,1,10,20,30,40,C60					
1-2-3-4-6-7		MB-2553P		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	0.9700
5		MB-2554P(F)		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	1.1950
NOTE: From 1966, Engines With 3.567" Main Bearing Flange Outside Diameter, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set	AL-3	SH-567S	STD,10					
1-2-3-4		SH-567		2.0170/2.0180	0.0010/0.0050	0.0625	2.1440/2.1450	0.8700
Rod Forging	C5TE, C8TE, C5AE-A, C5TE-A, C5TE-B, C5TE-F, C5TE-G, C5TZ-A, C5TZ-B, C8AE-A, C8TE-A, C5TE-6303C							
C/S Forging	1L, 1N, 1LA, 1NA, 1LAB, 1NAB, C5TE, 1NABC, C5TE-B, C5TE-C, C5TE-F, C5TE-G, C5TZ-A, C5TZ-B, C6AE-E, C6TE-G, C5TE-6303C, C6TE-6303G							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
4	250 CID (4.1L) Ford 6 Cyl (1969-1980)			3.680in./93.5mm x 3.906in./99.2mm				4
Rod Bearing(6)	TM-77	CB-583P	STD,1,10,20,30,40,G60	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set	TM-77	MS-979P	STD,1,10,20,30,40,C60					
1-2-3-4-6-7		MB-2553P		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	0.9700
5		MB-2554P(F)		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	1.1950
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-703S	STD					
1		SH-703		1.8095/1.8105	0.0010/0.0050	0.0833	1.9780/1.9790	0.7300
2		SH-412		1.8095/1.8105	0.0010/0.0050	0.0758	1.9630/1.9640	0.7300
3		SH-413		1.8095/1.8105	0.0010/0.0050	0.0683	1.9480/1.9490	0.7300
4		SH-414		1.8095/1.8105	0.0010/0.0050	0.0608	1.9330/1.9340	0.7300
Rod Forging	C9DE-A, D8DE-AA							
C/S Forging	2H, 2J, 2N, 2HA, 2NA, 2H-A, 2HAB, 2NAB, 2NABC, C9DE-A							
Connecting Rod	21 To 26 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
5	300 CID (4.9L) Ford 6 Cyl			4.000in./101.6mm x 3.980in./101.1mm				5
Rod Bearing(6)	TM-77	CB-699P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0002/0.0028	0.0756	2.2750/2.2758	0.8000

FORD MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
5 (Cont.)	300 CID (4.9L) Ford 6 Cyl			4.000in./101.6mm x 3.980in./101.1mm				5 (Cont.)
Rod Bearing(6)	TM-77	CB-1799P-10	20,30,40	2.1228/2.1236	0.0002/0.0028	0.0766	2.2770/2.2778	0.8000
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4-6-7 5	TM-77	MS-765P MB-2553P MB-2296P(F)	STD,10,20,30	2.3982/2.3990 2.3982/2.3990	0.0005/0.0031 0.0005/0.0031	0.0955 0.0955	2.5902/2.5910 2.5902/2.5910	0.9700 1.1950
NOTE: Thru 1965, Engines With 3.368" Main Bearing Flange Outside Diameter								
Main Bearing Set 1-2-3-4-6-7 5	TM-77	MS-979P MB-2553P MB-2554P(F)	STD,1,10,20,30,40,C60	2.3982/2.3990 2.3982/2.3990	0.0005/0.0031 0.0005/0.0031	0.0955 0.0955	2.5902/2.5910 2.5902/2.5910	0.9700 1.1950
NOTE: From 1966, Engines With 3.567" Main Bearing Flange Outside Diameter, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set 1-2-3-4	AL-3	SH-567S SH-567	STD,10	2.0170/2.0180	0.0010/0.0050	0.0625	2.1440/2.1450	0.8700
NOTE: Thru 5/14/85								
Cam Bearing Set 1-4 2-3	AL-3	SH-1254S SH-1254 SH-567	STD	2.0170/2.0180 2.0170/2.0180	0.0010/0.0050 0.0010/0.0050	0.0695 0.0625	2.1580/2.1589 2.1440/2.1450	0.8700 0.8700
NOTE: From 5/15/85								
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
8 CYL								
6	221 CID (3.6L) Ford V8 Cyl 260 CID (4.3L) Ford V8 Cyl 289 CID (4.7L) 260,289 Ford V8 Cyl 302 CID (5.0L) 302 Ford V8 Cyl			3.500in./88.9mm x 2.875in./73mm 3.800in./96.5mm x 2.870in./72.9mm 4.000in./101.6mm x 2.870in./72.9mm 4.000in./101.6mm x 3.000in./76.2mm				6
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	AL-5	MS-590A-10 MB-2121A MB-2122A(F)	20,30	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
Main Bearing Set 1-2-4-5 3	TM-77	MS-590P MB-2121P MB-2122P(F)	STD,1,10,20,30,40	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
Main Bearing Set 1-2-4-5 3	TM-77	MS-1746P-10 MB-2121P MB-3124P(F)	20,30	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3 4 5	B-1	SH-510S SH-510 SH-511 SH-512 SH-513 SH-514	STD,10	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
C/S Forging C20Z, C30Z, C20Z-B, C3AF-N, C30Z-B								
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
7	239 CID (3.9L) OHV Ford V8 Cyl 256 CID (4.2L) Ford V8 Cyl 272 CID (4.5L) Ford V8 Cyl			3.500in./88.9mm x 3.100in./78.7mm 3.625in./92.1mm x 3.100in./78.7mm 3.625in./92.1mm x 3.297in./83.8mm				7
Rod Bearing(8)	TM-77	CB-461P	STD,1,2,10,20,30,40,50,C60	2.1880/2.1888	0.0005/0.0020	0.0617	2.3120/2.3128	0.7460
Main Bearing Set 1-2-4-5 3	TM-77	MS-178P MB-1575P MB-1621P(F)	STD,10,20,30,40,C60	2.4980/2.4988 2.4980/2.4988	0.0005/0.0031 0.0005/0.0031	0.0962 0.0962	2.6912/2.6920 2.6912/2.6920	0.9120 1.1200
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								

FORD MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
7 (Cont.)	239 CID (3.9L) OHV Ford V8 Cyl			3.500in./88.9mm x 3.100in./78.7mm				7 (Cont.)
	256 CID (4.2L) Ford V8 Cyl			3.625in./92.1mm x 3.100in./78.7mm				
	272 CID (4.5L) Ford V8 Cyl			3.625in./92.1mm x 3.297in./83.8mm				
Cam Bearing Set	B-1	SH-559S	STD,10					
1		SH-285		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.8900
2-3-4-5		SH-559		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.6300
NOTE: Grooved Number 3 Camshaft Journal								
Piston Pin Bushing(8)	B	223-3451	STD			0.0360	0.8115/0.8125	1.3220
NOTE: Requires Light Reaming								
Rod Forging	EBU, ECC, ECE, EDC, C1TE-C, C2AE-A							
C/S Forging	EC, EBU, B3C7, C1TE, C9TE, B4A-B, C1TE-F, C2AE-A, B4A-6303-B, B5A-6303-B, EBU-6303-A							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
8	292 CID (4.8L) Ford V8 Cyl (1955-1962)			3.750in./95.3mm x 3.297in./83.8mm				8
Rod Bearing(8)	TM-77	CB-461P	STD,1,2,10,20,30,40,50,C60	2.1880/2.1888	0.0005/0.0020	0.0617	2.3120/2.3128	0.7460
Main Bearing Set	TM-77	MS-178P	STD,10,20,30,40,C60					
1-2-4-5		MB-1575P		2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	0.9120
3		MB-1621P(F)		2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	1.1200
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-559S	STD,10					
1		SH-285		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.8900
2-3-4-5		SH-559		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.6300
NOTE: Grooved Number 3 Camshaft Journal								
Piston Pin Bushing(8)	C-1	223-3515	STD			0.0365	0.9730/0.9750	1.2000
NOTE: 1961-1962, Requires Light Reaming, 1.190" Length								
Piston Pin Bushing(8)	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
NOTE: 1955-1960, Requires Boring, 1.240" Length								
Rod Forging	EBU, ECC, ECE, EDC, C1TE-C, C2AE-A							
C/S Forging	EC, B616, C1TE, C1TE-F, C2AE-A, C9TE-A, C1TE-F1, B5A-6303-B, B5Q-6303-A, B5S-6303-A, ECG-6303-B, ECK-6303-B, C1TE-6303F1							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
9	312 CID (5.1L) Ford V8 Cyl			3.800in./96.5mm x 3.438in./87.3mm				9
	312 CID (5.1L) Ford Supercharged V8 Cyl			3.800in./96.5mm x 3.438in./87.3mm				
Rod Bearing(8)	TM-77	CB-461P	STD,1,2,10,20,30,40,50,C60	2.1880/2.1888	0.0005/0.0020	0.0617	2.3120/2.3128	0.7460
Main Bearing Set	TM-77	MS-195P-10	20					
1-2-4-5		MB-1717P		2.6235/2.6243	0.0005/0.0029	0.0959	2.8160/2.8168	0.8720
3		MB-1718P(F)		2.6235/2.6243	0.0005/0.0029	0.0959	2.8160/2.8168	1.1200
Cam Bearing Set	B-1	SH-559S	STD,10					
1		SH-285		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.8900
2-3-4-5		SH-559		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.6300
Piston Pin Bushing(8)	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
NOTE: Requires Boring								
Rod Forging	ECZ, ECZ-6205B							
C/S Forging	ECE, ECG, ECK, ECZ							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
10	351 CID (5.8L) 223,225TR11,233,235,240,250,255,351,351/4,5.8 Litre,8240 Ford Windsor V8 Cyl			4.000in./101.6mm x 3.500in./88.9mm				10
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								

FORD MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
10 (Cont.)	351 CID (5.8L) 223,225TR11,233,235,240,250,255,351,351/4,5.8 Litre,8240 Ford Windsor V8 Cyl				4.000in./101.6mm x 3.500in./88.9mm			10 (Cont.)
Main Bearing Set	TM-77	MS-981P	STD,1,10,20,30,40					
1-2-4-5		MB-2557P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Thru 1976, Full Grooved Main Bearings								
Main Bearing Set	AL-5	MS-1432A-10	20,30					
1-2-4-5		MB-2754A		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558A(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-1432P	STD,1,10,20,30,40					
1-2-4-5		MB-2754P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Cam Bearing Set	B-1	SH-510S	STD,10					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
11	351 CID (5.8L) 351C Ford Cleveland V8 Cyl (1970-1974)				4.000in./101.6mm x 3.500in./88.9mm			11
	351 CID (5.8L) Cobra Jet Ford Cleveland V8 Cyl (1973-1974)				4.000in./101.6mm x 3.500in./88.9mm			
	351 CID (5.8L) High Output Ford Cleveland V8 Cyl (1972)				4.000in./101.6mm x 3.500in./88.9mm			
Rod Bearing(8)	TM-77	CB-927P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0625	2.4361/2.4369	0.7260
Main Bearing Set	TM-77	MS-1010P	STD,10,20,30					
1-2-4-5		MB-2560P		2.7484/2.7492	0.0005/0.0030	0.0962	2.9417/2.9425	0.8800
3		MB-2561P(F)		2.7484/2.7492	0.0005/0.0030	0.0962	2.9417/2.9425	1.1180
Cam Bearing Set	B-1	SH-710S	STD,10					
1		SH-710		2.1240/2.1250	0.0005/0.0045	0.0619	2.2495/2.2505	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	DOAE-A							
C/S Forging	4M, 4MA, 4MAB, DOAE-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
12	352 CID (5.8L) Ford V8 Cyl (1958-1966)				4.000in./101.6mm x 3.500in./88.9mm			12
	390 CID (6.4L) Ford V8 Cyl (1961-1971)				4.050in./102.9mm x 3.781in./96mm			
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
Rod Bearing(8)	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-445P	STD,10,20					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-1825P(F)		2.7484/2.7492	0.0007/0.0033	0.0958	2.9412/2.9420	1.1180
NOTE: Thru 1963, Contains 3.614"/3.684" Flange Diameter Flanged Bearing								
Main Bearing Set	TM-77	MS-685P	STD,1,10,20,30,40,C60					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2235P(F)		2.7484/2.7492	0.0009/0.0035	0.0957	2.9412/2.9420	1.1180
NOTE: 1964-1965, .060" Undersize Set Contains .019" Oversize Length Flange Bearing,Contains 3.764"/3.824" Flange Diameter Flanged Bearing								
Main Bearing Set	TM-77	MS-863P	STD,1,10,20,30,40,C60					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2442P(F)		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	1.1180
NOTE: From 1966, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								

FORD MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
12 (Cont.)	352 CID (5.8L) Ford V8 Cyl (1958-1966)			4.000in./101.6mm x 3.500in./88.9mm				12
	390 CID (6.4L) Ford V8 Cyl (1961-1971)			4.050in./102.9mm x 3.781in./96mm				(Cont.)
Cam Bearing Set	B-1	SH-781S	STD,10					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-377		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-378		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-379		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-380		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: Except Special 4 Barrel Carburetor, Requires Light Reaming								
Rod Forging	EDC, C0AE, C1AE-A, C1AE-B, C2AE-B, C7TE-A, C1AE-6205A							
C/S Forging	A, 2T, 2TA, EDD, C3AE, C4AE, C5AE, C0AE-B, C1AE-A, C2AE-2, C2AE-B, C2AE-D, C3AE-B, C3AE-C, C3AE-E							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
13	352 CID (5.8L) INTERCEPTOR Ford V8 Cyl (1960)			4.000in./101.6mm x 3.500in./88.9mm				13
	361 CID (5.9L) Super Express Ford V8 Cyl (1958-1959)			4.050in./102.9mm x 3.500in./88.9mm				
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
Rod Bearing(8)	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-445P	STD,10,20					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-1825P(F)		2.7484/2.7492	0.0007/0.0033	0.0958	2.9412/2.9420	1.1180
NOTE: Contains 3.614"/3.684" Flange Diameter Flanged Bearing								
Cam Bearing Set	B-1	SH-781S	STD,10					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-377		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-378		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-379		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-380		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: Requires Light Reaming								
Rod Forging	EDC, C0AE, C1AE-A, C7TE-A, C1AE-6205A							
C/S Forging	A, 2T, 2TA, EDD, C3AE, C4AE, C5AE, C0AE-B							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
14	427 CID (7.0L) Ford V8 Cyl			4.233in./107.5mm x 3.781in./96mm				14
Rod Bearing(8)	TM-77	CB-756P	STD,10,20	2.4380/2.4388	0.0024/0.0050	0.0750	2.5907/2.5915	0.7460
NOTE: Thru 1967, Except Engines With C70E-6200A Connecting Rod And C9AZ-6303D Crankshaft								
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
NOTE: From 1968, Except Engines With Connecting Rod C70E-2700A And Crankshaft C9AZ-6303D								
Rod Bearing(8)	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: From 1968, Connecting Rods With Housing Bore Resized .002" Larger Than Stock,Except Engines With Connecting Rod C70E-2700A And Crankshaft C9AZ-6303D								
Main Bearing Set	TM-77	MS-445P	STD,10,20					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-1825P(F)		2.7484/2.7492	0.0007/0.0033	0.0958	2.9412/2.9420	1.1180
NOTE: Thru 1963, Contains 3.614"/3.684" Flange Diameter Flanged Bearing								
Main Bearing Set	TM-77	MS-685P	STD,1,10,20,30,40,C60					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2235P(F)		2.7484/2.7492	0.0009/0.0035	0.0957	2.9412/2.9420	1.1180
NOTE: From 1964,Thru 1965, .060" Undersize Set Contains .019" Oversize Length Flange Bearing,Contains 3.764"/3.824" Flange Diameter Flanged Bearing								

FORD MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
14 (Cont.)	427 CID (7.0L) Ford V8 Cyl				4.233in./107.5mm x 3.781in./96mm			14 (Cont.)
Main Bearing Set 1-2-4-5 3	TM-77	MS-863P MB-2441P MB-2442P(F)	STD,1,10,20,30,40,C60	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0005/0.0032	0.0961 0.0961	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
NOTE: From 1966, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing, Contains 3.888"/3.948" Flange Diameter Flanged Bearing, Contains Full Grooved Bearings								
Cam Bearing Set 1 2 3 4 5	B-1	SH-643S SH-781 SH-643 SH-644 SH-645 SH-646	STD	2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0919 0.0844 0.0769 0.0694 0.0619	2.3095/2.3105 2.2945/2.2955 2.2795/2.2805 2.2645/2.2655 2.2495/2.2505	0.6300 0.6300 0.6300 0.6300 0.5700
NOTE: From 1966, Wedge Head Engine								
Cam Bearing Set 1 2 3 4 5	B-1	SH-781S SH-781 SH-377 SH-378 SH-379 SH-380	STD,10	2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0919 0.0844 0.0769 0.0694 0.0619	2.3095/2.3105 2.2945/2.2955 2.2795/2.2805 2.2645/2.2655 2.2495/2.2505	0.6300 0.6300 0.6300 0.6300 0.5700
NOTE: Thru 1965								
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: Thru 1963, Requires Light Reaming								
Connecting Rod Main Bearing	53 To 58 Lbs.Ft. 95 To 105 Lbs.Ft.							
15	429 CID (7.0L) Boss Ford V8 Cyl (1970) 429 CID (7.0L) Cobra Jet Ford V8 Cyl (1970-1973) 429 CID (7.0L) Special Ford V8 Cyl (1969-1970) 429 CID (7.0L) Super Cobra Jet Ford V8 Cyl (1971) 429 CID (7.0L) Thunder Jet Ford V8 Cyl (1968-1973) 460 CID (7.5L) 460 Ford V8 Cyl (1968-1978)				4.360in./110.7mm x 3.590in./91.2mm 4.360in./110.7mm x 3.590in./91.2mm 4.360in./110.7mm x 3.590in./91.2mm 4.360in./110.7mm x 3.590in./91.2mm 4.360in./110.7mm x 3.590in./91.2mm 4.360in./110.7mm x 3.850in./97.8mm			15
Rod Bearing(8) NOTE: Except 429 Engines With Engine Tag 820S	TM-77	CB-818P	STD,1,10,20,30,40	2.4992/2.5000	0.0005/0.0031	0.0761	2.6522/2.6530	0.8660
Rod Bearing(8) NOTE: Except 429 Engines With Engine Tag 820S, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1802P-10	20,30	2.4992/2.5000	0.0005/0.0031	0.0771	2.6542/2.6550	0.8660
Main Bearing Set 1-2-4-5 3	TM-77	MS-1039P MB-2564P MB-2565P(F)	STD,1,10,20,30,40	2.9994/3.0002 2.9994/3.0002	0.0007/0.0033 0.0007/0.0033	0.0958 0.0958	3.1922/3.1930 3.1922/3.1930	0.9500 1.1200
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1111S SH-1111	STD,10	2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.6000
Cam Bearing Set 1-2-3-4-5 NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.2645"/2.2655"	AL-3	SH-1766S SH-1766	STD	2.1238/2.1248	0.0011/0.0050	0.0694	2.2645/2.2655	0.6300
Rod Forging C/S Forging	C8VE, D6VE, D9TE, C8VE-A, D0OE-A H, 1V, 4U, 1VA, 4UA, 4UB, ZYA, 1VAB, 1YAB, 4UAB, C8SE-A, C9AE-A, C9AE-B, D9TE-AA, D9TE-EA							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.							
16	534 CID (8.8L) Ford V8 Cyl (1958-1981)				4.500in./114.3mm x 4.200in./106.7mm			16
Rod Bearing(8) NOTE: 1960-1981, 2.710" Diameter Connecting Rod Journal	TM-77	CB-615P	STD,10,20,30,C40,C60	2.7092/2.7100	0.0013/0.0039	0.0962	2.9032/2.9040	0.8920
Main Bearing Set 1-2-4-5 3	TM-77	MS-443P MB-1820P MB-1821P(F)	STD,10,20,30	3.1246/3.1254 3.1246/3.1254	0.0013/0.0039 0.0009/0.0035	0.0956 0.0958	3.3176/3.3184 3.3176/3.3184	1.1050 1.2730
Cam Bearing Set 1 2-3-4-5	B-1	SH-369S SH-369 SH-370	STD	2.4740/2.4750 2.3700/2.3710	0.0010/0.0050 0.0010/0.0050	0.0630 0.0630	2.6020/2.6030 2.4980/2.4990	0.6800 0.6800
Piston Pin Bushing(8) NOTE: Requires Light Reaming	C-1	223-3504	STD			0.0480	1.3040/1.3060	1.5400

FORD MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
16 (Cont.)	534 CID (8.8L) Ford V8 Cyl (1958-1981)				4.500in./114.3mm x 4.200in./106.7mm			16 (Cont.)
Rod Forging	EDL, B9TE							
C/S Forging	EDN, C1TE-C, C2TE-A, C2TE-B, EDN-6303A, C1TE-6303C, EDN-6303-A, C1TE-6303-C							
Connecting Rod Main Bearing	60 To 65 Lbs.Ft. 150 Lbs.Ft.							

GENERAL MOTORS MARINE

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL			8 CYL (Cont.)		
Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	1	Mark IV 465 Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	10
			Mark IV Bravo Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	10
			Mark IV Magnum Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	10
260 Oldsmobile 350 CID (5.7L)	4.057in./103mmX3.385in./86mm	5	Mark V 465 Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	10
280 Oldsmobile 350 CID (5.7L)	4.057in./103mmX3.385in./86mm	5	Mark V 500 Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	10
283 Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	2	Mark V Bravo Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	10
455 Oldsmobile 455 CID (7.5L)	4.125in./104.8mmX4.250in./108mm	8	Mark V MIE Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	10
Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	3	Mark V Magnum Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	10
Chevrolet 427 CID (7.0L)	4.250in./108mmX3.766in./95.7mm	7	Vortec 8100 L18 OHV Chevrolet 496 CID/8135CC (8.1L)	4.252in./108mmX4.370in./111mm	9
Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	4			
Carbureted Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	3			
L80 Oldsmobile 403 CID (6.6L)	4.351in./110.5mmX3.385in./86mm	6			

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
0997	3.385in./86mm	6	3185281	3.250in./82.6mm	3	3703527	3.250in./82.6mm	4	3856239	3.766in./95.7mm	7
380282	3.385in./86mm	6	3185281	3.250in./82.6mm	4	3784000	3.250in./82.6mm	3	3856240	3.766in./95.7mm	7
380283	3.385in./86mm	6	3703526	3.250in./82.6mm	3	3784000	3.000in./76.2mm	2	3892671	3.484in./88.5mm	3
380383	3.385in./86mm	6	3703526	3.000in./76.2mm	2	3784000	3.250in./82.6mm	4	3916396	3.484in./88.5mm	3
384759	4.250in./108mm	8	3703526	3.250in./82.6mm	4	3815281	3.250in./82.6mm	3	3923282	3.484in./88.5mm	3
398410	3.385in./86mm	6	3703527	3.250in./82.6mm	3	3815281	3.000in./76.2mm	2	3933174	3.766in./95.7mm	7
410997	3.385in./86mm	6	3703527	3.000in./76.2mm	2	3815281	3.250in./82.6mm	4	3946841	3.484in./88.5mm	3

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1130	3.250in./82.6mm	3	230905	3.385in./86mm	6	3727449	3.000in./76.2mm	2	3904815	3.766in./95.7mm	7
1130	3.250in./82.6mm	4	230907	4.250in./108mm	8	3727499	3.000in./76.2mm	2	3904816	3.766in./95.7mm	7
1178	3.250in./82.6mm	3	230908	4.250in./108mm	8	3729449	3.000in./76.2mm	2	3911000	3.250in./82.6mm	3
1178	3.000in./76.2mm	2	306275	3.484in./88.5mm	3	3732444	3.484in./88.5mm	3	3911000	3.250in./82.6mm	4
1178	3.250in./82.6mm	4	306276	3.484in./88.5mm	3	3734627	3.000in./76.2mm	2	3911001	3.250in./82.6mm	3
1182	3.484in./88.5mm	3	310514	3.484in./88.5mm	3	3735236	3.000in./76.2mm	2	3911001	3.250in./82.6mm	4
1182	3.250in./82.6mm	4	381269	3.385in./86mm	6	3782680	3.250in./82.6mm	4	3911011	3.250in./82.6mm	3
2680	3.250in./82.6mm	3	381919	3.385in./86mm	6	3782690	3.250in./82.6mm	4	3911011	3.250in./82.6mm	4
2680	3.250in./82.6mm	4	388766	3.385in./86mm	6	3804816	3.766in./95.7mm	7	3912335	3.484in./88.5mm	3
2690	3.484in./88.5mm	3	390275	3.385in./86mm	6	3815822	3.250in./82.6mm	4	3914681	3.250in./82.6mm	3
3279	3.250in./82.6mm	3	391101A	3.250in./82.6mm	3	3832442	3.484in./88.5mm	3	3914681	3.250in./82.6mm	4
3279	3.000in./76.2mm	2	391101A	3.250in./82.6mm	4	3835236TG	3.000in./76.2mm	2	3914682	3.250in./82.6mm	3
3279	3.250in./82.6mm	4	393654	3.385in./86mm	6	3836144	3.766in./95.7mm	7	3914682	3.250in./82.6mm	4
4577	3.250in./82.6mm	3	395654	3.385in./86mm	6	3836236	3.000in./76.2mm	2	3930809	3.250in./82.6mm	3
4577	3.250in./82.6mm	4	397303	4.250in./108mm	8	3836266	3.000in./76.2mm	2	3930809	3.250in./82.6mm	4
4672	3.250in./82.6mm	3	397363	4.250in./108mm	8	3837266	3.000in./76.2mm	2	3932444	3.484in./88.5mm	3
4672	3.250in./82.6mm	4	398261	3.385in./86mm	6	3838266	3.000in./76.2mm	2	3941172	3.250in./82.6mm	3
6223	3.766in./95.7mm	7	398621	3.385in./86mm	6	3849847	3.000in./76.2mm	2	3941172	3.250in./82.6mm	4
6764	3.000in./76.2mm	2	400934	4.250in./108mm	8	3874874	3.766in./95.7mm	7	3941174	3.250in./82.6mm	3
7115	3.766in./95.7mm	7	403707	4.250in./108mm	8	3876764	3.000in./76.2mm	2	3941174	3.250in./82.6mm	4
9115	3.766in./95.7mm	7	405954	4.250in./108mm	8	3876764	3.000in./76.2mm	2	3941180	3.766in./95.7mm	7
230276	3.385in./86mm	6	418882	3.385in./86mm	6	3882842	3.766in./95.7mm	7	3941184	3.484in./88.5mm	3
230331	4.250in./108mm	8	556607	3.385in./86mm	6	3882847	3.766in./95.7mm	7	3942411	3.766in./95.7mm	7
230376	3.385in./86mm	6	1235419	3.385in./86mm	6	3882848	3.766in./95.7mm	7	4568749	3.484in./88.5mm	3
230377	4.250in./108mm	8	1375802	3.385in./86mm	6	3882849	3.766in./95.7mm	7	5782680	3.250in./82.6mm	4
230378	4.250in./108mm	8	1398346	3.385in./86mm	6	3887114	3.766in./95.7mm	7			

GENERAL MOTORS MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	181 CID (3.0L) Chevrolet 4 Cyl			4.000in./101.6mm x 3.600in./91.4mm				1
Rod Bearing(4)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(4)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(4)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(4)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4	TM-77	MS-1733P	STD,1,10,20,30,40	2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
5		MB-3135P MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set 1-2-3	AL-3	SH-1030S SH-400	STD,10	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
8 CYL								
2	283 CID (4.6L) 283 Chevrolet V8 Cyl			3.875in./98.4mm x 3.000in./76.2mm				2
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set 1-2-3-4	TM-77	MS-429P	STD,1,10,20,30,40	2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
5		MB-3135P MB-1769P(F)		2.2978/2.2988	0.0011/0.0041	0.0955	2.4906/2.4916	1.7180
Cam Bearing Set 1	B-1	SH-287S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-288		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
5		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Thru 1963				1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.9500
Cam Bearing Set 1	B-1	SH-290S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-288		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: From 1964				1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: From 1964,Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: From 1964,Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3703526, 3703527, 3784000, 3815281							
C/S Forging	1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft. (2.298" Diameter Main Bearing Journals)							
3	307 CID (5.0L) Chevrolet V8 Cyl			3.875in./98.4mm x 3.250in./82.6mm				3
	350 CID (5.7L) Carbureted Chevrolet V8 Cyl			4.000in./101.6mm x 3.484in./88.5mm				
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4	AL-5	MS-909A-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508A MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set 1-2-3-4	TM-77	MS-909P	STD,1,2,10,20,30,40,C60	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1626P-10	20,30,40	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								

GENERAL MOTORS MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
3 (Cont.)	307 CID (5.0L) Chevrolet V8 Cyl			3.875in./98.4mm x 3.250in./82.6mm				3 (Cont.)
	350 CID (5.7L) Carbureted Chevrolet V8 Cyl			4.000in./101.6mm x 3.484in./88.5mm				
Main Bearing Set 1-2-3-4 5	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
Cam Bearing Set 1 2-5 3-4	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3185281, 3703526, 3703527, 3784000, 3815281, 3892671, 3916396, 3923282, 3946841 1130, 1178, 1182, 2680, 2690, 3279, 4577, 4672, 306275, 306276, 310514, 3732444, 3832442, 3911000, 3911001, 3911011, 391101A, 3912335, 3914681, 3914682, 3930809, 3932444, 3941172, 3941174, 3941184, 4568749							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
4	327 CID (5.4L) Chevrolet V8 Cyl			4.000in./101.6mm x 3.250in./82.6mm				4
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 2.000" Diameter Crankshaft Rod Journal	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Main Bearing Set 1-2-3-4 5	TM-77	MS-429P MB-3135P MB-1769P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2978/2.2988	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
NOTE: 2.298" Diameter Main Bearing Journals								
Main Bearing Set 1-2-3-4 5	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: 2.448" Diameter Main Bearing Journals								
Main Bearing Set 1-2-3-4 5	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: 2.448" Diameter Main Bearing Journals, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: 2.448" Diameter Main Bearing Journals, Contains .020" Oversize Length Flanged Bearing								

GENERAL MOTORS MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
4 (Cont.)	327 CID (5.4L) Chevrolet V8 Cyl				4.000in./101.6mm x 3.250in./82.6mm			4 (Cont.)
Main Bearing Set 1-2-3-4 5	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: 2.448" Diameter Main Bearing Journals, Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: 2.448" Diameter Main Bearing Journals, Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3-4 5	B-1	SH-287S SH-290 SH-288 SH-287 SH-289	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644 0.0694	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500 0.9500
NOTE: Thru 1963								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: From 1964								
Cam Bearing Set 1 2-5 3-4	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: From 1964, Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3185281, 3703526, 3703527, 3784000, 3815281 1130, 1178, 1182, 2680, 3279, 4577, 4672, 3782680, 3782690, 3815822, 3911000, 3911001, 3911011, 391101A, 3914681, 3914682, 3930809, 3941172, 3941174, 5782680							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft. (2.298" Diameter Main Bearing Journals)							
Main Bearing	75 Lbs.Ft. (2.448" Diameter Main Bearing Journals)							
5	350 CID (5.7L) 260,280 Oldsmobile V8 Cyl (1968-1980)				4.057in./103mm x 3.385in./86mm			5
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40	2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310
Main Bearing Set 1 2-4 3 5	TM-77	MS-805P MB-2365P MB-2251P MB-2252P(F) MB-2253P	STD,1,10,20,30	2.4985/2.4995 2.4985/2.4995 2.4985/2.4995 2.4985/2.4995	0.0006/0.0036 0.0006/0.0036 0.0006/0.0036 0.0014/0.0044	0.0936 0.0936 0.0936 0.0932	2.6870/2.6880 2.6870/2.6880 2.6870/2.6880 2.6870/2.6880	0.9800 0.9800 1.1950 1.6290
Cam Bearing Set 1 2 3 4 5	AL-3	SH-1354S SH-1354 SH-1355 SH-1356 SH-1357 SH-1358	STD	2.0357/2.0365 2.0157/2.0165 1.9957/1.9965 1.9757/1.9765 1.9557/1.9565	0.0020/0.0060 0.0020/0.0060 0.0020/0.0060 0.0020/0.0060 0.0020/0.0060	0.0648 0.0648 0.0648 0.0648 0.0648	2.1680/2.1695 2.1480/2.1495 2.1280/2.1295 2.1080/2.1095 2.0880/2.0895	0.6980 0.6980 0.6980 0.6980 0.6980
NOTE: Thru 1976								
Cam Bearing Set 1 2 3 4 5	AL-3	SH-1355S SH-1359 SH-1355 SH-1356 SH-1357 SH-1358	STD	2.0357/2.0365 2.0157/2.0165 1.9957/1.9965 1.9757/1.9765 1.9557/1.9565	0.0020/0.0060 0.0020/0.0060 0.0020/0.0060 0.0020/0.0060 0.0020/0.0060	0.0648 0.0648 0.0648 0.0648 0.0648	2.1680/2.1695 2.1480/2.1495 2.1280/2.1295 2.1080/2.1095 2.0880/2.0895	0.6980 0.6980 0.6980 0.6980 0.6980
NOTE: From 1977								

GENERAL MOTORS MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
5 (Cont.)	350 CID (5.7L) 260,280 Oldsmobile V8 Cyl (1968-1980)			4.057in./103mm x 3.385in./86mm				5 (Cont.)
Connecting Rod	42 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)							
6	403 CID (6.6L) L80 Oldsmobile V8 Cyl (1977-1979)			4.351in./110.5mm x 3.385in./86mm				6
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40	2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310
Main Bearing Set	TM-77	MS-805P	STD,1,10,20,30					
1		MB-2365P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
2-4		MB-2251P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
3		MB-2252P(F)		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950
5		MB-2253P		2.4985/2.4995	0.0014/0.0044	0.0932	2.6870/2.6880	1.6290
Cam Bearing Set	AL-3	SH-1355S	STD					
1		SH-1359		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
Rod Forging	0997, 380282, 380283, 380383, 398410, 410997							
C/S Forging	230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 556607, 1235419, 1375802, 1398346							
Connecting Rod	42 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)							
7	427 CID (7.0L) Chevrolet V8 Cyl			4.250in./108mm x 3.766in./95.7mm				7
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set	AL-5	MS-829A-10	20,30					
1-2-3-4		MB-2403A		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404A(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set	TM-77	MS-829P	STD,1,10,20,30,40					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set	TM-77	MS-1745P-10	20,30					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-3120P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1748P-10	20					
1-2-3-4		MB-3123P		2.7482/2.7492	0.0007/0.0032	0.1087	2.9570/2.9580	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set	B-1	SH-615S	STD					
1		SH-615		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
5		SH-618		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
NOTE: Thru 1966								
Cam Bearing Set	B-1	SH-616S	STD					
1		SH-615		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
NOTE: From 1967								
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	6223, 7115, 9115, 3804816, 3836144, 3874874, 3882842, 3882847, 3882848, 3882849, 3887114, 3904815, 3904816, 3941180, 3942411							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							
8	455 CID (7.5L) 455 Oldsmobile V8 Cyl (1968-1976)			4.125in./104.8mm x 4.250in./108mm				8
Rod Bearing(8)	TM-77	CB-542P	STD,1,10,20,30,40	2.4988/2.4998	0.0007/0.0032	0.0620	2.6245/2.6250	0.8310

GENERAL MOTORS MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
8 (Cont.)	455 CID (7.5L) 455 Oldsmobile V8 Cyl (1968-1976)			4.125in./104.8mm x 4.250in./108mm				8 (Cont.)
Main Bearing Set	TM-77	MS-804P	STD,10,20,30					
1		MB-2362P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9800
2-4		MB-2163P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9790
3		MB-2363P(F)		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	1.1950
5		MB-2364P		2.9993/3.0003	0.0016/0.0049	0.0932	3.1880/3.1890	1.6290
Cam Bearing Set	AL-3	SH-1354S	STD					
1		SH-1354		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
Rod Forging	384759							
C/S Forging	230331, 230377, 230378, 230907, 230908, 397303, 397363, 400934, 403707, 405954							
Connecting Rod	32 To 42 Lbs.Ft.							
Main Bearing	90 To 120 Lbs.Ft.							
9	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet V8 Cyl (2001-2003)			4.252in./108mm x 4.370in./111mm				9
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set	AL-5	MS-2235AL	STD,10,20					
1-2-3-4		MB-3774AL		2.7482/2.7489	0.0010/0.0033	0.0937	2.9370/2.9380	1.0470
5		MB-3775AL(F)		2.7482/2.7489	0.0005/0.0022	0.0940	2.9373/2.9378	1.8110
Cam Bearing Set	B-1	SH-616S	STD					
1		SH-615		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
10	502 CID (8.2L) Mark IV 465 Chevrolet V8 Cyl (1990-1994)			4.470in./113.5mm x 4.000in./101.6mm				10
	502 CID (8.2L) Mark IV Bravo,Mark IV Magnum Chevrolet V8 Cyl (1990-1992)			4.470in./113.5mm x 4.000in./101.6mm				
	502 CID (8.2L) Mark V 465,Mark V 500,Mark V Bravo,Mark V Magnum Chevrolet V8 Cyl (1990-1995)			4.470in./113.5mm x 4.000in./101.6mm				
	502 CID (8.2L) Mark V MIE Chevrolet V8 Cyl (1992-1995)			4.470in./113.5mm x 4.000in./101.6mm				
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set	AL-5	MS-829A-10	20,30					
1-2-3-4		MB-2403A		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404A(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set	TM-77	MS-829P	STD,1,10,20,30,40					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set	TM-77	MS-1745P-10	20,30					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-3120P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1748P-10	20					
1-2-3-4		MB-3123P		2.7482/2.7492	0.0007/0.0032	0.1087	2.9570/2.9580	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set	B-1	SH-616S	STD					
1		SH-615		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900

GLASTROM MARINE									
ENGINE DATA									
Engine		Bore & Stroke		Block	Engine		Bore & Stroke		Block
302 Ford 302 CID (5.0L)		4.000in./101.6mmX3.000in./76.2mm		1	351 Ford Windsor 351 CID (5.8L)		4.000in./101.6mmX3.500in./88.9mm		2
CONNECTING ROD FORGING NUMBERS									
Forging No.	Stroke	Block	Forging No.	Stroke	Block				
C90E	3.500in./88.9mm	2	D60E	3.500in./88.9mm	2				
CRANKSHAFT FORGING NUMBERS									
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	
3C	3.500in./88.9mm	2	3MA	3.500in./88.9mm	2	7MA	3.500in./88.9mm	2	
3M	3.500in./88.9mm	2	7M	3.500in./88.9mm	2	C90E-A	3.500in./88.9mm	2	
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL									
1	302 CID (5.0L) 302 Ford V8 Cyl				4.000in./101.6mm x 3.000in./76.2mm				1
Rod Bearing(8)	AL-5	CB-634A-10	20,30		2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60		2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30		2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40		2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	AL-5	MS-590A-10	20,30						
1-2-4-5		MB-2121A			2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122A(F)			2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-590P	STD,1,10,20,30,40						
1-2-4-5		MB-2121P			2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122P(F)			2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-1746P-10	20,30						
1-2-4-5		MB-2121P			2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-3124P(F)			2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing									
Cam Bearing Set	B-1	SH-510S	STD,10						
1		SH-510			2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511			2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512			2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513			2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514			2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Connecting Rod	19 To 24 Lbs.Ft.								
Main Bearing	60 To 70 Lbs.Ft.								
2	351 CID (5.8L) 351 Ford Windsor V8 Cyl				4.000in./101.6mm x 3.500in./88.9mm				2
Rod Bearing(8)	AL-5	CB-831A-10	20,30		2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40		2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30		2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40		2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	TM-77	MS-981P	STD,1,10,20,30,40						
1-2-4-5		MB-2557P			2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558P(F)			2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Thru 1976, Full Grooved Main Bearings									
Main Bearing Set	AL-5	MS-1432A-10	20,30						
1-2-4-5		MB-2754A			2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558A(F)			2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings									
Main Bearing Set	TM-77	MS-1432P	STD,1,10,20,30,40						
1-2-4-5		MB-2754P			2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB2558P(F)			2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings									

GLASTROM MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
2 (Cont.)	351 CID (5.8L) 351 Ford Windsor V8 Cyl			4.000in./101.6mm x 3.500in./88.9mm				2 (Cont.)
Cam Bearing Set	B-1	SH-510S	STD,10					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	C90E, D60E							
C/S Forging	3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							

GRAY MARINE

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL			6 CYL (Cont.)		
4-75 Continental 162 CID (2.7L)	3.438in./87.33mmX4.375in./111.1mm	2	Express Six Continental 226 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	3
4-85 Continental 162 CID (2.7L)	3.438in./87.33mmX4.375in./111.1mm	2	Fireball Six 140 Continental 244 CID (4.0L)	3.438in./87.33mmX4.375in./111.1mm	4
Express 4 Continental 69 CID (1.1L)	2.500in./63.5mmX3.500in./88.9mm	1	Fireball Six 150 Continental 244 CID (4.0L)	3.438in./87.33mmX4.375in./111.1mm	4
Express 4 Continental 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	2	Fireball Six 160 Continental 244 CID (4.0L)	3.438in./87.33mmX4.375in./111.1mm	4
Four 2 Continental 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	2	Lugger Six Continental 226 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	3
Four 40 Continental 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	2	Model 150 Continental 330 CID (5.4L)	4.000in./101.6mmX4.375in./111.1mm	6
Four 140 Continental 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	2	Phantom Six 125 Continental 244 CID (4.0L)	3.438in./87.33mmX4.375in./111.1mm	4
Four-45 Continental 91 CID (1.5L)	2.875in./73mmX3.500in./88.9mm	1	Six 77 Continental 226 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	3
Four-80 Continental 162 CID (2.7L)	3.438in./87.33mmX4.375in./111.1mm	2	Six 91 Continental 226 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	3
Four-112 Continental 112 CID (1.8L)	3.188in./80.98mmX3.500in./88.9mm	1	Six 100 Continental 226 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	3
Four-162 Continental 162 CID (2.7L)	3.438in./87.33mmX4.375in./111.1mm	2	Six 110 Continental 226 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	3
Light 4 Continental 69 CID (1.1L)	2.500in./63.5mmX3.500in./88.9mm	1	Six 226 Continental 226 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	3
Lugger Four 112 Continental 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	2	Six 244 Continental 244 CID (4.0L)	3.438in./87.33mmX4.375in./111.1mm	4
Model 70 Continental 162 CID (2.7L)	3.438in./87.33mmX3.563in./90.5mm	2	8 CYL		
Phantom Four 62 Continental 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	2	American Motors 390 CID (6.4L)	4.165in./105.8mmX3.574in./90.8mm	8
Phantom Four 620 Continental 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	2	Buick 455 CID (7.5L)	4.313in./109.6mmX3.900in./99mm	9
Sea Scout-91 Continental 91 CID (1.5L)	2.875in./73mmX3.500in./88.9mm	1	American Motors 360 CID (5.9L)	4.080in./103.6mmX3.438in./87.3mm	7
6 CYL			American Motors 304 CID (5.0L)	3.750in./95.3mmX3.438in./87.3mm	7
American Motors 258 CID (4.2L)	3.750in./95.3mmX3.906in./99.2mm	5			

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
707	3.438in./87.3mm	7	1385363	3.900in./99mm	9	3196750	3.438in./87.3mm	7	Y400D-400	3.500in./88.9mm	1
1373496	3.900in./99mm	9	3182749	3.438in./87.3mm	7	3197047	3.438in./87.3mm	7			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1379242	3.900in./99mm	9	3213754	3.438in./87.3mm	7	Y400C-225	3.500in./88.9mm	1	Y400C-508	3.500in./88.9mm	1
3159292	3.438in./87.3mm	7	3214724	3.438in./87.3mm	7	Y400C-334	3.500in./88.9mm	1	Y400C-511D	3.500in./88.9mm	1
3178451C	3.438in./87.3mm	7	4487237	3.438in./87.3mm	7	Y400C-335	3.500in./88.9mm	1			
3195292	3.438in./87.3mm	7	RD51261	3.438in./87.3mm	7	Y400C-338	3.500in./88.9mm	1			

GRAY MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	69 CID (1.1L) Express 4,Light 4 Continental 4 Cyl 91 CID (1.5L) Four-45,Sea Scout-91 Continental 4 Cyl 112 CID (1.8L) Four-112 Continental 4 Cyl				2.500in./63.5mm x 3.500in./88.9mm 2.875in./73mm x 3.500in./88.9mm 3.188in./80.98mm x 3.500in./88.9mm			1
Rod Bearing(2)	TM-112	CB-278P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050
NOTE: Positions 1 And 3								
Rod Bearing(2)	TM-112	CB-279P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050
NOTE: Positions 2 And 4								
Main Bearing Set	TM-77	MS-806P	STD,10,30					
1		MB-2366P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.2230
2		MB-1651P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470
3		MB-1652P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-143S								
Thrust Washer Set		TW-143S	STD					
		MB-1653W		1.7812			2.6250	0.0950
NOTE: Contains 2 Pieces, Position Number 1, Use With Part Number MS-806P								
Cam Bearing Set	AL-3	SH-191S	STD					
1		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3503	STD			0.0320	0.7622/0.7632	1.0630
NOTE: Requires Light Reaming, .765" Outside Diameter								
Connecting Rod Main Bearing	20 To 25 Lbs.Ft. 35 To 40 Lbs.Ft.							
2	140 CID (2.3L) Express 4,Four 140,Four 2,Four 40,Lugger Four 112,Phantom Four 62,Phantom Four 620 Continental 4 Cyl 162 CID (2.7L) 4-75,4-85,Four-162,Four-80 Continental 4 Cyl 162 CID (2.7L) Model 70 Continental 4 Cyl				3.188in./80.98mm x 4.375in./111.1mm 3.438in./87.33mm x 4.375in./111.1mm 3.438in./87.33mm x 3.563in./90.5mm			2
Rod Bearing(2)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 2 And 4								
Rod Bearing(2)		CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 1 And 3								
Main Bearing Set	TM-77	MS-176P-10	20,30					
1		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
2		MB-1406P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.6300
3		MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set		TW-424S	STD					
		MB-1403W		2.2812			3.0625	0.0960
NOTE: Contains 1 Piece, Position Number 1, Use With Part Number MS-176P-10								
Cam Bearing Set	AL-3	SH-56S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring, 1.066" Outside Diameter								
6 CYL								
3	226 CID (3.7L) Express Six,Lugger Six,Six 100,Six 110,Six 226,Six 77,Six 91 Continental 6 Cyl				3.313in./84.1mm x 4.375in./111.1mm			3
Rod Bearing(6)		CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)		CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								

GRAY MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
3 (Cont.)	226 CID (3.7L) Express Six,Lugger Six,Six 100,Six 110,Six 226,Six 77,Six 91 Continental 6 Cyl					3.313in./84.1mm x 4.375in./111.1mm		3 (Cont.)
Main Bearing Set 1 2-3 4	TM-77	MS-440P-20 MB-1682P MB-1225P MB-1226P		2.3744/2.3752 2.3744/2.3752 2.3744/2.3752	0.0010/0.0031 0.0010/0.0031 0.0010/0.0031	0.0928 0.0928 0.0928	2.5616/2.5622 2.5615/2.5622 2.5616/2.5622	1.0670 1.3170 1.4890
NOTE: Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set		TW-417S MB-1224FW	STD	2.4062			3.3125	0.1260
NOTE: Contains 1 Piece, Front,Position Number 1, .126" Thickness								
Thrust Washer Set		TW-418S MB-1224RW	STD	2.4030			3.3750	0.0950
NOTE: Contains 1 Piece, Position Number 1,Rear, .095" Thickness								
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
4	244 CID (4.0L) Fireball Six 140,Fireball Six 150,Fireball Six 160,Phantom Six 125,Six 244 Continental 6 Cyl					3.438in./87.33mm x 4.375in./111.1mm		4
Rod Bearing(6)		CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3,And 5 Except Connecting Rod Forging Number Ending in 402								
Rod Bearing(3)		CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Main Bearing Set 1 2-3 4	TM-77	MS-440P-20 MB-1682P MB-1225P MB-1226P		2.3744/2.3752 2.3744/2.3752 2.3744/2.3752	0.0010/0.0031 0.0010/0.0031 0.0010/0.0031	0.0928 0.0928 0.0928	2.5616/2.5622 2.5615/2.5622 2.5616/2.5622	1.0670 1.3170 1.4890
NOTE: Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set		TW-417S MB-1224FW	STD	2.4062			3.3125	0.1260
NOTE: Contains 1 Piece, Front,Position Number 1, .126" Thickness								
Thrust Washer Set		TW-418S MB-1224RW	STD	2.4030			3.3750	0.0950
NOTE: Contains 1 Piece, Position Number 1,Rear, .095" Thickness								
Cam Bearing Set 1 2 3 4	AL-3	SH-190S SH-1211 SH-191 SH-56 SH-57	STD	1.8715/1.8725 1.8085/1.8095 1.7457/1.7465 1.2465/1.2475	0.0020/0.0050 0.0020/0.0050 0.0024/0.0057 0.0010/0.0050	0.0628 0.0630 0.0628 0.0628	1.9995/2.0000 1.9370/1.9380 1.8745/1.8750 1.3745/1.3750	0.8850 0.9480 1.6350 1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
5	255 CID (4.2L) American Motors 6 Cyl (1971-1980)					3.750in./95.3mm x 3.906in./99.2mm		5
Rod Bearing(6)	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set 1-2-4-5-6-7 3	TM-77	MS-704P MB-2263P MB-2264P(F)	STD,10,20,30,40	2.4996/2.5001 2.4996/2.5001	0.0006/0.0031 0.0006/0.0031	0.0953 0.0953	2.6910/2.6920 2.6910/2.6920	0.9860 1.2700
Cam Bearing Set 1 2 3 4	B-1	SH-1980S SH-1980 SH-550 SH-551 SH-552	STD	2.0295/2.0305 2.0195/2.0205 2.0095/2.0105 1.9995/2.0005	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0620 0.0620 0.0620 0.0620	2.1555/2.1565 2.1455/2.1465 2.1355/2.1365 2.1255/2.1265	0.6950 0.7050 0.7050 0.7050

GRAY MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
5 (Cont.)	258 CID (4.2L) American Motors 6 Cyl (1971-1980)			3.750in./95.3mm x 3.906in./99.2mm				5 (Cont.)
Connecting Rod	30 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
6	330 CID (5.4L) Model 150 Continental 6 Cyl			4.000in./101.6mm x 4.375in./111.1mm				6
Rod Bearing(6)	CB-510P STD,10,30			2.2480/2.2490	0.0013/0.0038	0.0621	2.3740/2.3745	1.3850
Connecting Rod	20 To 25 Lbs.Ft.							
8 CYL								
7	304 CID (5.0L) American Motors V8 Cyl (1970-1979)			3.750in./95.3mm x 3.438in./87.3mm				7
	360 CID (5.9L) American Motors V8 Cyl (1970-1978)			4.080in./103.6mm x 3.438in./87.3mm				
Rod Bearing	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set	TM-77	MS-1041P	STD,10,20,30					
1-2-4-5		MB-2579P		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	0.9280
3		MB-2578P(F)		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	1.2700
Cam Bearing Set	B-1	SH-671S	STD					
1		SH-671		2.1195/2.1205	0.0010/0.0050	0.0620	2.2455/2.2465	0.9350
2		SH-672		2.0895/2.0905	0.0010/0.0050	0.0620	2.2155/2.2165	0.6400
3		SH-673		2.0595/2.0605	0.0010/0.0050	0.0620	2.1855/2.1865	0.6400
4		SH-674		2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6400
5		SH-675		1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.6400
Rod Forging	707, 3182749, 3196750, 3197047							
C/S Forging	3159292, 3195292, 3213754, 3214724, 4487237, RD51261, 3178451C							
Connecting Rod	30 Lbs.Ft. (360 CID (5.9L))							
Connecting Rod	30 To 35 Lbs.Ft. (304 CID (5.0L))							
Main Bearing	95 To 105 Lbs.Ft.							
8	390 CID (6.4L) American Motors V8 Cyl (1968-1970)			4.165in./105.8mm x 3.574in./90.8mm				8
Rod Bearing	TM-77	CB-819P	STD,10,20,30	2.2478/2.2485	0.0019/0.0041	0.0623	2.3745/2.3750	0.8050
Main Bearing Set	TM-77	MS-1041P	STD,10,20,30					
1-2-4-5		MB-2579P		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	0.9280
3		MB-2578P(F)		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	1.2700
Cam Bearing Set	B-1	SH-671S	STD					
1		SH-671		2.1195/2.1205	0.0010/0.0050	0.0620	2.2455/2.2465	0.9350
2		SH-672		2.0895/2.0905	0.0010/0.0050	0.0620	2.2155/2.2165	0.6400
3		SH-673		2.0595/2.0605	0.0010/0.0050	0.0620	2.1855/2.1865	0.6400
4		SH-674		2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6400
5		SH-675		1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.6400
9	455 CID (7.5L) Buick V8 Cyl (1970-1976)			4.313in./109.6mm x 3.900in./99mm				9
Rod Bearing	TM-77	CB-762P	STD,1,10,20,30,40	2.2490/2.2500	0.0007/0.0032	0.0619	2.3740/2.3745	0.8260
Main Bearing Set	TM-77	MS-908P	STD,10,20					
1-2-4		MB-2505P		3.2495/3.2500	0.0011/0.0036	0.0936	3.4380/3.4390	0.8070
3		MB-2506P(F)		3.2495/3.2500	0.0011/0.0036	0.0936	3.4380/3.4390	1.0580
5		MB-2507P		3.2495/3.2500	0.0011/0.0036	0.0936	3.4380/3.4390	1.1480
Cam Bearing Set	AL-3	SH-1361S	STD,10					
1		SH-1360		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.7600
2-3-4-5		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300
Rod Forging	1373496, 1385363							
C/S Forging	1379242							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	110 Lbs.Ft.							

HARDIN MARINE

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL			8 CYL (Cont.)		
140 Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	1	280 Oldsmobile 350 CID (5.7L)	4.057in./103mmX3.385in./86mm	4
6 CYL			333 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	5
262 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	2	400 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	5
8 CYL			405 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	5
225 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	3	425 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	5
260 Oldsmobile 350 CID (5.7L)	4.057in./103mmX3.385in./86mm	4	460 Ford 460 CID (7.5L)	4.360in./110.7mmX3.850in./97.8mm	6
			L80 Oldsmobile 403 CID (6.6L)	4.351in./110.5mmX3.385in./86mm	4

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
0997	3.385in./86mm	4	398410	3.385in./86mm	4	3892671	3.484in./88.5mm	3	3946841	3.484in./88.5mm	3
380282	3.385in./86mm	4	410997	3.385in./86mm	4	3916396	3.484in./88.5mm	3			
380283	3.385in./86mm	4	3856239	4.000in./101.6mm	5	3923282	3.484in./88.5mm	3			
380383	3.385in./86mm	4	3856240	4.000in./101.6mm	5	3933174	4.000in./101.6mm	5			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1182	3.484in./88.5mm	3	353039	4.000in./101.6mm	5	556607	3.385in./86mm	4	3963524	4.000in./101.6mm	5
2690	3.484in./88.5mm	3	359730	4.000in./101.6mm	5	1235419	3.385in./86mm	4	3967463	4.000in./101.6mm	5
3521	4.000in./101.6mm	5	381269	3.385in./86mm	4	1375802	3.385in./86mm	4	3975945	4.000in./101.6mm	5
7416	4.000in./101.6mm	5	381919	3.385in./86mm	4	1398346	3.385in./86mm	4	4568749	3.484in./88.5mm	3
14096	3.600in./91.4mm	1	388766	3.385in./86mm	4	3732444	3.484in./88.5mm	3	N3937	3.600in./91.4mm	1
230276	3.385in./86mm	4	390275	3.385in./86mm	4	3832442	3.484in./88.5mm	3	N140966	3.600in./91.4mm	1
230376	3.385in./86mm	4	393654	3.385in./86mm	4	3912335	3.484in./88.5mm	3	N353039	4.000in./101.6mm	5
230905	3.385in./86mm	4	395654	3.385in./86mm	4	3932444	3.484in./88.5mm	3	N393775	3.600in./91.4mm	1
306275	3.484in./88.5mm	3	398261	3.385in./86mm	4	3941184	3.484in./88.5mm	3	N853039	4.000in./101.6mm	5
306276	3.484in./88.5mm	3	398621	3.385in./86mm	4	3962523	4.000in./101.6mm	5	N853638	4.000in./101.6mm	5
310514	3.484in./88.5mm	3	418882	3.385in./86mm	4	3963523	4.000in./101.6mm	5	N3941352	3.600in./91.4mm	1

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	181 CID (3.0L) 140 Chevrolet 4 Cyl	4.000in./101.6mm x 3.600in./91.4mm	1
Rod Bearing(4)	AL-5 CB-663A-10 20,30	2.0990/2.1000 0.0012/0.0037 0.0620 2.2247/2.2252 0.8420	
Rod Bearing(4)	TM-77 CB-663P STD,1,2,10,20,30,40,C60	2.0990/2.1000 0.0012/0.0037 0.0620 2.2247/2.2252 0.8420	
Rod Bearing(4)	AL-5 CB-1776A-10 20,30	2.0990/2.1000 0.0007/0.0032 0.0630 2.2267/2.2272 0.8420	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock			
Rod Bearing(4)	TM-77 CB-1776P-10 20,30,40	2.0990/2.1000 0.0007/0.0032 0.0630 2.2267/2.2272 0.8420	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock			
Main Bearing Set 1-2-3-4 5	TM-77 MS-1733P STD,1,10,20,30,40 MB-3135P MB-2588P(F)	2.2983/2.2993 0.0006/0.0036 0.0955 2.4906/2.4916 0.8070 2.2983/2.2993 0.0006/0.0036 0.0955 2.4906/2.4916 1.0090	
Cam Bearing Set 1-2-3	AL-3 SH-1030S STD,10 SH-400	1.8682/1.8692 0.0005/0.0050 0.0647 1.9990/2.0010 0.8700	

C/S Forging 14096, N3937, N140966, N393775, N3941352

Connecting Rod 33 Lbs.Ft. (11/32" Bolts)
Connecting Rod 40 Lbs.Ft. (3/8" Bolts)
Main Bearing 65 Lbs.Ft.

6 CYL

2	262 CID (4.3L) 262 Chevrolet V6 Cyl	4.000in./101.6mm x 3.484in./88.5mm	2
Rod Bearing(6)	AL-5 CB-1358A-10 20,30	2.2492/2.2498 0.0005/0.0031 0.0622 2.3747/2.3757 0.7530	
Rod Bearing(6)	TM-77 CB-1358P STD,1,10,20,30,40	2.2492/2.2498 0.0005/0.0031 0.0622 2.3747/2.3757 0.7530	
Rod Bearing(6)	AL-5 CB-1794A-10 20,30	2.2492/2.2498 0.0005/0.0031 0.0632 2.3767/2.3777 0.7530	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock			
Rod Bearing(6)	TM-77 CB-1794P-10 20,30,40	2.2492/2.2498 0.0005/0.0031 0.0632 2.3767/2.3777 0.7530	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock			
Main Bearing Set 1-2-3 4	AL-5 MS-1454A-10 20,30 MB-2508A MB-2509A(F)	2.4483/2.4493 0.0006/0.0036 0.0955 2.6406/2.6416 0.8070 2.4478/2.4488 0.0011/0.0041 0.0955 2.6406/2.6416 1.7180	

HARDIN MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
2 (Cont.)	262 CID (4.3L) 262 Chevrolet V6 Cyl			4.000in./101.6mm x 3.484in./88.5mm				2 (Cont.)
Main Bearing Set 1-2-3 4	TM-77	MS-1454P MB-2508P MB-2509P(F)	STD,1,10,20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3 4	TM-77	MS-1628P-10 MB-2508P MB-2981P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-1684P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-2215P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-4 3	AL-3	SH-1350S SH-1349 SH-1350 SH-1351	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: Except Engines Stamped With Identification Number Located On Front Of Block Starting With "T"								
Cam Bearing Set 1-4 2 3	AL-3	SH-1351S SH-1349 SH-1351 SH-1350	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0644 0.0694	2.0190/2.0210 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500
NOTE: Engines Stamped With Identification Number On Front Of Block Starting With "T"								
Connecting Rod	45 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							
8 CYL								
3	305 CID (5.0L) 225 Chevrolet V8 Cyl			3.736in./95mm x 3.484in./88.5mm				3
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4 5	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500

HARDIN MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
3 (Cont.)	305 CID (5.0L) 225 Chevrolet V8 Cyl			3.736in./95mm x 3.484in./88.5mm				3 (Cont.)
Cam Bearing Set 1	AL-3	SH-1349S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3892671, 3916396, 3923282, 3946841							
C/S Forging	1182, 2690, 306275, 306276, 310514, 3732444, 3832442, 3912335, 3932444, 3941184, 4568749							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
4	350 CID (5.7L) 260,280 Oldsmobile V8 Cyl			4.057in./103mm x 3.385in./86mm				4
	403 CID (6.6L) L80 Oldsmobile V8 Cyl			4.351in./110.5mm x 3.385in./86mm				
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40	2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310
Main Bearing Set 1	TM-77	MS-805P	STD,1,10,20,30	2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
2-4		MB-2365P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
3		MB-2251P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950
5		MB-2252P(F)		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950
		MB-2253P		2.4985/2.4995	0.0014/0.0044	0.0932	2.6870/2.6880	1.6290
Cam Bearing Set 1	AL-3	SH-1355S	STD	2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1359		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1355		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1356		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1357		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
Rod Forging	0997, 380282, 380283, 380383, 398410, 410997							
C/S Forging	230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 556607, 1235419, 1375802, 1398346							
Connecting Rod	42 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)							
5	454 CID (7.4L) 333,400,405,425 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm				5
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4	AL-5	MS-829A-10	20,30	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403A		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
		MB-2404A(F)						
Main Bearing Set 1-2-3-4	TM-77	MS-829P	STD,1,10,20,30,40	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403P		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
		MB-2404P(F)						
Main Bearing Set 1-2-3-4	TM-77	MS-1745P-10	20,30	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403P		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8210
		MB-3120P(F)						
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1748P-10	20	2.7482/2.7492	0.0007/0.0032	0.1087	2.9570/2.9580	1.0440
5		MB-3123P		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
		MB-2404P(F)						
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings, Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set 1	B-1	SH-616S	STD	1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-615		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-616		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	3521, 7416, 353039, 359730, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638							

HARDIN MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
				8 CYL (Cont.)				
5 (Cont.)	454 CID (7.4L) 333,400,405,425 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm				5 (Cont.)
Connecting Rod		45 To 55 Lbs.Ft.						
Main Bearing		110 To 120 Lbs.Ft. (High Performance Engine)						
Main Bearing		90 To 100 Lbs.Ft. (Except High Performance)						
6	460 CID (7.5L) 460 Ford V8 Cyl			4.360in./110.7mm x 3.850in./97.8mm				6
Rod Bearing(8)	TM-77	CB-818P	STD,1,10,20,30,40	2.4992/2.5000	0.0005/0.0031	0.0761	2.6522/2.6530	0.8660
Rod Bearing(8)	TM-77	CB-1802P-10	20,30	2.4992/2.5000	0.0005/0.0031	0.0771	2.6542/2.6550	0.8660
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	TM-77	MS-1039P	STD,1,10,20,30,40	2.9994/3.0002	0.0007/0.0033	0.0958	3.1922/3.1930	0.9500
3		MB-2564P MB-2565P(F)		2.9994/3.0002	0.0007/0.0033	0.0958	3.1922/3.1930	1.1200
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1111S SH-1111	STD,10	2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.6000
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1766S SH-1766	STD	2.1238/2.1248	0.0011/0.0050	0.0694	2.2645/2.2655	0.6300
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.2645"/2.2655"								
Connecting Rod		40 To 45 Lbs.Ft.						
Main Bearing		95 To 105 Lbs.Ft.						

HOLMAN-MOODY MARINE								
ENGINE DATA								
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block	
302 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm		1	460 Ford 460 CID (7.5L)	4.360in./110.7mmX3.850in./97.8mm		3	
351 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm		2					
CONNECTING ROD FORGING NUMBERS								
Forging No.	Stroke	Block	Forging No.	Stroke	Block			
C90E	3.500in./88.9mm	2	D60E	3.500in./88.9mm	2			
CRANKSHAFT FORGING NUMBERS								
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3C	3.500in./88.9mm	2	3MA	3.500in./88.9mm	2	7MA	3.500in./88.9mm	2
3M	3.500in./88.9mm	2	7M	3.500in./88.9mm	2	C90E-A	3.500in./88.9mm	2
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
				8 CYL				
1	302 CID (5.0L) 302 Ford V8 Cyl			4.000in./101.6mm x 3.000in./76.2mm				1
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	AL-5	MS-590A-10	20,30	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2121A MB-2122A(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set 1-2-4-5	TM-77	MS-590P	STD,1,10,20,30,40	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2121P MB-2122P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set 1-2-4-5	TM-77	MS-1746P-10	20,30	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2121P MB-3124P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing								

HOLMAN-MOODY MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
1 (Cont.)	302 CID (5.0L) 302 Ford V8 Cyl			4.000in./101.6mm x 3.000in./76.2mm				1 (Cont.)
Cam Bearing Set	B-1	SH-510S	STD,10					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
2	351 CID (5.8L) 351 Ford Windsor V8 Cyl			4.000in./101.6mm x 3.500in./88.9mm				2
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-981P	STD,1,10,20,30,40					
1-2-4-5		MB-2557P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Thru 1976, Full Grooved Main Bearings								
Main Bearing Set	AL-5	MS-1432A-10	20,30					
1-2-4-5		MB-2754A		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558A(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-1432P	STD,1,10,20,30,40					
1-2-4-5		MB-2754P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Cam Bearing Set	B-1	SH-510S	STD,10					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	C90E, D60E							
C/S Forging	3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
3	460 CID (7.5L) 460 Ford V8 Cyl (1968-1978)			4.360in./110.7mm x 3.850in./97.8mm				3
Rod Bearing(8)	TM-77	CB-818P	STD,1,10,20,30,40	2.4992/2.5000	0.0005/0.0031	0.0761	2.6522/2.6530	0.8660
Rod Bearing(8)	TM-77	CB-1802P-10	20,30	2.4992/2.5000	0.0005/0.0031	0.0771	2.6542/2.6550	0.8660
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-1039P	STD,1,10,20,30,40					
1-2-4-5		MB-2564P		2.9994/3.0002	0.0007/0.0033	0.0958	3.1922/3.1930	0.9500
3		MB-2565P(F)		2.9994/3.0002	0.0007/0.0033	0.0958	3.1922/3.1930	1.1200
Cam Bearing Set	AL-3	SH-1111S	STD,10					
1-2-3-4-5		SH-1111		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.6000
Cam Bearing Set	AL-3	SH-1766S	STD					
1-2-3-4-5		SH-1766		2.1238/2.1248	0.0011/0.0050	0.0694	2.2645/2.2655	0.6300
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.2645"/2.2655"								
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							

INDMAR MARINE														
ENGINE DATA														
Engine			Bore & Stroke			Block	Engine			Bore & Stroke			Block	
250 Ford Windsor 351 CID (5.8L)			4.000in./101.6mmX3.500in./88.9mm			2	350-2 Chevrolet 350 CID (5.7L)			4.000in./101.6mmX3.484in./88.5mm			1	
275 Chevrolet 350 CID (5.7L)			4.000in./101.6mmX3.484in./88.5mm			1	350-4 Chevrolet 350 CID (5.7L)			4.000in./101.6mmX3.484in./88.5mm			1	
290 Chevrolet 350 CID (5.7L)			4.000in./101.6mmX3.484in./88.5mm			1	400 Chevrolet 454 CID (7.4L)			4.250in./108mmX4.000in./101.6mm			3	
300 Chevrolet 350 CID (5.7L)			4.000in./101.6mmX3.484in./88.5mm			1	454 Chevrolet 454 CID (7.4L)			4.250in./108mmX4.000in./101.6mm			3	
350 Chevrolet 454 CID (7.4L)			4.250in./108mmX4.000in./101.6mm			3								
CONNECTING ROD FORGING NUMBERS														
Forging No.			Stroke	Block	Forging No.			Stroke	Block	Forging No.			Stroke	Block
3856239			4.000in./101.6mm	3	3916396			3.484in./88.5mm	1	3946841			3.484in./88.5mm	1
3856240			4.000in./101.6mm	3	3923282			3.484in./88.5mm	1	C90E			3.500in./88.9mm	2
3892671			3.484in./88.5mm	1	3933174			4.000in./101.6mm	3	D60E			3.500in./88.9mm	2
CRANKSHAFT FORGING NUMBERS														
Forging No.			Stroke	Block	Forging No.			Stroke	Block	Forging No.			Stroke	Block
3C			3.500in./88.9mm	2	7416			4.000in./101.6mm	3	3912335			3.484in./88.5mm	1
3M			3.500in./88.9mm	2	306275			3.484in./88.5mm	1	3932444			3.484in./88.5mm	1
3MA			3.500in./88.9mm	2	306276			3.484in./88.5mm	1	3941184			3.484in./88.5mm	1
7M			3.500in./88.9mm	2	310514			3.484in./88.5mm	1	3962523			4.000in./101.6mm	3
7MA			3.500in./88.9mm	2	353039			4.000in./101.6mm	3	3963523			4.000in./101.6mm	3
1182			3.484in./88.5mm	1	359730			4.000in./101.6mm	3	3963524			4.000in./101.6mm	3
2690			3.484in./88.5mm	1	3732444			3.484in./88.5mm	1	3967463			4.000in./101.6mm	3
3521			4.000in./101.6mm	3	3832442			3.484in./88.5mm	1	3975945			4.000in./101.6mm	3
COUNTER DATA						SHOP DATA								
Bearing or Position		Bearing Material	Clevite 77 Part No.	Available Undersizes		Std. Shaft Diameter		Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore		Max Length		
8 CYL														
1	350 CID (5.7L) 275,290,300,350-2,350-4 Chevrolet V8 Cyl										4.000in./101.6mm x 3.484in./88.5mm	1		
Rod Bearing(8)		AL-5	CB-663A-10	20,30		2.0990/2.1000		0.0012/0.0037	0.0620	2.2247/2.2252		0.8420		
Rod Bearing(8)		TM-77	CB-663P	STD,1,2,10,20,30,40,C60		2.0990/2.1000		0.0012/0.0037	0.0620	2.2247/2.2252		0.8420		
Rod Bearing(8)		AL-5	CB-1776A-10	20,30		2.0990/2.1000		0.0007/0.0032	0.0630	2.2267/2.2272		0.8420		
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock														
Rod Bearing(8)		TM-77	CB-1776P-10	20,30,40		2.0990/2.1000		0.0007/0.0032	0.0630	2.2267/2.2272		0.8420		
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock														
Main Bearing Set		AL-5	MS-909A-10	20,30										
1-2-3-4			MB-2508A			2.4483/2.4493		0.0006/0.0036	0.0955	2.6406/2.6416		0.8070		
5			MB-2509A(F)			2.4478/2.4488		0.0011/0.0041	0.0955	2.6406/2.6416		1.7180		
Main Bearing Set		TM-77	MS-909P	STD,1,2,10,20,30,40,C60										
1-2-3-4			MB-2508P			2.4483/2.4493		0.0006/0.0036	0.0955	2.6406/2.6416		0.8070		
5			MB-2509P(F)			2.4478/2.4488		0.0011/0.0041	0.0955	2.6406/2.6416		1.7180		
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing														
Main Bearing Set		TM-77	MS-1626P-10	20,30,40										
1-2-3-4			MB-2508P			2.4483/2.4493		0.0006/0.0036	0.0955	2.6406/2.6416		0.8070		
5			MB-2981P(F)			2.4478/2.4488		0.0011/0.0041	0.0955	2.6406/2.6416		1.7380		
NOTE: Contains .020" Oversize Length Flanged Bearing														
Main Bearing Set		TM-77	MS-1683P-20											
1-2-3-4			MB-2508P			2.4483/2.4493		0.0006/0.0036	0.0955	2.6406/2.6416		0.8070		
5			MB-3060P(F)			2.4478/2.4488		0.0011/0.0041	0.0955	2.6406/2.6416		1.7580		
NOTE: Contains .040" Oversize Length Flanged Bearing														
Main Bearing Set		TM-77	MS-1744P-10	20,30										
1-2-3-4			MB-2508P			2.4483/2.4493		0.0006/0.0036	0.0955	2.6406/2.6416		0.8070		
5			MB-3119P(F)			2.4478/2.4488		0.0011/0.0041	0.0955	2.6406/2.6416		1.7280		
NOTE: Contains .010" Oversize Length Flanged Bearing														
Cam Bearing Set		B-1	SH-290S	STD,10										
1			SH-290			1.8682/1.8692		0.0010/0.0050	0.0744	2.0190/2.0210		0.7500		
2-5			SH-288			1.8682/1.8692		0.0010/0.0050	0.0694	2.0090/2.0110		0.7500		
3-4			SH-287			1.8682/1.8692		0.0010/0.0050	0.0644	1.9990/2.0010		0.7500		
Cam Bearing Set		AL-3	SH-1349S	STD										
1			SH-1349			1.8682/1.8692		0.0010/0.0050	0.0744	2.0190/2.0210		0.7500		
2-5			SH-1350			1.8682/1.8692		0.0010/0.0050	0.0694	2.0090/2.0110		0.7500		
3-4			SH-1351			1.8682/1.8692		0.0010/0.0050	0.0644	1.9990/2.0010		0.7500		
NOTE: Heavy Duty Engine														

INDMAR MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
1 (Cont.)	350 CID (5.7L) 275,290,300,350-2,350-4 Chevrolet V8 Cyl			4.000in./101.6mm x 3.484in./88.5mm				1 (Cont.)
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3892671, 3916396, 3923282, 3946841							
C/S Forging	1182, 2690, 306275, 306276, 310514, 3732444, 3832442, 3912335, 3932444, 3941184, 4568749							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
2	351 CID (5.8L) 250 Ford Windsor V8 Cyl			4.000in./101.6mm x 3.500in./88.9mm				2
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	TM-77	MS-981P	STD,1,10,20,30,40	2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2557P MB-2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Thru 1976, Full Grooved Main Bearings								
Main Bearing Set 1-2-4-5	AL-5	MS-1432A-10	20,30	2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2754A MB-2558A(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Main Bearing Set 1-2-4-5	TM-77	MS-1432P	STD,1,10,20,30,40	2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2754P MB2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Cam Bearing Set 1	B-1	SH-510S	STD,10	2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-510		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-511		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-512		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-513 SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	C90E, D60E							
C/S Forging	3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
3	454 CID (7.4L) 350,400,454 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm				3
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4	AL-5	MS-829A-10	20,30	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403A MB-2404A(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set 1-2-3-4	TM-77	MS-829P	STD,1,10,20,30,40	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403P MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set 1-2-3-4	TM-77	MS-1745P-10	20,30	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403P MB-3120P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1748P-10	20	2.7482/2.7492	0.0007/0.0032	0.1087	2.9570/2.9580	1.0440
5		MB-3123P MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter								

INDMAR MARINE (Cont.)											
COUNTER DATA					SHOP DATA						
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length		
8 CYL (Cont.)											
3 (Cont.)	454 CID (7.4L) 350,400,454 Chevrolet V8 Cyl				4.250in./108mm x 4.000in./101.6mm				3 (Cont.)		
Cam Bearing Set	B-1	SH-616S	STD								
1		SH-615			1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700		
2-5		SH-616			1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900		
3-4		SH-617			1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900		
Rod Forging	3856239, 3856240, 3933174										
C/S Forging	3521, 7416, 353039, 359730, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638										
Connecting Rod	45 To 55 Lbs.Ft.										
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)										
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)										
INTERCEPTOR MARINE											
ENGINE DATA											
Engine	Years	Bore & Stroke		Block	Engine	Years	Bore & Stroke		Block		
6 CYL					8 CYL						
144 CID (2.4L) Ford	1960-1964	3.500in./88.9mmX2.500in./63.5mm		1	221 CID (3.6L) Ford	1962-1963	3.500in./88.9mmX2.875in./73mm		3		
170 CID (2.8L) Ford	1961-1972	3.500in./88.9mmX2.938in./74.6mm		1	256 CID (4.2L) Ford	1954	3.625in./92.1mmX3.100in./78.7mm		4		
200 CID (3.3L) OHV Ford	1964-1983	3.680in./93.5mmX3.125in./79.4mm		2	260 CID (4.3L) Ford	1962-1965	3.800in./96.5mmX2.870in./72.9mm		3		
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
B10	2.500in./63.5mm	1	C2AE-A	3.100in./78.7mm	4	CODE	2.938in./74.6mm	1	EBU	3.100in./78.7mm	4
B10	3.125in./79.4mm	2	C30E	2.500in./63.5mm	1	D8BE	3.125in./79.4mm	2	ECC	3.100in./78.7mm	4
B10	2.938in./74.6mm	1	C30E	3.125in./79.4mm	2	D8BE	2.938in./74.6mm	1	ECE	3.100in./78.7mm	4
C1DE	2.500in./63.5mm	1	C30E	2.938in./74.6mm	1	D8BE-6205	2.500in./63.5mm	1	EDC	3.100in./78.7mm	4
C1DE	3.125in./79.4mm	2	CODE	2.500in./63.5mm	1	D8BE-6205	3.125in./79.4mm	2			
C1DE	2.938in./74.6mm	1	CODE	3.125in./79.4mm	2	D8BE-6205	2.938in./74.6mm	1			
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1F	2.500in./63.5mm	1	1HA	3.125in./79.4mm	2	C30Z	2.870in./72.9mm	3	C30Z-A	2.500in./63.5mm	1
1F	3.125in./79.4mm	2	1HA	2.938in./74.6mm	1	C30Z-A	3.125in./79.4mm	2	C30Z-A	3.125in./79.4mm	2
1F	2.938in./74.6mm	1	C2DE-A	2.500in./63.5mm	1	C30Z-B	2.870in./72.9mm	3	C30Z-A	2.938in./74.6mm	1
1G	2.500in./63.5mm	1	C2DE-A	3.125in./79.4mm	2	C30Z-E	3.125in./79.4mm	2	C30Z-E	2.500in./63.5mm	1
1G	3.125in./79.4mm	2	C2DE-A	2.938in./74.6mm	1	C5DE-A	2.500in./63.5mm	1	C30Z-E	3.125in./79.4mm	2
1G	2.938in./74.6mm	1	C2OZ	2.875in./73mm	3	C5DE-A	3.125in./79.4mm	2	C30Z-E	2.938in./74.6mm	1
1H	2.500in./63.5mm	1	C2OZ	2.870in./72.9mm	3	C5DE-A	2.938in./74.6mm	1	CTR-CB	2.500in./63.5mm	1
1H	3.125in./79.4mm	2	C2OZ-B	2.870in./72.9mm	3	C30E-A	2.500in./63.5mm	1	CTR-CB	2.938in./74.6mm	1
1H	2.938in./74.6mm	1	C3AF-N	2.870in./72.9mm	3	C30E-A	3.125in./79.4mm	2	EBU	3.100in./78.7mm	4
1HA	2.500in./63.5mm	1	C30E-A	3.125in./79.4mm	2	C30E-A	2.938in./74.6mm	1	EBU-6303-A	3.100in./78.7mm	4
COUNTER DATA					SHOP DATA						
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length		
6 CYL											
1	144 CID (2.4L) Ford 6 Cyl (1960-1964)				3.500in./88.9mm x 2.500in./63.5mm				1		
	170 CID (2.8L) Ford 6 Cyl (1961-1972)				3.500in./88.9mm x 2.938in./74.6mm						
Rod Bearing(6)	TM-77	CB-583P	STD,1,10,20,30,40,G60		2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100		
Main Bearing Set	TM-77	MS-518G	STD,10,20,30,40								
1-2-4		MB-2002G			2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200		
3		MB-2003G(F)			2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710		
Cam Bearing Set	B-1	SH-703S	STD								
1		SH-703			1.8095/1.8105	0.0010/0.0050	0.0833	1.9780/1.9790	0.7300		
2		SH-412			1.8095/1.8105	0.0010/0.0050	0.0758	1.9630/1.9640	0.7300		
3		SH-413			1.8095/1.8105	0.0010/0.0050	0.0683	1.9480/1.9490	0.7300		
4		SH-414			1.8095/1.8105	0.0010/0.0050	0.0608	1.9330/1.9340	0.7300		
Rod Forging	B10, C1DE, C30E, CODE, D8BE, D8BE-6205										
C/S Forging	1F, 1G, 1H, 1HA, C2DE-A, C30E-A, C30Z-A, C30Z-E, C5DE-A, CTR-CB										

INTERCEPTOR MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
1 (Cont.)	144 CID (2.4L) Ford 6 Cyl (1960-1964) 170 CID (2.8L) Ford 6 Cyl (1961-1972)			3.500in./88.9mm x 2.500in./63.5mm 3.500in./88.9mm x 2.938in./74.6mm				1 (Cont.)
Connecting Rod		19 To 24 Lbs.Ft.						
Main Bearing		60 To 70 Lbs.Ft.						
2	200 CID (3.3L) OHV Ford 6 Cyl (1964-1983)			3.680in./93.5mm x 3.125in./79.4mm				2
Rod Bearing(6)	TM-77	CB-583P	STD,1,10,20,30,40,G60	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set	TM-77	MS-518G	STD,10,20,30,40					
1-2-4		MB-2002G		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200
3		MB-2003G(F)		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710
NOTE: Engines With 4 Main Bearings								
Main Bearing Set	TM-77	MS-771G	STD,10,20,30,40					
1-2-3-4-6-7		MB-2002G		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200
5		MB-2003G(F)		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710
NOTE: Thru 5/1/75, Engines With 7 Main Bearings, Contains Full Grooved Bearings								
Main Bearing Set	TM-77	MS-1389AL	STD,10,20,30,40					
1-2-3-4-6-7		MB-2692AL		2.2482/2.2490	0.0007/0.0033	0.0760	2.4012/2.4020	1.0200
5		MB-2693AL(F)		2.2482/2.2490	0.0007/0.0033	0.0760	2.4012/2.4020	1.2710
NOTE: From 5/2/75, Engines With 7 Main Bearings, Contains Partial Grooved Main Bearings								
Cam Bearing Set	B-1	SH-703S	STD					
1		SH-703		1.8095/1.8105	0.0010/0.0050	0.0833	1.9780/1.9790	0.7300
2		SH-412		1.8095/1.8105	0.0010/0.0050	0.0758	1.9630/1.9640	0.7300
3		SH-413		1.8095/1.8105	0.0010/0.0050	0.0683	1.9480/1.9490	0.7300
4		SH-414		1.8095/1.8105	0.0010/0.0050	0.0608	1.9330/1.9340	0.7300
Rod Forging	B10, C1DE, C30E, CODE, D8BE, D8BE-6205							
C/S Forging	1F, 1G, 1H, 1HA, C2DE-A, C30E-A, C30Z-A, C30Z-E, C30E-A, C30Z-A, C30Z-E, C5DE-A							
Connecting Rod		19 To 24 Lbs.Ft.						
Main Bearing		60 To 70 Lbs.Ft.						
8 CYL								
3	221 CID (3.6L) Ford V8 Cyl (1962-1963) 260 CID (4.3L) Ford V8 Cyl (1962-1965)			3.500in./88.9mm x 2.875in./73mm 3.800in./96.5mm x 2.870in./72.9mm				3
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-590A-10	20,30					
1-2-4-5		MB-2121A		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122A(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-590P	STD,1,10,20,30,40					
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-1746P-10	20,30					
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-3124P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-510S	STD,10					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
C/S Forging		C20Z, C30Z, C20Z-B, C3AF-N, C30Z-B						
Connecting Rod		19 To 24 Lbs.Ft.						
Main Bearing		60 To 70 Lbs.Ft.						
4	256 CID (4.2L) Ford V8 Cyl (1954)			3.625in./92.1mm x 3.100in./78.7mm				4
Rod Bearing(8)	TM-77	CB-461P	STD,1,2,10,20,30,40,50,C60	2.1880/2.1888	0.0005/0.0020	0.0617	2.3120/2.3128	0.7460

INTERCEPTOR MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
4 (Cont.)	256 CID (4.2L) Ford V8 Cyl (1954)			3.625in./92.1mm x 3.100in./78.7mm				4 (Cont.)
Main Bearing Set 1-2-4-5 3	TM-77	MS-178P MB-1575P MB-1621P(F)	STD,10,20,30,40,C60	2.4980/2.4988 2.4980/2.4988	0.0005/0.0031 0.0005/0.0031	0.0962 0.0962	2.6912/2.6920 2.6912/2.6920	0.9120 1.1200
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-3-4-5	B-1	SH-559S SH-285 SH-559	STD,10	1.9255/1.9265 1.9255/1.9265	0.0010/0.0050 0.0010/0.0050	0.0650 0.0650	2.0575/2.0585 2.0575/2.0585	0.8900 0.6300
NOTE: Grooved Number 3 Camshaft Journal								
Piston Pin Bushing(8)	B	223-3451	STD			0.0360	0.8115/0.8125	1.3220
NOTE: Requires Light Reaming								
Rod Forging C/S Forging	EBU, ECC, ECE, EDC, C2AE-A EBU, EBU-6303-A							
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 95 To 105 Lbs.Ft.							

JACUZZI MARINE

ENGINE DATA											
Engine		Bore & Stroke		Block		Engine		Bore & Stroke		Block	
455 Oldsmobile 455 CID (7.5L)		4.125in./104.8mmX4.250in./108mm		1		460 Ford 460 CID (7.5L)		4.360in./110.7mmX3.850in./97.8mm		2	
CONNECTING ROD FORGING NUMBERS											
Forging No.		Stroke		Block							
384759		4.250in./108mm		1							
CRANKSHAFT FORGING NUMBERS											
Forging No.		Stroke		Block		Forging No.		Stroke		Block	
230331		4.250in./108mm		1		230907		4.250in./108mm		1	
230377		4.250in./108mm		1		230908		4.250in./108mm		1	
230378		4.250in./108mm		1		397303		4.250in./108mm		1	
COUNTER DATA						SHOP DATA					
Bearing or Position		Bearing Material		Clevite 77 Part No.		Available Undersizes		Std. Shaft Diameter		Vert. Oil Clearance	
								Max. Wall		Brg. O.D. or Housing Bore	
										Max Length	
8 CYL											
1		455 CID (7.5L) 455 Oldsmobile V8 Cyl (1968-1976)						4.125in./104.8mm x 4.250in./108mm			1
Rod Bearing(8)		TM-77		CB-542P		STD,1,10,20,30,40		2.4988/2.4998		0.0007/0.0032	
Main Bearing Set		TM-77		MS-804P		STD,10,20,30		2.4988/2.4998		0.0007/0.0032	
1				MB-2362P				2.9993/3.0003		0.0008/0.0038	
2-4				MB-2163P				2.9993/3.0003		0.0008/0.0038	
3				MB-2363P(F)				2.9993/3.0003		0.0008/0.0038	
5				MB-2364P				2.9993/3.0003		0.0016/0.0049	
Cam Bearing Set		AL-3		SH-1354S		STD		2.4988/2.4998		0.0007/0.0032	
1				SH-1354				2.0357/2.0365		0.0020/0.0060	
2				SH-1355				2.0157/2.0165		0.0020/0.0060	
3				SH-1356				1.9957/1.9965		0.0020/0.0060	
4				SH-1357				1.9757/1.9765		0.0020/0.0060	
5				SH-1358				1.9557/1.9565		0.0020/0.0060	
Rod Forging		384759									
C/S Forging		230331, 230377, 230378, 230907, 230908, 397303, 397363, 400934, 403707, 405954									
Connecting Rod		32 To 42 Lbs.Ft.									
Main Bearing		90 To 120 Lbs.Ft.									
2		460 CID (7.5L) 460 Ford V8 Cyl (1968-1978)						4.360in./110.7mm x 3.850in./97.8mm			2
Rod Bearing(8)		TM-77		CB-818P		STD,1,10,20,30,40		2.4992/2.5000		0.0005/0.0031	
Rod Bearing(8)		TM-77		CB-1802P-10		20,30		2.4992/2.5000		0.0005/0.0031	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock											

JACUZZI MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
2 (Cont.)	460 CID (7.5L) 460 Ford V8 Cyl (1968-1978)				4.360in./110.7mm x 3.850in./97.8mm			2 (Cont.)
Main Bearing Set 1-2-4-5 3	TM-77	MS-1039P MB-2564P MB-2565P(F)	STD,1,10,20,30,40	2.9994/3.0002 2.9994/3.0002	0.0007/0.0033 0.0007/0.0033	0.0958 0.0958	3.1922/3.1930 3.1922/3.1930	0.9500 1.1200
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1111S SH-1111	STD,10	2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.6000
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1766S SH-1766	STD	2.1238/2.1248	0.0011/0.0050	0.0694	2.2645/2.2655	0.6300
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.2645"/2.2655"								
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							

MARINE POWER

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL			8 CYL (Cont.)		
181FL Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	1	307K Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	2
			350G Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	2
			350K Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	2
305K Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	2	454 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	3
307G Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	2			

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3185281	3.250in./82.6mm	2	3784000	3.250in./82.6mm	2	3856240	4.000in./101.6mm	3	3923282	3.484in./88.5mm	2
3703526	3.250in./82.6mm	2	3815281	3.250in./82.6mm	2	3892671	3.484in./88.5mm	2	3933174	4.000in./101.6mm	3
3703527	3.250in./82.6mm	2	3856239	4.000in./101.6mm	3	3916396	3.484in./88.5mm	2	3946841	3.484in./88.5mm	2

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1130	3.250in./82.6mm	2	306275	3.484in./88.5mm	2	3911011	3.250in./82.6mm	2	3963523	4.000in./101.6mm	3
1178	3.250in./82.6mm	2	306276	3.484in./88.5mm	2	3912335	3.484in./88.5mm	2	3963524	4.000in./101.6mm	3
1182	3.484in./88.5mm	2	310514	3.484in./88.5mm	2	3914681	3.250in./82.6mm	2	3967463	4.000in./101.6mm	3
2680	3.250in./82.6mm	2	353039	4.000in./101.6mm	3	3914682	3.250in./82.6mm	2	3975945	4.000in./101.6mm	3
2690	3.484in./88.5mm	2	359730	4.000in./101.6mm	3	3930809	3.250in./82.6mm	2	4568749	3.484in./88.5mm	2
3279	3.250in./82.6mm	2	391101A	3.250in./82.6mm	2	3932444	3.484in./88.5mm	2	N140966	3.600in./91.4mm	1
3521	4.000in./101.6mm	3	3732444	3.484in./88.5mm	2	3941172	3.250in./82.6mm	2	N353039	4.000in./101.6mm	3
4577	3.250in./82.6mm	2	3832442	3.484in./88.5mm	2	3941174	3.250in./82.6mm	2	N853039	4.000in./101.6mm	3
4672	3.250in./82.6mm	2	3911000	3.250in./82.6mm	2	3941184	3.484in./88.5mm	2	N853638	4.000in./101.6mm	3
7416	4.000in./101.6mm	3	3911001	3.250in./82.6mm	2	3962523	4.000in./101.6mm	3	N3941352	3.600in./91.4mm	1

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	181 CID (3.0L) 181FL Chevrolet 4 Cyl				4.000in./101.6mm x 3.600in./91.4mm			1
Rod Bearing(4)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(4)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(4)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(4)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1733P MB-3135P MB-2588P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2983/2.2993	0.0006/0.0036 0.0006/0.0036	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.0090
Cam Bearing Set 1-2-3	AL-3	SH-1030S SH-400	STD,10	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
C/S Forging	N140966, N3941352							

MARINE POWER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL								
2	305 CID (5.0L) 305K Chevrolet V8 Cyl 307 CID (5.0L) 307G,307K Chevrolet V8 Cyl 350 CID (5.7L) 350G,350K Chevrolet V8 Cyl				3.736in./95mm x 3.484in./88.5mm 3.875in./98.4mm x 3.250in./82.6mm 4.000in./101.6mm x 3.484in./88.5mm			2
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4	AL-5	MS-909A-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508A		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
		MB-2509A(F)						
Main Bearing Set 1-2-3-4	TM-77	MS-909P	STD,1,2,10,20,30,40,C60	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
		MB-2509P(F)						
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1626P-10	20,30,40	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
		MB-2981P(F)						
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1683P-20		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
		MB-3060P(F)						
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1744P-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
		MB-3119P(F)						
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-290S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-288		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
		SH-287						
Cam Bearing Set 1	AL-3	SH-1349S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
		SH-1351						
NOTE: Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
		SH-1352						
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
		SH-1401						
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3185281, 3703526, 3703527, 3784000, 3815281, 3892671, 3916396, 3923282, 3946841							
C/S Forging	1130, 1178, 1182, 2680, 2690, 3279, 4577, 4672, 306275, 306276, 310514, 3732444, 3832442, 3911000, 3911001, 3911011, 391101A, 3912335, 3914681, 3914682, 3930809, 3932444, 3941172, 3941174, 3941184, 4568749							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
3	454 CID (7.4L) 454 Chevrolet V8 Cyl				4.250in./108mm x 4.000in./101.6mm			3
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4	AL-5	MS-829A-10	20,30	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403A		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
		MB-2404A(F)						
Main Bearing Set 1-2-3-4	TM-77	MS-829P	STD,1,10,20,30,40	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403P		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
		MB-2404P(F)						

MARINE POWER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
3 (Cont.)	454 CID (7.4L) 454 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm				3 (Cont.)
Main Bearing Set	TM-77	MS-1745P-10	20,30					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-3120P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1748P-10	20					
1-2-3-4		MB-3123P		2.7482/2.7492	0.0007/0.0032	0.1087	2.9570/2.9580	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings, Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set	B-1	SH-616S	STD					
1		SH-615		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	3521, 7416, 353039, 359730, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							

MERCURY MARINE

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL			8 CYL (Cont.)		
2.5L Chevrolet 153 CID (2.5L)	3.875in./98.4mmX3.250in./82.6mm	1	225S Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	10
3.0L Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	2	225TR11 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	13
3.0LX Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	2	228TR Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	11
110 Chevrolet 153 CID (2.5L)	3.875in./98.4mmX3.250in./82.6mm	1	230 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	11
470 Ford 224 CID (3.7L)	4.360in./110.7mmX	3	233 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	13
470R Ford 224 CID (3.7L)	4.360in./110.7mmX	3	250 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11
MC120 Chevrolet 153 CID (2.5L)	3.875in./98.4mmX3.250in./82.6mm	1	255 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11
MC140 Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	2	255 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	13
MC155 Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	2	260 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11
MCM120 Chevrolet 153 CID (2.5L)	3.875in./98.4mmX3.250in./82.6mm	1	270 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11
6 CYL			280 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11
4.3L Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	7	300MR/TR Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11
150 Chevrolet 230 CID (3.8L)	3.875in./98.4mmX3.250in./82.6mm	5	330RS Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16
170 Chevrolet 292 CID (4.8L)	3.875in./98.4mmX4.125in./104.8mm	8	330TR Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16
185MR Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	7	350 Magnum Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11
185R Chevrolet 229 CID (3.8L)	3.736in./95mmX3.484in./88.5mm	4	370 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16
200 Chevrolet 292 CID (4.8L)	3.875in./98.4mmX4.125in./104.8mm	8	390 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16
MC160 Chevrolet 250 CID (4.1L)	3.875in./98.4mmX3.531in./89.7mm	6	888 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	10
MC200 Chevrolet 292 CID (4.8L)	3.875in./98.4mmX4.125in./104.8mm	8	898 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	11
MCM160 Chevrolet 250 CID (4.1L)	3.875in./98.4mmX3.531in./89.7mm	6	898R Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	11
MCM165 Chevrolet 250 CID (4.1L)	3.875in./98.4mmX3.531in./89.7mm	6	D7.3L D-Tronic Navistar 444 CID (7.3L)	4.110in./104.4mmX4.180in./106.2mm	15
MCM175 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	7	Diesel Turbocharged		
MCM185 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	7	M350 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11
MCM205 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	7	MC225 Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	12
MIE200 Chevrolet 292 CID (4.8L)	3.875in./98.4mmX4.125in./104.8mm	8	MC250 Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	12
8 CYL			MC320 Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	12
5.0L Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	11	MC325 Chevrolet 427 CID (7.0L)	4.250in./108mmX3.766in./95.7mm	14
5.7L Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11	MC425 Chevrolet 427 CID (7.0L)	4.250in./108mmX3.766in./95.7mm	14
5.7SKI Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11	MCM188 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	10
7.4L Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16	MCM215E Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	10
190 Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	9	MCM215H Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	10
198 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	11	MCM270 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11
200MR Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	11	MCM325 Chevrolet 427 CID (7.0L)	4.250in./108mmX3.766in./95.7mm	14
223 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	13	MCM330 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16
225 Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	12	MCM420 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16
			MCM-TR Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	10
			MIE215 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	10

MERCURY MARINE (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
8 CYL (Cont.)			8 CYL (Cont.)		
MIE215E Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	10	Mark V 465 Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	16
MIE250 Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	12	Mark V 500 Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	16
MIE270 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11	Mark V Bravo Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16
MIE325 Chevrolet 427 CID (7.0L)	4.250in./108mmX3.766in./95.7mm	14	Mark V Bravo Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	16
MIE340 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16	Mark V MIE Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	16
Mark IV 465 Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	16	Mark V Magnum Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	16
Mark IV Bravo Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16	Mark V Magnum Bravo Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16
Mark IV Bravo Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	16	Vortec 8100 L18 OHV Chevrolet 496 CID/8135CC (8.1L)	4.252in./108mmX4.370in./111mm	17
Mark IV Magnum Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	16			
Mark IV Magnum Bravo Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16			

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3185281	3.250in./82.6mm	12	3788435	3.531in./89.7mm	6	3856239	3.766in./95.7mm	14	3946841	3.484in./88.5mm	11
3703526	3.000in./76.2mm	9	3788437	3.250in./82.6mm	5	3856240	4.000in./101.6mm	16	3977110	3.250in./82.6mm	5
3703526	3.250in./82.6mm	12	3788437	3.531in./89.7mm	6	3856240	3.766in./95.7mm	14	3977110	3.531in./89.7mm	6
3703527	3.000in./76.2mm	9	3815281	3.000in./76.2mm	9	3892671	3.484in./88.5mm	11	9793328	3.250in./82.6mm	5
3703527	3.250in./82.6mm	12	3815281	3.250in./82.6mm	12	3916396	3.484in./88.5mm	11	9793328	3.531in./89.7mm	6
3784000	3.000in./76.2mm	9	3837419	3.250in./82.6mm	5	3923282	3.484in./88.5mm	11	C90E	3.500in./88.9mm	13
3784000	3.250in./82.6mm	12	3837419	3.531in./89.7mm	6	3933174	4.000in./101.6mm	16	D60E	3.500in./88.9mm	13
3788435	3.250in./82.6mm	5	3856239	4.000in./101.6mm	16	3933174	3.766in./95.7mm	14			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3C	3.500in./88.9mm	13	306275	3.484in./88.5mm	11	3837266	3.000in./76.2mm	9	3930809	3.250in./82.6mm	12
3M	3.500in./88.9mm	13	306276	3.484in./88.5mm	11	3838266	3.000in./76.2mm	9	3932444	3.484in./88.5mm	11
3MA	3.500in./88.9mm	13	310514	3.484in./88.5mm	11	3849847	3.000in./76.2mm	9	3941172	3.250in./82.6mm	12
7M	3.500in./88.9mm	13	353039	4.000in./101.6mm	16	3855914	3.531in./89.7mm	6	3941174	3.250in./82.6mm	12
7MA	3.500in./88.9mm	13	359730	4.000in./101.6mm	16	3863144	3.766in./95.7mm	14	3941180	3.766in./95.7mm	14
1074		3	391101A	3.250in./82.6mm	12	3864465	3.250in./82.6mm	5	3941184	3.484in./88.5mm	11
1130	3.250in./82.6mm	12	460407	3.531in./89.7mm	6	3874874	3.766in./95.7mm	14	3942411	3.766in./95.7mm	14
1133		3	480407	3.531in./89.7mm	6	3876764	3.000in./76.2mm	9	3962523	4.000in./101.6mm	16
1178	3.000in./76.2mm	9	3727449	3.000in./76.2mm	9	3876768	3.000in./76.2mm	9	3963523	4.000in./101.6mm	16
1178	3.250in./82.6mm	12	3727499	3.000in./76.2mm	9	3876802	3.531in./89.7mm	6	3963524	4.000in./101.6mm	16
1182	3.484in./88.5mm	11	3732444	3.484in./88.5mm	11	3876804	3.531in./89.7mm	6	3967463	4.000in./101.6mm	16
1182	3.250in./82.6mm	12	3734627	3.000in./76.2mm	9	3876840	3.531in./89.7mm	6	3975945	4.000in./101.6mm	16
2593		3	3735236	3.000in./76.2mm	9	3882842	3.766in./95.7mm	14	4568749	3.484in./88.5mm	11
2680	3.250in./82.6mm	12	3782680	3.250in./82.6mm	12	3882847	3.766in./95.7mm	14	5743013	3.250in./82.6mm	5
2690	3.484in./88.5mm	11	3782690	3.250in./82.6mm	12	3882848	3.766in./95.7mm	14	5782680	3.250in./82.6mm	12
3279	3.000in./76.2mm	9	3788423	3.250in./82.6mm	5	3882849	3.766in./95.7mm	14	9782279	3.250in./82.6mm	5
3279	3.250in./82.6mm	12	3788424	3.250in./82.6mm	5	3887114	3.766in./95.7mm	14	9790154	3.531in./89.7mm	6
3521	4.000in./101.6mm	16	3788428	3.250in./82.6mm	5	3899424	3.250in./82.6mm	5	C90E-A	3.500in./88.9mm	13
4577	3.250in./82.6mm	12	3804816	3.766in./95.7mm	14	3904815	3.766in./95.7mm	14	N140966	3.600in./91.4mm	2
4672	3.250in./82.6mm	12	3815822	3.250in./82.6mm	12	3904816	3.766in./95.7mm	14	N353039	4.000in./101.6mm	16
6223	3.766in./95.7mm	14	3820618	3.250in./82.6mm	5	3911000	3.250in./82.6mm	12	N853039	4.000in./101.6mm	16
6764	3.000in./76.2mm	9	3832442	3.484in./88.5mm	11	3911001	3.250in./82.6mm	12	N853638	4.000in./101.6mm	16
7115	3.766in./95.7mm	14	3835236TG	3.000in./76.2mm	9	3911011	3.250in./82.6mm	12	N3941352	3.600in./91.4mm	2
7416	4.000in./101.6mm	16	3836144	3.766in./95.7mm	14	3912335	3.484in./88.5mm	11			
8424	3.250in./82.6mm	5	3836236	3.000in./76.2mm	9	3914681	3.250in./82.6mm	12			
9115	3.766in./95.7mm	14	3836266	3.000in./76.2mm	9	3914682	3.250in./82.6mm	12			

COUNTER DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes

SHOP DATA

Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	153 CID (2.5L) 110,2.5L,MC120,MCM120 Chevrolet 4 Cyl	3.875in./98.4mm x 3.250in./82.6mm	1
Rod Bearing(4)	TM-77 CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000 0.0010/0.0035 0.0621 2.1247/2.1252 0.8420
Main Bearing Set 1-2-3-4	TM-77 MS-1733P	STD,1,10,20,30,40	2.2983/2.2993 0.0006/0.0036 0.0955 2.4906/2.4916 0.8070
5	MB-3135P MB-2588P(F)		2.2983/2.2993 0.0006/0.0036 0.0955 2.4906/2.4916 1.0090

MERCURY MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
1 (Cont.)	153 CID (2.5L) 110,2.5L,MC120,MCM120 Chevrolet 4 Cyl			3.875in./98.4mm x 3.250in./82.6mm				1 (Cont.)
Cam Bearing Set 1-2 3	AL-3	SH-400S SH-400 SH-399	STD	1.8682/1.8692 1.8682/1.8692	0.0005/0.0050 0.0005/0.0050	0.0647 0.0697	1.9990/2.0010 2.0090/2.0110	0.8700 0.8700
Connecting Rod Main Bearing	30 To 35 Lbs.Ft. 45 To 55 Lbs.Ft.							
2	181 CID (3.0L) 3.0L,3.0LX,MC140,MC155 Chevrolet 4 Cyl			4.000in./101.6mm x 3.600in./91.4mm				2
Rod Bearing(4)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(4)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(4)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(4)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1733P MB-3135P MB-2588P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2983/2.2993	0.0006/0.0036 0.0006/0.0036	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.0090
Cam Bearing Set 1-2-3	AL-3	SH-1030S SH-400	STD,10	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
C/S Forging N140966, N3941352								
3	224 CID (3.7L) 470,470R Ford 4 Cyl			4.360in./110.7mm x				3
Rod Bearing(4)	TM-77	CB-1434P	STD,10,20,30	2.4987/2.4997	0.0003/0.0031	0.0765	2.6522/2.6530	0.7410
NOTE: Replaces Original Equipment Number 68704(Lower) And 68705(Upper)								
Main Bearing Set 1-2-4-5 3	TM-112	MS-1741P MB-3117P MB-3118P(F)	STD,10,20	2.7472/2.7482 2.7472/2.7482	0.0003/0.0031 0.0003/0.0031	0.0966 0.0966	2.9417/2.9425 2.9417/2.9425	0.8800 1.1180
NOTE: Replaces Original Equipment Numbers 74313 (4) And 74314								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1111S SH-1111	STD,10	2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.6000
NOTE: Replaces Original Equipment Number C-23-67484								
C/S Forging 1074, 1133, 2593								
Connecting Rod Main Bearing	40 Lbs.Ft. 55 Lbs.Ft.							
6 CYL								
4	229 CID (3.8L) 185R Chevrolet V6 Cyl			3.736in./95mm x 3.484in./88.5mm				4
Rod Bearing(6)	TM-77	CB-1227P	STD,1,10,20,30,40	2.0990/2.1000	0.0003/0.0033	0.0622	2.2247/2.2257	0.7130
Main Bearing Set 1-2-3 4	AL-5	MS-1454A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3 4	TM-77	MS-1454P MB-2508P MB-2509P(F)	STD,1,10,20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3 4	TM-77	MS-1628P-10 MB-2508P MB-2981P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-1684P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-2215P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-4 3	AL-3	SH-1350S SH-1349 SH-1350 SH-1351	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500

MERCURY MARINE (Cont.)

MERCURY MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
4 (Cont.)	229 CID (3.8L) 185R Chevrolet V6 Cyl			3.736in./95mm x 3.484in./88.5mm				4 (Cont.)
Connecting Rod	45 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							
5	230 CID (3.8L) 150 Chevrolet 6 Cyl			3.875in./98.4mm x 3.250in./82.6mm				5
Rod Bearing(6)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-617P	STD,1,10,20,30,40	2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
1-2-3-4-5-6		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
7		MB-2588P(F)						
Cam Bearing Set	AL-3	SH-399S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
1-4		SH-399		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
2-3		SH-400						
Rod Forging	3788435, 3788437, 3837419, 3977110, 9793328							
C/S Forging	8424, 3788423, 3788424, 3788428, 3820618, 3864465, 3899424, 5743013, 9782279							
Connecting Rod	35 To 45 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
6	250 CID (4.1L) MC160,MCM160,MCM165 Chevrolet 6 Cyl			3.875in./98.4mm x 3.531in./89.7mm				6
Rod Bearing(6)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-617P	STD,1,10,20,30,40	2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
1-2-3-4-5-6		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
7		MB-2588P(F)						
Cam Bearing Set	AL-3	SH-399S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
1-4		SH-399		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
2-3		SH-400						
NOTE: Thru 1970								
Cam Bearing Set	AL-3	SH-718S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
1-2-3-4		SH-400						
NOTE: From 1971								
Rod Forging	3788435, 3788437, 3837419, 3977110, 9793328							
C/S Forging	460407, 480407, 3855914, 3876802, 3876804, 3876840, 9790154							
Connecting Rod	35 To 45 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
7	262 CID (4.3L) 185MR,4.3L,MCM175,MCM185,MCM205 Chevrolet V6 Cyl			4.000in./101.6mm x 3.484in./88.5mm				7
Rod Bearing(6)	AL-5	CB-1358A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	TM-77	CB-1358P	STD,1,10,20,30,40	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	AL-5	CB-1794A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1794P-10	20,30,40	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-1454A-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3		MB-2508A		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
4		MB-2509A(F)						
Main Bearing Set	TM-77	MS-1454P	STD,1,10,20,30,40	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
4		MB-2509P(F)						
Main Bearing Set	TM-77	MS-1628P-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
4		MB-2981P(F)						
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1684P-20		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
4		MB-3060P(F)						
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-2215P-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
4		MB-3119P(F)						
NOTE: Contains .010" Oversize Length Flanged Bearing								

MERCURY MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
7 (Cont.)	262 CID (4.3L) 185MR,4.3L,MCM175,MCM185,MCM205 Chevrolet V6 Cyl			4.000in./101.6mm x 3.484in./88.5mm				7 (Cont.)
Cam Bearing Set	AL-3	SH-1350S	STD,10					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-4		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Except Engines Stamped With Identification Number Located On Front Of Block Starting With "T"								
Cam Bearing Set	AL-3	SH-1351S	STD					
1-4		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
3		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
NOTE: Engines Stamped With Identification Number On Front Of Block Starting With "T"								
Connecting Rod	45 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							
8	292 CID (4.8L) 170,200,MC200,MIE200 Chevrolet 6 Cyl			3.875in./98.4mm x 4.125in./104.8mm				8
Rod Bearing(6)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(6)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(6)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-617P	STD,1,10,20,30,40					
1-2-3-4-5-6		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
7		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set	AL-3	SH-399S	STD,10					
1-4		SH-399		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
2-3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
NOTE: Thru 1970								
Cam Bearing Set	AL-3	SH-718S	STD,10					
1-2-3-4		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
NOTE: From 1971								
Connecting Rod	30 To 35 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
8 CYL								
9	283 CID (4.6L) 190 Chevrolet V8 Cyl			3.875in./98.4mm x 3.000in./76.2mm				9
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-429P	STD,1,10,20,30,40					
1-2-3-4		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
5		MB-1769P(F)		2.2978/2.2988	0.0011/0.0041	0.0955	2.4906/2.4916	1.7180
Cam Bearing Set	B-1	SH-287S	STD					
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
5		SH-289		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.9500
NOTE: Thru 1963								
Cam Bearing Set	B-1	SH-290S	STD,10					
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: From 1964								
Cam Bearing Set	AL-3	SH-1352S	STD					
1-2-3-4-5		SH-1352		1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set	AL-3	SH-1401S	STD					
1-2-3-4-5		SH-1401		1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3703526, 3703527, 3784000, 3815281							
C/S Forging	1178, 3279, 6764, 3727449, 3727499, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG							

MERCURY MARINE (Cont.)

COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
9 (Cont.)	283 CID (4.6L) 190 Chevrolet V8 Cyl				3.875in./98.4mm x 3.000in./76.2mm			9 (Cont.)	
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)								
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)								
Main Bearing	60 To 70 Lbs.Ft. (2.298" Diameter Main Bearing Journals)								
10	302 CID (5.0L) 225S,888,MCM-TR,MCM188,MCM215E,MCM215H,MIE215, MIE215E Ford V8 Cyl				4.000in./101.6mm x 3.000in./76.2mm			10	
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260	
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260	
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	AL-5	MS-590A-10	20,30						
1-2-4-5		MB-2121A		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900	
3		MB-2122A(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330	
Main Bearing Set	TM-77	MS-590P	STD,1,10,20,30,40						
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900	
3		MB-2122P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330	
Main Bearing Set	TM-77	MS-1746P-10	20,30						
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900	
3		MB-3124P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430	
NOTE: Contains .010" Oversize Length Flanged Bearing									
Cam Bearing Set	B-1	SH-510S	STD,10						
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700	
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700	
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700	
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700	
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700	
Connecting Rod	19 To 24 Lbs.Ft.								
Main Bearing	60 To 70 Lbs.Ft.								
11	305 CID (5.0L) 198,200MR,228TR,230,5.0L,898,898R Chevrolet V8 Cyl				3.736in./95mm x 3.484in./88.5mm			11	
	350 CID (5.7L) 250,255,260,270,280,300MR/TR,350 Magnum,5.7L,5.7SKI, M350,MCM270,MIE270 Chevrolet V8 Cyl				4.000in./101.6mm x 3.484in./88.5mm				
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420	
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420	
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	AL-5	MS-909A-10	20,30						
1-2-3-4		MB-2508A		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070	
5		MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180	
Main Bearing Set	TM-77	MS-909P	STD,1,2,10,20,30,40,C60						
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070	
5		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180	
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing									
Main Bearing Set	TM-77	MS-1626P-10	20,30,40						
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070	
5		MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380	
NOTE: Contains .020" Oversize Length Flanged Bearing									
Main Bearing Set	TM-77	MS-1683P-20							
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070	
5		MB-3060P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580	
NOTE: Contains .040" Oversize Length Flanged Bearing									
Main Bearing Set	TM-77	MS-1744P-10	20,30						
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070	
5		MB-3119P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280	
NOTE: Contains .010" Oversize Length Flanged Bearing									

MERCURY MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
11 (Cont.)	305 CID (5.0L) 198,200MR,228TR,230,5.0L,898,898R Chevrolet V8 Cyl				3.736in./95mm x 3.484in./88.5mm			11 (Cont.)
	350 CID (5.7L) 250,255,260,270,280,300MR/TR,350 Magnum,5.7L,5.7SKI, M350,MCM270,MIE270 Chevrolet V8 Cyl				4.000in./101.6mm x 3.484in./88.5mm			
Cam Bearing Set	B-1	SH-290S	STD,10					
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
Cam Bearing Set	AL-3	SH-1349S	STD					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set	AL-3	SH-1352S	STD					
1-2-3-4-5		SH-1352		1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set	AL-3	SH-1401S	STD					
1-2-3-4-5		SH-1401		1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3892671, 3916396, 3923282, 3946841							
C/S Forging	1182, 2690, 306275, 306276, 310514, 3732444, 3832442, 3912335, 3932444, 3941184, 4568749							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
12	327 CID (5.4L) 225,MC225,MC250,MC320,MIE250 Chevrolet V8 Cyl				4.000in./101.6mm x 3.250in./82.6mm			12
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
NOTE: 2.000" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-429P	STD,1,10,20,30,40					
1-2-3-4		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
5		MB-1769P(F)		2.2978/2.2988	0.0011/0.0041	0.0955	2.4906/2.4916	1.7180
NOTE: 2.298" Diameter Main Bearing Journals								
Main Bearing Set	AL-5	MS-909A-10	20,30					
1-2-3-4		MB-2508A		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: 2.448" Diameter Main Bearing Journals								
Main Bearing Set	TM-77	MS-909P	STD,1,2,10,20,30,40,C60					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: 2.448" Diameter Main Bearing Journals, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1626P-10	20,30,40					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: 2.448" Diameter Main Bearing Journals, Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1683P-20						
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-3060P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: 2.448" Diameter Main Bearing Journals, Contains .040" Oversize Length Flanged Bearing								

MERCURY MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
12 (Cont.)	327 CID (5.4L) 225,MC225,MC250,MC320,MIE250 Chevrolet V8 Cyl				4.000in./101.6mm x 3.250in./82.6mm			12 (Cont.)
Main Bearing Set 1-2-3-4 5	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: 2.448" Diameter Main Bearing Journals, Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3-4 5	B-1	SH-287S SH-290 SH-288 SH-287 SH-289	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644 0.0694	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500 0.9500
NOTE: Thru 1963								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: From 1964								
Cam Bearing Set 1 2-5 3-4	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: From 1964, Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3185281, 3703526, 3703527, 3784000, 3815281 1130, 1178, 1182, 2680, 3279, 4577, 4672, 3782680, 3782690, 3815822, 3911000, 3911001, 3911011, 391101A, 3914681, 3914682, 3930809, 3941172, 3941174, 5782680							
Connecting Rod Connecting Rod Main Bearing Main Bearing	35 Lbs.Ft. (11/32" Bolts) 45 Lbs.Ft. (3/8" Bolts) 60 To 70 Lbs.Ft. (2.298" Diameter Main Bearing Journals) 75 Lbs.Ft. (2.448" Diameter Main Bearing Journals)							
13	351 CID (5.8L) 223,225TR11,233,255 Ford Windsor V8 Cyl				4.000in./101.6mm x 3.500in./88.9mm			13
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	TM-77	MS-981P MB-2557P MB-2558P(F)	STD,1,10,20,30,40	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: Thru 1976, Full Grooved Main Bearings								
Main Bearing Set 1-2-4-5 3	AL-5	MS-1432A-10 MB-2754A MB-2558A(F)	20,30	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Main Bearing Set 1-2-4-5 3	TM-77	MS-1432P MB-2754P MB2558P(F)	STD,1,10,20,30,40	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Cam Bearing Set 1 2 3 4 5	B-1	SH-510S SH-510 SH-511 SH-512 SH-513 SH-514	STD,10	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700

MERCURY MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
13 (Cont.)	351 CID (5.8L) 223,225TR11,233,255 Ford Windsor V8 Cyl				4.000in./101.6mm x 3.500in./88.9mm			13 (Cont.)
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
14	427 CID (7.0L) MC325,MC425,MCM325,MIE325 Chevrolet V8 Cyl				4.250in./108mm x 3.766in./95.7mm			14
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4	AL-5	MS-829A-10	20,30	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403A MB-2404A(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set 1-2-3-4	TM-77	MS-829P	STD,1,10,20,30,40	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403P MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set 1-2-3-4	TM-77	MS-1745P-10	20,30	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403P MB-3120P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1748P-10	20	2.7482/2.7492	0.0007/0.0032	0.1087	2.9570/2.9580	1.0440
5		MB-3123P MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set 1	B-1	SH-615S	STD	1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2		SH-615		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-616		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
5		SH-617		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
NOTE: Thru 1966								
Cam Bearing Set 1	B-1	SH-616S	STD	1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-615		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-616		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
NOTE: From 1967								
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	6223, 7115, 9115, 3804816, 3836144, 3863144, 3874874, 3882842, 3882847, 3882848, 3882849, 3887114, 3904815, 3904816, 3941180, 3942411							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							
15	444 CID (7.3L) D7.3L D-Tronic Navistar Turbocharged Diesel V8 Cyl				4.110in./104.4mm x 4.180in./106.2mm			15
Rod Bearing(6)	TM-112	CB-1633P	STD,10,20,30,40	2.4980/2.4990	0.0016/0.0046	0.0952	2.6905/2.6915	0.9640
Main Bearing Set 1-2-3-4	TM-112	MS-2034P	STD,10,20,30	3.1228/3.1236	0.0018/0.0046	0.0949	3.3152/3.3162	0.9330
5		MB-3497P MB-3498P(F)		3.1228/3.1236	0.0018/0.0046	0.0949	3.3152/3.3162	1.2380
Cam Bearing Set 1	AL-3	SH-1092S	STD	2.0990/2.1000	0.0009/0.0054	0.0638	2.2305/2.2320	0.7900
2-3-4-5		SH-1092 SH-1093		2.0990/2.1000	0.0009/0.0054	0.0638	2.2305/2.2320	0.6550
Piston Pin Bushing(8)	C-1	223-3652	STD			0.0760	1.4320/1.4330	1.1520
NOTE: Requires Light Reaming								

MERCURY MARINE (Cont.)

MERCURY MARINE (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
16	454 CID (7.4L) 330RS,330TR,370,390,7.4L,MCM330,MCM420,MIE340 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm					
	454 CID (7.4L) Mark IV Bravo,Mark IV Magnum Bravo Chevrolet V8 Cyl (1988-1992)			4.250in./108mm x 4.000in./101.6mm					
	454 CID (7.4L) Mark V Bravo,Mark V Magnum Bravo Chevrolet V8 Cyl (1992-1994)			4.250in./108mm x 4.000in./101.6mm					
	502 CID (8.2L) Mark IV 465 Chevrolet V8 Cyl (1990-1994)			4.470in./113.5mm x 4.000in./101.6mm					
	502 CID (8.2L) Mark IV Bravo,Mark IV Magnum Chevrolet V8 Cyl (1990-1992)			4.470in./113.5mm x 4.000in./101.6mm					
	502 CID (8.2L) Mark V 465,Mark V 500,Mark V Bravo,Mark V Magnum Chevrolet V8 Cyl (1990-1995)			4.470in./113.5mm x 4.000in./101.6mm					
	502 CID (8.2L) Mark V MIE Chevrolet V8 Cyl (1992-1995)			4.470in./113.5mm x 4.000in./101.6mm					
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920	
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920	
Main Bearing Set 1-2-3-4 5	AL-5	MS-829A-10 MB-2403A MB-2404A(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110	
Main Bearing Set 1-2-3-4 5	TM-77	MS-829P MB-2403P MB-2404P(F)	STD,1,10,20,30,40	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110	
Main Bearing Set 1-2-3-4 5	TM-77	MS-1745P-10 MB-2403P MB-3120P(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8210	
NOTE: Contains .010" Oversize Length Flanged Bearing									
Main Bearing Set 1-2-3-4 5	TM-77	MS-1748P-10 MB-3123P MB-2404P(F)	20	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.1087 0.0937	2.9570/2.9580 2.9370/2.9380	1.0440 1.8110	
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter									
Cam Bearing Set 1 2-5 3-4	B-1	SH-616S SH-615 SH-616 SH-617	STD	1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205	0.8700 0.9900 0.9900	
Rod Forging	3856239, 3856240, 3933174								
C/S Forging	3521, 7416, 353039, 359730, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638								
Connecting Rod	45 To 55 Lbs.Ft.								
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)								
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)								
17	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet V8 Cyl (2001-2003)			4.252in./108mm x 4.370in./111mm					17
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920	
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920	
Main Bearing Set 1-2-3-4 5	AL-5	MS-2235AL MB-3774AL MB-3775AL(F)	STD,10,20	2.7482/2.7489 2.7482/2.7489	0.0010/0.0033 0.0005/0.0022	0.0937 0.0940	2.9370/2.9380 2.9373/2.9378	1.0470 1.8110	
Cam Bearing Set 1 2-5 3-4	B-1	SH-616S SH-615 SH-616 SH-617	STD	1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205	0.8700 0.9900 0.9900	

NISSAN MARINE

ENGINE DATA									
Engine	Bore & Stroke			Block					
	6 CYL								
SD33T Nissan 3246CC (3.2L) Diesel Turbocharged	3.268in./83mmX3.937in./100mm			1					
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL									
1	3246CC (3.2L) SD33T Nissan Turbocharged Diesel 6 Cyl				3.268in./83mm x 3.937in./100mm				1
Rod Bearing(6)	TM-1	CB-988P	STD, .25mm, .50mm, .75mm		2.0832/2.0837	0.0014/0.0034	0.0590	2.2042/2.2047	1.0230
Main Bearing Set 1-2-3-4	TM-1	MS-1332P MB-642P	STD, .25mm		2.7916/2.7921	0.0014/0.0034	0.0790	2.9520/2.9528	1.2650
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-230S									
Thrust Washer Set		TW-230S	STD						
		MB-648W(L)			3.0950/3.1050			3.6830/3.6930	0.0910
		MB-648W(U)			3.0950/3.1050			3.6830/3.6930	0.0910
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1332P									
Cam Bearing Set 1	B-1	SH-952S	STD		1.7887/1.7892	0.0010/0.0040	0.0624	1.9150/1.9160	0.5610
2-3		SH-772			1.7282/1.7287	0.0015/0.0046	0.0624	1.8550/1.8560	0.8760
4		SH-765			1.6228/1.6233	0.0009/0.0040	0.0624	1.7490/1.7500	0.9550
NOTE: Thru 4/79									
Cam Bearing Set 1	B-1	SH-1432S	STD		2.0226/2.0236	0.0008/0.0035	0.0585	2.1421/2.1429	0.9450
2		SH-1432			2.0147/2.0157	0.0008/0.0035	0.0585	2.1342/2.1350	0.8660
3		SH-1434			2.0069/2.0079	0.0008/0.0035	0.0585	2.1264/2.1272	0.8660
4		SH-1435			1.9990/2.0000	0.0008/0.0035	0.0585	2.1185/2.1193	0.9450
NOTE: From 5/79									
Piston Pin Bushing(6)	B-1	223-3638	STD				0.0600	1.1417/1.1427	1.1811
Connecting Rod Main Bearing	37 Lbs.Ft. 123 To 127 Lbs.Ft.								

OSCO MARINE

ENGINE DATA											
Engine	Bore & Stroke			Block	Engine	Bore & Stroke			Block		
300 Ford 300 CID (4.9L)	4.000in./101.6mmX3.980in./101.1mm			1	8 CYL (Cont.)	4.000in./101.6mmX3.500in./88.9mm			3		
Ford 300 CID (4.9L)	4.000in./101.6mmX3.980in./101.1mm			1		4.000in./101.6mmX3.500in./88.9mm			3		
8 CYL						240 Ford Windsor 351 CID (5.8L)			3		
215 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm			2		250 Ford Windsor 351 CID (5.8L)			3		
225 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm			2		255 Ford Windsor 351 CID (5.8L)			3		
235 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm			3	455 Oldsmobile 455 CID (7.5L)			4			
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
21A-6200	3.000in./76.2mm	2	C2OE	3.000in./76.2mm	2	C3AE-J	3.000in./76.2mm	2	C30E-A	3.000in./76.2mm	2
91A-6200	3.000in./76.2mm	2	C3AE-A	3.000in./76.2mm	2	C8DE	3.000in./76.2mm	2	C90E	3.500in./88.9mm	3
384759	4.250in./108mm	4	C3AE-D	3.000in./76.2mm	2	C8OE-A	3.000in./76.2mm	2	D60E	3.500in./88.9mm	3
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1J	3.000in./76.2mm	2	3C	3.500in./88.9mm	3	230908	4.250in./108mm	4	C3AE-F	3.000in./76.2mm	2
1M	3.000in./76.2mm	2	3M	3.500in./88.9mm	3	397303	4.250in./108mm	4	C30E-B	3.000in./76.2mm	2
1MA	3.000in./76.2mm	2	3MA	3.500in./88.9mm	3	397363	4.250in./108mm	4	C30Z	3.000in./76.2mm	2
2M	3.000in./76.2mm	2	7M	3.500in./88.9mm	3	400934	4.250in./108mm	4	C9ZE-A	3.000in./76.2mm	2
2MA	3.000in./76.2mm	2	7MA	3.500in./88.9mm	3	403707	4.250in./108mm	4	C20Z-A	3.000in./76.2mm	2
2MAB	3.000in./76.2mm	2	230331	4.250in./108mm	4	405954	4.250in./108mm	4	C80E-B	3.000in./76.2mm	2
2MAC	3.000in./76.2mm	2	230377	4.250in./108mm	4	C0E-A	3.000in./76.2mm	2	C90E-A	3.500in./88.9mm	3
2MAD	3.000in./76.2mm	2	230378	4.250in./108mm	4	C2OE-A	3.000in./76.2mm	2	GS-M	3.000in./76.2mm	2
2MAE	3.000in./76.2mm	2	230907	4.250in./108mm	4	C20Z	3.000in./76.2mm	2			

OSCO MARINE (Cont.)

OSCO MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
				6 CYL				
1	300 CID (4.9L) ,300 Ford 6 Cyl			4.000in./101.6mm x 3.980in./101.1mm				1
Rod Bearing(6)	TM-77	CB-699P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0002/0.0028	0.0756	2.2750/2.2758	0.8000
Rod Bearing(6)	TM-77	CB-1799P-10	20,30,40	2.1228/2.1236	0.0002/0.0028	0.0766	2.2770/2.2778	0.8000
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-765P	STD,10,20,30					
1-2-3-4-6-7		MB-2553P		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	0.9700
5		MB-2296P(F)		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	1.1950
NOTE: Engines With 3.368" Main Bearing Flange Outside Diameter								
Main Bearing Set	TM-77	MS-979P	STD,1,10,20,30,40,C60					
1-2-3-4-6-7		MB-2553P		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	0.9700
5		MB-2554P(F)		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	1.1950
NOTE: Engines With 3.567" Main Bearing Flange Outside Diameter, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set	AL-3	SH-567S	STD,10					
1-2-3-4		SH-567		2.0170/2.0180	0.0010/0.0050	0.0625	2.1440/2.1450	0.8700
NOTE: Thru 5/14/85								
Cam Bearing Set	AL-3	SH-1254S	STD					
1-4		SH-1254		2.0170/2.0180	0.0010/0.0050	0.0695	2.1580/2.1589	0.8700
2-3		SH-567		2.0170/2.0180	0.0010/0.0050	0.0625	2.1440/2.1450	0.8700
NOTE: From 5/15/85								
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
				8 CYL				
2	302 CID (5.0L) 215,225 Ford V8 Cyl			4.000in./101.6mm x 3.000in./76.2mm				2
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-590A-10	20,30					
1-2-4-5		MB-2121A		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122A(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-590P	STD,1,10,20,30,40					
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-1746P-10	20,30					
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-3124P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-510S	STD,10					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	C20E, C8DE, C30E-A, C3AE-A, C3AE-D, C3AE-J, C80E-A, 21A-6200, 91A-6200							
C/S Forging	1J, 1M, 2M, 1MA, 2MA, 2MAB, 2MAC, 2MAD, 2MAE, C2OZ, C3OZ, GS-M, C0E-A, C2OZ-A, C20E-A, C3AE-F, C30E-B, C80E-B, C9ZE-A							
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
3	351 CID (5.8L) 235,240,250,255 Ford Windsor V8 Cyl			4.000in./101.6mm x 3.500in./88.9mm				3
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								

OSCO MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
3 (Cont.)	351 CID (5.8L) 235,240,250,255 Ford Windsor V8 Cyl				4.000in./101.6mm x 3.500in./88.9mm			3 (Cont.)
Main Bearing Set	TM-77	MS-981P	STD,1,10,20,30,40					
1-2-4-5		MB-2557P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Thru 1976, Full Grooved Main Bearings								
Main Bearing Set	AL-5	MS-1432A-10	20,30					
1-2-4-5		MB-2754A		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558A(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-1432P	STD,1,10,20,30,40					
1-2-4-5		MB-2754P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Cam Bearing Set	B-1	SH-510S	STD,10					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	C90E, D60E							
C/S Forging	3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
4	455 CID (7.5L) 455 Oldsmobile V8 Cyl (1968-1976)				4.125in./104.8mm x 4.250in./108mm			4
Rod Bearing(8)	TM-77	CB-542P	STD,1,10,20,30,40	2.4988/2.4998	0.0007/0.0032	0.0620	2.6245/2.6250	0.8310
Main Bearing Set	TM-77	MS-804P	STD,10,20,30					
1		MB-2362P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9800
2-4		MB-2163P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9790
3		MB-2363P(F)		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	1.1950
5		MB-2364P		2.9993/3.0003	0.0016/0.0049	0.0932	3.1880/3.1890	1.6290
Cam Bearing Set	AL-3	SH-1354S	STD					
1		SH-1354		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
Rod Forging	384759							
C/S Forging	230331, 230377, 230378, 230907, 230908, 397303, 397363, 400934, 403707, 405954							
Connecting Rod	32 To 42 Lbs.Ft.							
Main Bearing	90 To 120 Lbs.Ft.							

OUTBOARD MARINE CORP.

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL			6 CYL (Cont.)		
3.0 Litre Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	1	HU16 Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	2
130 Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	1	HUE14D Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	2
140 Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	1	HUE15S Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	2
181 Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	1	HUE16C Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	2
6 CYL			8 CYL		
3.8 Litre Chevrolet 229 CID (3.8L)	3.736in./95mmX3.484in./88.5mm	3	5.0 Litre Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	9
4.3 Litre Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	5	5.0 Litre H.O. Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	9
165 Chevrolet 250 CID (4.1L)	3.875in./98.4mmX3.531in./89.7mm	4	5.7 Litre Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	9
205 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	5	5.8 Litre Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10
262 King Cobra Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	5	148 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	8
Cobra 175 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	5	155 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	8
HU14D Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	2	170 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	8
HU15S Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	2	175 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	8

OUTBOARD MARINE CORP. (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
8 CYL (Cont.)			8 CYL (Cont.)		
185 Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	6	250 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	9
185 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	9	250 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10
190 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	8	260 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	9
200 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	9	270 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	9
210 Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	9	302 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	8
215 Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	9	350 King Cobra Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	9
225 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	9	454 Magnum Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	11
225 Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	9	Buick 300 CID (4.9L)	3.750in./95.3mmX3.400in./86.4mm	7
230 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	9	MC330 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	11
235 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	SDX235 Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	9
240 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	SDX245 Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	9
245 Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	9			

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
201	3.400in./86.4mm	2	3185281	3.250in./82.6mm	9	3815281	3.000in./76.2mm	6	3946841	3.484in./88.5mm	9
220	3.400in./86.4mm	2	3703526	3.000in./76.2mm	6	3815281	3.250in./82.6mm	9	3977110	3.531in./89.7mm	4
673	3.400in./86.4mm	2	3703526	3.250in./82.6mm	9	3837419	3.531in./89.7mm	4	9793328	3.531in./89.7mm	4
763	3.400in./86.4mm	2	3703527	3.000in./76.2mm	6	3856239	4.000in./101.6mm	11	25509405	3.400in./86.4mm	2
779	3.400in./86.4mm	2	3703527	3.250in./82.6mm	9	3856240	4.000in./101.6mm	11	C90E	3.500in./88.9mm	10
1357201	3.400in./86.4mm	2	3784000	3.000in./76.2mm	6	3892671	3.484in./88.5mm	9	D60E	3.500in./88.9mm	10
1357333	3.400in./86.4mm	2	3784000	3.250in./82.6mm	9	3916396	3.484in./88.5mm	9			
1377248	3.400in./86.4mm	2	3788435	3.531in./89.7mm	4	3923282	3.484in./88.5mm	9			
1377248	3.400in./86.4mm	7	3788437	3.531in./89.7mm	4	3933174	4.000in./101.6mm	11			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3C	3.500in./88.9mm	10	353039	4.000in./101.6mm	11	3734627	3.000in./76.2mm	6	3941184	3.484in./88.5mm	9
3M	3.500in./88.9mm	10	359730	4.000in./101.6mm	11	3735236	3.000in./76.2mm	6	3962523	4.000in./101.6mm	11
3MA	3.500in./88.9mm	10	378354	3.400in./86.4mm	2	3832442	3.484in./88.5mm	9	3963523	4.000in./101.6mm	11
7M	3.500in./88.9mm	10	391101A	3.250in./82.6mm	9	3835236TG	3.000in./76.2mm	6	3963524	4.000in./101.6mm	11
7MA	3.500in./88.9mm	10	460407	3.531in./89.7mm	4	3836236	3.000in./76.2mm	6	3967463	4.000in./101.6mm	11
1130	3.250in./82.6mm	9	480407	3.531in./89.7mm	4	3836266	3.000in./76.2mm	6	3975945	4.000in./101.6mm	11
1178	3.000in./76.2mm	6	1254083	3.400in./86.4mm	2	3837266	3.000in./76.2mm	6	4568749	3.484in./88.5mm	9
1178	3.250in./82.6mm	9	1255645	3.400in./86.4mm	2	3838266	3.000in./76.2mm	6	9790154	3.531in./89.7mm	4
1182	3.484in./88.5mm	9	1255646	3.400in./86.4mm	2	3849847	3.000in./76.2mm	6	25505554	3.400in./86.4mm	2
2680	3.250in./82.6mm	9	1255674	3.400in./86.4mm	2	3855914	3.531in./89.7mm	4	25506397	3.400in./86.4mm	2
2690	3.484in./88.5mm	9	1255846	3.400in./86.4mm	2	3876764	3.000in./76.2mm	6	25506818	3.400in./86.4mm	2
3279	3.000in./76.2mm	6	1255862	3.400in./86.4mm	2	3876768	3.000in./76.2mm	6	25509404	3.400in./86.4mm	2
3279	3.250in./82.6mm	9	1257125	3.400in./86.4mm	2	3876802	3.531in./89.7mm	4	25514290	3.400in./86.4mm	2
3521	4.000in./101.6mm	11	1260877	3.400in./86.4mm	2	3876804	3.531in./89.7mm	4	25520329	3.400in./86.4mm	2
4577	3.250in./82.6mm	9	1261438	3.400in./86.4mm	2	3876840	3.531in./89.7mm	4	C90E-A	3.500in./88.9mm	10
4672	3.250in./82.6mm	9	1261787	3.400in./86.4mm	2	3911000	3.250in./82.6mm	9	N3937	3.600in./91.4mm	1
6764	3.000in./76.2mm	6	1357898	3.400in./86.4mm	2	3911001	3.250in./82.6mm	9	N140966	3.600in./91.4mm	1
7416	4.000in./101.6mm	11	1357899	3.400in./86.4mm	7	3911011	3.250in./82.6mm	9	N353039	4.000in./101.6mm	11
14096	3.600in./91.4mm	1	1378350	3.400in./86.4mm	7	3912335	3.484in./88.5mm	9	N393775	3.600in./91.4mm	1
230277	3.400in./86.4mm	2	1378351	3.400in./86.4mm	2	3914681	3.250in./82.6mm	9	N853039	4.000in./101.6mm	11
230278	3.400in./86.4mm	2	1378354	3.400in./86.4mm	2	3914682	3.250in./82.6mm	9	N853638	4.000in./101.6mm	11
230378	3.400in./86.4mm	2	3727449	3.000in./76.2mm	6	3930809	3.250in./82.6mm	9	N3941352	3.600in./91.4mm	1
306275	3.484in./88.5mm	9	3727499	3.000in./76.2mm	6	3932444	3.484in./88.5mm	9			
306276	3.484in./88.5mm	9	3729449	3.000in./76.2mm	6	3941172	3.250in./82.6mm	9			
310514	3.484in./88.5mm	9	3732444	3.484in./88.5mm	9	3941174	3.250in./82.6mm	9			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	181 CID (3.0L)	130,140,181,3.0 Litre Chevrolet 4 Cyl		4.000in./101.6mm x 3.600in./91.4mm				1
Rod Bearing(4)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(4)	TM-77	CB-663P	STD, 1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(4)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(4)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								

OUTBOARD MARINE CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
1 (Cont.)	181 CID (3.0L) 130,140,181,3.0 Litre Chevrolet 4 Cyl			4.000in./101.6mm x 3.600in./91.4mm				1 (Cont.)
Main Bearing Set	TM-77	MS-1733P	STD,1,10,20,30,40					
1-2-3-4		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
5		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set	AL-3	SH-1030S	STD,10					
1-2-3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
6 CYL								
2	225 CID (3.7L) HU14D,HU15S,HU16,HUE14D,HUE15S,HUE16C Buick V6 Cyl			3.750in./95.3mm x 3.400in./86.4mm				2
Rod Bearing(6)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set	TM-77	MS-960P	STD,1,10,20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-2434P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
Main Bearing Set	TM-77	MS-1688P-10	20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3063P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1690P-20	30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3064P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0980
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1747P-10	20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3125P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0680
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-506S	STD					
1		SH-506		1.7550/1.7560	0.0010/0.0060	0.0643	1.8855/1.8875	0.7600
2		SH-363		1.7250/1.7260	0.0010/0.0060	0.0643	1.8555/1.8575	0.7600
3		SH-364		1.6950/1.6960	0.0010/0.0060	0.0643	1.8255/1.8275	0.7600
4		SH-365		1.6650/1.6660	0.0010/0.0060	0.0643	1.7955/1.7975	0.7600
Rod Forging	201, 220, 673, 763, 779, 1357201, 1357333, 1377248, 25509405							
C/S Forging	230277, 230278, 230378, 378354, 1254083, 1255645, 1255646, 1255674, 1255846, 1255862, 1257125, 1260877, 1261438, 1261787, 1357898, 1378351, 1378354, 25505554, 25506397, 25506818, 25509404, 25514290, 25520329							
Connecting Rod	30 To 40 Lbs.Ft.							
Main Bearing	65 To 70 Lbs.Ft. (Thru 1964)							
Main Bearing	95 To 120 Lbs.Ft. (From 1965)							
3	229 CID (3.8L) 3.8 Litre Chevrolet V6 Cyl			3.736in./95mm x 3.484in./88.5mm				3
Rod Bearing(6)	TM-77	CB-1227P	STD,1,10,20,30,40	2.0990/2.1000	0.0003/0.0033	0.0622	2.2247/2.2257	0.7130
Main Bearing Set	AL-5	MS-1454A-10	20,30					
1-2-3		MB-2508A		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set	TM-77	MS-1454P	STD,1,10,20,30,40					
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set	TM-77	MS-1628P-10	20,30					
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1684P-20						
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-3060P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-2215P-10	20,30					
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-3119P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								

OUTBOARD MARINE CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
3 (Cont.)	229 CID (3.8L) 3.8 Litre Chevrolet V6 Cyl			3.736in./95mm x 3.484in./88.5mm				3 (Cont.)
Cam Bearing Set	AL-3	SH-1350S	STD,10					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-4		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
Connecting Rod	45 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							
4	250 CID (4.1L) 165 Chevrolet 6 Cyl			3.875in./98.4mm x 3.531in./89.7mm				4
Rod Bearing(6)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-617P	STD,1,10,20,30,40					
1-2-3-4-5-6		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
7		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set	AL-3	SH-399S	STD,10					
1-4		SH-399		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
2-3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
NOTE: Thru 1970								
Cam Bearing Set	AL-3	SH-718S	STD,10					
1-2-3-4		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
NOTE: From 1971								
Rod Forging	3788435, 3788437, 3837419, 3977110, 9793328							
C/S Forging	460407, 480407, 3855914, 3876802, 3876804, 3876840, 9790154							
Connecting Rod	35 To 45 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
5	262 CID (4.3L) 205,262 King Cobra,4.3 Litre,Cobra 175 Chevrolet V6 Cyl			4.000in./101.6mm x 3.484in./88.5mm				5
Rod Bearing(6)	AL-5	CB-1358A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	TM-77	CB-1358P	STD,1,10,20,30,40	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	AL-5	CB-1794A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1794P-10	20,30,40	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-1454A-10	20,30					
1-2-3		MB-2508A		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set	TM-77	MS-1454P	STD,1,10,20,30,40					
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set	TM-77	MS-1628P-10	20,30					
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1684P-20						
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-3060P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-2215P-10	20,30					
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-3119P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	AL-3	SH-1350S	STD,10					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-4		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Except Engines Stamped With Identification Number Located On Front Of Block Starting With "T"								
Cam Bearing Set	AL-3	SH-1351S	STD					
1-4		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
3		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
NOTE: Engines Stamped With Identification Number On Front Of Block Starting With "T"								

OUTBOARD MARINE CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
5 (Cont.)	262 CID (4.3L) 205,262 King Cobra,4.3 Litre,Cobra 175 Chevrolet V6 Cyl				4.000in./101.6mm x 3.484in./88.5mm			5 (Cont.)
Connecting Rod	45 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							
8 CYL								
6	283 CID (4.6L) 185 Chevrolet V8 Cyl				3.875in./98.4mm x 3.000in./76.2mm			6
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set 1-2-3-4	TM-77	MS-429P	STD,1,10,20,30,40	2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
5		MB-3135P		2.2978/2.2988	0.0011/0.0041	0.0955	2.4906/2.4916	1.7180
		MB-1769P(F)						
Cam Bearing Set 1	B-1	SH-287S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-288		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
5		SH-287		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.9500
		SH-289						
NOTE: Thru 1963								
Cam Bearing Set 1	B-1	SH-290S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-288		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
		SH-287						
NOTE: From 1964								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
		SH-1352						
NOTE: From 1964,Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
		SH-1401						
NOTE: From 1964,Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3703526, 3703527, 3784000, 3815281							
C/S Forging	1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft.							
7	300 CID (4.9L) Buick V8 Cyl (1964-1967)				3.750in./95.3mm x 3.400in./86.4mm			7
Rod Bearing(8)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set 1-2-4	TM-77	MS-961P	STD,10,20,30	2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580
5		MB-2434P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
		MB-2491P						
Main Bearing Set 1-2-4	TM-77	MS-1689P-20	30	2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780
5		MB-3063P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
		MB-2491P						
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-4	TM-77	MS-1691P-20	30	2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0980
5		MB-3064P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
		MB-2491P						
NOTE: Contains .040" Oversize Length Flanged Bearing								
Rod Forging	1377248							
C/S Forging	1357899, 1378350							
Connecting Rod	30 To 40 Lbs.Ft.							
Main Bearing	50 To 55 Lbs.Ft. (1964,Except Rear Bearing Cap)							
Main Bearing	65 To 70 Lbs.Ft. (1964,Rear Bearing Cap)							
Main Bearing	95 To 120 Lbs.Ft. (1965-1967)							
8	302 CID (5.0L) 148,155,170,175,190,302 Ford V8 Cyl				4.000in./101.6mm x 3.000in./76.2mm			8
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								

OUTBOARD MARINE CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
8 (Cont.)	302 CID (5.0L) 148,155,170,175,190,302 Ford V8 Cyl			4.000in./101.6mm x 3.000in./76.2mm				8 (Cont.)
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-590A-10	20,30	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
1-2-4-5		MB-2121A		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
3		MB-2122A(F)						
Main Bearing Set	TM-77	MS-590P	STD,1,10,20,30,40	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
1-2-4-5		MB-2121P		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
3		MB-2122P(F)						
Main Bearing Set	TM-77	MS-1746P-10	20,30	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
1-2-4-5		MB-2121P		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430
3		MB-3124P(F)						
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-510S	STD,10	2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
1		SH-510		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
2		SH-511		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
3		SH-512		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
4		SH-513		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
5		SH-514						
Connecting Rod 19 To 24 Lbs.Ft. (1965-1967)								
Main Bearing 60 To 70 Lbs.Ft.								
9	305 CID (5.0L) 185,200,225,230,5.0 Litre,5.0 Litre H.O. Chevrolet V8 Cyl			3.736in./95mm x 3.484in./88.5mm				9
	307 CID (5.0L) 210,215,225,245,SDX235,SDX245 Chevrolet V8 Cyl			3.875in./98.4mm x 3.250in./82.6mm				
	350 CID (5.7L) 250,260,270,350 King Cobra,5.7 Litre Chevrolet V8 Cyl			4.000in./101.6mm x 3.484in./88.5mm				
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-909A-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3-4		MB-2508A		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
5		MB-2509A(F)						
Main Bearing Set	TM-77	MS-909P	STD,1,2,10,20,30,40,C60	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3-4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
5		MB-2509P(F)						
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1626P-10	20,30,40	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3-4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
5		MB-2981P(F)						
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1683P-20		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3-4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
5		MB-3060P(F)						
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1744P-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3-4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
5		MB-3119P(F)						
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-290S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
2-5		SH-288		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
3-4		SH-287						
Cam Bearing Set	AL-3	SH-1349S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
2-5		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
3-4		SH-1351						
NOTE: Heavy Duty Engine								

OUTBOARD MARINE CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
9 (Cont.)	305 CID (5.0L) 185,200,225,230,5.0 Litre,5.0 Litre H.O. Chevrolet V8 Cyl 307 CID (5.0L) 210,215,225,245,SDX235,SDX245 Chevrolet V8 Cyl 350 CID (5.7L) 250,260,270,350 King Cobra,5.7 Litre Chevrolet V8 Cyl				3.736in./95mm x 3.484in./88.5mm 3.875in./98.4mm x 3.250in./82.6mm 4.000in./101.6mm x 3.484in./88.5mm			9 (Cont.)
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3185281, 3703526, 3703527, 3784000, 3815281, 3892671, 3916396, 3923282, 3946841 1130, 1178, 1182, 2680, 2690, 3279, 4577, 4672, 306275, 306276, 310514, 3732444, 3832442, 3911000, 3911001, 3911011, 391101A, 3912335, 3914681, 3914682, 3930809, 3932444, 3941172, 3941174, 3941184, 4568749							
Connecting Rod Connecting Rod Main Bearing	35 Lbs.Ft. (11/32" Bolts) 45 Lbs.Ft. (3/8" Bolts) 75 Lbs.Ft.							
10	351 CID (5.8L) 235,240,250,5.8 Litre Ford Windsor V8 Cyl				4.000in./101.6mm x 3.500in./88.9mm			10
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	TM-77	MS-981P MB-2557P MB-2558P(F)	STD,1,10,20,30,40	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: Thru 1976, Full Grooved Main Bearings								
Main Bearing Set 1-2-4-5 3	AL-5	MS-1432A-10 MB-2754A MB-2558A(F)	20,30	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Main Bearing Set 1-2-4-5 3	TM-77	MS-1432P MB-2754P MB2558P(F)	STD,1,10,20,30,40	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Cam Bearing Set 1 2 3 4 5	B-1	SH-510S SH-510 SH-511 SH-512 SH-513 SH-514	STD,10	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
Rod Forging C/S Forging	C90E, D60E 3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.							
11	454 CID (7.4L) 454 Magnum,MCM330 Chevrolet V8 Cyl				4.250in./108mm x 4.000in./101.6mm			11
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4 5	AL-5	MS-829A-10 MB-2403A MB-2404A(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-829P MB-2403P MB-2404P(F)	STD,1,10,20,30,40	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-1745P-10 MB-2403P MB-3120P(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								

OUTBOARD MARINE CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
11 (Cont.)	454 CID (7.4L) 454 Magnum, MCM330 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm				11 (Cont.)
Main Bearing Set 1-2-3-4 5	TM-77	MS-1748P-10 MB-3123P MB-2404P(F)	20	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.1087 0.0937	2.9570/2.9580 2.9370/2.9380	1.0440 1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings, Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set 1 2-5 3-4	B-1	SH-616S SH-615 SH-616 SH-617	STD	1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205	0.8700 0.9900 0.9900
Rod Forging C/S Forging	3856239, 3856240, 3933174 3521, 7416, 353039, 359730, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							

PALMER MARINE

ENGINE DATA													
Engine			Bore & Stroke			Block	Engine			Bore & Stroke			Block
4 CYL							8 CYL (Cont.)						
4-196 International 196 CID (3.2L)			4.125in./104.8mmX3.656in./92.9mm			2	225 Ford 302 CID (5.0L)			4.000in./101.6mmX3.000in./76.2mm			8
C60 International 60 CID (1.0L)			2.625in./66.7mmX2.750in./69.9mm			1	351 Ford Windsor 351 CID (5.8L)			4.000in./101.6mmX3.500in./88.9mm			10
							Aluminum Block & Heads Buick 215 CID (3.5L)			3.500in./88.9mmX2.800in./71.1mm			7
6 CYL													
BD240 International 240 CID (3.9L)			3.563in./90.5mmX4.016in./102mm			4	MV404 International 404 CID (6.6L)			4.125in./104.8mmX3.750in./95.3mm			12
BD264 International 264 CID (4.3L)			3.688in./93.7mmX4.125in./104.8mm			4	V304 International 304 CID (5.0L)			3.875in./98.4mmX3.219in./81.8mm			9
BD308 International 308 CID (5.0L)			3.813in./96.9mmX4.500in./114.3mm			5	V345 International 345 CID (5.6L)			3.875in./98.4mmX3.656in./92.9mm			9
GO339 Hercules 339 CID (5.6L)			4.000in./101.6mmX4.500in./114.3mm			6	V392 International 392 CID (6.4L)			4.125in./104.8mmX3.656in./92.9mm			9
QXD Hercules 230 CID (3.8L)			3.438in./87.33mmX4.125in./104.8mm			3	V401 International 401 CID (6.6L)			4.125in./104.8mmX3.750in./95.3mm			11
SD240 International 240 CID (3.9L)			3.563in./90.5mmX4.016in./102mm			4	V461 International 461 CID (7.6L)			4.125in./104.8mmX4.313in./109.6mm			11
							V549 International 549 CID (9.0L)			4.500in./114.3mmX4.313in./109.6mm			11
8 CYL							VS401 International 401 CID (6.6L)			4.125in./104.8mmX3.750in./95.3mm			11
215 Ford 302 CID (5.0L)			4.000in./101.6mmX3.000in./76.2mm			8							
CONNECTING ROD FORGING NUMBERS													
Forging No.			Stroke			Block	Forging No.			Stroke			Block
21A-6200			3.000in./76.2mm			8	70009R2			4.125in./104.8mm			4
91A-6200			3.000in./76.2mm			8	116390H			4.500in./114.3mm			5
205			2.800in./71.1mm			7	133512R3			4.313in./109.6mm			11
62930R1			4.500in./114.3mm			5	133512R3			3.750in./95.3mm			11
62930R4			4.500in./114.3mm			5	133521R3			4.313in./109.6mm			11
62930R5			4.500in./114.3mm			5	133521R3			3.750in./95.3mm			11
70009R1			4.016in./102mm			4	133524R3			4.313in./109.6mm			11
70009R1			4.125in./104.8mm			4	133524R3			3.750in./95.3mm			11
70009R2			4.016in./102mm			4	215264R1			2.750in./69.9mm			1
216114R1			3.656in./92.9mm			9	251246R1			2.750in./69.9mm			1
C3AE-D			3.000in./76.2mm			8	251246R3			2.750in./69.9mm			1
C3AE-J			3.000in./76.2mm			8	309253C1			3.656in./92.9mm			9
C8DE			3.000in./76.2mm			8	527457R11			2.750in./69.9mm			1
C8OE-A			3.000in./76.2mm			8	1193339			2.800in./71.1mm			7
C30E-A			3.000in./76.2mm			8	B7B			2.800in./71.1mm			7
C90E			3.500in./88.9mm			10	C2OE			3.000in./76.2mm			8
D60E			3.500in./88.9mm			10	C3AE-A			3.000in./76.2mm			8
CRANKSHAFT FORGING NUMBERS													
Forging No.			Stroke			Block	Forging No.			Stroke			Block
1J			3.000in./76.2mm			8	7M			3.500in./88.9mm			10
1M			3.000in./76.2mm			8	7MA			3.500in./88.9mm			10
1MA			3.000in./76.2mm			8	41026			4.125in./104.8mm			3
2M			3.000in./76.2mm			8	41026B			4.125in./104.8mm			3
2MA			3.000in./76.2mm			8	46827E			4.125in./104.8mm			3
2MAB			3.000in./76.2mm			8	46828B			4.125in./104.8mm			3
2MAC			3.000in./76.2mm			8	46828E			4.125in./104.8mm			3
2MAD			3.000in./76.2mm			8	46829B			4.125in./104.8mm			3
2MAE			3.000in./76.2mm			8	46829E			4.125in./104.8mm			3
3C			3.500in./88.9mm			10	46831E			4.125in./104.8mm			3
3M			3.500in./88.9mm			10	47830D			4.125in./104.8mm			3
3MA			3.500in./88.9mm			10	70118R1			4.016in./102mm			4
5X-403			4.500in./114.3mm			6	82856			4.313in./109.6mm			11
116447H			4.500in./114.3mm			5	118530H			3.750in./95.3mm			11
118530R1			4.313in./109.6mm			11	123441R3			4.313in./109.6mm			11
125932R1			4.500in./114.3mm			5	129532R1			4.500in./114.3mm			5
131440R3			3.750in./95.3mm			11	133440R3			3.750in./95.3mm			11
133440R1			3.750in./95.3mm			11	133440R3			3.750in./95.3mm			11
133441R1			4.313in./109.6mm			11	133441R3			4.313in./109.6mm			11
133894R1			4.313in./109.6mm			11	133894R1			4.313in./109.6mm			11
133894R3			4.313in./109.6mm			11	133894R3			4.313in./109.6mm			11
133894R4			4.313in./109.6mm			11	141779R1			4.125in./104.8mm			4
141780R1			4.125in./104.8mm			4	151045R1			3.219in./81.8mm			9
151046R1			3.219in./81.8mm			9	151046R2			3.219in./81.8mm			9
151046R2			3.219in./81.8mm			9	151327R1			3.656in./92.9mm			9
151327R2			3.656in./92.9mm			9	151327R2			3.656in./92.9mm			9
151328R2			3.656in./92.9mm			9	166088R1			4.125in./104.8mm			4
242880R91			3.750in./95.3mm			11	242880R91			3.750in./95.3mm			11
242881R91			3.750in./95.3mm			11	242881R91			3.750in./95.3mm			11
242882R91			4.313in./109.6mm			11	242882R91			4.313in./109.6mm			11

PALMER MARINE (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
250026F	4.500in./114.3mm	6	296733C91	4.313in./109.6mm	11	1193645	2.800in./71.1mm	7	C3OZ	3.000in./76.2mm	8
251264R1	2.750in./69.9mm	1	317268G1	3.656in./92.9mm	2	4505959	4.500in./114.3mm	6	C9ZE-A	3.000in./76.2mm	8
256025E	4.500in./114.3mm	6	351264R1	2.750in./69.9mm	1	C0E-A	3.000in./76.2mm	8	C20Z-A	3.000in./76.2mm	8
261025E	4.500in./114.3mm	6	357247R1	2.750in./69.9mm	1	C2OE-A	3.000in./76.2mm	8	C8OE-B	3.000in./76.2mm	8
285026E	4.500in./114.3mm	6	391930	3.219in./81.8mm	9	C2OZ	3.000in./76.2mm	8	C9OE-A	3.500in./88.9mm	10
285360E	4.500in./114.3mm	6	817268R1	3.656in./92.9mm	2	C3AE-F	3.000in./76.2mm	8	CF446-766C-1	3.750in./95.3mm	12
289878C91	3.750in./95.3mm	11	852856	4.313in./109.6mm	11	C3OE-B	3.000in./76.2mm	8	GS-M	3.000in./76.2mm	8

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	60 CID (1.0L) C60 International 4 Cyl				2.625in./66.7mm x 2.750in./69.9mm				1
Rod Bearing(4)	TM-77	CB-310P	STD,2,10,20,30	1.4980/1.4990	0.0014/0.0035	0.0623	1.6245/1.6250	0.7610	
NOTE: Connecting Rod Forging Number 251246R3									
Rod Bearing(4)	TM-112	CB-998P	STD,10,20,30	1.4980/1.4990	0.0014/0.0039	0.0623	1.6245/1.6250	0.6610	
NOTE: Connecting Rod Forging Number 527457R11									
Main Bearing Set	TM-77	MS-306P	STD,10						
1-3		MB-1211P		1.6230/1.6240	0.0007/0.0033	0.0758	1.7760/1.7770	1.0620	
2		MB-1212P(F)		1.6230/1.6240	0.0007/0.0033	0.0758	1.7760/1.7770	1.1825	
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing									
Piston Pin Bushing(4)	C-1	223-3466	STD			0.0410	0.7550/0.7580	0.8850	
NOTE: Requires Boring									
Rod Forging	215264R1, 251246R1, 251246R3, 527457R11								
C/S Forging	251264R1, 351264R1, 357247R1								
Connecting Rod	16 To 20 Lbs.Ft.								
Main Bearing	55 To 60 Lbs.Ft.								

2 196 CID (3.2L) 4-196 International 4 Cyl (1966-1980)

4.125in./104.8mm x 3.656in./92.9mm

2

Rod Bearing(4)	TM-112	CB-633P	STD,10,20	2.3730/2.3740	0.0016/0.0041	0.0622	2.4995/2.5000	0.9080
Main Bearing Set 1-2-4-5	TM-112	MS-516P	STD,10,20,30,40	2.7484/2.7494	0.0009/0.0039	0.0955	2.9410/2.9420	0.7260
3		MB-1997P		2.7484/2.7494	0.0013/0.0043	0.0953	2.9410/2.9420	1.0550
		MB-1998P(F)						
Cam Bearing Set 1	B-1	SH-426S	STD	2.0990/2.1000	0.0010/0.0050	0.0648	2.2305/2.2320	0.7200
2		SH-426		2.0890/2.0900	0.0010/0.0050	0.0648	2.2205/2.2220	0.6550
3		SH-427		2.0790/2.0800	0.0010/0.0050	0.0648	2.2105/2.2120	0.6550
4		SH-428		2.0690/2.0700	0.0010/0.0050	0.0648	2.2005/2.2020	0.6550
5		SH-429		2.0590/2.0600	0.0010/0.0050	0.0648	2.1905/2.1920	0.7600
		SH-430						
C/S Forging	317268G1, 817268R1							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							

6 CYL

3	230 CID (3.8L) QXD Hercules 6 Cyl				3.438in./87.33mm x 4.125in./104.8mm				3
Rod Bearing(6)	TM-112	CB-341P	STD,10,20	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.0280	
Cam Bearing Set	B-1	SH-322S	STD						
1-4		SH-322		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	1.0340	
2-3		SH-323		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	0.5650	
C/S Forging 41026, 41026B, 46827E, 46828B, 46828E, 46829B, 46829E, 46831E, 47830D									
Connecting Rod	53 To 56 Lbs.Ft.								
Main Bearing	60 To 70 Lbs.Ft.								
4	240 CID (3.9L) BD240 International 6 Cyl (1962)				3.563in./90.5mm x 4.016in./102mm				4
	240 CID (3.9L) SD240 International 6 Cyl (1950-1969)				3.563in./90.5mm x 4.016in./102mm				
	264 CID (4.3L) BD264 International 6 Cyl (1955-1969)				3.688in./93.7mm x 4.125in./104.8mm				
Rod Bearing(6)	TM-112	CB-475P	STD,10,20,30,40	2.3730/2.3740	0.0014/0.0039	0.0623	2.4995/2.5000	1.1000	
Cam Bearing Set	B-1	SH-220S	STD						
1		SH-493		2.1090/2.1100	0.0005/0.0050	0.0648	2.2400/2.2415	1.1350	
2		SH-220		2.0890/2.0900	0.0005/0.0050	0.0648	2.2200/2.2215	1.0720	
3		SH-455		2.0690/2.0700	0.0005/0.0050	0.0648	2.2000/2.2015	1.0720	
4		SH-224		1.4995/1.5005	0.0005/0.0050	0.0648	1.6305/1.6320	1.3220	

PALMER MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
4 (Cont.)	240 CID (3.9L) BD240 International 6 Cyl (1962)				3.563in./90.5mm x 4.016in./102mm			4 (Cont.)
	240 CID (3.9L) SD240 International 6 Cyl (1950-1969)				3.563in./90.5mm x 4.016in./102mm			
	264 CID (4.3L) BD264 International 6 Cyl (1955-1969)				3.688in./93.7mm x 4.125in./104.8mm			
Piston Pin Bushing(6)		B	223-3469	STD		0.0330	0.9305/0.9315	1.2650
NOTE: Thru 1963, Requires Light Reaming								
Rod Forging		70009R1, 70009R2						
C/S Forging		70118R1, 141779R1, 141780R1, 166088R1						
Connecting Rod		45 To 55 Lbs.Ft.						
Main Bearing		75 To 85 Lbs.Ft.						
5	308 CID (5.0L) BD308 International 6 Cyl (1955-1969)				3.813in./96.9mm x 4.500in./114.3mm			5
Rod Bearing(6)	TM-112	CB-452P	STD,10,20	2.1220/2.1230	0.0012/0.0037	0.0564	2.2365/2.2370	1.1980
Rod Forging		116390H, 62930R1, 62930R4, 62930R5						
C/S Forging		116447H, 125932R1, 129532R1						
Connecting Rod		75 To 85 Lbs.Ft.						
6	339 CID (5.6L) GO339 Hercules 6 Cyl				4.000in./101.6mm x 4.500in./114.3mm			6
Rod Bearing(6)	TM-112	CB-340P	STD,10,20,30,40	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640
NOTE: Engines with 2.00" Crankpins and 2.500" Main Journals, Contains 2 Shims								
Rod Bearing(6)	TM-112	CB-704P	STD,10,20,30	2.3730/2.3740	0.0013/0.0043	0.0756	2.5260/2.5270	1.1640
NOTE: Engines with 2.375" Crankpins and 2.875" Main Journals								
Main Bearing Set	TM-112	MS-650P	STD,10					
1-2-3-5-6-7		MB-2185P		2.8734/2.8744	0.0012/0.0037	0.0956	3.0665/3.0670	1.0360
4		MB-2092P(F)		2.8734/2.8744	0.0018/0.0043	0.0953	3.0665/3.0670	2.1190
NOTE: Engines with 2.875" Main Journals, Upper And Lower Bearing Halves Have Locating Lug In The Same Position								
Cam Bearing Set	B-1	SH-562S	STD					
1-4		SH-561		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	1.0720
2-3		SH-198		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230
C/S Forging		5X-403, 250026F, 256025E, 261025E, 285026E, 285360E, 4505959						
Connecting Rod		56 Lbs.Ft.						
Main Bearing		70 To 80 Lbs.Ft.						
8 CYL								
7	215 CID (3.5L) Aluminum Block & Heads Buick V8 Cyl (1961-1963)				3.500in./88.9mm x 2.800in./71.1mm			7
Rod Bearing(8)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set	TM-77	MS-558P	STD,10					
1-2-4-5		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
3		MB-2075P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0580
Rod Forging		205, B7B, 1193339						
C/S Forging		1193645						
Connecting Rod		30 To 45 Lbs.Ft.						
Main Bearing		50 To 55 Lbs.Ft. (Except Rear Bearing Cap)						
Main Bearing		65 To 70 Lbs.Ft. (Rear Bearing Cap)						
8	302 CID (5.0L) 215,225 Ford V8 Cyl				4.000in./101.6mm x 3.000in./76.2mm			8
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-590A-10	20,30					
1-2-4-5		MB-2121A		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122A(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-590P	STD,1,10,20,30,40					
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-1746P-10	20,30					
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-3124P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing								

PALMER MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
8 (Cont.)	302 CID (5.0L) 215,225 Ford V8 Cyl			4.000in./101.6mm x 3.000in./76.2mm				8 (Cont.)
Cam Bearing Set	B-1	SH-510S	STD,10					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	C20E, C8DE, C30E-A, C3AE-A, C3AE-D, C3AE-J, C80E-A, 21A-6200, 91A-6200							
C/S Forging	1J, 1M, 2M, 1MA, 2MA, 2MAC, 2MAD, 2MAE, C20Z, C30Z, GS-M, C0E-A, C20Z-A, C20E-A, C3AE-F, C30E-B, C80E-B, C9ZE-A							
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
9	304 CID (5.0L) V304 International V8 Cyl (1959-1980)			3.875in./98.4mm x 3.219in./81.8mm				9
	345 CID (5.6L) V345 International V8 Cyl (1959-1982)			3.875in./98.4mm x 3.656in./92.9mm				
	392 CID (6.4L) V392 International V8 Cyl (1968-1982)			4.125in./104.8mm x 3.656in./92.9mm				
Rod Bearing(8)	TM-112	CB-581P	STD,1,2,10,20,30,40,C60	2.3730/2.3740	0.0016/0.0041	0.0622	2.4995/2.5000	0.9780
Main Bearing Set	TM-112	MS-516P	STD,10,20,30,40					
1-2-4-5		MB-1997P		2.7484/2.7494	0.0009/0.0039	0.0955	2.9410/2.9420	0.7260
3		MB-1998P(F)		2.7484/2.7494	0.0013/0.0043	0.0953	2.9410/2.9420	1.0550
Cam Bearing Set	B-1	SH-426S	STD					
1		SH-426		2.0990/2.1000	0.0010/0.0050	0.0648	2.2305/2.2320	0.7200
2		SH-427		2.0890/2.0900	0.0010/0.0050	0.0648	2.2205/2.2220	0.6550
3		SH-428		2.0790/2.0800	0.0010/0.0050	0.0648	2.2105/2.2120	0.6550
4		SH-429		2.0690/2.0700	0.0010/0.0050	0.0648	2.2005/2.2020	0.6550
5		SH-430		2.0590/2.0600	0.0010/0.0050	0.0648	2.1905/2.1920	0.7600
Rod Forging	216114R1, 309253C1							
C/S Forging	391930, 151045R1, 151046R1, 151046R2, 151327R1, 151327R2, 151328R2							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
10	351 CID (5.8L) 351 Ford Windsor V8 Cyl			4.000in./101.6mm x 3.500in./88.9mm				10
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-981P	STD,1,10,20,30,40					
1-2-4-5		MB-2557P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Thru 1976, Full Grooved Main Bearings								
Main Bearing Set	AL-5	MS-1432A-10	20,30					
1-2-4-5		MB-2754A		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558A(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-1432P	STD,1,10,20,30,40					
1-2-4-5		MB-2754P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Cam Bearing Set	B-1	SH-510S	STD,10					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	C90E, D60E							
C/S Forging	3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							

PALMER MARINE (Cont.)

PALMER MARINE (Cont.)											
COUNTER DATA				SHOP DATA							
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length			
8 CYL (Cont.)											
11	401 CID (6.6L) V401 International V8 Cyl (1956-1975)				4.125in./104.8mm x 3.750in./95.3mm				11		
	401 CID (6.6L) VS401 International V8 Cyl (1965-1975)				4.125in./104.8mm x 3.750in./95.3mm						
	461 CID (7.6L) V461 International V8 Cyl (1956-1964)				4.125in./104.8mm x 4.313in./109.6mm						
	549 CID (9.0L) V549 International V8 Cyl (1956-1972)				4.500in./114.3mm x 4.313in./109.6mm						
Rod Bearing(8)	TM-112	CB-473P	STD,10,20,30	2.6230/2.6240	0.0016/0.0041	0.0752	2.7755/2.7760	1.1650			
Main Bearing Set 1-2-4-5	TM-112	MS-828P	STD	3.1240/3.1250	0.0011/0.0041	0.0951	3.3160/3.3170	0.8500			
3		MB-2401P		3.1240/3.1250	0.0011/0.0041	0.0951	3.3160/3.3170	1.1940			
NOTE: From Engine Serial Number 64556											
Cam Bearing Set 1	B-1	SH-681S	STD	2.3460/2.3470	0.0020/0.0065	0.0625	2.4740/2.4755	1.1970			
2		SH-351		2.3160/2.3170	0.0005/0.0050	0.0628	2.4430/2.4445	1.0100			
3		SH-352		2.2900/2.2910	0.0005/0.0050	0.0615	2.4145/2.4160	1.0100			
4		SH-682		2.2460/2.2470	0.0020/0.0065	0.0625	2.3740/2.3755	1.0100			
Piston Pin Bushing(8)	B	223-3502	STD			0.0610	1.4060/1.4075	1.3960			
NOTE: Requires Boring											
Rod Forging	133512R3, 133521R3, 133524R3										
C/S Forging	82856, 852856, 118530H, 118530R1, 123441R3, 131440R3, 133440R1, 133440R3, 133441R1, 133441R3, 133894R1, 133894R3, 133894R4, 242880R91, 242881R91, 242882R91, 289878C91, 296733C91										
Connecting Rod	60 To 70 Lbs.Ft.										
Main Bearing	100 To 110 Lbs.Ft.										
12	404 CID (6.6L) MV404 International V8 Cyl (1975-1982)				4.125in./104.8mm x 3.750in./95.3mm				12		
	Rod Bearing(8)	TM-112	CB-1230P	STD,10,20,30,40	2.4980/2.4990	0.0016/0.0041	0.0622	2.6245/2.6250		0.9780	
	Main Bearing Set 1-2-4-5	TM-112	MS-1460P	STD,10,20,30	3.1228/3.1236	0.0031/0.0047	0.0953	3.3152/3.3160		0.8050	
	3		MB-2763P		3.1228/3.1236	0.0031/0.0047	0.0953	3.3152/3.3160		1.1300	
Cam Bearing Set 1	B-1	SH-1092S	STD	2.0990/2.1000	0.0009/0.0054	0.0638	2.2305/2.2320	0.7900			
2-3-4-5		SH-1093		2.0990/2.1000	0.0009/0.0054	0.0638	2.2305/2.2320	0.6550			
Piston Pin Bushing(8)	C-1	223-3584	STD			0.1244	1.1450/1.1460	0.9950			
NOTE: Replaces Original Equipment Number 4467474C1 and 446474C1, Requires Boring											
C/S Forging	CF446-766C-1										
Connecting Rod	38 To 44 Lbs.Ft.										
Main Bearing	90 To 100 Lbs.Ft.										
PANTHER JET MARINE											
ENGINE DATA											
Engine	Bore & Stroke			Block	Engine	Bore & Stroke			Block		
350 Oldsmobile 350 CID (5.7L)	4.057in./103mmX3.385in./86mm			1	460 Ford 460 CID (7.5L)	4.360in./110.7mmX3.850in./97.8mm			4		
400 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm			3	500 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm			3		
405 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm			3	L80 Oldsmobile 403 CID (6.6L)	4.351in./110.5mmX3.385in./86mm			2		
454 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm			3							
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block			
0997	3.385in./86mm	2	380383	3.385in./86mm	2	3856239	4.000in./101.6mm	3			
380282	3.385in./86mm	2	398410	3.385in./86mm	2	3856240	4.000in./101.6mm	3			
380283	3.385in./86mm	2	410997	3.385in./86mm	2	3933174	4.000in./101.6mm	3			
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3521	4.000in./101.6mm	3	381269	3.385in./86mm	2	398621	3.385in./86mm	2	3963523	4.000in./101.6mm	3
7416	4.000in./101.6mm	3	381919	3.385in./86mm	2	418882	3.385in./86mm	2	3963524	4.000in./101.6mm	3
230276	3.385in./86mm	2	388766	3.385in./86mm	2	556607	3.385in./86mm	2	3967463	4.000in./101.6mm	3
230376	3.385in./86mm	2	390275	3.385in./86mm	2	1235419	3.385in./86mm	2	3975945	4.000in./101.6mm	3
230905	3.385in./86mm	2	393654	3.385in./86mm	2	1375802	3.385in./86mm	2	N353039	4.000in./101.6mm	3
353039	4.000in./101.6mm	3	395654	3.385in./86mm	2	1398346	3.385in./86mm	2	N853039	4.000in./101.6mm	3
359730	4.000in./101.6mm	3	398261	3.385in./86mm	2	3962523	4.000in./101.6mm	3	N853638	4.000in./101.6mm	3

PANTHER JET MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL								
1	350 CID (5.7L) 350 Oldsmobile V8 Cyl (1968-1980)			4.057in./103mm x 3.385in./86mm				1
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40	2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310
Main Bearing Set	TM-77	MS-805P	STD,1,10,20,30					
1		MB-2365P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
2-4		MB-2251P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
3		MB-2252P(F)		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950
5		MB-2253P		2.4985/2.4995	0.0014/0.0044	0.0932	2.6870/2.6880	1.6290
Cam Bearing Set	AL-3	SH-1354S	STD					
1		SH-1354		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
NOTE: 1968-1976								
Cam Bearing Set	AL-3	SH-1355S	STD					
1		SH-1359		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
NOTE: 1977-1980								
Connecting Rod	42 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)							
2	403 CID (6.6L) L80 Oldsmobile V8 Cyl			4.351in./110.5mm x 3.385in./86mm				2
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40	2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310
Main Bearing Set	TM-77	MS-805P	STD,1,10,20,30					
1		MB-2365P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
2-4		MB-2251P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
3		MB-2252P(F)		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950
5		MB-2253P		2.4985/2.4995	0.0014/0.0044	0.0932	2.6870/2.6880	1.6290
Cam Bearing Set	AL-3	SH-1355S	STD					
1		SH-1359		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
Rod Forging	0997, 380282, 380283, 380383, 398410, 410997							
C/S Forging	230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 556607, 1235419, 1375802, 1398346							
Connecting Rod	42 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)							
3	454 CID (7.4L) 400,405,454,500 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm				3
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set	AL-5	MS-829A-10	20,30					
1-2-3-4		MB-2403A		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404A(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set	TM-77	MS-829P	STD,1,10,20,30,40					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set	TM-77	MS-1745P-10	20,30					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-3120P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1748P-10	20					
1-2-3-4		MB-3123P		2.7482/2.7492	0.0007/0.0032	0.1087	2.9570/2.9580	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings, Flange Bearing Is Not Oversize On The Outside Diameter								

PANTHER JET MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
3 (Cont.)	454 CID (7.4L) 400,405,454,500 Chevrolet V8 Cyl				4.250in./108mm x 4.000in./101.6mm			3 (Cont.)
Cam Bearing Set	B-1	SH-616S	STD					
1		SH-615		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	3521, 7416, 353039, 359730, 3962523, 3963524, 3967463, 3975945, N353039, N853039, N853638							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							
4	460 CID (7.5L) 460 Ford V8 Cyl				4.360in./110.7mm x 3.850in./97.8mm			4
Rod Bearing(8)	TM-77	CB-818P	STD,1,10,20,30,40	2.4992/2.5000	0.0005/0.0031	0.0761	2.6522/2.6530	0.8660
Rod Bearing(8)	TM-77	CB-1802P-10	20,30	2.4992/2.5000	0.0005/0.0031	0.0771	2.6542/2.6550	0.8660
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-1039P	STD,1,10,20,30,40					
1-2-4-5		MB-2564P		2.9994/3.0002	0.0007/0.0033	0.0958	3.1922/3.1930	0.9500
3		MB-2565P(F)		2.9994/3.0002	0.0007/0.0033	0.0958	3.1922/3.1930	1.1200
Cam Bearing Set	AL-3	SH-1111S	STD,10					
1-2-3-4-5		SH-1111		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.6000
Cam Bearing Set	AL-3	SH-1766S	STD					
1-2-3-4-5		SH-1766		2.1238/2.1248	0.0011/0.0050	0.0694	2.2645/2.2655	0.6300
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.2645"/2.2655"								
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							

PLEASURE CRAFT

ENGINE DATA														
Engine			Bore & Stroke			Block	Engine			Bore & Stroke			Block	
200 Ford 302 CID (5.0L)			4.000in./101.6mmX3.000in./76.2mm			1	302/2 Ford 302 CID (5.0L)			4.000in./101.6mmX3.000in./76.2mm			1	
220 Ford 302 CID (5.0L)			4.000in./101.6mmX3.000in./76.2mm			1	302/2A Ford 302 CID (5.0L)			4.000in./101.6mmX3.000in./76.2mm			1	
230 Chevrolet 305 CID (5.0L)			3.736in./95mmX3.484in./88.5mm			2	302/2B Ford 302 CID (5.0L)			4.000in./101.6mmX3.000in./76.2mm			1	
240 Ford Windsor 351 CID (5.8L)			4.000in./101.6mmX3.500in./88.9mm			3	302/4 Ford 302 CID (5.0L)			4.000in./101.6mmX3.000in./76.2mm			1	
250 Ford Windsor 351 CID (5.8L)			4.000in./101.6mmX3.500in./88.9mm			3	330 Chevrolet 454 CID (7.4L)			4.250in./108mmX4.000in./101.6mm			4	
255 Ford Windsor 351 CID (5.8L)			4.000in./101.6mmX3.500in./88.9mm			3	350 Chevrolet 454 CID (7.4L)			4.250in./108mmX4.000in./101.6mm			4	
270 Chevrolet 350 CID (5.7L)			4.000in./101.6mmX3.484in./88.5mm			2	351/4 Ford Windsor 351 CID (5.8L)			4.000in./101.6mmX3.500in./88.9mm			3	
280 Chevrolet 350 CID (5.7L)			4.000in./101.6mmX3.484in./88.5mm			2	8200 Ford 302 CID (5.0L)			4.000in./101.6mmX3.000in./76.2mm			1	
300 Chevrolet 350 CID (5.7L)			4.000in./101.6mmX3.484in./88.5mm			2	8240 Ford Windsor 351 CID (5.8L)			4.000in./101.6mmX3.500in./88.9mm			3	
302 Ford 302 CID (5.0L)			4.000in./101.6mmX3.000in./76.2mm			1								
CONNECTING ROD FORGING NUMBERS														
Forging No.			Stroke	Block	Forging No.			Stroke	Block	Forging No.			Stroke	Block
21A-6200			3.000in./76.2mm	1	3916396			3.484in./88.5mm	2	C3AE-A			3.000in./76.2mm	1
91A-6200			3.000in./76.2mm	1	3923282			3.484in./88.5mm	2	C3AE-D			3.000in./76.2mm	1
3856239			4.000in./101.6mm	4	3933174			4.000in./101.6mm	4	C3AE-J			3.000in./76.2mm	1
3856240			4.000in./101.6mm	4	3946841			3.484in./88.5mm	2	C8DE			3.000in./76.2mm	1
3892671			3.484in./88.5mm	2	C2OE			3.000in./76.2mm	1	C8OE-A			3.000in./76.2mm	1
CRANKSHAFT FORGING NUMBERS														
Forging No.			Stroke	Block	Forging No.			Stroke	Block	Forging No.			Stroke	Block
1J			3.000in./76.2mm	1	7M			3.500in./88.9mm	3	3832442			3.484in./88.5mm	2
1M			3.000in./76.2mm	1	7MA			3.500in./88.9mm	3	3912335			3.484in./88.5mm	2
1MA			3.000in./76.2mm	1	1182			3.484in./88.5mm	2	3932444			3.484in./88.5mm	2
2M			3.000in./76.2mm	1	2690			3.484in./88.5mm	2	3941184			3.484in./88.5mm	2
2MA			3.000in./76.2mm	1	3521			4.000in./101.6mm	4	3962523			4.000in./101.6mm	4
2MAB			3.000in./76.2mm	1	7416			4.000in./101.6mm	4	3963523			4.000in./101.6mm	4
2MAC			3.000in./76.2mm	1	306275			3.484in./88.5mm	2	3963524			4.000in./101.6mm	4
2MAD			3.000in./76.2mm	1	306276			3.484in./88.5mm	2	3967463			4.000in./101.6mm	4
2MAE			3.000in./76.2mm	1	310514			3.484in./88.5mm	2	3975945			4.000in./101.6mm	4
3C			3.500in./88.9mm	3	353039			4.000in./101.6mm	4	4568749			3.484in./88.5mm	2
3M			3.500in./88.9mm	3	359730			4.000in./101.6mm	4	C0E-A			3.000in./76.2mm	1
3MA			3.500in./88.9mm	3	3732444			3.484in./88.5mm	2	C2OE-A			3.000in./76.2mm	1
										C2OZ			3.000in./76.2mm	1
										C3AE-F			3.000in./76.2mm	1
										C30E-B			3.000in./76.2mm	1
										C3OZ			3.000in./76.2mm	1
										C9ZE-A			3.000in./76.2mm	1
										C20Z-A			3.000in./76.2mm	1
										C80E-B			3.000in./76.2mm	1
										C90E-A			3.500in./88.9mm	3
										GS-M			3.000in./76.2mm	1
										N353039			4.000in./101.6mm	4
										N853039			4.000in./101.6mm	4
										N853638			4.000in./101.6mm	4

PLEASURE CRAFT (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL								
1	302 CID (5.0L) 200,220,302,302/2,302/2A,302/2B,302/4,8200 Ford V8 Cyl				4.000in./101.6mm x 3.000in./76.2mm			1
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	AL-5	MS-590A-10 MB-2121A MB-2122A(F)	20,30	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
Main Bearing Set 1-2-4-5 3	TM-77	MS-590P MB-2121P MB-2122P(F)	STD,1,10,20,30,40	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
Main Bearing Set 1-2-4-5 3	TM-77	MS-1746P-10 MB-2121P MB-3124P(F)	20,30	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3 4 5	B-1	SH-510S SH-510 SH-511 SH-512 SH-513 SH-514	STD,10	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
Connecting Rod Main Bearing	19 To 24 Lbs.Ft. 60 To 70 Lbs.Ft.							
2	305 CID (5.0L) 230 Chevrolet V8 Cyl				3.736in./95mm x 3.484in./88.5mm			2
	350 CID (5.7L) 270,280,300 Chevrolet V8 Cyl				4.000in./101.6mm x 3.484in./88.5mm			
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4 5	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
Cam Bearing Set 1 2-5 3-4	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: Heavy Duty Engine								

PLEASURE CRAFT (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
2 (Cont.)	305 CID (5.0L) 230 Chevrolet V8 Cyl			3.736in./95mm x 3.484in./88.5mm				2 (Cont.)
	350 CID (5.7L) 270,280,300 Chevrolet V8 Cyl			4.000in./101.6mm x 3.484in./88.5mm				
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3892671, 3916396, 3923282, 3946841 1182, 2690, 306275, 306276, 310514, 3732444, 3832442, 3912335, 3932444, 3941184, 4568749							
Connecting Rod Connecting Rod Main Bearing	35 Lbs.Ft. (11/32" Bolts) 45 Lbs.Ft. (3/8" Bolts) 75 Lbs.Ft.							
3	351 CID (5.8L) 240,250,255,351/4,8240 Ford Windsor V8 Cyl			4.000in./101.6mm x 3.500in./88.9mm				3
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	TM-77	MS-981P MB-2557P MB-2558P(F)	STD,1,10,20,30,40	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: Thru 1976, Full Grooved Main Bearings								
Main Bearing Set 1-2-4-5 3	AL-5	MS-1432A-10 MB-2754A MB-2558A(F)	20,30	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Main Bearing Set 1-2-4-5 3	TM-77	MS-1432P MB-2754P MB2558P(F)	STD,1,10,20,30,40	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Cam Bearing Set 1 2 3 4 5	B-1	SH-510S SH-510 SH-511 SH-512 SH-513 SH-514	STD,10	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
Rod Forging C/S Forging	C90E, D60E 3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.							
4	454 CID (7.4L) 330,350 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm				4
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4 5	AL-5	MS-829A-10 MB-2403A MB-2404A(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-829P MB-2403P MB-2404P(F)	STD,1,10,20,30,40	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-1745P-10 MB-2403P MB-3120P(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1748P-10 MB-3123P MB-2404P(F)	20	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.1087 0.0937	2.9570/2.9580 2.9370/2.9380	1.0440 1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings, Flange Bearing Is Not Oversize On The Outside Diameter								

PLEASURE CRAFT (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
4 (Cont.)	454 CID (7.4L) 330,350 Chevrolet V8 Cyl				4.250in./108mm x 4.000in./101.6mm			4 (Cont.)
Cam Bearing Set	B-1	SH-616S	STD					
1		SH-615		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	3521, 7416, 353039, 359730, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							

SEAMASTER

ENGINE DATA											
Engine		Bore & Stroke			Block						
Ford 534 CID (8.8L)		4.500in./114.3mmX4.200in./106.7mm			1						
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block						
B9TE	4.200in./106.7mm	1	EDL	4.200in./106.7mm	1						
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
C1TE-6303-C	4.200in./106.7mm	1	C1TE-C	4.200in./106.7mm	1	C2TE-B	4.200in./106.7mm	1	EDN-6303-A	4.200in./106.7mm	1
C1TE-6303C	4.200in./106.7mm	1	C2TE-A	4.200in./106.7mm	1	EDN	4.200in./106.7mm	1	EDN-6303A	4.200in./106.7mm	1
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL											
1	534 CID (8.8L) Ford V8 Cyl					4.500in./114.3mm x 4.200in./106.7mm					1
Rod Bearing(8)	TM-77	CB-615P	STD,10,20,30,C40,C60			2.7092/2.7100	0.0013/0.0039	0.0962	2.9032/2.9040	0.8920	
NOTE: From 1960, 2.710" Diameter Connecting Rod Journal											
Main Bearing Set	TM-77	MS-443P	STD,10,20,30								
1-2-4-5		MB-1820P				3.1246/3.1254	0.0013/0.0039	0.0956	3.3176/3.3184	1.1050	
3		MB-1821P(F)				3.1246/3.1254	0.0009/0.0035	0.0958	3.3176/3.3184	1.2730	
Cam Bearing Set	B-1	SH-369S	STD								
1		SH-369				2.4740/2.4750	0.0010/0.0050	0.0630	2.6020/2.6030	0.6800	
2-3-4-5		SH-370				2.3700/2.3710	0.0010/0.0050	0.0630	2.4980/2.4990	0.6800	
Piston Pin Bushing(8)	C-1	223-3504	STD					0.0480	1.3040/1.3060	1.5400	
NOTE: Requires Light Reaming											
Rod Forging	EDL, B9TE										
C/S Forging	EDN, C1TE-C, C2TE-A, C2TE-B, EDN-6303A, C1TE-6303C, EDN-6303-A, C1TE-6303-C										
Connecting Rod	60 To 65 Lbs.Ft.										
Main Bearing	150 Lbs.Ft.										

STOKES MARINE

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL			8 CYL		
225 Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	1	318 Chrysler 318 CID (5.2L)	3.910in./99.3mmX3.313in./84.2mm	4
250 Chevrolet 250 CID (4.1L)	3.875in./98.4mmX3.531in./89.7mm	2	455 Oldsmobile 455 CID (7.5L)	4.125in./104.8mmX4.250in./108mm	5
T6-354.3 Perkins 354 CID (5.8L) Diesel Turbocharged	3.877in./98.5mmX5.000in./127mm	3			

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
201	3.400in./86.4mm	1	8436	3.531in./89.7mm	2	410997	3.531in./89.7mm	2	3837419	3.531in./89.7mm	2
220	3.400in./86.4mm	1	380282	3.531in./89.7mm	2	1357201	3.400in./86.4mm	1	3977110	3.531in./89.7mm	2
673	3.400in./86.4mm	1	380283	3.531in./89.7mm	2	1357333	3.400in./86.4mm	1	25509405	3.400in./86.4mm	1
763	3.400in./86.4mm	1	380383	3.531in./89.7mm	2	1377248	3.400in./86.4mm	1			
779	3.400in./86.4mm	1	384759	4.250in./108mm	5	3788435	3.531in./89.7mm	2			
0997	3.531in./89.7mm	2	398410	3.531in./89.7mm	2	3788437	3.531in./89.7mm	2			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
230276	3.531in./89.7mm	2	388766	3.531in./89.7mm	2	556607	3.531in./89.7mm	2	1378351	3.400in./86.4mm	1
230277	3.400in./86.4mm	1	390275	3.531in./89.7mm	2	1235419	3.531in./89.7mm	2	1378354	3.400in./86.4mm	1
230278	3.400in./86.4mm	1	393654	3.531in./89.7mm	2	1254083	3.400in./86.4mm	1	1398346	3.531in./89.7mm	2
230331	4.250in./108mm	5	395654	3.531in./89.7mm	2	1255645	3.400in./86.4mm	1	3855914	3.531in./89.7mm	2
230376	3.531in./89.7mm	2	397303	4.250in./108mm	5	1255646	3.400in./86.4mm	1	3876802	3.531in./89.7mm	2
230377	4.250in./108mm	5	397363	4.250in./108mm	5	1255674	3.400in./86.4mm	1	3876804	3.531in./89.7mm	2
230378	3.400in./86.4mm	1	398261	3.531in./89.7mm	2	1255846	3.400in./86.4mm	1	3876840	3.531in./89.7mm	2
230378	4.250in./108mm	5	398621	3.531in./89.7mm	2	1255862	3.400in./86.4mm	1	9790154	3.531in./89.7mm	2
230905	3.531in./89.7mm	2	400934	4.250in./108mm	5	1257125	3.400in./86.4mm	1	25505554	3.400in./86.4mm	1
230907	4.250in./108mm	5	403707	4.250in./108mm	5	1260877	3.400in./86.4mm	1	25506397	3.400in./86.4mm	1
230908	4.250in./108mm	5	405954	4.250in./108mm	5	1261438	3.400in./86.4mm	1	25506818	3.400in./86.4mm	1
378354	3.400in./86.4mm	1	418882	3.531in./89.7mm	2	1261787	3.400in./86.4mm	1	25509404	3.400in./86.4mm	1
381269	3.531in./89.7mm	2	460407	3.531in./89.7mm	2	1357898	3.400in./86.4mm	1	25514290	3.400in./86.4mm	1
381919	3.531in./89.7mm	2	480407	3.531in./89.7mm	2	1375802	3.531in./89.7mm	2	25520329	3.400in./86.4mm	1

COUNTER DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

6 CYL

1	225 CID (3.7L) 225 Buick V6 Cyl			3.750in./95.3mm x 3.400in./86.4mm					1
Rod Bearing(6)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420	
Main Bearing Set	TM-77	MS-960P	STD,1,10,20,30						
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
2		MB-2434P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580	
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
Main Bearing Set	TM-77	MS-1688P-10	20,30						
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
2		MB-3063P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780	
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
NOTE: Contains .020" Oversize Length Flanged Bearing									
Main Bearing Set	TM-77	MS-1690P-20	30						
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
2		MB-3064P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0980	
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
NOTE: Contains .040" Oversize Length Flanged Bearing									
Main Bearing Set	TM-77	MS-1747P-10	20,30						
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
2		MB-3125P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0680	
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
NOTE: Contains .010" Oversize Length Flanged Bearing									
Cam Bearing Set	B-1	SH-506S	STD						
1		SH-506		1.7550/1.7560	0.0010/0.0060	0.0643	1.8855/1.8875	0.7600	
2		SH-363		1.7250/1.7260	0.0010/0.0060	0.0643	1.8555/1.8575	0.7600	
3		SH-364		1.6950/1.6960	0.0010/0.0060	0.0643	1.8255/1.8275	0.7600	
4		SH-365		1.6650/1.6660	0.0010/0.0060	0.0643	1.7955/1.7975	0.7600	

STOKES MARINE (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
1 (Cont.)	225 CID (3.7L) 225 Buick V6 Cyl			3.750in./95.3mm x 3.400in./86.4mm				1 (Cont.)
Rod Forging	201, 220, 673, 763, 779, 1357201, 1357333, 1377248, 25509405							
C/S Forging	230277, 230278, 230378, 378354, 1254083, 1255645, 1255646, 1255674, 1255846, 1255862, 1257125, 1260877, 1261438, 1261787, 1357898, 1378351, 1378354, 25505554, 25506397, 25506818, 25509404, 25514290, 25520329							
Connecting Rod	30 To 40 Lbs.Ft.							
Main Bearing	65 To 70 Lbs.Ft. (Thru 1964)							
Main Bearing	95 To 120 Lbs.Ft. (From 1965)							
2	250 CID (4.1L) 250 Chevrolet 6 Cyl			3.875in./98.4mm x 3.531in./89.7mm				2
Rod Bearing(6)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-617P	STD,1,10,20,30,40	2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
1-2-3-4-5-6		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
7		MB-2588P(F)						
Cam Bearing Set	AL-3	SH-399S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
1-4		SH-399		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
2-3		SH-400						
NOTE: Thru 1970								
Cam Bearing Set	AL-3	SH-718S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
1-2-3-4		SH-400						
NOTE: From 1971								
Rod Forging	0997, 8436, 380282, 380283, 380383, 398410, 410997, 3788435, 3788437, 3837419, 3977110							
C/S Forging	230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 460407, 480407, 556607, 1235419, 1375802, 1398346, 3855914, 3876802, 3876804, 3876840, 9790154							
Connecting Rod	35 To 45 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
3	354 CID (5.8L) T6-354.3 Perkins Turbocharged Diesel 6 Cyl			3.877in./98.5mm x 5.000in./127mm				3
Rod Bearing(6)	AL-3	CB-1209AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set	AL-3	MS-1548AL	STD,10	2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2400
1-2-3-5-6-7		MB-2789AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4400
4		MB-2790AL						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-316S								
Thrust Washer Set		TW-316S	STD	3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(L)		3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(U)						
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4								
Piston Pin	C-1	223-3641	STD			0.0830	1.6562/1.6568	1.3360
Bushing(6)								
NOTE: Requires Light Reaming								
8 CYL								
4	318 CID (5.2L) 318 Chrysler V8 Cyl			3.910in./99.3mm x 3.313in./84.2mm				4
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0002/0.0027	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-540P	STD,10,20,30,40	2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
1-2-4		MB-2035P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.1520
3		MB-2036P(F)		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
5		MB-2559P						
NOTE: Thru 1973								
Main Bearing Set	TM-77	MS-1344P	STD,10,20,30	2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
1-2-4		MB-2283P		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.1520
3		MB-2620P(F)		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
5		MB-2559P						
NOTE: From 1974								
Cam Bearing Set	B-1	SH-875S	STD	1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
1		SH-875		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
2		SH-326		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
3		SH-327		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
4		SH-328		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
5		SH-329						
NOTE: Thru 1978								

STOKES MARINE (Cont.)

STOKES MARINE (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
4 (Cont.)	318 CID (5.2L) 318 Chrysler V8 Cyl			3.910in./99.3mm x 3.313in./84.2mm					4 (Cont.)
Cam Bearing Set	B-1	SH-1112S	STD						
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000	
2		SH-1112		1.9820/1.9830	0.0015/0.0055	0.0645	2.1135/2.1145	0.6300	
3		SH-1113		1.9670/1.9680	0.0015/0.0055	0.0645	2.0985/2.0995	0.6300	
4		SH-1114		1.9510/1.9520	0.0015/0.0055	0.0645	2.0825/2.0835	0.6300	
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500	
NOTE: From 1979									
Piston Pin Bushing(8)	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400	
NOTE: Early, Requires Light Reaming									
Piston Pin Bushing(8)	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400	
NOTE: Requires Boring									
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 85 Lbs.Ft.								
5	455 CID (7.5L) 455 Oldsmobile V8 Cyl			4.125in./104.8mm x 4.250in./108mm					5
Rod Bearing(8)	TM-77	CB-542P	STD,1,10,20,30,40	2.4988/2.4998	0.0007/0.0032	0.0620	2.6245/2.6250	0.8310	
Main Bearing Set	TM-77	MS-804P	STD,10,20,30						
1		MB-2362P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9800	
2-4		MB-2163P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9790	
3		MB-2363P(F)		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	1.1950	
5		MB-2364P		2.9993/3.0003	0.0016/0.0049	0.0932	3.1880/3.1890	1.6290	
Cam Bearing Set	AL-3	SH-1354S	STD						
1		SH-1354		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980	
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980	
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980	
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980	
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980	
Rod Forging	384759								
C/S Forging	230331, 230377, 230378, 230907, 230908, 397303, 397363, 400934, 403707, 405954								
Connecting Rod Main Bearing	32 To 42 Lbs.Ft. 90 To 120 Lbs.Ft.								

THERMO ELECTRON					
ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL			8 CYL (Cont.)		
110 Chevrolet 153 CID (2.5L)	3.875in./98.4mmX3.250in./82.6mm	1	188 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	8
120 Chevrolet 153 CID (2.5L)	3.875in./98.4mmX3.250in./82.6mm	1	190 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	9
6 CYL			200 Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	9
150 Chevrolet 230 CID (3.8L)	3.875in./98.4mmX3.250in./82.6mm	4	210 Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	9
262 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	5	215 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	8
292 Chevrolet 292 CID (4.8L)	3.875in./98.4mmX4.125in./104.8mm	6	220 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	9
Ford 144 CID (2.4L)	3.500in./88.9mmX2.500in./63.5mm	2	225 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	8
Ford 170 CID (2.8L)	3.500in./88.9mmX2.938in./74.6mm	2	230 Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	9
HU14D Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	3	233 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	11
HU15S Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	3	250 Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	9
HU16 Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	3	255 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	11
HUE14D Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	3	270 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	9
HUE15S Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	3	320 Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	9
HUE16C Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	3	350 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	14
8 CYL			Chevrolet 348 CID (5.7L)	4.125in./104.8mmX3.250in./82.6mm	10
185 Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	7	Chevrolet 409 CID (6.7L)	4.313in./109.6mmX3.500in./88.9mm	10
			Ford 390 CID (6.4L)	4.050in./102.9mmX3.781in./96mm	12
			CH320 Chevrolet 427 CID (7.0L)	4.250in./108mmX3.766in./95.7mm	13

THERMO ELECTRON (Cont.)**CONNECTING ROD FORGING NUMBERS**

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
21A-6200	3.000in./76.2mm	8	3732717	3.500in./88.9mm	10	3892671	3.484in./88.5mm	9	C3AE-A	3.000in./76.2mm	8
91A-6200	3.000in./76.2mm	8	3784000	3.000in./76.2mm	7	3916396	3.484in./88.5mm	9	C3AE-D	3.000in./76.2mm	8
201	3.400in./86.4mm	3	3784000	3.250in./82.6mm	9	3923282	3.484in./88.5mm	9	C3AE-J	3.000in./76.2mm	8
220	3.400in./86.4mm	3	3788435	3.250in./82.6mm	4	3933174	4.000in./101.6mm	14	C8DE	3.000in./76.2mm	8
673	3.400in./86.4mm	3	3788437	3.250in./82.6mm	4	3933174	3.766in./95.7mm	13	C8OE-A	3.000in./76.2mm	8
763	3.400in./86.4mm	3	3795624	3.250in./82.6mm	10	3946841	3.484in./88.5mm	9	C30E	2.500in./63.5mm	2
779	3.400in./86.4mm	3	3795624	3.500in./88.9mm	10	3977110	3.250in./82.6mm	4	C30E	2.938in./74.6mm	2
1357201	3.400in./86.4mm	3	3815281	3.000in./76.2mm	7	9793328	3.250in./82.6mm	4	C30E-A	3.000in./76.2mm	8
1357333	3.400in./86.4mm	3	3815281	3.250in./82.6mm	9	25509405	3.400in./86.4mm	3	C90E	3.500in./88.9mm	11
1377248	3.400in./86.4mm	3	3837419	3.250in./82.6mm	4	B10	2.500in./63.5mm	2	CODE	2.500in./63.5mm	2
3185281	3.250in./82.6mm	9	3837686	3.250in./82.6mm	10	B10	2.938in./74.6mm	2	CODE	2.938in./74.6mm	2
3703526	3.000in./76.2mm	7	3837686	3.500in./88.9mm	10	C1AE-B	3.781in./96mm	12	D8BE	2.938in./74.6mm	2
3703526	3.250in./82.6mm	9	3856239	4.000in./101.6mm	14	C1DE	2.500in./63.5mm	2	D8BE-6205	2.500in./63.5mm	2
3703527	3.000in./76.2mm	7	3856239	3.766in./95.7mm	13	C1DE	2.938in./74.6mm	2	D8BE-6205	2.938in./74.6mm	2
3703527	3.250in./82.6mm	9	3856240	4.000in./101.6mm	14	C2AE-B	3.781in./96mm	12	D60E	3.500in./88.9mm	11
3732717	3.250in./82.6mm	10	3856240	3.766in./95.7mm	13	C2OE	3.000in./76.2mm	8			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
0-191561	3.500in./88.9mm	10	230378	3.400in./86.4mm	3	3824554	3.500in./88.9mm	10	5743013	3.250in./82.6mm	4
1F	2.500in./63.5mm	2	306275	3.484in./88.5mm	9	3829027	3.500in./88.9mm	10	5782680	3.250in./82.6mm	9
1F	2.938in./74.6mm	2	306276	3.484in./88.5mm	9	3832442	3.484in./88.5mm	9	9782279	3.250in./82.6mm	4
1G	2.500in./63.5mm	2	310514	3.484in./88.5mm	9	3835236TG	3.000in./76.2mm	7	25505554	3.400in./86.4mm	3
1G	2.938in./74.6mm	2	353039	4.000in./101.6mm	14	3836144	3.766in./95.7mm	13	25506397	3.400in./86.4mm	3
1H	2.500in./63.5mm	2	359730	4.000in./101.6mm	14	3836236	3.000in./76.2mm	7	25506818	3.400in./86.4mm	3
1H	2.938in./74.6mm	2	378354	3.400in./86.4mm	3	3836266	3.000in./76.2mm	7	25509404	3.400in./86.4mm	3
1HA	2.500in./63.5mm	2	391101A	3.250in./82.6mm	9	3837266	3.000in./76.2mm	7	25514290	3.400in./86.4mm	3
1HA	2.938in./74.6mm	2	1254083	3.400in./86.4mm	3	3837466	3.500in./88.9mm	10	25520329	3.400in./86.4mm	3
1J	3.000in./76.2mm	8	1255645	3.400in./86.4mm	3	3838266	3.000in./76.2mm	7	C0E-A	3.000in./76.2mm	8
1M	3.000in./76.2mm	8	1255646	3.400in./86.4mm	3	3838396	3.500in./88.9mm	10	C1AE-A	3.781in./96mm	12
1MA	3.000in./76.2mm	8	1255674	3.400in./86.4mm	3	3849847	3.000in./76.2mm	7	C2AE-2	3.781in./96mm	12
2M	3.000in./76.2mm	8	1255846	3.400in./86.4mm	3	3863144	3.766in./95.7mm	13	C2AE-B	3.781in./96mm	12
2MA	3.000in./76.2mm	8	1255862	3.400in./86.4mm	3	3864465	3.250in./82.6mm	4	C2AE-D	3.781in./96mm	12
2MAB	3.000in./76.2mm	8	1257125	3.400in./86.4mm	3	3874874	3.766in./95.7mm	13	C2DE-A	2.500in./63.5mm	2
2MAC	3.000in./76.2mm	8	1260877	3.400in./86.4mm	3	3876764	3.000in./76.2mm	7	C2DE-A	2.938in./74.6mm	2
2MAD	3.000in./76.2mm	8	1261438	3.400in./86.4mm	3	3876768	3.000in./76.2mm	7	C2OE-A	3.000in./76.2mm	8
2MAE	3.000in./76.2mm	8	1261787	3.400in./86.4mm	3	3882842	3.766in./95.7mm	13	C2OZ	3.000in./76.2mm	8
3C	3.500in./88.9mm	11	1357898	3.400in./86.4mm	3	3882847	3.766in./95.7mm	13	C3AE-B	3.781in./96mm	12
3M	3.500in./88.9mm	11	1378351	3.400in./86.4mm	3	3882848	3.766in./95.7mm	13	C3AE-C	3.781in./96mm	12
3MA	3.500in./88.9mm	11	1378354	3.400in./86.4mm	3	3882849	3.766in./95.7mm	13	C3AE-E	3.781in./96mm	12
7M	3.500in./88.9mm	11	3727449	3.000in./76.2mm	7	3887114	3.766in./95.7mm	13	C3AE-F	3.000in./76.2mm	8
7MA	3.500in./88.9mm	11	3727499	3.000in./76.2mm	7	3899424	3.250in./82.6mm	4	C30E-B	3.000in./76.2mm	8
0819	3.500in./88.9mm	10	3729449	3.000in./76.2mm	7	3904815	3.766in./95.7mm	13	C3OZ	3.000in./76.2mm	8
1130	3.250in./82.6mm	9	3732444	3.484in./88.5mm	9	3904816	3.766in./95.7mm	13	C5DE-A	2.500in./63.5mm	2
1178	3.000in./76.2mm	7	3732692	3.250in./82.6mm	10	3911000	3.250in./82.6mm	9	C5DE-A	2.938in./74.6mm	2
1178	3.250in./82.6mm	9	3733223	3.250in./82.6mm	10	3911001	3.250in./82.6mm	9	C9ZE-A	3.000in./76.2mm	8
1182	3.484in./88.5mm	9	3733226	3.250in./82.6mm	10	3911011	3.250in./82.6mm	9	C20Z-A	3.000in./76.2mm	8
1182	3.250in./82.6mm	9	3734627	3.000in./76.2mm	7	3912335	3.484in./88.5mm	9	C30E-A	2.500in./63.5mm	2
2680	3.250in./82.6mm	9	3735236	3.000in./76.2mm	7	3914681	3.250in./82.6mm	9	C30E-A	2.938in./74.6mm	2
2690	3.484in./88.5mm	9	3741640	3.250in./82.6mm	10	3914682	3.250in./82.6mm	9	C30Z-A	2.500in./63.5mm	2
3279	3.000in./76.2mm	7	3741642	3.250in./82.6mm	10	3930809	3.250in./82.6mm	9	C30Z-A	2.938in./74.6mm	2
3279	3.250in./82.6mm	9	3782680	3.250in./82.6mm	9	3932444	3.484in./88.5mm	9	C30Z-E	2.500in./63.5mm	2
3521	4.000in./101.6mm	14	3782690	3.250in./82.6mm	9	3941172	3.250in./82.6mm	9	C30Z-E	2.938in./74.6mm	2
4577	3.250in./82.6mm	9	3788072	3.500in./88.9mm	10	3941174	3.250in./82.6mm	9	C80E-B	3.000in./76.2mm	8
4672	3.250in./82.6mm	9	3788423	3.250in./82.6mm	4	3941180	3.766in./95.7mm	13	C90E-A	3.500in./88.9mm	11
6223	3.766in./95.7mm	13	3788424	3.250in./82.6mm	4	3941184	3.484in./88.5mm	9	CTR-CB	2.500in./63.5mm	2
6764	3.000in./76.2mm	7	3788428	3.250in./82.6mm	4	3942411	3.766in./95.7mm	13	CTR-CB	2.938in./74.6mm	2
7115	3.766in./95.7mm	13	3795589	3.500in./88.9mm	10	3962523	4.000in./101.6mm	14	GS-M	3.000in./76.2mm	8
7416	4.000in./101.6mm	14	3804816	3.766in./95.7mm	13	3963523	4.000in./101.6mm	14	N353039	4.000in./101.6mm	14
8424	3.250in./82.6mm	4	3815822	3.250in./82.6mm	9	3963524	4.000in./101.6mm	14	N853039	4.000in./101.6mm	14
9115	3.766in./95.7mm	13	3820618	3.250in./82.6mm	4	3967463	4.000in./101.6mm	14	N853638	4.000in./101.6mm	14
230277	3.400in./86.4mm	3	3824544	3.250in./82.6mm	10	3975945	4.000in./101.6mm	14	O-191561	3.500in./88.9mm	10
230278	3.400in./86.4mm	3	3824553	3.250in./82.6mm	10	4568749	3.484in./88.5mm	9			

THERMO ELECTRON (Cont.)

THERMO ELECTRON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
				4 CYL				
1	153 CID (2.5L) 110,120 Chevrolet 4 Cyl			3.875in./98.4mm x 3.250in./82.6mm				1
Rod Bearing(4)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set 1-2-3-4	TM-77	MS-1733P	STD,1,10,20,30,40	2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
5		MB-3135P MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set 1-2	AL-3	SH-400S	STD	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
3		SH-400 SH-399		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
Connecting Rod	30 To 35 Lbs.Ft.							
Main Bearing	45 To 55 Lbs.Ft.							
				6 CYL				
2	144 CID (2.4L) Ford 6 Cyl (1960-1964) 170 CID (2.8L) Ford 6 Cyl (1961-1973)			3.500in./88.9mm x 2.500in./63.5mm 3.500in./88.9mm x 2.938in./74.6mm				2
Rod Bearing(6)	TM-77	CB-583P	STD,1,10,20,30,40,G60	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set 1-2-4	TM-77	MS-518G	STD,10,20,30,40	2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200
3		MB-2002G MB-2003G(F)		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710
Cam Bearing Set 1	B-1	SH-703S	STD	1.8095/1.8105	0.0010/0.0050	0.0833	1.9780/1.9790	0.7300
2		SH-703		1.8095/1.8105	0.0010/0.0050	0.0758	1.9630/1.9640	0.7300
3		SH-412		1.8095/1.8105	0.0010/0.0050	0.0683	1.9480/1.9490	0.7300
4		SH-413 SH-414		1.8095/1.8105	0.0010/0.0050	0.0608	1.9330/1.9340	0.7300
Rod Forging	B10, C1DE, C30E, CODE, D8BE, D8BE-6205							
C/S Forging	1F, 1G, 1H, 1HA, C2DE-A, C30E-A, C30Z-A, C30Z-E, C5DE-A, CTR-CB							
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
3	225 CID (3.7L) HU14D,HU15S,HU16,HUE14D,HUE15S,HUE16C Buick V6 Cyl			3.750in./95.3mm x 3.400in./86.4mm				3
Rod Bearing(6)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set 1-3	TM-77	MS-960P	STD,1,10,20,30	2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580
4		MB-2434P(F) MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
Main Bearing Set 1-3	TM-77	MS-1688P-10	20,30	2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780
4		MB-3063P(F) MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-3	TM-77	MS-1690P-20	30	2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0980
4		MB-3064P(F) MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-3	TM-77	MS-1747P-10	20,30	2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0680
4		MB-3125P(F) MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-506S	STD	1.7550/1.7560	0.0010/0.0060	0.0643	1.8855/1.8875	0.7600
2		SH-506		1.7250/1.7260	0.0010/0.0060	0.0643	1.8555/1.8575	0.7600
3		SH-363		1.6950/1.6960	0.0010/0.0060	0.0643	1.8255/1.8275	0.7600
4		SH-364 SH-365		1.6650/1.6660	0.0010/0.0060	0.0643	1.7955/1.7975	0.7600
Rod Forging	201, 220, 673, 763, 779, 1357201, 1357333, 1377248, 25509405							
C/S Forging	230277, 230278, 230378, 378354, 1254083, 1255645, 1255646, 1255674, 1255846, 1255862, 1257125, 1260877, 1261438, 1261787, 1357898, 1378351, 1378354, 25505554, 25506397, 25506818, 25509404, 25514290, 25520329							
Connecting Rod	30 To 40 Lbs.Ft.							
Main Bearing	65 To 70 Lbs.Ft. (Thru 1964)							
Main Bearing	95 To 120 Lbs.Ft. (From 1965)							
4	230 CID (3.8L) 150 Chevrolet 6 Cyl			3.875in./98.4mm x 3.250in./82.6mm				4
Rod Bearing(6)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420

THERMO ELECTRON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
4 (Cont.)	230 CID (3.8L) 150 Chevrolet 6 Cyl				3.875in./98.4mm x 3.250in./82.6mm			4 (Cont.)
Main Bearing Set 1-2-3-4-5-6 7	TM-77	MS-617P MB-3135P MB-2588P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2983/2.2993	0.0006/0.0036 0.0006/0.0036	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.0090
Cam Bearing Set 1-4 2-3	AL-3	SH-399S SH-399 SH-400	STD,10	1.8682/1.8692 1.8682/1.8692	0.0005/0.0050 0.0005/0.0050	0.0697 0.0647	2.0090/2.0110 1.9990/2.0010	0.8700 0.8700
Rod Forging C/S Forging	3788435, 3788437, 3837419, 3977110, 9793328 8424, 3788423, 3788424, 3788428, 3820618, 3864465, 3899424, 5743013, 9782279							
Connecting Rod Main Bearing	35 To 45 Lbs.Ft. 60 To 70 Lbs.Ft.							
5	262 CID (4.3L) 262 Chevrolet V6 Cyl				4.000in./101.6mm x 3.484in./88.5mm			5
Rod Bearing(6)	AL-5	CB-1358A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	TM-77	CB-1358P	STD,1,10,20,30,40	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	AL-5	CB-1794A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1794P-10	20,30,40	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3 4	AL-5	MS-1454A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3 4	TM-77	MS-1454P MB-2508P MB-2509P(F)	STD,1,10,20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3 4	TM-77	MS-1628P-10 MB-2508P MB-2981P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-1684P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-2215P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-4 3	AL-3	SH-1350S SH-1349 SH-1350 SH-1351	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: Except Engines Stamped With Identification Number Located On Front Of Block Starting With "T"								
Cam Bearing Set 1-4 2 3	AL-3	SH-1351S SH-1349 SH-1351 SH-1350	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0644 0.0694	2.0190/2.0210 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500
NOTE: Engines Stamped With Identification Number On Front Of Block Starting With "T"								
Connecting Rod Main Bearing	45 Lbs.Ft. 70 Lbs.Ft.							
6	292 CID (4.8L) 292 Chevrolet 6 Cyl				3.875in./98.4mm x 4.125in./104.8mm			6
Rod Bearing(6)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(6)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(6)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4-5-6 7	TM-77	MS-617P MB-3135P MB-2588P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2983/2.2993	0.0006/0.0036 0.0006/0.0036	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.0090

THERMO ELECTRON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
6 (Cont.)	292 CID (4.8L) 292 Chevrolet 6 Cyl			3.875in./98.4mm x 4.125in./104.8mm				6 (Cont.)
Cam Bearing Set 1-4	AL-3	SH-399S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
2-3		SH-399		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
NOTE: Thru 1970								
Cam Bearing Set 1-2-3-4	AL-3	SH-718S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
NOTE: From 1971								
Connecting Rod	30 To 35 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
8 CYL								
7	283 CID (4.6L) 185 Chevrolet V8 Cyl			3.875in./98.4mm x 3.000in./76.2mm				7
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set 1-2-3-4	TM-77	MS-429P	STD,1,10,20,30,40	2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
5		MB-3135P		2.2978/2.2988	0.0011/0.0041	0.0955	2.4906/2.4916	1.7180
		MB-1769P(F)						
Cam Bearing Set 1	B-1	SH-287S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-288		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
5		SH-287		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
NOTE: Thru 1963								
Cam Bearing Set 1	B-1	SH-290S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-288		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: From 1964								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3703526, 3703527, 3784000, 3815281							
C/S Forging	1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft.							
8	302 CID (5.0L) 188,215,225 Ford V8 Cyl			4.000in./101.6mm x 3.000in./76.2mm				8
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	AL-5	MS-590A-10	20,30	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2121A		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
		MB-2122A(F)						
Main Bearing Set 1-2-4-5	TM-77	MS-590P	STD,1,10,20,30,40	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2121P		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
		MB-2122P(F)						
Main Bearing Set 1-2-4-5	TM-77	MS-1746P-10	20,30	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2121P		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430
		MB-3124P(F)						
NOTE: Contains .010" Oversize Length Flanged Bearing								

THERMO ELECTRON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
8 (Cont.)	302 CID (5.0L) 188,215,225 Ford V8 Cyl				4.000in./101.6mm x 3.000in./76.2mm			8 (Cont.)
Cam Bearing Set	B-1	SH-510S	STD,10					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
9	305 CID (5.0L) 190,220 Chevrolet V8 Cyl				3.736in./95mm x 3.484in./88.5mm			9
	307 CID (5.0L) 200 Chevrolet V8 Cyl				3.875in./98.4mm x 3.250in./82.6mm			
	327 CID (5.4L) 210,230,250,320 Chevrolet V8 Cyl				4.000in./101.6mm x 3.250in./82.6mm			
	350 CID (5.7L) 270 Chevrolet V8 Cyl				4.000in./101.6mm x 3.484in./88.5mm			
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-909A-10	20,30					
1-2-3-4		MB-2508A		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: 2.448" Diameter Main Bearing Journals								
Main Bearing Set	TM-77	MS-909P	STD,1,2,10,20,30,40,C60					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: 2.448" Diameter Main Bearing Journals, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1626P-10	20,30,40					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: 2.448" Diameter Main Bearing Journals, Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1683P-20						
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-3060P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: 2.448" Diameter Main Bearing Journals, Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1744P-10	20,30					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-3119P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: 2.448" Diameter Main Bearing Journals, Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-290S	STD,10					
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: From 1964								
Cam Bearing Set	AL-3	SH-1349S	STD					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: From 1964,Heavy Duty Engine								
Cam Bearing Set	AL-3	SH-1352S	STD					
1-2-3-4-5		SH-1352		1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: From 1964,Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								

THERMO ELECTRON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
9 (Cont.)	305 CID (5.0L) 190,220 Chevrolet V8 Cyl			3.736in./95mm x 3.484in./88.5mm				9 (Cont.)
	307 CID (5.0L) 200 Chevrolet V8 Cyl			3.875in./98.4mm x 3.250in./82.6mm				
	327 CID (5.4L) 210,230,250,320 Chevrolet V8 Cyl			4.000in./101.6mm x 3.250in./82.6mm				
	350 CID (5.7L) 270 Chevrolet V8 Cyl			4.000in./101.6mm x 3.484in./88.5mm				
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: From 1964,Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3185281, 3703526, 3703527, 3784000, 3815281, 3892671, 3916396, 3923282, 3946841 1130, 1178, 1182, 2680, 2690, 3279, 4577, 4672, 306275, 306276, 310514, 3732444, 3782680, 3782690, 3815822, 3832442, 3911000, 3911001, 3911011, 391101A, 3912335, 3914681, 3914682, 3930809, 3932444, 3941172, 3941174, 3941184, 4568749, 5782680							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
10	348 CID (5.7L) Chevrolet V8 Cyl			4.125in./104.8mm x 3.250in./82.6mm				10
	409 CID (6.7L) Chevrolet V8 Cyl			4.313in./109.6mm x 3.500in./88.9mm				
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4	TM-77	MS-458P-10		2.4980/2.4990	0.0007/0.0037	0.0938	2.6870/2.6880	1.0470
5		MB-1840P MB-1841P(F)		2.4980/2.4990	0.0021/0.0051	0.0931	2.6870/2.6880	1.8110
Cam Bearing Set 1	AL-3	SH-398S	STD	1.8682/1.8692	0.0005/0.0050	0.0747	2.0190/2.0210	0.8700
2		SH-398		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
3-4		SH-399		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
5		SH-400		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.9500
Rod Forging C/S Forging	3732717, 3795624, 3837686 0819, 3732692, 3733223, 3733226, 3741640, 3741642, 3788072, 3795589, 3824544, 3824553, 3824554, 3829027, 3837466, 3838396, 0-191561, 0-191561							
Connecting Rod	35 To 45 Lbs.Ft.							
Main Bearing	90 To 100 Lbs.Ft.							
11	351 CID (5.8L) 233,255 Ford Windsor V8 Cyl			4.000in./101.6mm x 3.500in./88.9mm				11
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	TM-77	MS-981P	STD,1,10,20,30,40	2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2557P MB-2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Thru 1976, Full Grooved Main Bearings								
Main Bearing Set 1-2-4-5	AL-5	MS-1432A-10	20,30	2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2754A MB-2558A(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Main Bearing Set 1-2-4-5	TM-77	MS-1432P	STD,1,10,20,30,40	2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2754P MB2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Cam Bearing Set 1	B-1	SH-510S	STD,10	2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-510		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-511		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-512		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-513		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging C/S Forging	C90E, D60E 3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							

THERMO ELECTRON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
12	390 CID (6.4L) Ford V8 Cyl (1961-1971)				4.050in./102.9mm x 3.781in./96mm			12
Rod Bearing(8) NOTE: 1961-1963	TM-77	CB-756P	STD,10,20	2.4380/2.4388	0.0024/0.0050	0.0750	2.5907/2.5915	0.7460
Rod Bearing(8) NOTE: 1964-1971	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
Rod Bearing(8) NOTE: 1964-1971, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
Main Bearing Set 1-2-4-5 3 NOTE: 1961-1963, Contains 3.614"/3.684" Flange Diameter Flanged Bearing	TM-77	MS-445P MB-2441P MB-1825P(F)	STD,10,20	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0007/0.0033	0.0961 0.0958	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
Main Bearing Set 1-2-4-5 3 NOTE: 1964-1965, .060" Undersize Set Contains .019" Oversize Length Flange Bearing,Contains 3.764"/3.824" Flange Diameter Flanged Bearing	TM-77	MS-685P MB-2441P MB-2235P(F)	STD,1,10,20,30,40,C60	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0009/0.0035	0.0961 0.0957	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
Main Bearing Set 1-2-4-5 3 NOTE: 1966-1971, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings	TM-77	MS-863P MB-2441P MB-2442P(F)	STD,1,10,20,30,40,C60	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0005/0.0032	0.0961 0.0961	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
Cam Bearing Set 1 2 3 4 5	B-1	SH-781S SH-781 SH-377 SH-378 SH-379 SH-380	STD,10	2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0919 0.0844 0.0769 0.0694 0.0619	2.3095/2.3105 2.2945/2.2955 2.2795/2.2805 2.2645/2.2655 2.2495/2.2505	0.6300 0.6300 0.6300 0.6300 0.5700
Piston Pin Bushing(8) NOTE: Requires Light Reaming	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
Rod Forging C/S Forging	C1AE-B, C2AE-B C1AE-A, C2AE-2, C2AE-B, C2AE-D, C3AE-B, C3AE-C, C3AE-E							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.							
13	427 CID (7.0L) CH320 Chevrolet V8 Cyl				4.250in./108mm x 3.766in./95.7mm			13
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4 5	AL-5	MS-829A-10 MB-2403A MB-2404A(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-829P MB-2403P MB-2404P(F)	STD,1,10,20,30,40	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5 NOTE: Contains .010" Oversize Length Flanged Bearing	TM-77	MS-1745P-10 MB-2403P MB-3120P(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8210
Main Bearing Set 1-2-3-4 5 NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter	TM-77	MS-1748P-10 MB-3123P MB-2404P(F)	20	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.1087 0.0937	2.9570/2.9580 2.9370/2.9380	1.0440 1.8110
Cam Bearing Set 1 2 3-4 5 NOTE: Thru 1966	B-1	SH-615S SH-615 SH-616 SH-617 SH-618	STD	1.9485/1.9495 1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847 0.0897	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205 2.1295/2.1305	0.8700 0.9900 0.9900 0.9900

THERMO ELECTRON (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
13 (Cont.)	427 CID (7.0L) CH320 Chevrolet V8 Cyl			4.250in./108mm x 3.766in./95.7mm				13 (Cont.)
Cam Bearing Set	B-1	SH-616S	STD					
1		SH-615		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
NOTE: From 1967								
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	6223, 7115, 9115, 3804816, 3836144, 3863144, 3874874, 3882842, 3882847, 3882848, 3882849, 3887114, 3904815, 3904816, 3941180, 3942411							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							
14	454 CID (7.4L) 350 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm				14
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set	AL-5	MS-829A-10	20,30					
1-2-3-4		MB-2403A		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404A(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set	TM-77	MS-829P	STD,1,10,20,30,40					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set	TM-77	MS-1745P-10	20,30					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-3120P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1748P-10	20					
1-2-3-4		MB-3123P		2.7482/2.7492	0.0007/0.0032	0.1087	2.9570/2.9580	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings, Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set	B-1	SH-616S	STD					
1		SH-615		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	3521, 7416, 353039, 359730, 3962523, 3963524, 3967463, 3975945, N353039, N853039, N853638							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							

VOLVO PENTA

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL			8 CYL (Cont.)		
B20B Volvo 121 CID/1990CC (2.0L)	3.500in./88.9mmX3.150in./80mm	1	250 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	5
B20E Volvo 121 CID/1990CC (2.0L)	3.500in./88.9mmX3.150in./80mm	1	260 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	5
B20F Volvo 121 CID/1990CC (2.0L)	3.500in./88.9mmX3.150in./80mm	2	270 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	5
			271 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	5
			290 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	5
200 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	5	302FLV Chevrolet 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	4
211 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	5	311 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	5
215 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	3	AQ200C Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	5
220 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	3	AQ225C Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	5
225 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	5	AQ260A Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	5
231 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	5	AQ290A Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	5
240 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	6			

VOLVO PENTA (Cont.)**CONNECTING ROD FORGING NUMBERS**

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
21A-6200	3.000in./76.2mm	3	3815281	3.000in./76.2mm	4	C2OE	3.000in./76.2mm	3	C8OE-A	3.000in./76.2mm	3
91A-6200	3.000in./76.2mm	3	3892671	3.484in./88.5mm	5	C3AE-A	3.000in./76.2mm	3	C3OE-A	3.000in./76.2mm	3
3703526	3.000in./76.2mm	4	3916396	3.484in./88.5mm	5	C3AE-D	3.000in./76.2mm	3	C9OE	3.500in./88.9mm	6
3703527	3.000in./76.2mm	4	3923282	3.484in./88.5mm	5	C3AE-J	3.000in./76.2mm	3	D6OE	3.500in./88.9mm	6
3784000	3.000in./76.2mm	4	3946841	3.484in./88.5mm	5	C8DE	3.000in./76.2mm	3			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1J	3.000in./76.2mm	3	1178	3.000in./76.2mm	4	3832442	3.484in./88.5mm	5	4568749	3.484in./88.5mm	5
1M	3.000in./76.2mm	3	1182	3.484in./88.5mm	5	3835236TG	3.000in./76.2mm	4	C0E-A	3.000in./76.2mm	3
1MA	3.000in./76.2mm	3	2690	3.484in./88.5mm	5	3836236	3.000in./76.2mm	4	C2OE-A	3.000in./76.2mm	3
2M	3.000in./76.2mm	3	3279	3.000in./76.2mm	4	3836266	3.000in./76.2mm	4	C2OZ	3.000in./76.2mm	3
2MA	3.000in./76.2mm	3	6764	3.000in./76.2mm	4	3837266	3.000in./76.2mm	4	C3AE-F	3.000in./76.2mm	3
2MAB	3.000in./76.2mm	3	306275	3.484in./88.5mm	5	3838266	3.000in./76.2mm	4	C3OE-B	3.000in./76.2mm	3
2MAC	3.000in./76.2mm	3	306276	3.484in./88.5mm	5	3849847	3.000in./76.2mm	4	C3OZ	3.000in./76.2mm	3
2MAD	3.000in./76.2mm	3	310514	3.484in./88.5mm	5	3876764	3.000in./76.2mm	4	C9ZE-A	3.000in./76.2mm	3
2MAE	3.000in./76.2mm	3	3727449	3.000in./76.2mm	4	3876768	3.000in./76.2mm	4	C2OZ-A	3.000in./76.2mm	3
3C	3.500in./88.9mm	6	3727499	3.000in./76.2mm	4	3912335	3.484in./88.5mm	5	C8OE-B	3.000in./76.2mm	3
3M	3.500in./88.9mm	6	3729449	3.000in./76.2mm	4	3923278	3.000in./76.2mm	4	C9OE-A	3.500in./88.9mm	6
3MA	3.500in./88.9mm	6	3732444	3.484in./88.5mm	5	3932444	3.484in./88.5mm	5	C	3.150in./80mm	1
7M	3.500in./88.9mm	6	3734627	3.000in./76.2mm	4	3941176	3.000in./76.2mm	4	C	3.150in./80mm	2
7MA	3.500in./88.9mm	6	3735236	3.000in./76.2mm	4	3941184	3.484in./88.5mm	5	GS-M	3.000in./76.2mm	3

COUNTER DATA**SHOP DATA**

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	121 CID/1990CC (2.0L) B20B Volvo 4 Cyl (1969-1971)					3.500in./88.9mm x 3.150in./80mm		1
	121 CID/1990CC (2.0L) B20E Volvo 4 Cyl (1971)					3.500in./88.9mm x 3.150in./80mm		

Rod Bearing(4)	TM-77	CB-734P	STD,10	2.1299/2.1303	0.0017/0.0036	0.0725	2.2765/2.2770	1.0620

Main Bearing Set	TM-77	MS-813P	STD,10,20					
1-2-3-4		MB-2373P		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.1000
5		MB-2374P(F)		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.5320

NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing,.020" Undersize Set Contains .008" Oversize Length Flanged Bearing

Main Bearing Set	TM-77	MS-2089P-10	20					
1-2-3-4		MB-2373P		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.1000
5		MB-3585P(F)		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.5320

NOTE: All Sizes Contain Standard Length Flanged Bearing

C/S Forging C

Connecting Rod	38 To 42 Lbs.Ft.
Main Bearing	87 To 94 Lbs.Ft.

2	121 CID/1990CC (2.0L) B20F Volvo 4 Cyl (1971-1975)					3.500in./88.9mm x 3.150in./80mm		2

Rod Bearing(4)	TM-77	CB-734P	STD,10	2.1299/2.1303	0.0017/0.0036	0.0725	2.2765/2.2770	1.0620

NOTE: 1971-1972

Rod Bearing(4)		CB-1137P	STD,10,20,30	2.1255/2.1260	0.0015/0.0033	0.0783	2.2835/2.2840	0.9450

NOTE: 1973-1975

Main Bearing Set	TM-77	MS-813P	STD,10,20					
1-2-3-4		MB-2373P		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.1000
5		MB-2374P(F)		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.5320

NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing,.020" Undersize Set Contains .008" Oversize Length Flanged Bearing

Main Bearing Set	TM-77	MS-2089P-10	20					
1-2-3-4		MB-2373P		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.1000
5		MB-3585P(F)		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.5320

NOTE: All Sizes Contain Standard Length Flanged Bearing

C/S Forging C

Connecting Rod	38 To 42 Lbs.Ft.
Main Bearing	87 To 94 Lbs.Ft.

8 CYL

3	302 CID (5.0L) 215,220 Ford V8 Cyl					4.000in./101.6mm x 3.000in./76.2mm		3

Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260

Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260

VOLVO PENTA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
3 (Cont.)	302 CID (5.0L) 215,220 Ford V8 Cyl			4.000in./101.6mm x 3.000in./76.2mm				3 (Cont.)
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	AL-5	MS-590A-10 MB-2121A MB-2122A(F)	20,30	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
Main Bearing Set 1-2-4-5 3	TM-77	MS-590P MB-2121P MB-2122P(F)	STD,1,10,20,30,40	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
Main Bearing Set 1-2-4-5 3	TM-77	MS-1746P-10 MB-2121P MB-3124P(F)	20,30	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3 4 5	B-1	SH-510S SH-510 SH-511 SH-512 SH-513 SH-514	STD,10	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
Rod Forging C/S Forging	C2OE, C8DE, C30E-A, C3AE-A, C3AE-D, C3AE-J, C8OE-A, 21A-6200, 91A-6200 1J, 1M, 2M, 1MA, 2MA, 2MAB, 2MAC, 2MAD, 2MAE, C2OZ, C3OZ, GS-M, C0E-A, C20Z-A, C2OE-A, C3AE-F, C3OE-B, C8OE-B, C9ZE-A							
Connecting Rod Main Bearing	19 To 24 Lbs.Ft. 60 To 70 Lbs.Ft.							
4	302 CID (5.0L) 302FLV Chevrolet V8 Cyl			4.000in./101.6mm x 3.000in./76.2mm				4
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
NOTE: 2.000" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal, Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal, Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4 5	TM-77	MS-429P MB-3135P MB-1769P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2978/2.2988	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
NOTE: 2.298" Diameter Main Bearing Journals								
Main Bearing Set 1-2-3-4 5	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: 2.448" Diameter Main Bearing Journals								
Main Bearing Set 1-2-3-4 5	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: 2.448" Diameter Main Bearing Journals, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: 2.448" Diameter Main Bearing Journals, Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: 2.448" Diameter Main Bearing Journals, Contains .040" Oversize Length Flanged Bearing								

VOLVO PENTA (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
4 (Cont.)	302 CID (5.0L) 302FLV Chevrolet V8 Cyl			4.000in./101.6mm x 3.000in./76.2mm				4 (Cont.)
Main Bearing Set 1-2-3-4 5	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: 2.448" Diameter Main Bearing Journals, Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
Cam Bearing Set 1 2-5 3-4	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3703526, 3703527, 3784000, 3815281 1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3923278, 3941176, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft. (2.448" Diameter Main Bearing Journals)							
Main Bearing	80 Lbs.Ft. (2.298" Diameter Main Bearing Journals)							
5	305 CID (5.0L) 200,211,225,231,AQ200C,AQ225C Chevrolet V8 Cyl 350 CID (5.7L) 250,260,270,271,290,311,AQ260A,AQ290A Chevrolet V8 Cyl			3.736in./95mm x 3.484in./88.5mm 4.000in./101.6mm x 3.484in./88.5mm				5
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4 5	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500

VOLVO PENTA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
5 (Cont.)	305 CID (5.0L) 200,211,225,231,AQ200C,AQ225C Chevrolet V8 Cyl				3.736in./95mm x 3.484in./88.5mm			5 (Cont.)
	350 CID (5.7L) 250,260,270,271,290,311,AQ260A,AQ290A Chevrolet V8 Cyl				4.000in./101.6mm x 3.484in./88.5mm			
Cam Bearing Set	AL-3	SH-1349S	STD					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set	AL-3	SH-1352S	STD					
1-2-3-4-5		SH-1352		1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set	AL-3	SH-1401S	STD					
1-2-3-4-5		SH-1401		1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3892671, 3916396, 3923282, 3946841							
C/S Forging	1182, 2690, 306275, 306276, 310514, 3732444, 3832442, 3912335, 3932444, 3941184, 4568749							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
6	351 CID (5.8L) 240 Ford Windsor V8 Cyl				4.000in./101.6mm x 3.500in./88.9mm			6
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-981P	STD,1,10,20,30,40					
1-2-4-5		MB-2557P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Thru 1976, Full Grooved Main Bearings								
Main Bearing Set	AL-5	MS-1432A-10	20,30					
1-2-4-5		MB-2754A		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558A(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-1432P	STD,1,10,20,30,40					
1-2-4-5		MB-2754P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Cam Bearing Set	B-1	SH-510S	STD,10					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	C90E, D60E							
C/S Forging	3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							

YAMAHA

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL			8 CYL		
3.0 Litre Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	1	5.0 Litre Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	3
6 CYL			5.7 Litre Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	3
4.3 Litre Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	2			

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3892671	3.484in./88.5mm	3	3916396	3.484in./88.5mm	3	3923282	3.484in./88.5mm	3	3946841	3.484in./88.5mm	3

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1182	3.484in./88.5mm	3	310514	3.484in./88.5mm	3	3932444	3.484in./88.5mm	3	N3941352	3.600in./91.4mm	1
2690	3.484in./88.5mm	3	3732444	3.484in./88.5mm	3	3941184	3.484in./88.5mm	3			
306275	3.484in./88.5mm	3	3832442	3.484in./88.5mm	3	4568749	3.484in./88.5mm	3			
306276	3.484in./88.5mm	3	3912335	3.484in./88.5mm	3	N140966	3.600in./91.4mm	1			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	181 CID (3.0L) 3.0 Litre Chevrolet 4 Cyl				4.000in./101.6mm x 3.600in./91.4mm				1
Rod Bearing(4)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420	
Rod Bearing(4)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420	
Rod Bearing(4)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Rod Bearing(4)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	TM-77	MS-1733P	STD,1,10,20,30,40	2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070	
1-2-3-4		MB-3135P							
5		MB-2588P(F)							
Cam Bearing Set	AL-3	SH-1030S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700	
1-2-3		SH-400							
C/S Forging N140966, N3941352									

6 CYL

2	262 CID (4.3L) 4.3 Litre Chevrolet V6 Cyl			4.000in./101.6mm x 3.484in./88.5mm					2
Rod Bearing(6)	AL-5	CB-1358A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530	
Rod Bearing(6)	TM-77	CB-1358P	STD,1,10,20,30,40	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530	
Rod Bearing(6)	AL-5	CB-1794A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Rod Bearing(6)	TM-77	CB-1794P-10	20,30,40	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	AL-5	MS-1454A-10	20,30						
1-2-3		MB-2508A		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070	
4		MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180	
Main Bearing Set	TM-77	MS-1454P	STD,1,10,20,30,40						
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070	
4		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180	
Main Bearing Set	TM-77	MS-1628P-10	20,30						
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070	
4		MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380	
NOTE: Contains .020" Oversize Length Flanged Bearing									
Main Bearing Set	TM-77	MS-1684P-20							
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070	
4		MB-3060P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580	
NOTE: Contains .040" Oversize Length Flanged Bearing									
Main Bearing Set	TM-77	MS-2215P-10	20,30						
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070	
4		MB-3119P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280	
NOTE: Contains .010" Oversize Length Flanged Bearing									

YAMAHA (Cont.)

YAMAHA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
2 (Cont.)	262 CID (4.3L) 4.3 Litre Chevrolet V6 Cyl			4.000in./101.6mm x 3.484in./88.5mm				2 (Cont.)
Cam Bearing Set	AL-3	SH-1350S	STD,10					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-4		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Except Engines Stamped With Identification Number Located On Front Of Block Starting With "T"								
Cam Bearing Set	AL-3	SH-1351S	STD					
1-4		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
3		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
NOTE: Engines Stamped With Identification Number On Front Of Block Starting With "T"								
Connecting Rod	45 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							
8 CYL								
3	305 CID (5.0L) 5.0 Litre Chevrolet V8 Cyl			3.736in./95mm x 3.484in./88.5mm				3
	350 CID (5.7L) 5.7 Litre Chevrolet V8 Cyl			4.000in./101.6mm x 3.484in./88.5mm				
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-909A-10	20,30					
1-2-3-4		MB-2508A		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set	TM-77	MS-909P	STD,1,2,10,20,30,40,C60					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1626P-10	20,30,40					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1683P-20						
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-3060P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1744P-10	20,30					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-3119P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-290S	STD,10					
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
Cam Bearing Set	AL-3	SH-1349S	STD					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set	AL-3	SH-1352S	STD					
1-2-3-4-5		SH-1352		1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set	AL-3	SH-1401S	STD					
1-2-3-4-5		SH-1401		1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3892671, 3916396, 3923282, 3946841							
C/S Forging	1182, 2690, 306275, 306276, 310514, 3732444, 3832442, 3912335, 3932444, 3941184, 4568749							

YAMAHA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite 77 Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
3 (Cont.)	305 CID (5.0L) 5.0 Litre Chevrolet V8 Cyl				3.736in./95mm x 3.484in./88.5mm			3 (Cont.)
	350 CID (5.7L) 5.7 Litre Chevrolet V8 Cyl				4.000in./101.6mm x 3.484in./88.5mm			
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							

NUMERICAL LISTING OF CLEVITE 77 CONNECTING ROD BEARINGS

Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-15P	STD,1,10,20,30,40,C60 Ford: 239(1949-1953), 255(1949-1953); FordInd: 239(1949-1953); FordTrk: 239(1949-1953); MilStd: 239	CB-296P	STD,10,20,30,40 Cumm: 743, 448 Diesel, 464 Diesel, 495 Diesel, 672 Diesel, 743 Diesel	CB-450P	STD,10 Oliver: 265, 302, 265 Diesel, 302 Diesel; Wauk: 265, 302, 320, 265 Diesel, 302 Diesel
CB-60G	STD,10,20,30,40,50,60 Chry: 218(1934-1954), 230(1946-1959); ChryInd: 218(1942-1960), 230(1942-1960); ChryMar: 218, 230; Clark: 218(1942-1954); Coshtt: 218(1942-1954); DodTrk: 218(1939-1954), 230(1942-1960); MasFer: 218(1942-1954), 230(1942-1960); MilStd: 230	CB-310P	STD,10,2,20,30 IntInd: 60; IntTrac: 60; PalMar: 60	CB-451P	STD,10,20,30,40 Oliver: 129, 144, 155, 194, 216, 231, 232, 265, 302, 129 Diesel, 144 Diesel, 155 Diesel, 194 Diesel, 216 Diesel, 231 Diesel, 265 Diesel; Wauk: 125, 129, 144, 155, 194, 216, 232, 265, 302, 320, 129 Diesel, 144 Diesel, 155 Diesel, 194 Diesel
CB-78P	STD,10,20,30,40,C60 Case: 124, 140; Clark: 162, 209; Cont: 124, 140, 162, 170, 184, 186, 199, 202, 206, 209, 214, 218; Coshtt: 140; GrayMar: 140, 162; MasFer: 124, 140, 162; Oliver: 140, 162, 202, 209	CB-340P	STD,10,20,30,40 Alc: 339; Clark: 320, 339; Coshtt: 198; Herc: 130, 149, 164, 169, 173, 188, 198, 214, 226, 228, 232, 245, 260, 263, 282, 298, 320, 339, 130 Diesel, 149 Diesel, 169 Diesel, 173 Diesel, 198 Diesel, 226 Diesel, 260 Diesel, 298 Diesel, 339 Dies	CB-452P	STD,10,20 IntInd: 269; NavInt: 250(1941-1949), 269(1942-1956), 282(1953-1962), 308(1955-1975); PalMar: 308(1955-1969)
CB-79P	STD,10,20,30,40,C60 Case: 106, 124, 126, 140, 148; Clark: 162, 209; Cont: 124, 140, 162, 170, 184, 186, 199, 202, 206, 209, 214, 218; Coshtt: 140; GrayMar: 140, 162; MasFer: 124, 140, 162; Oliver: 140, 162, 202, 209	CB-341P	STD,10,20 Alc: 237; ChrisCft: 230, 237; Clark: 237; Deere: 230; Herc: 191, 205, 222, 230, 237; Oliver: 205; PalMar: 230	CB-458P	STD,10,2,20,30,40 Alc: 153, 182, 230, 262, 273, 153 Diesel, 175 Diesel, 230 Diesel, 262 Diesel, 273 Diesel; Buda: 153, 182, 230, 262, 273, 38 Diesel, 153 Diesel, 175 Diesel, 230 Diesel, 262 Diesel, 273 Diesel; Coshtt: 230
CB-90P	STD,1,10,20,30,40,C60 Chry: 218(1938-1954), 237(1942-1950), 251(1942-1954), 265(1951-1954); ChryInd: 237, 251, 265; ChryMar: 251, 265; Coshtt: 237, 251; DodTrk: 242(1938-1941), 251(1942-1968), 265(1953-1960); MasFer: 237, 251, 265; MilStd: 265; MinMol: 251, 265;	CB-345P	STD,10,20,30 Cont: 50, 56, 62; MasFer: 62	CB-459P	STD Cont: 243 Diesel, 260 Diesel, 277 Diesel; MasFer: 260 Diesel, 277 Diesel
CB-179P	STD,10,2,20,30 Alc: 116, 125	CB-348P	STD,10,20 GMC: 331(1949-1954)	CB-461P	STD,1,10,2,20,30,40,50 DearbMar: 239(1954-1954), 256(1954-1954), 272(1955-1957), 292(1955-1955), 312(1956-1960); Ford: 239(1954-1954), 256(1954-1954), 272(1955-1957), 292(1955-1962), 312(1956-1960); FordInd: 239(1954-1955), 256(1954-1955), 272(1955-1957), 292(1955-1962), 312(1956-1960); FordInd: 239(1954-1955), 256(1954-1955), 272(1955-1957), 292(1955-1962), 312(1956-1960)
CB-200P	STD,1,10,2,20,30,40,C60 FerTrac: 120(1939-1947); FordInd: 120(1941-1942); FordTrac: 120; FordTrk: 120(1941-1942)	CB-361P	STD,10 Pack: 289(1958-1958); Stud: 224(1955-1956), 232(1951-1954), 259(1955-1964), 289(1956-1964), 304(1964-1964); StudTrk: 224(1955-1956), 259(1955-1964), 289(1957-1964)	CB-462P	STD,10,20 Ford: 317(1952-1954), 341(1955-1955), 368(1956-1957); FordInd: 279(1952-1955), 317(1952-1955), 332(1956-1963); FordTrk: 279(1953-1955), 302(1956-1963), 317(1953-1955), 332(1956-1963)
CB-206P	STD,10,2,20,30 IntInd: 248; IntTrac: 248	CB-362P	STD,10,2,20,30,40,C60 Cont: 120, 129, 134, 145; MasFer: 120, 129, 134, 145	CB-465P	STD,10,20,30 Clark: 226; Cont: 135, 162, 163, 198, 209, 226, 227, 242, 244, 245; Coshtt: 226; GrayMar: 226, 244; Jeep: 226(1947-1963); KaisFraz: 226(1947-1954); MasFer: 226, 227, 244; MinMol: 226, 244; Oliver: 226, 244
CB-207P	STD,10,2,20 IntInd: 152; IntTrac: 152; MilStd: 152	CB-363P	STD,10,C60 Mack: 672, 707, 605 Diesel, 672 Diesel	CB-466P	STD,10,20,30,C40,C60 Clark: 226; Cont: 135, 162, 163, 198, 209, 226, 227, 242, 244, 245; Coshtt: 226; GrayMar: 226, 244; Jeep: 226(1947-1963); KaisFraz: 226(1947-1954); MasFer: 226, 227, 244; MinMol: 226, 244; Oliver: 226, 244
CB-236P	STD,10,20,30,40,50,C60 Jeep: 134(1939-1973); KaisFraz: 134(1951-1953); MilStd: 134	CB-365P	STD,10 MilStd: 331; Reo: 255, 292, 331	CB-468P	STD,20 Deere: 309(1941-1953), 321(1941-1955)
CB-266P	STD,10,20,30,40,C60 IntInd: 372, 406, 450, 501; NavInt: 318(1944-1947), 361(1944-1949), 372(1949-1968), 401(1944-1949), 406(1949-1977), 450(1944-1974), 501(1953-1974)	CB-386P	STD,10,2,20,30 IntInd: 113, 123; IntTrac: 113, 123	CB-469P	STD Deere: 175, 190
CB-268P	STD,10,20,30 IntInd: 248 Diesel, 264 Diesel, 281 Diesel; IntTrac: 248 Diesel, 264 Diesel, 281 Diesel	CB-400AL	STD,10,20,30,50 Cat: 350 Diesel, 525 Diesel	CB-470P	STD,10,20,30 Cumm: 267 Diesel, 309 Diesel, 401 Diesel, 464 Diesel
CB-278P	STD,10,20,30 Clark: 69, 91, 112; Cont: 69, 91, 112; GrayMar: 69, 91, 112; MasFer: 91; Oliver: 112	CB-405P	STD,10,20,30 Cont: 227, 243, 260, 277; MasFer: 260, 277	CB-472P	STD,10,20,30 GMC: 331(1955-1955), 365(1956-1958), 390(1959-1963), 429(1964-1967)
CB-279P	STD,10,20,30 Clark: 69, 91, 112; Cont: 69, 91, 112; GrayMar: 69, 91, 112; MasFer: 91; Oliver: 112	CB-416P	STD,1,10,2,20,30,40,50 GMC: 235(1953-1962); GMC Trk.: 235(1953-1962), 261(1954-1962)	CB-473P	STD,10,20,30 IntInd: 401, 461, 549; NavInt: (1956-1969), 401(1956-1975), 461(1956-1964), 478(1965-1977), 549(1956-1978); PalMar: 401(1956-1975), 461(1956-1964), 549(1956-1972)
CB-286P	STD,10 MilStd: 170; Stud: 169(1941-1954), 170(1941-1964), 186(1955-1958); StudTrk: 170(1941-1960), 186(1955-1958)	CB-420P	STD,10,20 IntInd: 164, 169, 175; IntTrac: 164, 169, 175		
CB-291P	STD Wauk: 468, 525, 554	CB-422P	STD,10,2,20,30 IntInd: 248, 264, 281; IntTrac: 248, 264, 281		
CB-292P	STD,20 MilStd: 779, 817; Wauk: 501, 638, 779, 817	CB-426P	STD,10 GMC: 264(1954-1955), 322(1953-1956)		
		CB-427P	STD,10,20,30,40 GMC Trk.: 228(1939-1953), 236(1942-1946), 248(1939-1955), 270(1939-1962), 302(1952-1959); MilStd: 302		
		CB-436B	STD,10,20,30 Deere: 113, 100.5		
		CB-446P	STD,10,20 Coshtt: 194, 194 Diesel; Oliver: 121, 129, 144, 155, 194, 216, 232, 129 Diesel, 144 Diesel, 155 Diesel, 194 Diesel, 216 Diesel; Wauk: 121, 125, 129, 144, 155, 194, 216, 232, 129 Diesel, 144 Diesel, 155 Diesel, 194 Diesel, 216 Diesel, 232 Di		
		CB-448P	STD,10 MinMol: 283, 403, 605, 605 Diesel		

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Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-475P	STD,10,20,30,40 IntInd: 220, 240, 264; NavInt: 220(1950-1968), 240(1949-1969), 241(1963-1970), 264(1955-1969), 265(1955-1970); PalMar: 240(1950-1969), 264(1955-1969)	CB-524P	STD,10,20,30 Cont: 50, 56, 62; MasFer: 62	CB-579P	STD,10,20 MilStd: 124, 139, 149, 153, 187, 199, 209, 223, 226, 230, 251, 339; Wisc: 149, 154, 177
CB-481H	STD,1,10 Chry: 273(1964-1969), 318(1957-2002), 340(1968-1973), 360(1971-2002)	CB-526P	STD,10,2,20,30 Alc: 201, 226; Roil: 176 Diesel, 201 Diesel, 226 Diesel	CB-581P	STD,1,10,2,20,30,40 IntInd: 345; NavInt: 266(1959-1975), 304(1959-1980), 345(1959-1982), 392(1968-1987); PalMar: 304(1959-1980), 345(1959-1982), 392(1968-1982)
CB-481HK	STD,1,10 Chry: 273(1964-1969), 318(1957-2002), 340(1968-1973), 360(1971-2002)	CB-527HD	STD,1,10 Chry: 350(1958-1958), 361(1958-1977), 383(1959-1971), 400(1972-1980), 413(1959-1977), 426(1963-1971), 440(1966-1980)	CB-583P	STD,1,10,20,30,40 DearbMar: 144(1960-1964), 170(1961-1973); Ford: 140(1984-1985), 144(1960-1964), 170(1961-1972), 200(1963-1983), 250(1969-1980); FordInd: 144(1960-1964), 200(1965-1983); FordMar: 144(1960-1964), 170(1961-1973), 200(1964-1983), 250(1969-1980)
CB-481HX	STD Chry: 273(1964-1969), 318(1957-2002), 340(1968-1973), 360(1971-2002)	CB-527HDX	STD Chry: 350(1958-1958), 361(1958-1977), 383(1959-1971), 400(1972-1980), 413(1959-1977), 426(1963-1971), 440(1966-1980)	CB-584P	STD,1,10,20 GMC: 140(1960-1961), 145(1961-1963), 164(1964-1969); GMC Trk.: 145(1961-1963); MilStd: 145
CB-481HXX	STD Chry: 273(1964-1969), 318(1957-2002), 340(1968-1973), 360(1971-2002)	CB-527P	STD,1,10,20,30,40 Chry: 350(1958-1958), 361(1958-1966), 383(1959-1971), 400(1972-1978), 413(1959-1965), 426(1963-1971), 440(1966-1978); ChryInd: 361, 383, 400, 413, 440; ChryMar: 361, 383, 400, 413, 426, 440; DodTrk: 361(1960-1977), 383(1967-1971), 400(1972-)	CB-586P	STD,10,2,20,30,40,C60 GMC Trk.: 305(1960-1974), 351(1960-1972), 379(1973-1974), 401(1960-1972), 432(1973-1974), 478(1964-1974), 637(1966-1971), 702(1960-1965), 351 Diesel(1964-1967), 478 Diesel(1964-1974), 637 Diesel(1966-1971); Oliver: 478(1962-1974)
CB-481P	STD,1,10,2,20,30,40 Chry: 273(1964-1969), 277(1956-1957), 301(1956-1957), 303(1956-1956), 318(1957-1989), 326(1959-1959), 340(1968-1973), 360(1971-1980), 488(1994-2002); ChryInd: 318; ChryMar: 273, 318, 340, 360; DodTrk: 273(1964-1968), 313(1958-1965), 318(195)	CB-533P	STD,10,20,30 IntInd: 135; IntTrac: 135, 146, 153, 157; MilStd: 124, 145, 162, 218, 230, 237, 244	CB-590P	STD,10,20,30 IntInd: 817 Diesel; IntTrac: 817 Diesel
CB-482P	STD,10 Chry: 315(1956-1956), 325(1957-1958)	CB-535P	STD,1,10,2,20,30,40 Ford: 215(1952-1953), 223(1954-1960); FordInd: 134(1953-1976), 172(1955-1978), 192(1972-1981), 215(1952-1953), 223(1954-1960), 144 Diesel(1958-1965), 172 Diesel(1958-1978), 192 Diesel(1972-1981); FordTrac: 134(1953-1965), 172(1955-1965), 19	CB-591P	STD,10,20 MasFer: 504, 504 Diesel; MinMol: 336, 425, 283 Diesel, 336 Diesel, 425 Diesel, 451 Diesel; WhiFarm: 504 Diesel
CB-487AL	STD,10,20,30 AMC: 1489(1958-1961); Austin: 1489(1956-1961); Hud: 1198(1954-1955), 1489(1956-1957); MG: 1489(1954-1961), 1588(1959-1962), 1622(1962-1968); Morris: 1198(1954-1959), 1489(1954-1961), 1622(1962-1966); Nash: 1198(1954-1955), 1489(1956-1957)	CB-542P	STD,1,10,20,30,40 BarrMar: 455(1968-1976); Berk: 455(1968-1976); GMC: 368(1980-1984), 371(1959-1960), 394(1959-1964), 400(1965-1969), 425(1965-1979), 455(1968-1976), 472(1968-1974), 500(1970-1976); GMC Trk.: 370(1959-1959); JacMar: 455(1968-1976); OldsMar: 4	CB-592P	STD,20,30 MinMol: 283, 403, 425, 425 Diesel
CB-488P	STD,10,20,30 Austin: 848(1959-1978), 948(1958-1964), 970(1963-1965), 997(1961-1964), 998(1961-1978), 1070(1963-1965), 1098(1962-1978), 1275(1963-1978); MG: 948(1961-1962), 1098(1963-1967), 1275(1968-1969); Morris: 948(1957-1962), 1098(1962-1971)	CB-546P	STD,20 Wauk: 426, 451, 426 Diesel	CB-594P	STD,10,20 MinMol: 206(1956-1959), 220(1956-1959), 206 Diesel(1956-1959), 236 Diesel(1956-1959)
CB-489AL	STD,10,20,30,40 FordInd: 220 Diesel(1962-1966), 330 Diesel(1962-1966); FordTrk: 220 Diesel(1952-1966), 330 Diesel(1960-1966); ForsnTrac: 330 Diesel(1960-1966)	CB-550P	STD,1,10,2,20,30 IntInd: 175, 221, 263, 282, 301, 166 Diesel, 236 Diesel, 282 Diesel, 301 Diesel; IntTrac: 175, 200, 221, 263, 282, 291, 301, 166 Diesel, 188 Diesel, 236 Diesel, 282 Diesel, 301 Diesel; NavInt: 301 Diesel(1960-1978)	CB-596P	STD,10 Cont: 201, 208, 223, 242, 243, 208 Diesel, 242 Diesel; MasFer: 201, 208, 223, 242, 208 Diesel
CB-496AL-10	10 Tri: 1991(1954-1962), 2138(1963-1967)	CB-551P	STD Wauk: 1905, 1905 Diesel	CB-597P	STD Wauk: 5788
CB-503B	STD,10,20,30,40,60 GMC: 216(1937-1952), 235(1950-1953); GMC Trk.: 216(1937-1953), 235(1950-1953)	CB-555P	STD,10,2,20,30,40 Clark: 568 Diesel; DetD: 426 Diesel(1979-1988), 552 Diesel(1979-1988), 568 Diesel(1980-1988), 736 Diesel(1980-1988), 852 Diesel(1980-1988), 1104 Diesel(1980-1988), 1136 Diesel(1980-1988), 1472 Diesel(1980-1988); MasFer: 568 Diesel; MilStd:	CB-599P	STD,10,20,30 Mack: 707, 672 Diesel, 707 Diesel
CB-504B	STD,10,20,30 Bendix: 10	CB-556P	STD,10,20 IntInd: 135; IntTrac: 135; MilStd: 54, 92, 108, 133; Wisc: 92, 108	CB-603P	STD,10,20,30,40 Ford: 98(1971-1973), 997(1960-1967), 1098(1968-1980), 1100(1971-1973), 1198(1961-1968), 1298(1968-1980), 1340(1961-1962), 1498(1963-1967), 1599(1967-1980); FordInd: 67(1973-1982), 98(1973-1982); FordTrk: 997(1959-1967), 1198(1961-1968)
CB-505B	STD,10,20 Bendix: 13, 17, 20	CB-560AL	STD,10,20,30,40 Alc: 152 Diesel; FordTrac: 152; ForsnTrac: 144 Diesel(1964-1974), 152 Diesel(1964-1964); Jeep: 192 Diesel(1968-1968); MasFer: 152, 135 Diesel, 144 Diesel, 152 Diesel, 192 Diesel, 203 Diesel, 288 Diesel, 305 Diesel; MinMol: 152 Diesel; Perk:	CB-606G	STD,1,10,20,30,40,60 Chry: 170(1960-1969), 198(1970-1974), 225(1960-1976); ChryInd: 225(1961-1976); ChryMar: 170, 198, 225; DodTrk: 170(1963-1969), 198(1970-1971), 225(1961-1976); MasFer: 170, 225
CB-507P	STD,10,20 AMC: 250(1958-1961), 287(1963-1966), 327(1957-1966); Jeep: 327(1965-1970)			CB-609P	STD Wauk: 1013, 1196
CB-510P	STD,10,30 Cont: 253, 271, 290, 330, 338, 363, 427; GrayMar: 330; MasFer: 290, 330				
CB-521P	STD,10 Ford: 383(1958-1960), 410(1958-1958), 430(1958-1965), 462(1966-1968)				

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Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-610P	STD,1,10,20,30,40 AMC: 151(1980-1983); ChrisCft: 225; GMC: 151(1977-1992), 198(1962-1963), 215(1961-1963), 225(1964-1967), 231(1975-1977), 265(1980-1981), 300(1964-1967), 301(1977-1981), 340(1966-1967), 350(1968-1981); GMC Trk.: 151(1985-1993); Jeep: 151(198	CB-634P	STD,1,10,2,20,30,40 CommMar: 302; DearbMar: 289, 302; Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1964-1968), 302(1968-1995); Fordlnd: 302(1968-1993); FordMar: 221, 260, 289, 302; FordTrk: 255(1981-1982), 260(1964-1964), 289(1965-1968), 302(1968-	CB-663HX	STD GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)
CB-615P	STD,10,20,30,C40,C60 Fordlnd: 401(1960-1976), 477(1960-1981), 534(1960-1981); FordMar: 534(1960-1981); FordTrk: 401(1960-1975), 475(1973-1979), 477(1960-1981), 534(1960-1981); MilStd: 534; Seamstr: 534	CB-634V	STD,1,10 Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)	CB-663HDX	STD GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)
CB-616P	STD,10,20,30 Cont: 176; MasFer: 176	CB-637P	STD,10,20,30 Deere: 115, 135, 145, 164, 165, 180, 202, 217, 219, 248, 145 Diesel, 155 Diesel, 165 Diesel, 202 Diesel, 248 Diesel	CB-663HXDK	STD GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)
CB-618P	STD,10,20,30 Cont: 193, 206; MasFer: 193	CB-643P	STD,10 Deere: 303	CB-663HXX	STD GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)
CB-619AL	STD,10,20,30,50 Cat: 425, 525, 638, 350 Diesel, 425 Diesel, 525 Diesel, 638 Diesel	CB-644P	STD,10,20 Deere: 362, 378 Diesel	CB-663P	STD,1,10,2,20,30,40 Checker: 267(1980-1980), 305(1978-1980), 307(1968-1969), 327(1968-1969), 350(1969-1979); ChrisCft: 181, 302, 305, 307, 327, 350; FlagMar: 305, 307, 327, 350; GMC: 262(1975-1976), 265(1994-1996), 267(1979-1982), 302(1968-1969), 305(1976-1993)
CB-621P	STD Cummm: 1485 Diesel, 1710 Diesel	CB-647P	STD,10,20,30 IntTrac: 144 Diesel, 154 Diesel	CB-663VN	STD,1,10,20 GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)
CB-622P	STD,10,20,30 Intlnd: 350 Diesel, 370 Diesel, 502 Diesel, 525 Diesel, 554 Diesel; IntTrac: 335 Diesel, 350 Diesel, 554 Diesel	CB-652AL	STD,10,20,30 MasFer: 107 Diesel; Perk: 99 Diesel, 107 Diesel, 108 Diesel	CB-663VXN	STD GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)
CB-625P	STD,10,20,30,40 Cummm: 855, 743 Diesel, 855 Diesel	CB-655P	STD,10,2,20,30 Case: 148, 159, 164, 188, 201, 188 Diesel	CB-663VXX	STD GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)
CB-632P	STD Intlnd: 461 Diesel, 691 Diesel; IntTrac: 461 Diesel, 691 Diesel	CB-656B	STD,10,20,30 Bendix: 10	CB-666P	STD,10,20 Onan: 50
CB-633P	STD,10,20 NavInt: 152(1961-1968), 196(1966-1980); PalMar: 196(1966-1980)	CB-659P	STD,10 Reo: 331, 362, 400; White: 331, 362, 400	CB-667AL	STD,10,20,30 DodTrk: 354 Diesel(1966-1970); MasFer: 212 Diesel, 236 Diesel, 248 Diesel, 354 Diesel; MinMol: 354 Diesel; Oliver: 354 Diesel; Perk: 236, 212 Diesel, 236 Diesel, 248 Diesel, 354 Diesel, 372 Diesel; WhiFarm: 354 Diesel
CB-634A-10	10,20,30 CommMar: 302; DearbMar: 289, 302; Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1964-1968), 302(1968-1995); Fordlnd: 302(1968-1993); FordMar: 221, 260, 289, 302; FordTrk: 255(1981-1982), 260(1964-1964), 289(1965-1968), 302(1968-	CB-663A-10	10,20,30 Checker: 267(1980-1980), 305(1978-1980), 307(1968-1969), 327(1968-1969), 350(1969-1979); ChrisCft: 181, 302, 305, 307, 327, 350; FlagMar: 305, 307, 327, 350; GMC: 262(1975-1976), 265(1994-1996), 267(1979-1982), 302(1968-1969), 305(1976-1993)	CB-668P	STD,10,20,30,40,C60 Ford: 223(1961-1964); Fordlnd: 223(1961-1964), 262(1961-1964); FordTrk: 223(1961-1964), 262(1961-1964)
CB-634H	STD,1,10 Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)	CB-663H	STD,1,10,20 GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)		
CB-634HD	STD,10 Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)	CB-663HD	STD,1,10 GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)		
CB-634HK	STD,1,10 Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)	CB-663HDK	STD,1,10 GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)		
CB-634HX	STD Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)	CB-663HK	STD,1,10 GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)		
CB-634HXX	STD Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)				

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CB-669P	STD,10,2,20,30 Deere: 201, 227, 301, 341, 362, 254 Diesel, 270 Diesel, 381 Diesel, 404 Diesel, 466 Diesel	CB-734P	STD,10 ChryMar: 109, 122; Vol: 109(1961-1968), 121(1969-1972), 182(1969-1972); VolPen: 121(1969-1972)	CB-743VND	STD,1,10,20 GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1961-1965)
CB-673B	STD,10,20,30 Bendix: 13, 17, 20	CB-741AL	STD,.50mm Peug: 2112 Diesel(1974-1976), 2304 Diesel(1977-1981)	CB-743VNDX	STD GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1961-1965)
CB-674P	STD,10,20,30 DetD: 318 Diesel, 424 Diesel; MilStd: 318 Diesel	CB-743A-10	10,20,30 ChrisCft: 454; FlagMar: 427, 454; GMC: 348(1958-1961), 396(1965-1971), 402(1970-1972), 409(1961-1965), 427(1966-1969), 454(1970-1976); GMC Trk.: 348(1958-1965), 366(1966-1998), 396(1966-1971), 402(1970-1972), 409(1962-1965), 427(1968-1998)	CB-743VX	STD GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1966-1998)
CB-675P	STD,10,20,30,40 IntInd: 312 Diesel, 360 Diesel, 361 Diesel, 407 Diesel, 414 Diesel, 466 Diesel; IntTrac: 407, 312 Diesel, 360 Diesel, 361 Diesel, 407 Diesel, 414 Diesel, 436 Diesel, 466 Diesel; NavInt: 466 Diesel(1975-1984)	CB-743H	STD,1,10,20 GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1961-1965)	CB-745H	STD,1,10 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)
CB-676P	STD,10,20,30 Ford: 289(1963-1967), 302(1969-1971)	CB-743HD	STD,1,10 GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1961-1965)	CB-745HD	STD,10 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)
CB-684P	STD,1,10,20,30,40 BarrMar: 403(1977-1979); Berk: 350(1968-1980); Checker: 350 Diesel(1980-1980); GMC: 260(1975-1982), 307(1980-1990), 330(1964-1967), 350(1968-1980), 403(1977-1979), 260 Diesel(1979-1979), 350 Diesel(1978-1985); GMC Trk.: 350 Diesel(1978-1984)	CB-743HDK	STD,1,10 GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1965-1970)	CB-745HDK	STD,10 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)
CB-685P	STD,10,20,30 IntInd: 429 Diesel, 573 Diesel; IntTrac: 429 Diesel, 573 Diesel, 798 Diesel; NavInt: 573 Diesel(1968-1971), 798 Diesel(1975-1979)	CB-743HK	STD,1,10 GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1966-1998)	CB-745HK	STD,1,10 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)
CB-686P	STD,10,20,30 Case: 251, 284, 301, 377, 251 Diesel, 267 Diesel, 301 Diesel, 336 Diesel, 377 Diesel, 401 Diesel, 451 Diesel	CB-743HX	STD GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1961-1965)	CB-745HX	STD GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)
CB-694AL	STD,25,50 Cat: 893, 595 Diesel, 893 Diesel	CB-743HDX	STD GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1961-1965)	CB-745HDX	STD GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)
CB-699P	STD,1,10,2,20,30,40 Ford: 240(1965-1972); FordInd: 240(1965-1974), 300(1965-1993); FordMar: 240, 300; FordTrk: 240(1965-1974), 300(1965-1996); OscoMar: 300	CB-743HXDK	STD GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1965-1970)	CB-745P	STD,1,10,2,20,30,40 Checker: 230(1964-1968), 250(1969-1979), 283(1965-1967), 327(1965-1967); ChrisCft: 283, 302; FlagMar: 283, 327; GMC: 112(1982-1982), 121(1983-1989), 122(1975-1976), 134(1990-2002), 140(1971-1977), 153(1962-1970), 194(1962-1967), 215(1964-19
CB-700P	STD,10,20,30,40 Alc: 344 Diesel, 516 Diesel; Buda: 344 Diesel, 516 Diesel	CB-743HXDK	STD GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1961-1965)	CB-745V-10	10 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)
CB-701P	STD,10,20 MinMol: 800, 605 Diesel, 800 Diesel	CB-743HXDK	STD GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1965-1970)	CB-745VN	STD,1 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)
CB-703P	STD,10,20,30,40 Oliver: 265, 283, 302, 265 Diesel, 283 Diesel, 302 Diesel, 310 Diesel; Wauk: 265, 283, 302, 310, 320, 265 Diesel, 283 Diesel, 302 Diesel, 310 Diesel	CB-743HXK	STD GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1965-1970)	CB-745VXN	STD GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)
CB-704P	STD,10,20,30 Alc: 339; Cosht: 198; Herc: 130, 149, 169, 173, 198, 226, 260, 298, 339, 130 Diesel, 149 Diesel, 169 Diesel, 173 Diesel, 198 Diesel, 226 Diesel, 260 Diesel, 298 Diesel, 339 Diesel; Oliver: 198; PalMar: 339	CB-743P	STD,1,10,2,20,30,40,50 ChrisCft: 454; FlagMar: 427, 454; GMC: 348(1958-1961), 396(1965-1971), 402(1970-1972), 409(1961-1965), 427(1966-1969), 454(1970-1976); GMC Trk.: 348(1958-1965), 366(1966-1998), 396(1966-1971), 402(1970-1972), 409(1962-1965), 427(1968-1998)	CB-751P	STD,10 MasFer: 301 Diesel, 318 Diesel; Perk: 270 Diesel, 301 Diesel, 318 Diesel
CB-722AL	STD,.25mm,.50mm Ren: 956(1963-1966), 1108(1964-1969), 1289(1969-1972)	CB-743V	STD,1,10,20 GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1966-1998)	CB-754P	STD Cumm: 588 Diesel, 785 Diesel
CB-723P	STD,10,20,30,40 Ford: 159(1972-1973), 171(1974-1979), 1498(1963-1970), 1699(1963-1975), 2551(1970-1976), 2900(1988-1990); FordTrk: 171(1983-1986), 177(1986-1992), 244(1990-2003); MazTrk: 4016(1991-2001); Saab: 1498(1967-1970)			CB-756P	STD,10,20 ChrisCft: 427; DearbMar: 390(1961-1963), 427(1961-1961); Ford: 390(1961-1963), 406(1962-1963), 427(1963-1967); FordMar: 427; ThermElec: 390(1961-1963)
CB-727P	STD Tri: 1147(1961-1967), 1296(1967-1969)			CB-757AL	STD,10,20,30,40 FordInd: 401 Diesel; FordTrac: 158(1965-1968), 175(1965-1968), 192(1965-1969), 201(1975-1980), 233(1965-1968), 256(1965-1968), 158 Diesel(1965-1968), 175 Diesel(1965-1968), 183 Diesel(1975-1980), 192 Diesel(1965-1968), 201 Diesel(1965-1968)

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Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-758H	STD,10 GMC: 326(1963-1967), 350(1968-1977), 389(1959-1966), 400(1967-1979)	CB-823P	STD GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)	CB-952P	STD,10,20 Ford: 330(1964-1978), 352(1964-1967), 359(1974-1975), 360(1968-1976), 361(1964-1978), 389(1975-1978), 390(1964-1976), 391(1964-1978), 410(1966-1967), 427(1968-1968), 428(1966-1978)
CB-758P	STD,1,10,20,30,40 GMC: 195(1961-1963), 287(1955-1955), 303(1950-1953), 324(1954-1956), 326(1963-1967), 347(1957-1957), 350(1968-1977), 370(1958-1958), 389(1959-1966), 400(1967-1979), 421(1963-1966), 428(1967-1969), 455(1970-1976); GMC Trk.: 287(1955-1955), 3	CB-824P	STD,10 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)	CB-954P	STD,10,20 Cont: 478, 427 Diesel, 465 Diesel, 478 Diesel; Herc: 478 Diesel; MilStd: 427 Diesel, 478 Diesel
CB-759AL	STD,10,20,30 Deere: 303, 329, 152 Diesel, 164 Diesel, 179 Diesel, 202 Diesel, 219 Diesel, 239 Diesel, 303 Diesel, 329 Diesel, 359 Diesel; FMC: 239 Diesel	CB-825P	STD GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)	CB-955P	STD GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1970-2000)
CB-760P	STD,1,10,2,20,30,40 ChrisCft: 427; DearbMar: 390(1964-1971), 427(1964-1971); Ford: 332(1958-1959), 352(1958-1967), 361(1958-1959), 390(1961-1971), 410(1966-1967), 427(1968-1968), 428(1966-1970); FordInd: 330(1964-1978), 360(1964-1978), 361(1964-1978), 390(1964)	CB-826P	STD,1,10 GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)	CB-956P	STD,1,10 GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1970-1972)
CB-762P	STD,1,10,20,30,40 GMC: 364(1957-1961), 400(1967-1969), 401(1959-1966), 425(1963-1966), 430(1967-1969), 455(1970-1976); GrayMar: 455(1970-1976)	CB-829M	STD,10 GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1966-1998)	CB-960P	STD,1,10,2,20,30,40 AMC: 150(1983-1986), 199(1965-1970), 232(1964-1979), 258(1971-1988), 290(1966-1969), 304(1970-1979), 343(1967-1969), 360(1970-1978); DodTrk: 150(1996-2002); Eagle: 150(1988-1989); GrayMar: 258(1971-1980), 304(1970-1979), 360(1970-1978); Jee
CB-778AL	STD,10,25,50 Cat: 1473, 1473 Diesel	CB-831A-10	10,20,30 CommMar: 351; DearbMar: 351; Ford: 351(1969-1995); FordInd: 351(1969-1993); FordMar: 351; FordTrk: 351(1969-1998); GlasMar: 351; HolMdyMar: 351; IndMar: 351; MercMar: 351; OMC: 351; OscoMar: 351; PalMar: 351; PleasCft: 351; ThermElec: 351;	CB-961P	STD Ford: 351(1970-1982), 400(1971-1982)
CB-780P	STD,.25mm.,50mm.,75mm, 1.00mm VW: 1192(1961-1965), 1285(1966-1966), 1493(1967-1969), 1584(1966-1979); VWTrk: 1192(1954-1964), 1493(1965-1967), 1584(1968-1979)	CB-831HN	STD,1,10 Ford: 351(1977-1998)	CB-962P	STD,10,20 Ford: 351(1970-1982), 400(1971-1982)
CB-781AL	STD,10,20,30 Alc: 138, 139, 149, 160	CB-831HNK	STD,1,10 Ford: 351(1977-1998)	CB-964AL	STD,10,25,50 Cat: 1246, 831 Diesel, 1246 Diesel
CB-792P	STD,10,20,30 Austin: 1798(1966-1978); MG: 1798(1965-1980)	CB-831HKN	STD Ford: 351(1977-1998)	CB-965P	STD,10,20 Cumm: 1710 Diesel
CB-807P	STD,10,20,30,40 NavInt: 461 Diesel(1966-1979), 549 Diesel(1966-1979)	CB-831HXN	STD Ford: 351(1977-1998)	CB-966P	STD,.25mm.,50mm.,75mm, 1.00mm Nis: 1595(1968-1973), 1770(1973-1974), 1952(1974-1981), 2187(1982-1983), 2393(1970-1982), 2565(1974-1974), 2753(1975-1983), 2793 Diesel(1981-1983); NisTrk: 1595(1972-1973), 1770(1974-1974), 1952(1975-1985), 2187(1981-1983), 2389(1983-1989)
CB-809P	STD,.25mm.,50mm BMW: 1573(1964-1971), 1766(1980-1984), 1773(1963-1967), 1990(1966-1979), 2494(1969-1971), 2788(1969-1981), 2985(1975-1978), 3210(1978-1984), 3430(1985-1993)	CB-831HXNK	STD Ford: 351(1977-1998)	CB-967P	STD,.25mm.,50mm.,75mm, 1.00mm Nis: 1189(1961-1966), 1299(1965-1969); NisTrk: 1299(1968-1972)
CB-811G	STD,.25mm.,50mm.,75mm, 1.00mm NisTrk: 3956(1960-1990)	CB-831P	STD,1,10,20,30,40 CommMar: 351; DearbMar: 351; Ford: 351(1969-1995); FordInd: 351(1969-1993); FordMar: 351; FordTrk: 351(1969-1998); GlasMar: 351; HolMdyMar: 351; IndMar: 351; MercMar: 351; OMC: 351; OscoMar: 351; PalMar: 351; PleasCft: 351; ThermElec: 351;	CB-968G	STD,.25mm.,50mm.,75mm Toy: 1490(1964-1970); ToyInd: 1490(1964-1970)
CB-817AL	STD,10,25,50,75 Cat: 1246, 831 Diesel, 1246 Diesel	CB-833AL	STD,.20mm Chry: 97(1983-1986)	CB-969G	STD,.25mm.,50mm.,75mm Toy: 1077(1968-1969), 1166(1969-1979), 1290(1981-1983)
CB-818H	STD,10 Ford: 370(1979-1991), 429(1968-1998), 460(1968-1998)	CB-927H	STD,10 Ford: 351(1970-1982), 400(1971-1982)	CB-970AL	STD,10,25,50 Cat: 1964, 2946, 3928, 1964 Diesel, 2946 Diesel, 3928 Diesel
CB-818P	STD,1,10,20,30,40 CommMar: 460; Ford: 429(1968-1973), 460(1968-1978); FordInd: 370(1979-1991), 429(1979-1993), 460(1973-1993); FordMar: 429(1968-1973), 460(1968-1978); FordTrk: 370(1979-1991), 429(1970-1998), 460(1973-1998); HardMar: 460; HolMdyMar: 460(1968)	CB-927P	STD,1,10,20,30,40 Ford: 351(1970-1979), 400(1971-1979); FordMar: 351(1970-1974); FordTrk: 351(1970-1982), 400(1972-1982)	CB-972P	STD,10,20,30,40 Cat: 522 Diesel, 573 Diesel, 636 Diesel; FordTrk: 522 Diesel(1968-1975), 573 Diesel(1968-1975), 636 Diesel(1970-1976); MasFer: 573 Diesel, 636 Diesel
CB-819P	STD,10,20,30 AMC: 390(1968-1970), 401(1971-1976); GrayMar: 390(1968-1970); Jeep: 401(1974-1978); NavInt: 400(1973-1975)	CB-927V	STD,1,10 Ford: 351(1970-1982), 400(1971-1982)	CB-979M	STD,10,20 Alc: 108; Case: 108; Coshitt: 108; MasFer: 108; Oliver: 108; Wisc: 54, 108
		CB-931AL	STD,10 Austin: 1275(1967-1978); MG: 1275(1967-1974)	CB-980P	STD,.25mm.,50mm.,75mm, 1.00mm Nis: 1171(1971-1973), 1237(1980-1982), 1288(1973-1974), 1397(1975-1982), 1488(1979-1982); NisInd: 988(1965-1971)
		CB-943P	STD,.25mm.,50mm.,75mm Ford: 122(1971-1974), 1593(1970-1982), 1993(1970-1976)		
		CB-948P	STD Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)		
		CB-949P	STD,10 Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)		

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Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-981P	STD.,25mm.,50mm.,75mm, 1.00mm Nis: 1982(1968-1970); NisInd: 1982(1967-1992)	CB-1073P	STD,10,20 Cummm: 903 Diesel; FordTrac: 903 Diesel; MasFer: 903 Diesel	CB-1180P	STD,10 DetD: 1788 Diesel, 2384 Diesel
CB-982P	STD,10,20,30 MG: 1493(1975-1980); Tri: 1296(1970-1974), 1493(1973-1980), 1998(1966-1973), 2498(1968-1976)	CB-1078P	STD.,25mm.,75mm Daih: 2765(1989-1993)	CB-1186AL	STD Peug: 2664(1977-1978), 2849(1979-1991); Vol: 163(1976-1979), 174(1980-1986)
CB-983M	STD,10 Case: 108; Coshtt: 108; MasFer: 54, 108; Oliver: 108; Wisc: 46, 54, 92, 108	CB-1093P	STD.,25mm.,50mm GMC Trk.: 137 Diesel(1984-1985), 2238 Diesel(1981-1982); IsuInd: 119 Diesel(1981-1984), 144 Diesel(1969-1985), 1991 Diesel(1969-1985); IsuTrk: 2238 Diesel(1981-1987); ThermKing: 1991 Diesel(1969-1979), 2207 Diesel(1969-1979)	CB-1190P	STD,10 Alfa: 1570(1972-1976), 1779(1969-1971), 1962(1972-1994)
CB-984P	STD.,026mm.,25mm.,50mm., .75mm,1.00mm Ford: 140(1974-1993); FordInd: 140(1977-1993); FordTrk: 121(1983-1988), 140(1977-1997), 153(1998-2001); MazTrk: 140(1994-1997), 153(1998-2001)	CB-1095P	STD.,25mm.,50mm.,75mm IsuTrk: 2775 Diesel(1973-1990), 3268 Diesel(1979-1984), 3595 Diesel(1973-1990), 3856 Diesel(1985-1999), 5393 Diesel(1972-1990), 5785 Diesel(1977-1990), 6130 Diesel(1980-1990)	CB-1191P	STD,25mm Saab: 1985(1972-1988)
CB-985P	STD,10,20,30 MilStd: 142	CB-1107G	STD.,25mm.,50mm Maz: 988(1967-1983), 1169(1971-1972), 1272(1976-1977); MazTrk: 1169(1968-1974), 1272(1976-1977)	CB-1193P	STD.,25mm.,50mm.,75mm IntTrac: 206, 155 Diesel, 179 Diesel, 239 Diesel, 310 Diesel, 358 Diesel
CB-986P	STD,10,20 Cummm: 927 Diesel	CB-1110P	STD.,25mm.,50mm.,75mm, 1.00mm FordTrk: 110(1972-1978), 122(1979-1982); Maz: 1796(1972-1973), 1970(1979-1982); MazTrk: 1796(1977-1978), 1970(1979-1984)	CB-1200AL	STD,10,20,30 FordTrac: 242 Diesel(1965-1969), 254 Diesel(1969-1990), 363 Diesel(1965-1990), 380 Diesel(1969-1990), 3759 Diesel(1965-1969), 5638 Diesel(1965-1990), 5974 Diesel(1965-1990)
CB-987P	STD,10 Mack: 866 Diesel	CB-1120AL	STD.,25mm.,50mm.,75mm, 1.00mm Chry: 98(1971-1990), 107(1989-1992), 122(1984-1992), 144(1992-1992); DodTrk: 122(1984-1989), 144(1990-1992); Eagle: 98(1989-1990), 122(1989-1992), 144(1992-1992); Hyun: 1439(1984-1987), 1595(1992-1995), 1597(1985-1988), 1997(1985-1989), 235	CB-1201AL	STD,10 Alfa: 2492(1981-1989), 2959(1988-1995)
CB-988P	STD.,25mm.,50mm.,75mm NavInt: 198 Diesel(1976-1980); NisInd: 2164 Diesel(1963-1983), 3246 Diesel(1966-1990); NisMar: 3246 Diesel; NisTrk: 2164 Diesel(1981-1983), 2488 Diesel(1983-1986)	CB-1120P	Chry: 98(1971-1990), 107(1989-1992), 122(1984-1992), 144(1992-1992); DodTrk: 122(1983-1989), 144(1990-1992); Eagle: 98(1989-1990), 122(1989-1992), 144(1992-1992); Hyun: 1439(1984-1987), 1595(1992-1995), 1597(1985-1988), 1997(1985-1989), 235	CB-1202AL	STD.,25mm.,50mm Ren: 1470(1966-1970), 1565(1969-1985), 1647(1973-1983)
CB-992P	STD.,25mm.,50mm.,75mm, 1.00mm ToyInd: 1994(1967-1986); ToyTrk: 1994(1967-1982)	CB-1122P	STD.,25mm.,50mm.,75mm NisInd: 1138(1966-1978)	CB-1209AL	STD,10,20,30 MasFer: 354 Diesel; Perk: 354 Diesel; StksMar: 354 Diesel; WhiFarm: 354 Diesel
CB-994P	STD,10,20,30 Alc: 555 Diesel; Cummm: 555 Diesel; FordTrac: 555 Diesel	CB-1136P	10,20 Oliver: 283, 283 Diesel, 310 Diesel; Wauk: 283, 310, 283 Diesel, 310 Diesel	CB-1210P	STD,10,20,30 FordInd: 401 Diesel; FordTrac: 256 Diesel, 401 Diesel
CB-995M	STD,10,20 Wisc: 157	CB-1137P	STD,10,20,30 ChryMar: 122; Vol: 121(1973-1975), 130(1976-1985), 141(1983-1984), 182(1973-1975); VolPen: 121(1973-1975)	CB-1211AL	STD,10,20 Bendix: 33
CB-998P	STD,10,20,30 IntInd: 60; IntTrac: 60; PalMar: 60	CB-1138AL	STD,10,20 Fiat: 1756(1975-1978), 1995(1979-1982); Pininfarina: 1995(1983-1987)	CB-1213M	STD,10 Chry: 392(1957-1958)
CB-1005AL	STD.,25mm.,50mm.,75mm Ren: 1289(1976-1979), 1397(1980-1987)	CB-1168AL	STD.,30mm Peug: 2304 Diesel(1981-1984), 2498 Diesel(1985-1987)	CB-1214AL	STD,10,20,30,40 Chry: 225(1976-1983); ChryInd: 225(1976-1987); ChryMar: 170, 198, 225; DodTrk: 225(1976-1987)
CB-1009AL	STD,20 Fiat: 1592(1973-1974), 1756(1974-1974)	CB-1171P	STD.,25mm.,50mm BMW: 2494(1987-1995), 2693(1982-1988)	CB-1215P	STD,10,20,30,40 Cat: 636 Diesel; MasFer: 636 Diesel
CB-1015AL	STD,10,20,30 Saab: 1709(1969-1971), 1854(1971-1972); Tri: 1998(1975-1981)	CB-1173AL	STD.,25mm.,50mm Opel: 1698(1965-1972), 1897(1965-1975), 2490(1972-1977), 2784(1972-1981)	CB-1216AL	STD.,25mm.,50mm.,75mm GMC: 85(1976-1977), 98(1976-1987)
CB-1017P	STD.,25mm.,50mm.,75mm Audi: 1471(1973-1974), 1588(1975-1980), 1715(1981-1984), 2144(1978-1983); Chry: 105(1978-1983); DodTrk: 105(1982-1983); VW: 1457(1978-1980), 1471(1974-1975), 1588(1976-1980), 1715(1981-1984), 2144(1983-1983), 1471 Diesel(1977-1980); VWTrk:	CB-1175AL	STD.,25mm.,50mm.,75mm GMC: 110(1982-1986)	CB-1217P	STD.,25mm.,50mm.,75mm Sub: 1267(1972-1972), 1361(1973-1976), 1595(1976-1988), 1781(1980-1994); SubTrk: 1595(1976-1980), 1781(1981-1988)
CB-1018P	STD.,25mm BMW: 3453(1987-1988)	CB-1177P	STD.,25mm.,50mm.,75mm MbTrk: 346 Diesel(1965-1990), 5675 Diesel(1971-1976)	CB-1218P	STD.,25mm.,50mm.,75mm, 1.00mm Toy: 1858(1969-1971), 1968(1972-1974), 2189(1975-1980), 2366(1981-1985); ToyTrk: 1858(1969-1971), 1968(1972-1974), 2189(1975-1980), 2366(1981-1995)
CB-1026P	STD.,25mm.,50mm MBenz: 2307(1974-1978), 1988 Diesel(1972-1978), 2197 Diesel(1968-1973), 2399 Diesel(1979-1983), 2404 Diesel(1973-1978), 2998 Diesel(1976-1985), 3005 Diesel(1975-1976)			CB-1219G	STD.,25mm.,50mm.,75mm, 1.00mm ToyTrk: 3878(1969-1975), 4230(1975-1987)
CB-1027P	STD.,25mm MBenz: 2746(1973-1981)			CB-1220P	STD.,25mm.,50mm.,75mm, 1.00mm Chry: 122(1974-1979), 156(1978-1989); DodTrk: 122(1979-1982), 156(1979-1989), 143 Diesel(1983-1985); FordTrk: 140 Diesel(1985-1987); MazTrk: 2555(1987-1988); Mits: 2555(1983-1989); MitsTrk: 2555(1983-1989), 2346 Diesel(1983-1985)
CB-1044P	STD.,25mm.,50mm.,75mm IntTrac: 206, 155 Diesel, 179 Diesel, 239 Diesel, 310 Diesel, 358 Diesel			CB-1221M	STD,10,20,30 Bendix: 16
CB-1053P	STD.,25mm Deutz: 1884 Diesel, 2826 Diesel, 3768 Diesel, 4710 Diesel, 5652 Diesel			CB-1222P	STD.,25mm.,50mm.,75mm Hon: 1169(1973-1973), 1237(1974-1979), 1335(1980-1983)

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Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-1223P	STD,.25mm,.50mm,.75mm Hon: 1488(1975-1983), 1599(1976-1979), 1602(1982-1983), 1751(1979-1983)	CB-1263P	STD GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)	CB-1281P	STD GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1970-2000)
CB-1225AL	STD,10,20,30 Deere: 531 Diesel	CB-1264P	STD,1,10 GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)	CB-1282P	STD,1,10 GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1966-1998)
CB-1226P	STD,10,20,30,40 Cummm: 855, 743 Diesel, 855 Diesel	CB-1265P	STD,10,20,30,40 Clark: 159 Diesel, 212 Diesel; Coshttt: 212 Diesel; DetD: 106 Diesel, 159 Diesel, 212 Diesel; FordTrk: 159 Diesel(1973-1976); GMC Trk.: 159 Diesel(1967-1968); MilStd: 159 Diesel; Oliver: 212 Diesel	CB-1283A-.25mm .25mm,.50mm,.75mm	.25mm,.50mm,.75mm Ford: 232(1982-1995); FordTrk: 232(1982-1995)
CB-1227H	STD,1 GMC: 200(1978-1979), 229(1980-1984)	CB-1266P	STD,10,20,30,40 NavInt: 551 Diesel(1980-1988)	CB-1283P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm Ford: 232(1982-1995); FordTrk: 232(1982-1995)
CB-1227HX	STD GMC: 200(1978-1979), 229(1980-1984)	CB-1267P	STD,10,20,30 Deere: 466 Diesel; FMC: 466 Diesel; Komler: 466 Diesel; RosBrwn: 466 Diesel; SullCorp: 466 Diesel	CB-1285P	STD GMC: 2.0L, 2.5L, 2.7L, 3.0L, 3.3L
CB-1227P	STD,1,10,20,30,40 Checker: 229(1980-1980); GMC: 200(1978-1979), 229(1980-1984); GMC Trk.: 200(1978-1979), 229(1980-1984); MercMar: 229; OMC: 229	CB-1269P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm Chry: 135(1981-1994), 153(1986-1995); DodTrk: 135(1982-1988), 153(1987-1995)	CB-1286P	STD,.026mm,.25mm,.50mm,.75mm GMC Trk.: 379 Diesel(1982-1993), 395 Diesel(1992-2002); Hummer: 379 Diesel(1992-1993), 395 Diesel(1994-2002); Workhorse: 395 Diesel(2000-2002)
CB-1228P	STD,1,10,20,30,40 GMC: 181(1982-1988), 196(1978-1979), 204(1989-1990), 231(1977-1990), 252(1980-1984); GMC Trk.: 231(1978-1984)	CB-1270P	STD,.25mm,.50mm,.75mm,1.00mm Toy: 1588(1971-1979), 1770(1980-1982)	CB-1287P	STD,.25mm,.50mm,.75mm Nis: 1597(1987-1987), 1809(1984-1989), 1974(1982-1989), 2393(1982-1984), 1680 Diesel(1983-1986)
CB-1230P	STD,10,20,30,40 NavInt: 404(1975-1982), 446(1975-1981); PalMar: 404(1975-1982)	CB-1271P	STD GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)	CB-1288P	STD,10,20,30,40 DetD: 500 Diesel
CB-1231AL	STD,10,20,30 Deere: 276 Diesel, 414 Diesel	CB-1272P	STD,10 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)	CB-1298P	STD BMW: 2443 Diesel(1985-1986); Ford: 149 Diesel(1984-1985)
CB-1232AL	STD,25,50 Cat: 1191 Diesel, 1786 Diesel, 2382 Diesel	CB-1274P	STD GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)	CB-1302P	STD,.25mm Vol: 141(1985-1995)
CB-1236P	STD SupDie: 3575 Diesel, 4767 Diesel, 4948 Diesel, 6597 Diesel	CB-1275P	STD,1,10 GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)	CB-1307AL	STD,10,30 Perk: 540 Diesel, 605 Diesel
CB-1237P	STD,10,20,30 Case: 336 Diesel, 504 Diesel	CB-1276P	STD,.25mm,.50mm,.75mm Ford: 98(1981-1985), 116(1985-1986)	CB-1310AL	STD,.25mm AMC: 1965(1987-1987); Ren: 105(1985-1987), 1965(1987-1987)
CB-1238A-.25mm .25mm,.50mm,.75mm	.25mm,.50mm,.75mm GMC: 173(1980-1989), 189(1988-2003), 207(1991-2003); GMC Trk.: 173(1982-1993), 189(1990-1995), 207(1996-2003); IsuTrk: 2827(1989-1991), 3137(1991-1994); Jeep: 173(1984-1987)	CB-1278AL	STD,.25mm,.50mm,.75mm Chry: 86(1979-1984), 92(1985-1988); Hyun: 1468(1986-1990); Mits: 1468(1985-1988)	CB-1311AL	STD,.25mm Eagle: 132(1988-1989); Jeep: 126 Diesel(1985-1990); Peug: 2165(1985-1991); Ren: 2165(1984-1986)
CB-1238P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm GMC: 173(1980-1989), 189(1988-2003), 207(1991-2003); GMC Trk.: 173(1982-1993), 189(1990-1995), 207(1996-2003); IsuTrk: 2827(1989-1991), 3137(1991-1994); Jeep: 173(1984-1987)	CB-1279AL	STD,.25mm,.50mm,.75mm,1.00mm Ford: 81(1988-1997); Maz: 1272(1978-1978), 1415(1979-1980), 1489(1995-1998), 1490(1981-1985); MazTrk: 1272(1978-1978)	CB-1325AL	STD,.25mm,.50mm,.75mm ToyTrk: 2188 Diesel(1981-1983), 2446 Diesel(1984-1985)
CB-1239P	STD,10,20,30,40 Oliver: 155; Wauk: 155, 155 Diesel	CB-1280P	STD,.25mm,.50mm,.75mm,1.00mm Toy: 2253(1968-1972), 2563(1971-1980), 2759(1981-1984)	CB-1327P	STD,10,20,30,40 FordTrk: 420 Diesel(1983-1987), 444 Diesel(1988-1994); NavInt: 420 Diesel(1980-1988), 444 Diesel(1988-1995)
CB-1240P	STD,.25mm,.50mm ToyTrk: 2977 Diesel(1972-1988), 3168 Diesel(1977-1982)			CB-1328P	STD,10,20,30 Case: 207 Diesel
CB-1242P	STD,10 NavInt: 537(1978-1981)			CB-1332AL	STD,10,20 Bertone: 1498(1984-1989); Fiat: 1116(1971-1973), 1197(1966-1969), 1290(1972-1979), 1297(1975-1976), 1438(1968-1973), 1498(1979-1982); Yugo: 1116(1986-1989), 1301(1988-1992)
CB-1246P	STD,.25mm,.50mm,.75mm NisInd: 3298 Diesel(1978-1986), 3465 Diesel(1986-1986)			CB-1351P	STD,.026mm,.25mm,.50mm,.75mm GMC: 252(1982-1988), 273(1988-1992), 300(1991-1995)
CB-1250AL	STD,.25mm,.50mm,.75mm Maz: 1586(1970-1977); MazInd: 1985(1971-1979); MazTrk: 1586(1972-1976)			CB-1352P	STD,.25mm,.50mm,.75mm Toy: 1452(1980-1983), 1587(1983-1983)
CB-1261P	STD,.25mm,.50mm DodTrk: 243 Diesel(1978-1979); MitsInd: 2659 Diesel(1971-1991), 3988 Diesel(1970-1991)				
CB-1262AL	STD,10,25,50 Cat: 893 Diesel, 1099 Diesel, 1649 Diesel				

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Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-1353H	STD,.026mm,.25mm Hon: 1834(1990-2001)	CB-1385P	STD,.25mm,.50mm,.75mm Ford: 183(1986-2003); FordTrk: 183(1986-2003); MazTrk: 183(1994-2003)	CB-1437P	STD,.25mm,.50mm,.75mm, 1.00mm Toy: 2759(1984-1988), 2954(1987-1992)
CB-1353HX	STD Hon: 1834(1990-2001)	CB-1387P	STD,10,20,30 DodTrk: 239(1987-2002)	CB-1438AL	STD,.25mm,.50mm Toy: 1839 Diesel(1985-1990), 1974 Diesel(1985-1990)
CB-1353P	STD,.25mm,.50mm Acura: 1678(1992-1993), 1834(1990-2001); Hon: 1829(1983-1987), 1955(1985-1989), 1958(1988-1990)	CB-1388P	STD,.25mm,.50mm,.75mm GMC: 138(1987-1995); GMC Trk.: 138(1993-1996)	CB-1439P	STD,.25mm,.50mm Toy: 1998(1988-1995)
CB-1354P	STD,10,20,30,40 Alc: 426 Diesel	CB-1394P	STD,10,20,30 Intlnd: 360 Diesel	CB-1440P	STD,.25mm,.50mm,.75mm ToyTrk: 3956(1988-1992)
CB-1355P	STD,10,20,30,40 Alc: 200, 265, 301, 200 Diesel, 301 Diesel	CB-1398H	STD,1,10 GMC: 181(1982-1988), 196(1978-1979), 231(1978-1989), 252(1980-1984)	CB-1441P	STD,.25mm,.50mm FordTrk: 134 Diesel(1983-1984); MazTrk: 2209 Diesel(1982-1984)
CB-1356P	STD,.25mm,.50mm Deere: 619 Diesel	CB-1398HX	STD GMC: 181(1982-1988), 196(1978-1979), 231(1978-1989), 252(1980-1984)	CB-1442H	STD,.026mm,.25mm Ford: 281(1991-2004), 330(1997-2003), 415(1997-2004)
CB-1357P	STD,10,20,30,40 Cumm: 1150 Diesel	CB-1398V	STD,1,10 GMC: 181(1982-1988), 196(1978-1979), 231(1978-1989), 252(1980-1984)	CB-1442HX	STD Ford: 281(1991-2004), 330(1997-2003), 415(1997-2004)
CB-1358A-10	10,20,30 ChrisCft: 262; GMC: 262(1985-1993); GMC Trk.: 262(1985-2004); HardMar: 262; IsuTrk: 262(1997-2000); MercMar: 262; OMC: 262; ThermElec: 262; Workhorse: 262(2000-2003); Yam: 262	CB-1398VX	STD GMC: 181(1982-1988), 196(1978-1979), 231(1978-1989), 252(1980-1984)	CB-1442P	STD,.25mm,.50mm,.75mm Ford: 281(1991-2004); FordTrk: 281(1997-2004), 330(1997-2003), 415(1997-2004); GMC: 231(2004-2004)
CB-1358P	STD,1,10,20,30,40 ChrisCft: 262; GMC: 262(1985-1993); GMC Trk.: 262(1985-2004); HardMar: 262; IsuTrk: 262(1997-2000); MercMar: 262; OMC: 262; ThermElec: 262; Workhorse: 262(2000-2003); Yam: 262	CB-1401AL	STD,.25mm,.50mm,.75mm GMC: 61(1985-2000), 79(1992-1999); Suz: 993(1985-1993), 1298(1989-1998); SuzTrk: 993(1985-1985), 1298(1989-1995), 1324(1986-1989)	CB-1443P	STD,10,20,30 GMC: 204(1991-1993), 231(1990-2004); GMC Trk.: 231(1992-1995)
CB-1359P	STD,.25mm,.50mm,.75mm ToyTrk: 2188 Diesel(1982-1983), 2446 Diesel(1984-1985)	CB-1403AL	STD,.25mm,.50mm Toy: 1839 Diesel(1984-1985), 1974 Diesel(1986-1986)	CB-1445AL	STD,10,20 DbTrac: 164, 219
CB-1361P	STD,.25mm,.50mm,.75mm GMC: 98(1985-1988); Toy: 1452(1983-1988), 1587(1983-1997)	CB-1405AL	STD,.25mm,.50mm,.75mm Daih: 547(1976-1986), 617(1982-1985), 843(1982-1990), 993(1977-1992)	CB-1447P	STD,10,20,40 Listr: 39 Diesel, 77 Diesel, 116 Diesel
CB-1362AL	STD,.25mm,.50mm,.75mm Ford: 134(1989-1992), 122 Diesel(1984-1987); KiaTrk: 1998(1995-1995); Maz: 1998(1983-1987), 2184(1988-1992), 1998 Diesel(1984-1985); MazTrk: 1998(1986-1987), 2184(1987-1993)	CB-1406AL	STD,.25mm,.50mm Toy: 1995(1983-1986), 1998(1986-1991); ToyTrk: 1998(1996-1998)	CB-1448P	STD,10 Listr: 128 Diesel, 192 Diesel, 255 Diesel, 383 Diesel
CB-1364P	STD,.25mm MazTrk: 2977 Diesel(1977-1990), 3455 Diesel(1984-1990)	CB-1407AL	STD,.25mm,.50mm,.75mm ToyTrk: 1998(1984-1985), 2237(1986-1990)	CB-1449P	STD,.25mm,.50mm,.75mm GMC: 111 Diesel(1981-1986); Isu: 1817 Diesel(1981-1984)
CB-1365P	STD,10,20,30 IntTrac: 466 Diesel; NavInt: 466 Diesel(1984-1993)	CB-1408P	STD,.25mm,.50mm,.75mm GMC: 122(1987-1994); Passpt: 122(1989-1990)	CB-1450P	STD,.25mm,.50mm,.75mm IsuTrk: 2499 Diesel(1985-1990), 2771 Diesel(1985-1990)
CB-1366P	STD,10 GMC: 260 Diesel(1982-1985); GMC Trk.: 260 Diesel(1982-1983)	CB-1409P	STD,.25mm,.50mm,.75mm, 1.00mm Case: 505 Diesel; Cumm: 505 Diesel	CB-1451AL	STD,.25mm,.50mm GMC: 98(1988-1993)
CB-1369P	STD,10 Alc: 344 Diesel, 516 Diesel; Buda: 344 Diesel, 516 Diesel	CB-1410P	STD,.25mm,.50mm,.75mm Chry: 201(1990-1997), 215(1993-1997), 230(1991-1993); DodTrk: 201(1990-2002), 230(1994-2005); Eagle: 201(1993-1997), 215(1993-1997)	CB-1452AL	STD,.25mm,.50mm,.75mm Suz: 797(1977-1990), 970(1982-1990); SuzTrk: 970(1982-1985)
CB-1372P	STD Cat: 893 Diesel	CB-1411P	STD,.25mm,.50mm,.75mm Chry: 181(1988-2003), 2497(1995-2000); DodTrk: 181(1987-2000); Hyun: 2972(1989-1998); Mits: 2497(1995-1995), 2972(1988-2001); MitsTrk: 2972(1989-2001)	CB-1453AL	STD,.25mm,.50mm,.75mm Ford: 98(1987-1994), 112(1991-1996); Kia: 1597(1994-1997), 1794(1998-2003), 1839(1995-1997); Maz: 1597(1986-1995), 1839(1990-1997)
CB-1378P	STD,.25mm Cont: 123, 164, 1342, 4019, 123 Diesel, 164 Diesel, 1342 Diesel, 4019 Diesel	CB-1413P	STD,.25mm,.50mm,.75mm Case: 180 Diesel, 239 Diesel, 359 Diesel; Cumm: 180 Diesel, 239 Diesel, 359 Diesel; DodTrk: 359 Diesel(1989-2003)	CB-1455AL	STD,.25mm,.50mm,.75mm KiaTrk: 1998(1995-2002); MazTrk: 2606(1989-1994)
CB-1379P	STD,10,20,30 Mack: 672 Diesel	CB-1426P	STD,.25mm,.50mm Audi: 1780(1984-1987), 1984(1988-1991), 2144(1984-1986), 2226(1984-1995), 2309(1988-1992), 1588 Diesel(1982-1983), 1986 Diesel(1979-1985); VW: 1780(1983-1992), 1984(1990-1999), 2144(1984-1984), 2226(1985-1988), 1588 Diesel(1981-1992); VWTrk	CB-1456P	STD,.25mm,.50mm Acura: 2156(1997-1997); Hon: 1958(1988-1991), 2056(1990-1991), 2156(1990-1997), 2259(1992-1996); HonTrk: 2156(1995-1997)
CB-1380P	STD,.052mm,.25mm,.50mm, .75mm Ford: 116(1987-1996), 122(1997-2004)	CB-1434P	STD,10,20,30 MercMar: 224	CB-1457P	STD,.25mm Acura: 2494(1986-1987), 2675(1987-1990); Hon: 2675(1995-1997); Sterl: 2494(1987-1988), 2675(1988-1991)
CB-1381P	STD,10,20,30 Wauk: 3560 Diesel, 5340 Diesel	CB-1435P	STD,.25mm,.50mm,.75mm Ford: 183(1989-1995), 195(1993-1995)	CB-1458P	STD,.25mm,.50mm Hon: 1342(1987-1987)
CB-1382P	STD,.25mm,.50mm,.75mm Cumm: 611 Diesel, 661 Diesel			CB-1459P	STD,.25mm,.50mm Hon: 1488(1984-1987), 1493(1988-1995)
CB-1383P	STD,10,20,30 Ford: 140(1986-1994), 153(1986-1991)			CB-1460P	STD,.25mm,.50mm Hon: 1598(1983-1990)

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Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-1461P	STD,.25mm,.50mm Acura: 1590(1986-2000); Hon: 1590(1988-2000); HonTrk: 1972(1997-2001)	CB-1595P	STD,.25mm,.50mm,.75mm Toy: 1345(1967-1978); ToyInd: 1345(1967-1978), 1493(1967-1992); ToyTrk: 1345(1967-1975), 1493(1972-1978)	CB-1638P	STD,10,20,30 FordTrac: 401 Diesel(1986-1997), 476 Diesel(1987-1997); FordTrk: 401 Diesel(1986-1995), 474 Diesel(1987-1995)
CB-1463P	STD,.25mm,.50mm NisInd: 2663 Diesel(1986-1990)	CB-1596P	STD,10,20,30,40 Alc: 142 Diesel, 213 Diesel, 284 Diesel, 426 Diesel; Deere: 426 Diesel; DetD: 142 Diesel, 213 Diesel, 284 Diesel, 426 Diesel; MasFer: 213 Diesel; MilStd: 426 Diesel; Oliver: 213 Diesel	CB-1639P	STD,.25mm,.50mm Toy: 2164(1990-1998)
CB-1464AL	STD,.25mm,.50mm ToyTrk: 2977 Diesel(1984-1988), 3431 Diesel(1980-1989)	CB-1598P	STD,10,20 Mack: 728 Diesel	CB-1643P	STD,.25mm,.50mm Chry: 122(1992-1994), 144(1992-1994); DodTrk: 144(1992-1993); Eagle: 122(1992-1998), 144(1992-1996); Hyun: 1997(1992-1998); Mits: 1997(1992-1997), 2351(1994-1997); MitsTrk: 2351(1989-1997)
CB-1465P	STD,10,20 Jag: 2483(1955-1967), 3442(1948-1967), 3781(1958-1967), 4235(1964-1987)	CB-1599P	STD,10,20 Cat: 318 Diesel	CB-1647P	STD,.25mm,.50mm,.75mm GMC: 146(1996-2002)
CB-1466P	STD Jag: 5343(1971-1992)	CB-1616P	STD,10,20 Cumm: 855 Diesel	CB-1648P	STD,.25mm,.50mm,.75mm GMC: 244(1995-2002), 281(1993-2005); GMC Trk.: 281(2004-2005)
CB-1467AL	.25mm,.50mm Sub: 1781(1985-1994)	CB-1617M	STD Briggs:	CB-1652P	STD,.25mm,.50mm Ford: 122(1993-1997); Maz: 1991(1993-2002)
CB-1469P	STD,.25mm,.50mm Sub: 997(1983-1990), 1189(1987-1994)	CB-1618P	STD,.25mm,.50mm Komatsu: 12840 Diesel(1971-1994), 19260 Diesel(1971-1979)	CB-1653P	STD,.25mm,.50mm Ford: 153(1993-1997); Maz: 2254(1995-1996), 2497(1993-1998), 2954(1990-1995)
CB-1470AL	STD,.25mm Sub: 2672(1988-1991)	CB-1619P	STD,10,20 Cumm: 2301 Diesel, 3068 Diesel	CB-1654P	STD,.25mm,.50mm,.75mm, 1.00mm GMC Trk.: 119(1982-1985), 1817(1972-1982); Isu: 1817(1981-1985), 1949(1983-1987), 1994(1985-1989), 2254(1987-1989); IsuTrk: 1817(1981-1982), 1949(1983-1987), 2254(1986-1995); Opel: 1817(1976-1979)
CB-1471AL	STD,.25mm,.50mm Toy: 1290(1983-1984)	CB-1620P	STD,.25mm,.50mm Cat: 268 Diesel, 403 Diesel, 442 Diesel	CB-1655P	STD,.25mm Inf: 4130(1997-1998), 4494(1990-1996)
CB-1472AL	STD,.25mm,.50mm ToyTrk: 2446 Diesel(1985-1987)	CB-1621P	STD,25 Cat: 2115 Diesel, 3173 Diesel, 3948 Diesel	CB-1656AL	STD,.25mm,.50mm,.75mm LexTrk: 4476(1996-1997); ToyTrk: 4476(1993-1997)
CB-1474P	STD,.25mm,.50mm GMC: 98(1988-1997); Toy: 1587(1987-1991)	CB-1622P	STD,25,50 Cat: 893 Diesel	CB-1657AL	STD,.25mm,.50mm Sub: 1820(1993-1997), 2212(1990-2001)
CB-1476AL	STD ToyTrk: 2977 Diesel(1988-1990), 3431 Diesel(1986-1990)	CB-1623P	STD,.25mm,.50mm Sat: 116(1991-2002)	CB-1658AL	STD,.25mm Daih: 1295(1989-1992), 1296(1989-1993); DaihTrk: 1589(1989-1995)
CB-1477AL	STD,.25mm,.50mm,.75mm GMC Trk.: 97(1989-2002); Suz: 1590(1995-1998); SuzTrk: 1590(1989-1998)	CB-1624P	STD,.25mm,.50mm Mack: 335 Diesel, 377 Diesel	CB-1659P	STD,10,20 DetD: 530(1995-2001), 466 Diesel(1995-2001), 530 Diesel(1995-2001); NavInt: 466(1997-1998), 408 Diesel(1994-1997), 466 Diesel(1994-2000), 530 Diesel(1995-1999); Perk: 466 Diesel, 530 Diesel
CB-1478P	STD,.25mm,.50mm GMC: 92(1985-1989), 98(1990-1993); Isu: 1471(1985-1989), 1588(1989-1993)	CB-1625P	STD,.25mm,.50mm ToyTrk: 2958(1988-1995)	CB-1662P	STD,10,20 DetD: 677, 677 Diesel, 778 Diesel
CB-1479P	STD,.25mm,.50mm Hon: 1342(1984-1986)	CB-1627P	STD,.25mm Lex: 3969(1990-1998)	CB-1663H	STD,1,10 Custom Performance:
CB-1480AL	STD,.25mm,.50mm HonTrk: 2559(1994-1996); IsuTrk: 2559(1988-1997)	CB-1628H	STD,.25mm Toy: 2997(1993-1998)	CB-1663HK	STD,1 Custom Performance:
CB-1498P	STD Jag: 3590(1988-1989)	CB-1628P	STD,.25mm Lex: 2997(1992-1998); Toy: 2997(1993-1998)	CB-1663HX	STD Custom Performance:
CB-1512M	STD Chry: 426(1963-1971)	CB-1629P	STD,.25mm Inf: 1998(1991-1996); Nis: 1998(1991-1998)	CB-1663HXX	STD Custom Performance:
CB-1512V	STD,10 Chry: 426(1963-1971)	CB-1630P	STD,.25mm UD Truck: 6925 Diesel(1980-1998)	CB-1663V	STD,1 Custom Performance:
CB-1588AL	STD,.25mm,.50mm Chry: 92(1988-1994); Eagle: 92(1989-1996); Hyun: 1468(1990-1994); Mits: 1468(1988-1998)	CB-1631P	STD,10,20,30 Cumm: 352 Diesel, 378 Diesel, 470 Diesel, 504 Diesel	CB-1663VX	STD Custom Performance:
CB-1589P	STD,.25mm,.50mm Nis: 2389(1989-2001); NisTrk: 2389(1989-2002)	CB-1632P	STD,10,20,30 Alc: 779, 844 Diesel	CB-1664H	STD,1 Custom Performance:
CB-1590P	STD,.25mm,.50mm Nis: 1488(1982-1984), 1597(1983-1998)	CB-1633P	STD,10,20,30,40 FordTrk: 444 Diesel(1994-2003); MercMar: 444 Diesel; NavInt: 444 Diesel(1994-1999)	CB-1664HK	STD,1 Custom Performance:
CB-1591P	STD,.25mm,.50mm FordTrk: 2960(1993-1998), 3275(1999-2002); Inf: 2960(1990-1997); InfTrk: 3275(1997-1998); Nis: 2960(1984-1996); NisTrk: 2960(1986-1998), 3275(1996-2000)	CB-1634P-.25mm	.25mm,.50mm Ford: 281(1991-2004); FordTrk: 281(1997-2004), 330(1997-2003), 415(1997-2004)	CB-1664HX	STD Custom Performance:
CB-1592AL	STD,.25mm,.50mm Maz: 2954(1988-1991); MazTrk: 2954(1989-1998)	CB-1635H	STD,.026mm,.25mm Chry: 2.0L(1995-2004)	CB-1664HX	STD Custom Performance:
CB-1593AL	STD,.25mm,.50mm Toy: 1456(1987-1994), 1497(1992-1998)	CB-1635HX	STD Chry: 2.0L(1995-2004)		
CB-1594P	STD,.25mm,.50mm Lex: 2507(1990-1991); Toy: 1992(1987-1995), 2507(1988-1991)	CB-1635P	STD,.25mm,.50mm Chry: 122(1995-2003); Eagle: 122(1995-1998); Mits: 122(1995-1999)		

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Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-1664HXX	STD Custom Performance:	CB-1777P	STD,.25mm,.50mm Hon: 1595(1994-2000)	CB-1791P-.25mm	.25mm,.50mm,.75mm GMC: 146(1996-2002)
CB-1665HD	STD,1 Custom Performance:	CB-1778A-10	10,20,30 CommMar: 302; DearbMar: 289, 302; Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1964-1968), 302(1968-1995); FordInd: 302(1968-1993); FordMar: 221, 260, 289, 302; FordTrk: 255(1981-1982), 260(1964-1964), 289(1965-1968), 302(1968-	CB-1792P	STD,.25mm,.50mm DetD: 677, 677 Diesel, 778 Diesel
CB-1665HDK	STD,1 Custom Performance:	CB-1778P-10	10,20,30,40 CommMar: 302; DearbMar: 289, 302; Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-1995); FordInd: 302(1968-1993); FordMar: 221, 260, 289, 302; FordTrk: 255(1981-1982), 260(1964-1964), 289(1965-1968), 302(1968-	CB-1793P-.25mm	.25mm,.50mm,.75mm Ford: 1989(1995-2003); FordTrk: 1989(2001-2003); MazTrk: 1989(2001-2003)
CB-1665HXD	STD Custom Performance:	CB-1779P-10	10,20,30,40 Chry: 273(1964-1969), 277(1956-1957), 301(1956-1957), 303(1956-1956), 318(1957-1989), 326(1959-1959), 340(1968-1973), 360(1971-1980), 488(1994-2002); ChryInd: 318; ChryMar: 273, 318, 340, 360; DodTrk: 273(1964-1968), 313(1958-1965), 318/195	CB-1794A-10	10,20,30 ChrisCft: 262; GMC: 262(1985-1993); GMC Trk.: 262(1985-2004); HardMar: 262; IsuTrk: 262(1997-2000); MercMar: 262; OMC: 262; ThermElec: 262; Workhorse: 262(2000-2003); Yam: 262
CB-1665HXDK	STD Custom Performance:	CB-1780H	STD,.25mm Hon: 2157(1993-2001)	CB-1794P-10	10,20,30,40 ChrisCft: 262; GMC: 262(1985-1993); GMC Trk.: 262(1985-2004); HardMar: 262; IsuTrk: 262(1997-2000); MercMar: 262; OMC: 262; ThermElec: 262; Workhorse: 262(2000-2003); Yam: 262
CB-1667A-.25mm	.25mm,.50mm,.75mm Ford: 232(1996-2004), 238(2004-2004); FordTrk: 232(1996-2003), 238(2004-2004), 256(1997-2005)	CB-1780HX	STD Hon: 2157(1993-2001)	CB-1795P-10	10,20,30,40 Ford: 159(1972-1973), 171(1974-1979), 1498(1963-1970), 1699(1963-1975), 2551(1970-1976), 2900(1988-1990); FordTrk: 171(1983-1986), 177(1986-1992), 244(1990-2003); MazTrk: 4016(1991-2001); Saab: 1498(1967-1970)
CB-1667P	STD,.026mm,.25mm,.50mm,.75mm Ford: 232(1996-2004), 238(2004-2004); FordTrk: 232(1996-2003), 238(2004-2004), 256(1997-2005)	CB-1780P	STD,.25mm,.50mm Hon: 2157(1993-2001)	CB-1796A-.25mm	.25mm,.50mm,.75mm Ford: 232(1982-1995); FordTrk: 232(1982-1995)
CB-1668P	STD,.25mm,.50mm Chry: 148(1995-2004); DodTrk: 148(1996-2004)	CB-1781AL	STD,.25mm,.50mm ToyTrk: 2438(1995-2001)	CB-1796P-.25mm	.25mm,.50mm,.75mm Ford: 232(1982-1995); FordTrk: 232(1982-1995)
CB-1669P	STD,.25mm,.50mm Chry: 197(1998-2001), 215(1999-2005)	CB-1782AL	STD,.25mm,.50mm Chry: 112(1992-1994); Eagle: 112(1992-1996); Mits: 1834(1993-2001); MitsTrk: 1834(1992-1994)	CB-1797A-.25mm	.25mm,.50mm,.75mm GMC: 173(1980-1989), 189(1988-2003), 207(1991-2003); GMC Trk.: 173(1982-1993), 189(1990-1995), 207(1996-2003); IsuTrk: 2827(1989-1991), 3137(1991-1994); Jeep: 173(1984-1987)
CB-1670P	STD,.25mm,.50mm,.75mm Chry: 167(1998-2005)	CB-1783P	STD,.25mm,.50mm Toy: 2496(1988-1995), 2959(1992-1993); ToyTrk: 3378(1995-1998)	CB-1797P-.25mm	.25mm,.50mm,.75mm GMC: 173(1980-1989), 189(1988-2003), 207(1991-2003); GMC Trk.: 173(1982-1993), 189(1990-1995), 207(1996-2003); IsuTrk: 2827(1989-1991), 3137(1991-1994); Jeep: 173(1984-1987)
CB-1772P	STD,.25mm,.50mm,.75mm Ford: 155(1995-2002), 181(1996-2004), 207(1996-1999); FordTrk: 181(2001-2003); MazTrk: 181(2001-2003)	CB-1784P	STD,.25mm,.50mm DodTrk: 287(2000-2005); Jeep: 287(1999-2005)	CB-1798H	STD,1 Custom Performance:
CB-1773P	STD,.25mm Komatsu: 674 Diesel	CB-1785H	STD,.25mm Hon: 1797(1994-2001)	CB-1798HK	STD,1 Custom Performance:
CB-1774H	STD,.026mm,.25mm Ford: 1989(1995-2003); Maz: 1989(2001-2003)	CB-1785HK	STD,.25mm Hon: 1797(1994-2001)	CB-1798HX	STD Custom Performance:
CB-1774HX	STD Ford: 1989(1995-2003); Maz: 1989(2001-2003)	CB-1785HX	STD Hon: 1797(1994-2001)	CB-1798HXX	STD Custom Performance:
CB-1774P	STD,.25mm,.50mm,.75mm Ford: 1989(1995-2003); FordTrk: 1989(2001-2003); MazTrk: 1989(2001-2003)	CB-1785HXX	STD Hon: 1797(1994-2001)	CB-1798V	STD,1 Custom Performance:
CB-1775H	STD,1 Custom Performance:	CB-1785HXX	STD Hon: 1797(1994-2001)	CB-1798VX	STD Custom Performance:
CB-1775HK	STD,1 Custom Performance:	CB-1785P	STD,.25mm,.50mm Acura: 1797(1994-2001)	CB-1799P-10	10,20,30,40 Ford: 240(1965-1972); FordInd: 240(1965-1974), 300(1965-1993); FordMar: 240, 300; FordTrk: 240(1965-1974), 300(1965-1996); OscoMar: 300
CB-1775HX	STD Custom Performance:	CB-1786AL	STD,.25mm,.50mm GMC: 108(1993-1999); Toy: 1762(1993-1997)	CB-1800P-10	10,20,30,40 GMC: 181(1982-1988), 196(1978-1979), 204(1989-1990), 231(1977-1990), 252(1980-1984); GMC Trk.: 231(1978-1984)
CB-1775HXX	STD Custom Performance:	CB-1787P-.25mm	.25mm,.50mm Chry: 167(1998-2005)		
CB-1776A-10	10,20,30 Checker: 267(1980-1980), 305(1978-1980), 307(1968-1969), 327(1968-1969), 350(1969-1979); ChrisCft: 181, 302, 305, 307, 327, 350; FlagMar: 305, 307, 327, 350; GMC: 262(1975-1976), 265(1994-1996), 267(1979-1982), 302(1968-1969), 305(1976-1993)	CB-1788P-.25mm	.25mm,.50mm Chry: 122(1995-2003); Eagle: 122(1995-1998); Mits: 122(1995-1999)		
CB-1776P-10	10,20,30,40 Checker: 267(1980-1980), 305(1978-1980), 307(1968-1969), 327(1968-1969), 350(1969-1979); ChrisCft: 181, 302, 305, 307, 327, 350; FlagMar: 305, 307, 327, 350; GMC: 262(1975-1976), 265(1994-1996), 267(1979-1982), 302(1968-1969), 305(1976-1993)	CB-1790A-.25mm	.25mm,.50mm,.75mm Ford: 232(1996-2004), 238(2004-2004); FordTrk: 232(1996-2003), 238(2004-2004), 256(1997-2005)		
CB-1777H	STD,.25mm Hon: 1595(1994-1997)	CB-1790P-.25mm	.25mm,.50mm,.75mm Ford: 232(1996-2004), 238(2004-2004); FordTrk: 232(1996-2003), 238(2004-2004), 256(1997-2005)		
CB-1777HX	STD Hon: 1595(1994-1997)				

NUMERICAL LISTING OF CLEVITE 77 CONNECTING ROD BEARINGS

Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-1801P-10	10,20,30,40 ChrisCft: 427; DearbMar: 390(1964-1971), 427(1964-1969); Ford: 332(1958-1959), 352(1958-1967), 361(1958-1959), 390(1961-1971), 410(1966-1967), 427(1968-1968), 428(1966-1970); FordInd: 330(1964-1978), 360(1964-1978), 361(1964-1978), 390(1964)	CB-1810P-.25mm	.25mm,.50mm GMC Trk.: 403 Diesel(2001-2004); Workhorse: 403 Diesel(2004-2004)	CB-1827H	STD,1,10 GMC: 134(2000-2005)
		CB-1811P	STD,10,20 GMC Trk.: 254(2002-2005); IsuTrk: 254(2003-2005); Saab Truck: 254(2005-2005)	CB-1827HX	STD GMC: 134(2000-2005)
		CB-1812P	STD,10,20 GMC: 212(1999-2002)	CB-1828AL-10	10,20,30 GMC: 134(2002-2005); Sat: 134(2002-2005); Saturn Truck: 134(2002-2005)
CB-1802P-10	10,20,30 CommMar: 460; Ford: 429(1968-1973), 460(1968-1978); FordInd: 370(1979-1991), 429(1979-1993), 460(1973-1993); FordMar: 429(1968-1973), 460(1968-1978); FordTrk: 370(1979-1991), 429(1970-1998), 460(1973-1998); HardMar: 460; HolMdyMar: 460(1968)	CB-1813H	STD,.026mm,.25mm Chry: 148(1995-2004)	CB-1829P	STD,.25mm,.50mm Hyun: 1495(1994-1999)
		CB-1813HX	STD Chry: 148(1995-2004)	CB-1830P	STD,.25mm,.50mm AcuraTrk: 3165(1996-1997); HonTrk: 3165(1994-2002); IsuTrk: 3165(1992-2002), 3494(1998-2002)
		CB-1813P	STD,.25mm,.50mm Chry: 148(1995-2004); DodTrk: 148(1996-2004)	CB-1831P	STD,.25mm,.50mm Maz: 1844(1992-1994)
CB-1803A-10	10,20,30 CommMar: 351; DearbMar: 351; Ford: 351(1969-1995); FordInd: 351(1969-1993); FordMar: 351; FordTrk: 351(1969-1998); GlasMar: 351; HolMdyMar: 351; IndMar: 351; MercMar: 351; OMC: 351; OscoMar: 351; PalMar: 351; PleasCft: 351; ThermElec: 351;	CB-1814P	STD,.25mm,.50mm,.75mm FordTrk: 363 Diesel(2003-2004)	CB-1832P	STD,.25mm,.50mm Mits: 3497(1997-2002); MitsTrk: 3497(1994-2002)
		CB-1815P-.25mm	.25mm,.50mm,.75mm FordTrk: 363 Diesel(2003-2004)	CB-1833P	STD,.25mm,.50mm Lex: 2995(1994-2002); LexTrk: 2995(1999-2002); Toy: 2995(1994-2002); ToyTrk: 2995(1998-2002)
CB-1803P-10	10,20,30,40 CommMar: 351; DearbMar: 351; Ford: 351(1969-1995); FordInd: 351(1969-1993); FordMar: 351; FordTrk: 351(1969-1998); GlasMar: 351; HolMdyMar: 351; IndMar: 351; MercMar: 351; OMC: 351; OscoMar: 351; PalMar: 351; PleasCft: 351; ThermElec: 351;	CB-1816P-10	10,20 GMC Trk.: 254(2002-2005); IsuTrk: 254(2003-2005)	CB-1835AL	STD,.25mm,.50mm Scion: 2362(2005-2005); Toy: 2362(2002-2005); ToyTrk: 2362(2001-2005)
		CB-1817P-.25mm	.25mm,.50mm Chry: 148(1995-2004); DodTrk: 148(1996-2004)	CB-1836P	STD,.25mm,.50mm DetD: 677, 677 Diesel, 778 Diesel
		CB-1818P	STD,.25mm,.50mm DodTrk: 226(2002-2005); Jeep: 226(2002-2005)	CB-1838AL	STD,.25mm,.50mm Ford: 2261(2003-2005); FordTrk: 2261(2003-2005); Maz: 2261(2003-2005); MazTrk: 2261(2005-2005)
CB-1804P-.25mm	.25mm,.50mm DodTrk: 287(2000-2005); Jeep: 287(1999-2005)	CB-1819P-.25mm	.25mm,.50mm DodTrk: 226(2002-2005); Jeep: 226(2002-2005)	CB-1839AL-.25mm	.25mm,.50mm Ford: 2261(2003-2005); FordTrk: 2261(2003-2005); Maz: 2261(2003-2005); MazTrk: 2261(2005-2005)
CB-1805P	STD,.25mm,.50mm GMC Trk.: 403 Diesel(2001-2004); Workhorse: 403 Diesel(2004-2004)	CB-1820P-10	10,20 GMC: 212(1999-2002)	CB-1840AL	STD,.25mm,.50mm Ford: 121(2004-2005)
CB-1806P-10	10,20,30 GMC: 204(1991-1993), 231(1990-2004); GMC Trk.: 231(1992-1995)	CB-1821P	STD,.25mm,.50mm Audi: 1781(1997-2000); VW: 1781(1998-2002)	CB-1841AL-.25mm	.25mm,.50mm Ford: 121(2004-2005)
CB-1807AL	STD,.25mm,.50mm ToyInd: 2771	CB-1822P	STD,.25mm,.50mm VW: 1896 Diesel(1993-2002)		
CB-1808P	STD,.25mm,.50mm Chry: 345(2005-2005); DodTrk: 345(2003-2005); Jeep: 345(2005-2005)	CB-1823P	STD,.25mm Audi: 2771(1998-1999); VW: 2771(1998-2000)		
CB-1809P-.25mm	.25mm,.50mm Chry: 345(2005-2005); DodTrk: 345(2003-2005); Jeep: 345(2005-2005)	CB-1824AL	STD,.25mm VW: 2792(1992-1999)		
		CB-1825P	STD,.25mm,.50mm Vol: 142(1994-2002), 149(1993-2002), 178(1992-1999)		
		CB-1827AL	STD,10,20,30 GMC: 134(2002-2005); Sat: 134(2000-2003); Saturn Truck: 134(2002-2003)		

NUMERICAL LISTING OF CLEVITE 77 MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-17P	STD, .50mm MBenz: 2307(1974-1978), 1988 Diesel(1972-1978), 2197 Diesel(1968-1973), 2399 Diesel(1979-1979), 2404 Diesel(1973-1978)	MS-195P-10	10,20 DearbMar: 312(1956-1960); Ford: 312(1956-1960); FordMar: 312(1956-1960)	MS-349P	STD,10,20 Oliver: 231, 265, 302, 231 Diesel, 265 Diesel; Wauk: 265, 302, 320, 265 Diesel
Contents:		Contents:	(1)MB-1718P(F) (4)MB-1717P	Contents:	(1)MB-1644P(F) (3)MB-1643P
MS-107P	STD,10,20 Chry: 218(1938-1954), 237(1942-1950), 251(1942-1954), 265(1951-1954); ChryInd: 237, 251, 265; ChryMar: 251, 265; Cosht: 237, 251; DodTrk: 242(1938-1941), 251(1942-1968), 265(1953-1960); MasFer: 237, 251, 265; MilStd: 265; MinMol: 251, 265;	MS-197P	STD,10,20,30,40 GMC: 235(1955-1962); GMC Trk.: 235(1955-1962), 261(1955-1962)	MS-381P-20	20 Cont: 162
Contents:	(1)MB-328P(F) (3)MB-327P	Contents:	(1)MB-1721P (1)MB-1722P (1)MB-1723P(F) (1)MB-1724P	Contents:	(1)MB-1226P (1)MB-1682P (1)MB-1686P(F)
MS-109P	STD,10,20 Ford: 239(1948-1953), 255(1949-1953); FordInd: 239(1949-1953); FordTrk: 239(1948-1953); MilStd: 239	MS-202P	STD,10,20,30 Cont: 134, 145; MasFer: 134, 145	MS-399P	STD,10,20,30 Alc: 175 Diesel; Buda: 175 Diesel
Contents:	(1)MB-1183P(F) (2)MB-352P	Contents:	(1)MB-1370P (1)MB-1636P (1)MB-1768P(F)	Contents:	(1)MB-1669P (1)MB-1671P(F) (1)MB-1681P (2)MB-1670P
MS-115P	STD,10,20,30,40,50 Jeep: 134(1939-1973); KaisFraz: 134(1951-1953); MilStd: 134	MS-209P	STD,10,20,30 Alc: 226; Roil: 176 Diesel, 201 Diesel, 226 Diesel	MS-400P-10	10 AMC: 250(1958-1961), 287(1963-1966), 327(1957-1966); Jeep: 327(1965-1970)
Contents:	(1)MB-883P(F) (1)MB-884P (1)MB-885P	Contents:	(1)MB-366P(F) (2)MB-367P	Contents:	(1)MB-1780P(F) (4)MB-1781P
MS-120P	STD,10,2,20,30,40 FerTrac: 120(1939-1947); FordInd: 120(1941-1942); FordTrac: 120; FordTrk: 120(1941-1942)	MS-211P	STD,10,20,30 Alc: 116, 125	MS-405P	STD,10,20,30 Oliver: 129, 144, 155, 129 Diesel, 144 Diesel, 155 Diesel; Wauk: 125, 129, 144, 155, 129 Diesel, 144 Diesel, 155 Diesel
Contents:	(1)MB-948P(F) (2)MB-947P	Contents:	(1)MB-891P(F) (2)MB-892P	Contents:	(1)MB-1786P(F) (2)MB-1629P
MS-154P	STD,10,2,20 IntInd: 152; IntTrac: 152; MilStd: 152	MS-226P	STD,10,20,30 Alc: 153, 182, 153 Diesel; Buda: 153, 182, 153 Diesel	MS-406P	STD,10,20,30 Cosht: 194, 194 Diesel; Oliver: 194, 216, 232, 194 Diesel, 216 Diesel; Wauk: 194, 216, 232, 194 Diesel, 216 Diesel, 232 Diesel
Contents:	(1)MB-1061P(F) (2)MB-1060P	Contents:	(1)MB-1669P (1)MB-1671P(F) (1)MB-1681P	Contents:	(1)MB-1786P(F) (3)MB-1629P
MS-155P	STD,10,20 IntInd: 248; IntTrac: 248	MS-227P	STD,10,20,30 Alc: 230, 262, 273, 230 Diesel, 262 Diesel, 273 Diesel; Buda: 230, 262, 273, 230 Diesel, 262 Diesel, 273 Diesel; Cosht: 230	MS-411P-10	10 GMC: 365(1956-1958), 390(1959-1962)
Contents:	(1)MB-1063P(F) (2)MB-1062P	Contents:	(1)MB-1669P (1)MB-1671P(F) (1)MB-1681P (4)MB-1670P	Contents:	(1)MB-1792P(F) (4)MB-1791P
MS-176P-10	10,20,30 Case: 140; Clark: 162; Cont: 124, 140, 162; Cosht: 140; GrayMar: 140, 162; MasFer: 124, 140, 162; Oliver: 140, 162	MS-256C-10	10 Cont: 50, 56, 62; MasFer: 62	MS-426M	STD Chry: 392(1957-1958)
Contents:	(1)MB-1403P (1)MB-1403W (1)MB-1405P (1)MB-1406P	Contents:	(1)MB-1309W (2)MB-1309C	Contents:	(1)MB-1803M(F) (1)MB-1804M (3)MB-1802M
MS-178P	STD,10,20,30,40,C60 DearbMar: 239(1954-1954), 256(1954-1954), 272(1955-1957), 292(1955-1955); Ford: 239(1954-1954), 256(1954-1954), 272(1955-1957), 292(1955-1962); FordInd: 239(1954-1955), 256(1954-1955), 272(1956-1958), 292(1958-1964); FordMar: 239(1956-1956)	MS-260P	STD,10,20,30 Cont: 120, 129; MasFer: 120, 129	MS-428P-10	10,30 GMC Trk.: 270(1956-1962), 302(1956-1959); MilStd: 302
Contents:	(1)MB-1621P(F) (4)MB-1575P	Contents:	(1)MB-1370P (1)MB-1403W (1)MB-1636P (1)MB-1637P	Contents:	(1)MB-1809P(F) (1)MB-1854P (1)MB-929P (1)MB-930P
MS-189P-10	10,20 GMC: 235(1953-1955); GMC Trk.: 235(1953-1955), 261(1954-1955)	MS-265P	10,20 Cumm: 401 Diesel, 464 Diesel	MS-429H	STD,1,10 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)
Contents:	(1)MB-1690P (1)MB-1691P (1)MB-1692P(F) (1)MB-1693P	Contents:	(1)MB-2513W (7)MB-1589P	Contents:	(1)MB-1769H(F) (4)MB-1808H
MS-194P-10	10,20,30 Clark: 209; Cont: 170, 184, 186, 199, 202, 206, 209, 214, 218; Oliver: 202, 209	MS-271P	STD,10,20,30,40 Alc: 426 Diesel; Deere: 426 Diesel; DetD: 426 Diesel; MilStd: 426 Diesel	MS-429HK	STD,1,10 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)
Contents:	(1)MB-1403P (1)MB-1403W (1)MB-1405P (2)MB-1404P	Contents:	(1)MB-2524W (7)MB-1276P	Contents:	(1)MB-1769H(F) (4)MB-1808H
		MS-302P	STD,10 IntInd: 164, 169, 175; IntTrac: 164, 169, 175	MS-429HX	STD GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)
		Contents:	(1)MB-1542P(F) (2)MB-1541P	Contents:	(1)MB-1769HX(F) (4)MB-1808HX
		MS-306P	STD,10 IntInd: 60; IntTrac: 60; PalMar: 60		
		Contents:	(1)MB-1212P(F) (2)MB-1211P		
		MS-307P	STD,10,20 IntInd: 248, 264, 281; IntTrac: 248, 264, 281		
		Contents:	(1)MB-1544P(F) (2)MB-1543P		
		MS-319P	STD,10,20 Deere: 113, 100.5		
		Contents:	(1)MB-1581P (1)MB-1582P(F)		

NUMERICAL LISTING OF CLEVITE 77 MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-429P	STD,1,10,20,30,40 Checker: 283(1965-1967), 327(1965-1967); ChrisCft: 283, 302; FlagMar: 283, 327; GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967); GMC Trk.: 265(1955-1957), 283(1957-1967), 327(1962-1967); GMCMar: 283, 327; MasFer: 327; Me Contents: (1)MB-1769P(F) (4)MB-3135P	MS-459P	STD,10,20,30 IntInd: 113, 123; IntTrac: 113, 123 Contents: (1)MB-1649P(F) (2)MB-1648P	MS-518G	STD,10,20,30,40,60 DearbMar: 144(1960-1964), 170(1961-1973); Ford: 144(1960-1964), 170(1961-1972), 200(1963-1964); FordInd: 144(1960-1964); FordMar: 144(1960-1964), 170(1961-1973), 200(1964-1964); FordTrk: 144(1960-1964), 170(1961-1972); IntcptMar: 144(1960-1 Contents: (1)MB-2003G(F) (3)MB-2002G
MS-429V	STD,1,10 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967) Contents: (1)MB-1769V(F) (4)MB-1808V	MS-466P	STD,1,10,2,20,30,40 FordInd: 134(1953-1976), 172(1955-1978), 192(1972-1981), 144 Diesel(1958-1965), 172 Diesel(1958-1978), 192 Diesel(1972-1981); FordTrac: 134(1953-1965), 172(1955-1965), 192(1971-1981), 144 Diesel(1958-1965), 172 Diesel(1958-1965), 192 Diesel Contents: (1)MB-1540P(F) (2)MB-1501P	MS-521P-10	10,20,40 GMC Trk.: 305(1960-1972), 351(1960-1972), 401(1960-1972), 478(1964-1972), 351 Diesel(1964-1967), 478 Diesel(1964-1972); Oliver: 478(1960-1972) Contents: (1)MB-2010P(F) (3)MB-2009P
MS-429VG	STD,1 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967) Contents: (1)MB-1769VG(F) (4)MB-1808VG	MS-481M	STD,10,20,30 Chry: 383(1959-1960), 413(1959-1965), 426(1963-1965), 440(1966-1973); ChryInd: 413, 440; ChryMar: 413, 426, 440; DodTrk: 413(1960-1973), 440(1973-1973) Contents: (1)MB-1884M(F) (4)MB-1883M	MS-522P-10	10,20,40 GMC Trk.: 702(1960-1965) Contents: (1)MB-2010P(F) (6)MB-2009P
MS-429VGX	STD GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967) Contents: (1)MB-1769VGX(F) (4)MB-1808VGX	MS-483G	STD,10,20,30 GMC: 326(1963-1967), 350(1968-1977), 389(1959-1966), 400(1967-1979) Contents: (1)MB-1890G(F) (1)MB-1891P (3)MB-1889G	MS-523P-10	10,20,30 Chry: 218(1934-1954), 230(1946-1959); ChryInd: 218(1942-1954), 230(1942-1960); ChryMar: 218, 230; Clark: 218(1942-1954); Coshtt: 218(1942-1954); DodTrk: 218(1939-1954), 230(1948-1960); MasFer: 218(1942-1954), 230(1942-1960); MilStd: 230 Contents: (1)MB-122P(F) (1)MB-2011P (2)MB-2012P
MS-429VX	STD GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967) Contents: (1)MB-1769VX(F) (4)MB-1808VX	MS-494P	STD,10,20 IntInd: 221, 263, 282, 301, 236 Diesel, 282 Diesel, 301 Diesel; IntTrac: 221, 263, 282, 291, 301, 236 Diesel, 282 Diesel, 301 Diesel; NavInt: 301 Diesel(1960-1978) Contents: (1)MB-1909P (1)MB-1910P (1)MB-1911P(F) (1)MB-1912P	MS-525P	STD,10,20,30 Ford: 215(1952-1953), 223(1954-1964); FordInd: 215(1952-1953), 223(1954-1964), 262(1961-1964); FordTrac: 223(1961-1966), 242 Diesel(1961-1966); FordTrk: 215(1952-1953), 223(1954-1964), 262(1961-1964) Contents: (1)MB-1500P(F) (3)MB-1499P
MS-432P-10	10,20 Ford: 317(1952-1954), 341(1955-1955), 368(1956-1957); FordInd: 279(1952-1955), 317(1952-1955), 332(1956-1963); FordTrk: 279(1953-1955), 302(1956-1963), 317(1953-1955), 332(1956-1963) Contents: (1)MB-1503P(F) (1)MB-1813P (3)MB-1502P	MS-496H	STD GMC: 326(1963-1967), 350(1968-1977), 389(1959-1966), 400(1967-1979) Contents: (1)MB-1891H (1)MB-1918H(F) (3)MB-1917H	MS-530P	STD,10,20 Cummm: 267 Diesel, 309 Diesel Contents: (1)MB-2513W (5)MB-1589P
MS-440P-20	20 Clark: 226; Cont: 209, 226, 244; Coshtt: 226; GrayMar: 226, 244; Jeep: 226(1947-1950); KaisFraz: 226(1947-1950); MasFer: 226, 244; MinMol: 226, 244; Oliver: 226, 244 Contents: (1)MB-1226P (1)MB-1682P (2)MB-1225P	MS-496P	STD,10,20,30 GMC: 195(1961-1963), 326(1963-1967), 350(1968-1977), 389(1959-1966), 400(1967-1979) Contents: (1)MB-1891P (1)MB-1918P(F) (3)MB-1917P	MS-540H	STD,1,10 Chry: 273(1964-1969), 318(1957-1973), 340(1968-1973) Contents: (1)MB-2036H(F) (1)MB-2559H (3)MB-2035H
MS-443P	STD,10,20,30 FordInd: 401(1958-1976), 477(1958-1981), 534(1958-1981); FordMar: 534(1958-1981); FordTrk: 401(1958-1975), 475(1973-1979), 477(1958-1981), 534(1958-1981); MilStd: 534; Seamstr: 534 Contents: (1)MB-1821P(F) (4)MB-1820P	MS-502P	STD,10,20,30 Clark: 212 Diesel; Coshtt: 212 Diesel; DetD: 212 Diesel; Oliver: 212 Diesel Contents: (1)MB-2522W (5)MB-1897P	MS-540HK	STD,1,10 Chry: 273(1964-1969), 318(1957-1973), 340(1968-1973) Contents: (1)MB-2036H(F) (1)MB-2559H (3)MB-2035H
MS-445P	STD,10,20 ChrisCft: 427; DearbMar: 390(1961-1963), 427(1963-1963); Ford: 332(1958-1959), 352(1958-1963), 361(1958-1959), 390(1961-1963), 406(1962-1963), 427(1963-1963); FordMar: 352(1958-1963), 361(1958-1959), 390(1961-1963), 427(1960-1960); ThermEle Contents: (1)MB-1825P(F) (4)MB-2441P	MS-505P	STD,10 IntInd: 135; IntTrac: 135 Contents: (1)MB-1930P(F) (2)MB-1929P	MS-540HX	STD Chry: 273(1964-1969), 318(1957-1973), 340(1968-1973) Contents: (1)MB-2036HX(F) (1)MB-2559HX (3)MB-2035HX
MS-458H	STD,1 GMC: 348(1958-1961), 409(1961-1965) Contents: (1)MB-1841H(F) (4)MB-1840H	MS-506P	STD,10,20 DetD: 318 Diesel; MilStd: 318 Diesel Contents: (1)MB-2524W (4)MB-1931P	MS-540HXX	STD Chry: 273(1964-1969), 318(1957-1973), 340(1968-1973) Contents: (1)MB-2036HX(F) (1)MB-2559HX (3)MB-2035HX
MS-458HX	STD GMC: 348(1958-1961), 409(1961-1965) Contents: (1)MB-1841HX(F) (4)MB-1840HX	MS-516P	STD,10,20,30,40 IntInd: 345; NavInt: 152(1961-1968), 196(1966-1980), 266(1959-1975), 304(1959-1980), 345(1959-1982), 392(1968-1987); PalMar: 196(1966-1980), 304(1959-1980), 345(1959-1982), 392(1968-1982) Contents: (1)MB-1998P(F) (4)MB-1997P	MS-540P	STD,10,20,30,40 Chry: 273(1964-1969), 277(1956-1957), 301(1956-1957), 303(1956-1956), 318(1957-1973), 326(1959-1959); ChryInd: 318; ChryMar: 273, 318; DodTrk: 273(1964-1968), 313(1958-1965), 318(1958-1973); StksMar: 318 Contents: (1)MB-2036P(F) (1)MB-2559P (3)MB-2035P
MS-458P-10	10 GMC: 348(1958-1961), 409(1961-1965); GMC Trk.: 348(1958-1965), 409(1962-1965); ThermElec: 348, 409 Contents: (1)MB-1841P(F) (4)MB-1840P	MS-517P	STD,10,20,30,40 Chry: 170(1960-1969), 198(1970-1974), 225(1960-1976); ChryInd: 225(1961-1976); ChryMar: 170, 198, 225; DodTrk: 170(1963-1969), 198(1970-1971), 225(1961-1976); MasFer: 170, 225 Contents: (1)MB-1999P (1)MB-2000P(F) (2)MB-2001P		

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Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-558P	STD,10 GMC: 215(1961-1963); LRover: 3528(1970-1981); PalMar: 215(1961-1963); Tri: 3528(1980-1981)	MS-590VG	STD,1 Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)	MS-683P	STD,10,20 IntInd: 221, 263, 282, 301, 236 Diesel, 282 Diesel, 301 Diesel; IntTrac: 221, 263, 282, 291, 301, 236 Diesel, 282 Diesel, 301 Diesel; NavInt: 301 Diesel(1960-1978)
Contents:	(1)MB-2075P(F) (4)MB-3135P	Contents:	(1)MB-2122VG(F) (4)MB-2121VG	Contents:	(1)MB-1909P (1)MB-1910P (1)MB-1912P (1)MB-2231P(F)
MS-562P	STD,10,20 IntInd: 166 Diesel; IntTrac: 166 Diesel, 188 Diesel	MS-590VX	STD Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)	MS-684P	STD,10 IntInd: 361 Diesel, 407 Diesel; IntTrac: 407, 361 Diesel, 407 Diesel
Contents:	(1)MB-1909P (1)MB-1910P (1)MB-1911P(F)	Contents:	(1)MB-2122VX(F) (4)MB-2121VX	Contents:	(1)MB-2232P (1)MB-2234P(F) (5)MB-2233P
MS-566P-10	10,30 Cont: 157, 176, 193, 206; MasFer: 176, 193	MS-596P	STD,10,20 Case: 148, 159, 164	MS-685P	STD,1,10,20,30,40,C60 ChrisCft: 427; DearbMar: 390(1964-1965), 427(1964-1965); Ford: 352(1964-1965), 390(1964-1965), 427(1964-1965); FordInd: 330(1964-1965), 361(1964-1965), 390(1964-1965), 391(1964-1965); FordMar: 352(1964-1965), 390(1964-1965), 427(1964-1965);
Contents:	(1)MB-2083P (1)MB-2085P (1)MB-2087P(F)	Contents:	(1)MB-2131P (1)MB-2132P(F) (1)MB-2133P	Contents:	(1)MB-2235P(F) (4)MB-2441P
MS-584P	STD,10 GMC: 140(1960-1961), 145(1961-1963), 164(1964-1969); GMC Trk.: 145(1961-1963); MilStd: 145	MS-606P	STD,10 GMC: 198(1962-1963)	MS-697P	STD,10,20 GMC: 330(1964-1964)
Contents:	(1)MB-2004P(F) (1)MB-2111P (2)MB-2005P	Contents:	(1)MB-2075P(F) (3)MB-3135P	Contents:	(1)MB-2252P(F) (1)MB-2253P (3)MB-2365P
MS-590A-10	10,20,30 CommMar: 302; DearbMar: 289, 302; Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-1995); FordInd: 302(1968-1993); FordMar: 221, 260, 289, 302; FordTrk: 255(1981-1982), 260(1964-1964), 289(1965-1968), 302(1968-1968)	MS-614P	STD,10,20 IntTrac: 144 Diesel, 154 Diesel	MS-704P	STD,10,20,30,40 AMC: 199(1965-1970), 232(1964-1979), 258(1971-1988); GrayMar: 258(1971-1980); Jeep: 232(1965-1978), 242(1987-1990), 258(1971-1990); NavInt: 232(1969-1972), 258(1972-1974)
Contents:	(1)MB-2122A(F) (4)MB-2121A	Contents:	(1)MB-2155P(F) (4)MB-2154P	Contents:	(1)MB-2264P(F) (6)MB-2263P
MS-590H	STD,1,10 Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)	MS-617P	STD,1,10,20,30,40 Checker: 230(1964-1968), 250(1969-1979); GMC: 194(1962-1967), 215(1964-1965), 230(1964-1970), 250(1966-1979); GMC Trk.: 194(1964-1966), 230(1963-1970), 250(1966-1984), 292(1963-1989); MasFer: 292; MercMar: 230, 250, 292; OMC: 250; StksMar:	MS-712AL	STD,25,50 Cat: 893, 893 Diesel
Contents:	(1)MB-2122H(F) (4)MB-2121H	Contents:	(1)MB-2179P (1)MB-2180P (5)MB-2178P	Contents:	(1)MB-2280AL(F) (6)MB-2279AL
MS-590HK	STD,1,10 Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)	MS-637P	STD Wauk: 1013, 1196	MS-720P	STD,10,20 Alfa: 1570(1972-1976), 1779(1969-1971), 1962(1972-1994)
Contents:	(1)MB-2122H(F) (4)MB-2121H	Contents:	(1)MB-2179P (1)MB-2180P (5)MB-2178P	Contents:	(2)MB-2242P (3)MB-2241P
MS-590HX	STD Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)	MS-650P	STD,10 Alc: 339; Herc: 260, 298, 339, 260 Diesel, 298 Diesel, 339 Diesel; PalMar: 339	MS-742AL	STD,10,20,30 Ford: 98(1971-1973), 1098(1968-1980), 1100(1971-1973), 1298(1968-1980), 1498(1963-1967), 1599(1967-1973); FordInd: 67(1973-1982), 98(1973-1973)
Contents:	(1)MB-2122HX(F) (4)MB-2121HX	Contents:	(1)MB-2092P(F) (6)MB-2185P	Contents:	(5)MB-2759AL
MS-590HXX	STD Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)	MS-651P	STD,10,20 Case: 188 Diesel, 207 Diesel	MS-755AL	STD,10,20,30 FordInd: 220 Diesel(1962-1966); FordTrk: 220 Diesel(1952-1966)
Contents:	(1)MB-2122HX(F) (4)MB-2121HX	Contents:	(1)MB-2192P (1)MB-2194P(F) (1)MB-2195P (2)MB-2193P	Contents:	(2)MB-1739AL (3)MB-1738AL
MS-590P	STD,1,10,20,30,40 CommMar: 302; DearbMar: 289, 302; Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-1995); FordInd: 302(1968-1993); FordMar: 221, 260, 289, 302; FordTrk: 255(1981-1982), 260(1964-1964), 289(1965-1968), 302(1968-1968)	MS-652P	STD,10,20 Case: 188, 201	MS-756AL	STD,10,20,30 FordInd: 330 Diesel(1962-1966); FordTrk: 330 Diesel(1960-1966); ForsnTrac: 330 Diesel(1960-1966)
Contents:	(1)MB-2122P(F) (4)MB-2121P	Contents:	(1)MB-2192P (1)MB-2194P(F) (1)MB-2195P	Contents:	(2)MB-1739AL (5)MB-1738AL
MS-590V	STD,1,10,20 Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)	MS-663P-10	10 GMC: 390(1963-1963), 429(1964-1967)	MS-757AL	STD,10,20,30 DodTrk: 354 Diesel(1966-1970); MasFer: 354 Diesel; MinMol: 354 Diesel; Oliver: 354 Diesel; Perk: 354 Diesel, 372 Diesel; WhiFarm: 354 Diesel
Contents:	(1)MB-2122V(F) (4)MB-2121V	Contents:	(1)MB-2208P (1)MB-2210P(F) (1)MB-2211P (2)MB-2209P	Contents:	(1)MB-2222AL (6)MB-2221AL
		MS-664P-10	10 GMC: 401(1959-1966), 425(1963-1966)	MS-765P	STD,10,20,30 Ford: 240(1965-1966); FordInd: 240(1965-1966), 300(1965-1966); FordMar: 240, 300; FordTrk: 240(1965-1966), 300(1965-1966); OscoMar: 300
		Contents:	(1)MB-1881P(F) (1)MB-2212P (3)MB-1811P	Contents:	(1)MB-2296P(F) (6)MB-2553P
		MS-665P	STD,10,20 IntInd: 135; IntTrac: 135, 146, 153		
		Contents:	(1)MB-2214P(F) (2)MB-2213P		
		MS-667P	STD,10,20,30 GMC: 421(1963-1966), 428(1967-1969), 455(1970-1976)		
		Contents:	(1)MB-2216P(F) (1)MB-2217P (3)MB-2215P		
		MS-676P	STD,10,20,30 Oliver: 283, 283 Diesel, 310 Diesel; Wauk: 283, 310, 283 Diesel, 310 Diesel		
		Contents:	(1)MB-2226P(F) (6)MB-2225P		

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Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-766P	STD MilStd: 779, 817; Wauk: 501, 638, 779, 817 Contents: (1)MB-1131P (1)MB-2297P (5)MB-1130P	MS-822AL	STD, .25mm, .50mm VW: 1192(1961-1965), 1285(1966-1966), 1493(1967-1969), 1584(1966-1979); VWTrk: 1192(1954-1964), 1493(1965-1967), 1584(1968-1979) Contents: (1)MB-2391AL(F) (1)MB-2392P (1)MB-2393AL (1)MB-2394AL	MS-830AL	STD, 10, 20, 30 MasFer: 212 Diesel, 236 Diesel, 248 Diesel, 318 Diesel; Perk: 236, 212 Diesel, 236 Diesel, 248 Diesel, 318 Diesel Contents: (1)MB-2222AL (4)MB-2221AL
MS-769P	STD Alc: 516 Diesel; Buda: 516 Diesel Contents:	MS-828P	STD Intlnd: 401, 461, 549; Navlnt: (1956-1969), 401(1956-1975), 461(1956-1964), 478(1965-1977), 549(1956-1978); PalMar: 401(1956-1975), 461(1956-1964), 549(1956-1972) Contents: (1)MB-2402P(F) (4)MB-2401P	MS-836P	STD, 10, 20, 30 Deere: 201, 227 Contents: (1)MB-2416P(F) (2)MB-2415P
MS-771G	STD, 10, 20, 30, 40 Ford: 200(1965-1975); Fordlnd: 200(1965-1975); FordMar: 200(1965-1975); FordTrk: 200(1965-1974); IntcptMar: 200(1965-1975) Contents: (1)MB-2003G(F) (6)MB-2002G	MS-829A-10	10, 20, 30 ChrisCft: 454; FlagMar: 427, 454; GMC: 396(1965-1971), 402(1970-1972), 427(1966-1969), 454(1970-1976); GMC Trk.: 366(1966-1998), 396(1966-1971), 402(1970-1972), 427(1966-1998), 454(1970-2000); GMCMar: 427(1990-1995), 502(1990-1995); HardMar Contents: (1)MB-2404A(F) (4)MB-2403A	MS-837P	STD, 10, 20 Deere: 254 Diesel, 270 Diesel Contents: (1)MB-2416P(F) (4)MB-2415P
MS-772AL	STD, 10, 20, 30 Alc: 152 Diesel; FordTrac: 152; ForsnTrac: 144 Diesel(1964-1974), 152 Diesel(1964-1964); MasFer: 152, 135 Diesel, 144 Diesel, 152 Diesel; MinMol: 152 Diesel; Perk: 152, 135 Diesel, 144 Diesel, 152 Diesel, 205 Diesel Contents: (1)MB-2186AL (1)MB-2302AL (2)MB-2187AL	MS-829H	STD, 1, 10, 20 GMC: 366(1966-1998), 396(1965-1970), 402(1970-1972), 427(1966-1998), 454(1970-2000), 502(1965-1970) Contents: (1)MB-2404H(F) (4)MB-2403H	MS-838P	STD, 10, 20 Deere: 301, 341 Contents: (1)MB-2416P(F) (3)MB-2415P
MS-773AL	STD, 10, 20, 30 Jeep: 192 Diesel(1968-1968); MasFer: 192 Diesel, 203 Diesel; Perk: 192 Diesel, 203 Diesel Contents: (1)MB-2186AL (2)MB-2187AL (2)MB-2302AL	MS-829HG	STD GMC: 366(1966-1998), 396(1965-1970), 402(1970-1972), 427(1966-1998), 454(1970-2000), 502(1965-1970) Contents: (1)MB-2404HG(F) (4)MB-2403HG	MS-839P	STD, 10, 20 Deere: 381 Diesel, 404 Diesel Contents: (1)MB-2416P(F) (6)MB-2415P
MS-774AL	STD, 10 MasFer: 288 Diesel, 305 Diesel; Perk: 288 Diesel, 305 Diesel, 306 Diesel Contents: (1)MB-2186AL (2)MB-2302AL (4)MB-2187AL	MS-829HK	STD, 1, 10 GMC: 366(1966-1998), 396(1965-1970), 402(1970-1972), 427(1966-1998), 454(1970-2000), 502(1965-1970) Contents: (1)MB-2404H(F) (4)MB-2403H	MS-856AL	STD, 25 Cat: 595 Diesel Contents: (1)MB-2280AL(F) (4)MB-2279AL
MS-779AL	STD, 10, 20 Tri: 1147(1961-1967), 1296(1967-1969) Contents: (3)MB-2359AL	MS-829HX	STD GMC: 366(1966-1998), 396(1965-1970), 402(1970-1972), 427(1966-1998), 454(1970-2000), 502(1965-1970) Contents: (1)MB-2404HX(F) (4)MB-2403HX	MS-860P-20	20 Ford: 171(1974-1974), 2551(1970-1974), 2900(1988-1990); FordTrk: 171(1983-1986), 177(1986-1989) Contents: (1)MB-2351P(F) (3)MB-2350P
MS-798P	STD, 10 Ford: 1498(1963-1970), 1699(1963-1975); Saab: 1498(1967-1970) Contents: (1)MB-2351P(F) (2)MB-2350P	MS-829HXX	STD GMC: 366(1966-1998), 396(1965-1970), 402(1970-1972), 427(1966-1998), 454(1970-2000), 502(1966-1998) Contents: (1)MB-2404HX(F) (4)MB-2403HX	MS-863P	STD, 1, 10, 20, 30, 40, C60 ChrisCft: 427; DearbMar: 390(1966-1971), 427(1966-1966); Ford: 330(1964-1978), 352(1964-1967), 359(1974-1975), 360(1968-1976), 361(1964-1978), 389(1975-1978), 390(1964-1976), 391(1964-1978), 410(1966-1967), 427(1966-1968), 428(1966-1978); F Contents: (1)MB-2442P(F) (4)MB-2441P
MS-804P	STD, 10, 20, 30 BarrMar: 455(1968-1976); Berk: 455(1968-1976); Checker: 350 Diesel(1980-1980); GMC: 400(1965-1969), 425(1965-1967), 455(1968-1976), 260 Diesel(1979-1979), 350 Diesel(1978-1985); GMC Trk.: 350 Diesel(1978-1984); JacMar: 455(1968-1976); Oldsm Contents: (1)MB-2362P (1)MB-2363P(F) (1)MB-2364P (2)MB-2163P	MS-829P	STD, 1, 10, 20, 30, 40 ChrisCft: 454; FlagMar: 427, 454; GMC: 396(1965-1971), 402(1970-1972), 427(1966-1969), 454(1970-1976); GMC Trk.: 366(1966-1998), 396(1966-1971), 402(1970-1972), 427(1966-1998), 454(1970-2000); GMCMar: 427(1990-1994), 502(1990-1995); HardMar Contents: (1)MB-2404P(F) (4)MB-2403P	MS-865AL	STD, 10, 20, 30 FordTrac: 158(1965-1969), 175(1975-1980), 192(1965-1969), 201(1965-1969), 158 Diesel(1965-1969), 175 Diesel(1965-1969), 183 Diesel(1975-1980), 192 Diesel(1965-1969), 201 Diesel(1965-1969) Contents: (1)MB-2447AL(F) (3)MB-2446AL
MS-805P	STD, 1, 10, 20, 30 BarrMar: 403(1977-1979); Berk: 350(1968-1980); GMC: 260(1975-1982), 307(1980-1990), 330(1964-1967), 350(1968-1980), 403(1977-1979); HardMar: 350, 403; OldsMar: 350(1968-1980), 403(1977-1979); PanJetMar: 350(1968-1980), 403 Contents: (1)MB-2252P(F) (1)MB-2253P (1)MB-2365P (2)MB-2251P	MS-829V	STD, 1, 10 GMC: 366(1966-1998), 396(1965-1970), 402(1970-1972), 427(1966-1998), 454(1970-2000), 502(1965-1970) Contents: (1)MB-2404V(F) (4)MB-2403V	MS-866AL	STD, 10, 20, 30 FordTrac: 233(1965-1968), 256(1965-1968), 233 Diesel(1965-1968), 256 Diesel(1965-1968) Contents: (1)MB-2447AL(F) (4)MB-2446AL
MS-806P	STD, 10, 30 Clark: 69, 91, 112; Cont: 69, 91, 112; GrayMar: 69, 91, 112; MasFer: 91; Oliver: 112 Contents: (1)MB-1651P (1)MB-1652P (1)MB-2366P	MS-829VX	STD GMC: 366(1966-1998), 396(1965-1970), 402(1970-1972), 427(1966-1998), 454(1970-2000), 502(1965-1970) Contents: (1)MB-2404VX(F) (4)MB-2403VX	MS-873AL	STD, 10, 20, 30 Deere: 135, 164, 180, 202, 219 Contents: (1)MB-2455AL(F) (2)MB-2454AL
MS-813P	STD, 10, 20 ChryMar: 109, 122; Vol: 109(1961-1968), 121(1969-1975), 130(1976-1985), 141(1983-1984); VolPen: 121(1969-1975) Contents: (1)MB-2374P(F) (4)MB-2373P			MS-874AL	STD, 10, 20, 30 Deere: 303, 329, 152 Diesel, 164 Diesel, 179 Diesel Contents: (1)MB-2455AL(F) (3)MB-2454AL
				MS-875AL	STD, 10, 20, 30 Deere: 202 Diesel, 219 Diesel, 239 Diesel, 276 Diesel; FMC: 239 Diesel Contents: (1)MB-2455AL(F) (4)MB-2454AL
				MS-876P	STD, 10, 20, 30, 40, C60 Chry: (1962-1965), 350(1958-1958), 361(1958-1977), 383(1959-1971), 400(1972-1980); Chrylnd: 361, 383, 400; ChryMar: 361, 400; DodTrk: 361(1960-1977), 383(1967-1971), 400(1972-1980); MliStd: 361 Contents: (1)MB-2456P(F) (4)MB-2065P

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Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-877P	STD,10,20,30 Chry: 383(1959-1960), 413(1959-1965), 426(1963-1965), 440(1966-1974); Chrylnd: 413, 440; ChryMar: 413, 426, 440; DodTrk: 413(1960-1973), 440(1973-1974) Contents: (1)MB-2457P(F) (4)MB-2067P	MS-909HG	STD,10 GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-2509HG(F) (4)MB-2508HG	MS-956AL	STD,10,20 MasFer: 301 Diesel; Perk: 270 Diesel, 301 Diesel Contents: (2)MB-2221AL (3)MB-2222AL
MS-878AL	STD,10,20 Alc: 201, 226 Contents: (1)MB-2459AL(F) (2)MB-2458AL	MS-909HK	STD,1,10 GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-2509H(F) (4)MB-2508H	MS-957AL	STD,10,20,30 Cat: 425, 350 Diesel, 425 Diesel Contents: (1)MB-2581AL(F) (4)MB-2580AL
MS-883P	STD,10,20,30 NavInt: 537(1978-1981), 461 Diesel(1966-1979), 549 Diesel(1966-1979), 551 Diesel(1980-1988) Contents: (1)MB-2483P(F) (4)MB-2482P	MS-909HX	STD GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-2509HX(F) (4)MB-2508HX	MS-958AL	STD,10,20,30 Cat: 525, 638, 525 Diesel, 638 Diesel Contents: (1)MB-2581AL(F) (6)MB-2580AL
MS-885P	STD,10,20,30 DetD: 318 Diesel; MilStd: 318 Diesel Contents: (1)MB-2524W (4)MB-2474P	MS-909HXX	STD GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-2509HX(F) (4)MB-2508HX	MS-960P	STD,1,10,20,30 ChrisCft: 225; GMC: 181(1982-1988), 196(1978-1979), 204(1989-1990), 225(1964-1967), 231(1975-1990), 252(1980-1984); GMC Trk.: 231(1978-1984); Jeep: 225(1966-1971); OMC: 225; StksMar: 225; ThermElec: 225 Contents: (1)MB-2434P(F) (1)MB-2491P (2)MB-2433P
MS-886P	STD,10,20,30 Cont: 135, 163, 198 Contents: (1)MB-1682P (1)MB-1686P(F) (1)MB-2475P	MS-909P	STD,1,10,2,20,30,40,C60 Checker: 267(1980-1980), 305(1978-1980), 307(1968-1969), 327(1968-1969), 350(1969-1979); ChrisCft: 302, 305, 307, 327, 350; FlagMar: 305, 307, 327, 350; GMC: 262(1975-1976), 265(1994-1996), 267(1979-1982), 302(1968-1969), 305(1976-1993), 30 Contents: (1)MB-2509P(F) (4)MB-2508P	MS-960V	STD GMC: 181(1982-1988), 196(1978-1979), 231(1978-1989), 252(1980-1984) Contents: (1)MB-2434V(F) (1)MB-2491V (2)MB-2433V
MS-889P	STD,10,20,30 Cont: 227, 242, 245; Jeep: 226(1951-1963); KaisFraz: 226(1951-1954); MasFer: 227 Contents: (1)MB-1682P (1)MB-1686P(F) (2)MB-1225P	MS-909V	STD,1,10 GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-2509V(F) (4)MB-2508V	MS-961P	STD,10,20,30 GMC: 300(1964-1967); OMC: 300(1964-1967) Contents: (1)MB-2434P(F) (1)MB-2491P (3)MB-2433P
MS-891AL	10 Fiat: 1116(1971-1973), 1197(1966-1969), 1290(1972-1979), 1297(1975-1976), 1438(1968-1973), 1608(1971-1973); Yugo: 1116(1986-1989), 1301(1988-1992) Contents: (1)MB-2486AL (4)MB-2485AL	MS-909VX	STD GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-2509VX(F) (4)MB-2508VX	MS-963P	STD,10,20,30 Chry: 340(1968-1973); ChryMar: 340 Contents: (1)MB-2036P(F) (1)MB-2559P (3)MB-2283P
MS-896P	STD,10 Chry: 383(1959-1960), 413(1959-1973), 426(1963-1971), 440(1966-1973) Contents: (1)MB-2495P(F) (4)MB-2219P	MS-914P	STD,10,20,30 Austin: 1798(1966-1978); MG: 1798(1965-1980) Contents: (2)MB-18P (3)MB-2367P	MS-963V	STD,1 Chry: 273(1964-1969), 318(1957-2002), 340(1968-1973) Contents: (1)MB-2036V(F) (1)MB-2559V (3)MB-2283V
MS-900P	STD MinMol: 206(1956-1959), 220, 206 Diesel Contents: (1)MB-2032P(F) (2)MB-2496P	MS-926P	.50mm BMW: 1573(1964-1971), 1766(1980-1984), 1773(1963-1967), 1990(1966-1979) Contents: (1)MB-77P(F) (4)MB-76P	MS-963VX	STD Chry: 273(1964-1969), 318(1957-2002), 340(1968-1973) Contents: (1)MB-2036VX(F) (1)MB-2559VX (3)MB-2283VX
MS-902AL	STD,10,20 Alc: 138, 139, 149, 160 Contents: (1)MB-2498AL(F) (2)MB-2497AL	MS-944P-10	10,20,40 GMC Trk.: 637(1966-1971), 637 Diesel(1966-1971) Contents: (1)MB-2010P(F) (4)MB-2009P	MS-970AL	STD,10,20 GMC: 368(1980-1984), 425(1977-1979), 472(1968-1974), 500(1970-1976) Contents: (1)MB-2535AL (1)MB-2537AL(F) (1)MB-2538AL (2)MB-2536AL
MS-908P	STD,10,20 GMC: 400(1967-1969), 430(1967-1969), 455(1970-1976); GrayMar: 455(1970-1976) Contents: (1)MB-2506P(F) (1)MB-2507P (3)MB-2505P	MS-951AL-10	10 Fiat: 1295(1961-1967), 1481(1962-1968) Contents: (1)MB-2326AL (2)MB-2328AL	MS-972M	STD Chry: 383(1959-1960), 413(1959-1973), 426(1963-1971), 440(1966-1973) Contents: (1)MB-2544M(F) (4)MB-2543M
MS-909A-10	10,20,30 Checker: 267(1980-1980), 305(1978-1980), 307(1968-1969), 327(1968-1969), 350(1969-1979); ChrisCft: 302, 305, 307, 327, 350; FlagMar: 305, 307, 327, 350; GMC: 262(1975-1976), 265(1994-1996), 267(1979-1982), 302(1968-1969), 305(1976-1993), 30 Contents: (1)MB-2509A(F) (4)MB-2508A	MS-954P	STD,10,20,30 Mack: 707, 672 Diesel, 707 Diesel Contents: (1)MB-1373W (1)MB-2520P (1)MB-2521P (4)MB-2045P	MS-974P	STD,10 GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-2548P(F) (4)MB-2547P
MS-909H	STD,1,10,20 GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-2509H(F) (4)MB-2508H			MS-977AL	STD,10,20,30 Fordlnd: 401 Diesel; FordTrac: 401 Diesel Contents: (1)MB-2447AL(F) (6)MB-2446AL

NUMERICAL LISTING OF CLEVITE 77 MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-979P	STD,1,10,20,30,40,C60 Ford: 240(1965-1972), 250(1969-1980); FordInd: 240(1966-1974), 300(1966-1993); FordMar: 240(1980-1980), 250(1969-1980), 300(1980-1980); FordTrk: 240(1966-1974), 250(1969-1974), 300(1966-1996); OscoMar: 300	MS-1038V	STD,10 GMC: 400(1970-1980)	MS-1059AL	STD,25 Cat: 2946, 2946 Diesel
Contents: (1)MB-2554P(F) (6)MB-2553P		Contents: (1)MB-2563V(F) (4)MB-2562V		Contents: (7)MB-2597AL	
MS-981P	STD,1,10,20,30,40 CommMar: 351; DearbMar: 351; Ford: 351(1969-1976), 400(1971-1976); FordInd: 351(1969-1976); FordMar: 351; FordTrk: 351(1969-1976), 400(1972-1976); GlasMar: 351; HolMdyMar: 351; IndMar: 351; MercMar: 351; OMC: 351; OscoMar: 351; PalMar: 351;	MS-1039P	STD,1,10,20,30,40 CommMar: 460; Ford: 429(1968-1973), 460(1968-1978); FordInd: 370(1979-1991), 429(1979-1993), 460(1973-1993); FordMar: 429(1968-1973), 460(1968-1978); FordTrk: 370(1979-1991), 429(1970-1998), 460(1973-1998); HardMar: 460; HolMdyMar: 460(1968)	MS-1060P	STD,10,20,30 Cumm: 352 Diesel, 378 Diesel
Contents: (1)MB-2558P(F) (4)MB-2557P		Contents: (1)MB-2565P(F) (4)MB-2564P		Contents: (1)MB-2598W (2)MB-2598P (2)MB-2599P	
MS-983P	STD,10,20 IntInd: 175; IntTrac: 157, 175, 200	MS-1039V	STD,10 Ford: 370(1979-1991), 429(1968-1998), 460(1968-1998)	MS-1062AL	STD,25 Cat: 1473, 1473 Diesel
Contents: (1)MB-1909P (1)MB-1912P (1)MB-2231P(F)		Contents: (1)MB-2565V(F) (4)MB-2564V		Contents: (1)MB-2600AL (1)MB-2602AL (1)MB-2603AL(F) (4)MB-2601AL	
MS-988AL	STD,.25mm,.50mm Opel: 1698(1965-1972), 1897(1965-1975)	MS-1041P	STD,10,20,30 AMC: 290(1966-1969), 304(1970-1979), 343(1967-1969), 360(1970-1978), 390(1968-1970), 401(1971-1976); GrayMar: 304(1970-1979), 360(1970-1978), 390(1968-1970); Jeep: 304(1971-1981), 360(1971-1991), 401(1974-1978); Navint: 400(1973-1975)	MS-1069AL	STD,25 Cat: 3928, 3928 Diesel
Contents: (1)MB-91AL(F) (4)MB-90AL		Contents: (1)MB-2578P(F) (4)MB-2579P		Contents: (9)MB-2597AL	
MS-1010H	STD,1,10 Ford: 351(1970-1974)	MS-1048AL	STD,25 Cat: 1246, 1246 Diesel	MS-1084P	STD,.25mm,.50mm,.75mm Ford: 122(1971-1974), 1593(1970-1982), 1993(1970-1976)
Contents: (1)MB-2561H(F) (4)MB-2560H		Contents: (1)MB-2586AL(F) (6)MB-2585AL		Contents: (5)MB-409P	
MS-1010HX	STD Ford: 351(1970-1974)	MS-1049AL	STD,25 Cat: 831 Diesel	MS-1100P	STD,.25mm,.50mm Toy: 1588(1971-1971)
Contents: (1)MB-2561HX(F) (4)MB-2560HX		Contents: (1)MB-2586AL(F) (4)MB-2585AL		Contents: (1)MB-614P(F) (4)MB-623P	
MS-1010P	STD,10,20,30 Ford: 351(1970-1974); FordMar: 351(1970-1974); FordTrk: 351(1970-1974)	MS-1050P	STD,10 GMC: 122(1975-1976), 140(1971-1977); GMC Trk.: 140(1971-1975)	MS-1102P	STD,.25mm,.50mm Toy: 1858(1969-1971), 1968(1972-1974); ToyTrk: 1858(1969-1971), 1968(1972-1974)
Contents: (1)MB-2561P(F) (4)MB-2560P		Contents: (1)MB-2588P(F) (1)MB-2589P (3)MB-3135P		Contents: (1)MB-618P(F) (4)MB-615P	
MS-1010V	STD,1 Ford: 351(1970-1974)	MS-1051P	STD,10,20,30 Chry: 360(1971-1973); ChryMar: 360; DodTrk: 360(1971-1973)	MS-1103G	STD,.25mm,.50mm ToyTrk: 3878(1969-1971)
Contents: (1)MB-2561V(F) (4)MB-2560V		Contents: (1)MB-2591P(F) (1)MB-2592P (3)MB-2590P		Contents: (1)MB-619G (1)MB-620G (1)MB-621G(F) (1)MB-622G	
MS-1010VG	STD,1 Ford: 351(1970-1974)	MS-1052P	STD,10,20 Cumm: 1710 Diesel	MS-1104G	STD,.25mm,.50mm Toy: 2253(1968-1972), 2563(1971-1980), 2759(1981-1984)
Contents: (1)MB-2561VG(F) (4)MB-2560VG		Contents: (1)MB-2593P (1)MB-2595P (1)MB-2596P (4)MB-2594P		Contents: (7)MB-627G	
MS-1037AL	STD,10,20 MasFer: 107 Diesel; Perk: 99 Diesel, 107 Diesel, 108 Diesel	MS-1054P	STD,.25mm,.50mm,.75mm Nis: 1595(1968-1973), 1770(1973-1974); NisTrk: 1595(1972-1973), 1770(1974-1974)	MS-1106P	STD,.25mm,.50mm,.75mm Nis: 2393(1970-1984), 2565(1974-1974), 2753(1975-1983), 2793 Diesel(1981-1983)
Contents: (3)MB-2573AL		Contents: (1)MB-606P (1)MB-608P(F) (1)MB-609P (2)MB-607P		Contents: (1)MB-633P(F) (2)MB-631P (4)MB-632P	
MS-1038H	STD,1,10 GMC: 400(1970-1980)	MS-1055G	STD,.25mm,.50mm,.75mm Nis: 1189(1961-1966), 1299(1965-1969); NisTrk: 1299(1968-1969)	MS-1107P	STD,.25mm,.50mm,.75mm Nis: 1171(1971-1973), 1237(1980-1982), 1288(1973-1974), 1397(1975-1982), 1488(1979-1982)
Contents: (1)MB-2563H(F) (4)MB-2562H		Contents: (3)MB-602G		Contents: (1)MB-636P(F) (2)MB-634P (2)MB-635P	
MS-1038HG	STD GMC: 400(1970-1980)	MS-1056G	STD,.25mm,.50mm,.75mm Toy: 1490(1964-1970); ToyInd: 1490(1964-1970)	MS-1108P	STD,.25mm,.50mm,.75mm Nis: 1982(1968-1970); NisInd: 1982(1967-1992)
Contents: (1)MB-2563HG(F) (4)MB-2562HG		Contents: (1)MB-603G (1)MB-604G (1)MB-605G		Contents: (1)MB-639P(F) (2)MB-637P (2)MB-638P	
MS-1038HK	STD,1,10 GMC: 400(1970-1980)	MS-1057P	STD,.25mm,.50mm Toy: 1077(1968-1969), 1166(1969-1979), 1290(1981-1982)	MS-1109P	STD,10,20,30 MG: 1493(1975-1980); Tri: 1296(1970-1974), 1493(1973-1980)
Contents: (1)MB-2563H(F) (4)MB-2562H		Contents: (5)MB-610P		Contents: (3)MB-617P	
MS-1038HX	STD GMC: 400(1970-1980)	MS-1058AL	STD,25 Cat: 1964, 1964 Diesel		
Contents: (1)MB-2563HX(F) (4)MB-2562HX		Contents: (5)MB-2597AL			
MS-1038HXX	STD GMC: 400(1970-1980)				
Contents: (1)MB-2563H(F) (4)MB-2562HX					
MS-1038P	STD,1,10,20,30 GMC: 400(1970-1976); GMC Trk.: 400(1974-1980)				
Contents: (1)MB-2563P(F) (4)MB-2562P					

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Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-1110H	STD,1,10 GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-1769H(F) (1)MB-2651C (4)MB-2650H	MS-1199P	STD,.25mm,.50mm IntTrac: 310 Diesel, 358 Diesel Contents: (1)MB-742P(F) (6)MB-741P	MS-1343P	STD,10,20,30 IntInd: 414 Diesel, 466 Diesel; IntTrac: 414 Diesel, 436 Diesel, 466 Diesel; NavInt: 466 Diesel(1975-1984) Contents: (1)MB-2629P(F) (6)MB-2628P
MS-1110HX	STD GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-1769HX(F) (1)MB-2651C (4)MB-2650HX	MS-1207AL	STD,10 Perk: 510 Diesel, 540 Diesel, 605 Diesel Contents: (2)MB-757AL (3)MB-756AL	MS-1344P	STD,10,20,30 Chry: 318(1974-1989); ChryInd: 318; ChryMar: 318; DodTrk: 318(1974-2003); Jeep: 318(1993-1998); StksMar: 318 Contents: (1)MB-2559P (1)MB-2620P(F) (3)MB-2283P
MS-1111P	STD,10,20 MilStd: 142 Contents: (1)MB-2653P(F) (2)MB-2652P	MS-1265P	STD,10,20,30 Cumm: 903 Diesel; FordTrac: 903 Diesel; MasFer: 903 Diesel Contents: (1)MB-2621W (5)MB-2621P	MS-1344V	STD,1 Chry: 318(1974-2002) Contents: (1)MB-2559V (1)MB-2620V(F) (3)MB-2283V
MS-1112P	STD,10,20 Tri: 1998(1966-1973), 2498(1968-1976) Contents: (4)MB-617P	MS-1277HG	STD,10 Chry: 413(1974-1977), 440(1974-1980) Contents: (1)MB-2625HG(F) (4)MB-2067HG	MS-1344VX	STD Chry: 318(1974-2002) Contents: (1)MB-2559VX (1)MB-2620VX(F) (3)MB-2283VX
MS-1113AL	STD,10,20,30,50 Cat: 425, 350 Diesel, 425 Diesel Contents: (5)MB-2580AL	MS-1277P	STD,10,20,30 Chry: 440(1974-1978); ChryInd: 413, 440; ChryMar: 413, 440; DodTrk: 413(1974-1977), 440(1974-1980) Contents: (1)MB-2625P(F) (4)MB-2067P	MS-1381AL	STD,.25mm,.50mm Ren: 1289(1976-1979), 1397(1980-1987) Contents: (5)MB-2664AL
MS-1114AL	STD,10,20,30,50 Cat: 525, 638, 525 Diesel, 638 Diesel Contents: (7)MB-2580AL	MS-1293P	STD,.25mm,.50mm Isulnd: 144 Diesel(1969-1985), 1991 Diesel(1969-1985); ThermKing: 1991 Diesel(1969-1979), 2207 Diesel(1969-1979) Contents: (1)MB-955P (2)MB-953P (2)MB-954P	MS-1383P	STD,10 DetD: 1788 Diesel Contents: (1)MB-2685P (1)MB-2686P (1)MB-2686W
MS-1117P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm Ford: 140(1974-1990); FordInd: 140(1977-1989); FordTrk: 121(1983-1988), 140(1977-1989) Contents: (1)MB-2613P(F) (4)MB-2612P	MS-1298G	STD,.25mm,.50mm,.75mm,1.00mm GMC Trk.: 119(1982-1985), 1817(1972-1982); Isu: 1817(1981-1985), 1949(1983-1985); IsuTrk: 1817(1981-1982), 1949(1983-1985); Opel: 1817(1976-1979) Contents: (2)MB-975G (3)MB-974G	MS-1384P	STD DetD: 2384 Diesel Contents: (1)MB-2685P (1)MB-2686P (1)MB-2686W
MS-1118P	STD,.25mm NisInd: 2164 Diesel(1963-1980) Contents: (3)MB-642P	MS-1307P	STD,.25mm,.50mm Maz: 988(1967-1983), 1169(1971-1972); MazTrk: 1169(1968-1974) Contents: (2)MB-1043P (3)MB-1042P	MS-1385P	STD,10,20,30 DetD: 426 Diesel(1979-1988), 552 Diesel(1979-1988) Contents: (1)MB-2523W (4)MB-2687P
MS-1145AL	STD,10 Fiat: 1585(1975-1976), 1592(1973-1974), 1756(1974-1978), 1995(1979-1982); Pininfarina: 1995(1983-1987) Contents: (1)MB-673AL (4)MB-672AL	MS-1327P	STD,.25mm,.50mm NisInd: 1138(1966-1978) Contents: (1)MB-1247P (2)MB-1246P	MS-1386P	STD,10,20,30 Clark: 568 Diesel; DetD: 568 Diesel, 736 Diesel; MasFer: 568 Diesel; MilStd: 568 Diesel Contents: (1)MB-2523W (5)MB-2687P
MS-1154P	10,20 Vol: 182(1969-1975) Contents: (1)MB-2374P(F) (6)MB-2373P	MS-1329P	STD,.25mm,.50mm,.75mm,1.00mm NisTrk: 1299(1970-1972) Contents: (3)MB-1269P	MS-1388P	STD,10 IntInd: 573 Diesel; IntTrac: 573 Diesel, 798 Diesel; NavInt: 573 Diesel(1968-1971), 798 Diesel(1975-1979) Contents: (1)MB-2691P(F) (4)MB-2690P
MS-1155AL	STD,10,20 Saab: 1709(1969-1971), 1854(1971-1972); Tri: 1998(1975-1981) Contents: (5)MB-689AL	MS-1332P	STD,.25mm NavInt: 198 Diesel(1976-1980); NisInd: 3246 Diesel(1966-1990); NisMar: 3246 Diesel Contents: (4)MB-642P	MS-1389AL	STD,10,20,30,40 Ford: 200(1975-1983); FordInd: 200(1975-1983); FordMar: 200(1975-1983); IntcptMar: 200(1975-1983) Contents: (1)MB-2693AL(F) (6)MB-2692AL
MS-1156P	STD,.25mm Mack: 335 Diesel, 377 Diesel Contents: (7)MB-691P	MS-1336P	STD,.25mm,.50mm ToyInd: 1994(1970-1978); ToyTrk: 1994(1970-1978) Contents: (1)MB-1315P (1)MB-1316P(F) (1)MB-1317P	MS-1394AL	STD Peug: 2664(1977-1978), 2849(1979-1991); Vol: 163(1976-1979), 174(1980-1986) Contents: (4)MB-2700AL
MS-1183AL	STD,.25mm Ren: 956(1963-1966), 1108(1964-1969), 1289(1969-1972) Contents: (2)MB-793AL (3)MB-792AL	MS-1342P	STD,10,20,30 IntInd: 312 Diesel, 360 Diesel; IntTrac: 312 Diesel, 360 Diesel Contents: (1)MB-2627P(F) (6)MB-2626P	MS-1407P	STD,.25mm Saab: 1985(1972-1988) Contents: (5)MB-2708P
MS-1197P	STD,.25mm,.50mm IntTrac: 155 Diesel, 179 Diesel Contents: (1)MB-742P(F) (3)MB-741P			MS-1415P	STD,10,20,30 GMC: 265(1980-1981), 301(1977-1981) Contents: (1)MB-1891P (1)MB-2449P(F) (3)MB-2448P
MS-1198P	STD,.25mm,.50mm IntTrac: 206, 239 Diesel Contents: (1)MB-742P(F) (4)MB-741P				

NUMERICAL LISTING OF CLEVITE 77 MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-1419AL	STD,10,20,30 Chry: 225(1976-1983); ChryInd: 225(1976-1987); ChryMar: 170, 198, 225; DodTrk: 225(1976-1987)	MS-1432A-10	10,20,30 CommMar: 351; DearbMar: 351; Ford: 351(1977-1995), 400(1977-1979); FordInd: 351(1977-1993); FordMar: 351; FordTrk: 351(1977-1998), 400(1977-1982); GlasMar: 351; HolMdyMar: 351; IndMar: 351; MercMar: 351; OMC: 351; OskoMar: 351; PalMar: 351;	MS-1458G	STD,.25mm,.50mm Maz: 1272(1976-1977); MazTrk: 1272(1976-1977)
Contents: (1)MB-2732AL(F) (3)MB-2731AL		Contents: (1)MB-2558A(F) (4)MB-2754A		Contents: (2)MB-2962G (3)MB-2761G	
MS-1420P	STD,10,20,30 Cat: 636 Diesel; MasFer: 636 Diesel	MS-1432H	STD,1,10 Ford: 351(1977-1998), 400(1977-1982)	MS-1459AL	STD,10,20,30 Deere: 303 Diesel, 329 Diesel, 359 Diesel, 414 Diesel
Contents: (1)MB-2733P (1)MB-2735P(F) (3)MB-2734P		Contents: (1)MB-2558H(F) (4)MB-2754H		Contents: (1)MB-2455AL(F) (6)MB-2454AL	
MS-1421P	STD,10,20,30 Cat: 522 Diesel, 573 Diesel, 636 Diesel; FordTrk: 522 Diesel(1968-1975), 573 Diesel(1968-1975), 636 Diesel(1970-1976); MasFer: 573 Diesel, 636 Diesel	MS-1432HK	STD,1,10 Ford: 351(1977-1998), 400(1977-1982)	MS-1460P	STD,10,20,30 Navint: 404(1975-1982), 446(1975-1981); PalMar: 404(1975-1982)
Contents: (1)MB-2735P(F) (4)MB-2734P		Contents: (1)MB-2558H(F) (4)MB-2754H		Contents: (1)MB-2764P(F) (4)MB-2763P	
MS-1422P	STD,10,20,30 Cat: 636 Diesel; MasFer: 636 Diesel	MS-1432HX	STD Ford: 351(1977-1998), 400(1977-1982)	MS-1476AL	STD,20 Bertone: 1498(1984-1989); Fiat: 1498(1979-1982)
Contents: (1)MB-2735P(F) (1)MB-2736P (3)MB-2734P		Contents: (1)MB-2558HX(F) (4)MB-2754HX		Contents: (1)MB-2769AL (4)MB-2768AL	
MS-1423P	STD,10,20,30 Oliver: 155; Wauk: 155, 155 Diesel	MS-1432HXX	STD Ford: 351(1977-1998), 400(1977-1982)	MS-1480AL	STD,10,20 FordTrac: 242 Diesel(1965-1969), 254 Diesel(1969-1990), 3759 Diesel(1965-1969)
Contents: (1)MB-1786P(F) (2)MB-2610P		Contents: (1)MB-2558HX(F) (4)MB-2754HX		Contents: (2)MB-2665AL (3)MB-2500AL	
MS-1424AL	STD,.25mm,.50mm,.75mm GMC: 85(1976-1977), 98(1976-1987)	MS-1432P	STD,1,10,20,30,40 CommMar: 351; DearbMar: 351; Ford: 351(1977-1995), 400(1977-1979); FordInd: 351(1977-1993); FordMar: 351; FordTrk: 351(1977-1998), 400(1977-1982); GlasMar: 351; HolMdyMar: 351; IndMar: 351; MercMar: 351; OMC: 351; OskoMar: 351; PalMar: 351;	MS-1490P	STD,.25mm,.50mm Vol: 145 Diesel(1981-1986)
Contents: (1)MB-2738AL(F) (4)MB-2737AL		Contents: (1)MB2558P(F) (4)MB-2754P		Contents: (1)MB-2662P(F) (6)MB-2661P	
MS-1425P	STD Sub: 1088(1971-1971), 1267(1972-1972), 1361(1973-1976), 1595(1976-1978); SubTrk: 1595(1976-1978)	MS-1435AL	STD,10,20 FordTrac: 363 Diesel(1965-1990), 380 Diesel(1969-1990), 5638 Diesel(1965-1990), 5974 Diesel(1965-1990)	MS-1494P	STD,.25mm,.50mm,.75mm, 1.00mm GMC: 173(1980-1985); GMC Trk.: 173(1982-1985); Jeep: 173(1984-1985)
Contents: (1)MB-2740P(F) (2)MB-2739P		Contents: (2)MB-2665AL (5)MB-2500AL		Contents: (1)MB-2806P (1)MB-2807P (1)MB-2808P(F) (1)MB-2809P	
MS-1427AL	STD,.25mm,.50mm,.75mm, 1.00mm FordTrk: 110(1972-1978), 122(1979-1982); Maz: 1586(1970-1977), 1796(1972-1973), 1970(1979-1982); MazTrk: 1586(1972-1976), 1796(1977-1978), 1970(1979-1984)	MS-1453AL	STD,10 Deere: 531 Diesel	MS-1495P	STD,10,20,30 Case: 336 Diesel
Contents: (1)MB-1073AL (1)MB-2745AL (3)MB-1072AL		Contents: (1)MB-2757AL(F) (6)MB-2756AL		Contents: (1)MB-2804W (2)MB-2805P (3)MB-2804P	
MS-1428P	STD,.25mm,.50mm,.75mm Toy: 2189(1975-1980), 2366(1981-1982); ToyTrk: 2189(1975-1980), 2366(1981-1982)	MS-1454A-10	10,20,30 Checker: 229(1980-1980); ChrisCft: 262; GMC: 200(1978-1979), 229(1980-1984), 262(1985-1993); GMC Trk.: 200(1978-1979), 229(1980-1984), 262(1985-2004); HardMar: 262; IsuTrk: 262(1997-2000); MercMar: 229, 262; OMC: 229, 262; ThermElec: 262; W	MS-1496P	STD,10,20,30 Case: 504 Diesel
Contents: (1)MB-2746P (4)MB-615P		Contents: (1)MB-2509A(F) (3)MB-2508A		Contents: (1)MB-2804W (3)MB-2805P (4)MB-2804P	
MS-1429G	STD,.25mm,.50mm,.75mm, 1.00mm ToyTrk: 3878(1972-1975), 4230(1975-1985)	MS-1454P	STD,1,10,20,30,40 Checker: 229(1980-1980); ChrisCft: 262; GMC: 200(1978-1979), 229(1980-1984), 262(1985-1993); GMC Trk.: 200(1978-1979), 229(1980-1984), 262(1985-2004); HardMar: 262; IsuTrk: 262(1997-2000); MercMar: 229, 262; OMC: 229, 262; ThermElec: 262; W	MS-1498P	STD,10,20,30 Case: 377, 377 Diesel, 401 Diesel, 451 Diesel
Contents: (1)MB-2747G (1)MB-2748G (1)MB-2749G(F) (1)MB-2750G		Contents: (1)MB-2509P(F) (3)MB-2508P		Contents: (3)MB-2105P (4)MB-2810P	
MS-1430P	STD,.25mm,.50mm,.75mm Chry: 122(1974-1978), 156(1978-1978); DodTrk: 143 Diesel(1983-1985); FordTrk: 140 Diesel(1985-1987); MitsTrk: 2346 Diesel(1983-1985)	MS-1455AL	STD,10,20,30 Ford: 1599(1978-1980); FordInd: 98(1978-1982)	MS-1499P	STD,.25mm ToyTrk: 2977 Diesel(1972-1984), 3168 Diesel(1977-1982), 3431 Diesel(1980-1984)
Contents: (1)MB-2752P(F) (4)MB-2751P		Contents: (2)MB-2758AL (3)MB-2759AL		Contents: (1)MB-2813P(F) (4)MB-2812P	
MS-1431P	STD,.25mm,.50mm,.75mm Hon: 1169(1973-1973), 1237(1974-1979), 1335(1980-1983), 1342(1984-1986), 1488(1975-1986), 1599(1976-1979), 1602(1982-1983), 1751(1979-1983)	MS-1456P	STD,.25mm,.50mm Toy: 1588(1972-1979), 1770(1980-1982)	MS-1500AL	STD,10 Onan: 50
Contents: (5)MB-2753P		Contents: (5)MB-623P		Contents: (2)MB-2528W (2)MB-2814AL	
		MS-1457P	STD,10,20,30 GMC: 340(1966-1967), 350(1968-1981); Jeep: 350(1968-1971)	MS-1509P	STD,.25mm,.50mm,.75mm MazInd: 1985(1971-1979)
		Contents: (1)MB-2449P(F) (1)MB-2484P (1)MB-2760P (2)MB-2448P		Contents: (1)MB-2825P (1)MB-2826P(F) (1)MB-2827P	
				MS-1521P	STD,.25mm Toy: 1858(1969-1971); ToyTrk: 1858(1969-1971)
				Contents: (1)MB-2850P (4)MB-615P	

NUMERICAL LISTING OF CLEVITE 77 MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-1523P	STD,1,10 GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-2548P(F) (4)MB-2853P	MS-1566P	STD,10,20 DetD: 500 Diesel Contents: (1)MB-2882P(F) (4)MB-2881P	MS-1604AL	STD,.25mm Eagle: 132(1988-1989); Peug: 2165(1985-1991); Ren: 2165(1984-1986) Contents: (5)MB-2948AL
MS-1524P	STD,10,20,30 GMC: 112(1982-1982) Contents: (1)MB-2855P(F) (1)MB-2856P (3)MB-2854P	MS-1567P	STD,10,20,30 GMC: 121(1983-1986); GMC Trk.: 121(1983-1984) Contents: (1)MB-2856P (1)MB-2883P(F) (3)MB-2854P	MS-1610AL	STD Vol: 141(1984-1987) Contents: (5)MB-3353AL
MS-1525P	STD,10,20 DetD: 212 Diesel Contents: (1)MB-2522W (5)MB-2857P	MS-1568P	STD,10,20,30,40 AMC: 150(1983-1986); Eagle: 150(1988-1989); Jeep: 150(1983-1990) Contents: (1)MB-2264P(F) (4)MB-2263P	MS-1616P	STD,10 GMC: 260 Diesel(1982-1985); GMC Trk.: 260 Diesel(1982-1983) Contents: (1)MB-2163P (1)MB-2362P (1)MB-2363P(F) (1)MB-2964P
MS-1526P	STD,10,20 Deere: 201, 227 Contents: (1)MB-2859P (2)MB-2858P	MS-1569P	STD,.25mm,.50mm NisTrk: 3956(1979-1990) Contents: (1)MB-2884P(F) (1)MB-84G (1)MB-85G (4)MB-83G	MS-1617AL	STD,.25mm,.50mm Toy: 1452(1980-1983), 1587(1983-1983) Contents: (5)MB-2965AL
MS-1527P	STD,10,20,30 Deere: 254 Diesel, 270 Diesel Contents: (1)MB-2859P (4)MB-2858P	MS-1571AL	STD,.25mm,.50mm,.75mm Sub: 1781(1980-1994); SubTrk: 1781(1981-1988) Contents: (1)MB-2890AL(F) (2)MB-2889AL	MS-1618P	STD,.25mm,.50mm Hon: 1598(1983-1990), 1829(1983-1987), 1955(1985-1989) Contents: (5)MB-2966P
MS-1528P	STD,10,20,30 Deere: 301, 341, 362 Contents: (1)MB-2859P (3)MB-2858P	MS-1572P	STD,.25mm,.50mm Sub: 1595(1978-1988); SubTrk: 1595(1978-1980) Contents: (1)MB-2891P(F) (2)MB-2739P	MS-1619P	STD,10,20 Alc: 516 Diesel; Buda: 516 Diesel Contents: (1)MB-2096W (1)MB-2300P (5)MB-2967P
MS-1529P	STD,10,20,30 Deere: 381 Diesel, 404 Diesel, 466 Diesel; FMC: 466 Diesel; Komler: 466 Diesel; RosBrwn: 466 Diesel; SullCorp: 466 Diesel Contents: (1)MB-2859P (6)MB-2858P	MS-1579P	STD,.50mm MbTrk: 5675 Diesel(1971-1976) Contents:	MS-1620P	STD,10,20 Alc: 200 Diesel Contents: (1)MB-2970P(F) (1)MB-2971P (3)MB-2969P
MS-1530P	STD,10 Alc: 779, 844 Diesel Contents: (1)MB-2314P (2)MB-2312P (4)MB-2313P	MS-1590P	STD,.25mm,.50mm,.75mm Toy: 2366(1982-1985); ToyTrk: 2366(1982-1995) Contents: (5)MB-2925P	MS-1621P	STD,10,20 Alc: 301 Diesel Contents: (1)MB-2970P(F) (1)MB-2971P (5)MB-2969P
MS-1531P	STD,10,20 Cum: 448 Diesel, 495 Diesel Contents: (1)MB-2862P (2)MB-2860P (2)MB-2861P	MS-1591AL	STD,.25mm ToyTrk: 2188 Diesel(1981-1983) Contents: (5)MB-2926AL	MS-1622P	STD,10,20 Alc: 200, 200 Diesel Contents: (1)MB-2971P (1)MB-2973P(F) (3)MB-2972P
MS-1533P	STD,.026mm,.25mm,.50mm,.75mm Chry: 135(1981-1994), 153(1986-1995); DodTrk: 135(1982-1988), 153(1987-1995) Contents: (1)MB-2864P(F) (4)MB-2863P	MS-1592P	STD,20 Cat: 522 Diesel, 573 Diesel, 636 Diesel; FordTrk: 522 Diesel(1968-1975), 573 Diesel(1968-1975), 636 Diesel(1970-1976); MasFer: 573 Diesel, 636 Diesel Contents: (1)MB-2930P(F) (4)MB-2929P	MS-1623P	STD,10,20 Alc: 265, 301, 301 Diesel Contents: (1)MB-2971P (1)MB-2973P(F) (5)MB-2972P
MS-1537AL	STD,.75mm MBenz: 2399 Diesel(1979-1983) Contents: (1)MB-2776AL (4)MB-19AL	MS-1593P	STD,20 Cat: 636 Diesel; MasFer: 636 Diesel Contents: (1)MB-2927P (1)MB-2930P(F) (3)MB-2929P	MS-1624P	STD,.25mm Deere: 619 Diesel Contents: (1)MB-2975P (6)MB-2974P
MS-1548AL	STD,10 MasFer: 354 Diesel; Perk: 354 Diesel, 372 Diesel; StksMar: 354 Diesel; WhiFarm: 354 Diesel Contents: (1)MB-2790AL (6)MB-2789AL	MS-1594P	STD,20 Cat: 636 Diesel; MasFer: 636 Diesel Contents: (1)MB-2928P (1)MB-2930P(F) (3)MB-2929P	MS-1625P	STD,10,20 Cum: 1150 Diesel Contents: (1)MB-2977W (2)MB-2976P (5)MB-2977P
MS-1557P	STD,.25mm,.50mm,.75mm Ford: 98(1981-1985) Contents: (1)MB-2866P(F) (4)MB-2865P	MS-1595P	.50mm Nis: 1488(1982-1984), 1597(1983-1988) Contents: (1)MB-2933P(F) (2)MB-2931P (2)MB-2932P	MS-1626P-10	10,20,30,40 Checker: 267(1980-1980), 305(1978-1980), 307(1968-1969), 327(1968-1969), 350(1969-1979); ChrisCit: 302, 305, 307, 327, 350; FlagMar: 305, 307, 327, 350; GMC: 262(1975-1976), 265(1994-1996), 267(1979-1982), 302(1968-1969), 305(1976-1993), 30 Contents: (1)MB-2981P(F) (4)MB-2508P
MS-1560AL	STD,.25mm,.50mm Maz: 1272(1978-1978), 1415(1979-1980), 1490(1981-1985); MazTrk: 1272(1978-1978) Contents: (5)MB-2870AL	MS-1596P	STD,10,20,30,40 FordTrk: 420 Diesel(1983-1987), 444 Diesel(1988-1994); NavInt: 420 Diesel(1980-1988), 444 Diesel(1988-1995) Contents: (1)MB-2935P(F) (4)MB-2934P	MS-1627P	STD,10,30 Clark: 69, 91; Cont: 69, 91, 112; MasFer: 91 Contents: (1)MB-1651P (1)MB-1652P (1)MB-2982P(F)
MS-1564P	STD,10 GMC: 400(1970-1980) Contents: (1)MB-2548P(F) (1)MB-2878C (4)MB-2604P	MS-1603AL	STD,.25mm AMC: 1965(1987-1987); Ren: 105(1985-1987), 1965(1987-1987) Contents: (5)MB-2947AL		
MS-1565P	STD,.25mm,.50mm,.75mm Nis: 1597(1987-1987), 1809(1984-1989), 1974(1982-1989), 1680 Diesel(1983-1986) Contents: (1)MB-2880P(F) (4)MB-2879P				

NUMERICAL LISTING OF CLEVITE 77 MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-1628P-10	10,20,30 Checker: 229(1980-1980); ChrisCft: 262; GMC: 200(1978-1979), 229(1980-1984), 262(1985-1993); GMC Trk.: 200(1978-1979), 229(1980-1984), 262(1985-2004); HardMar: 262; IsuTrk: 262(1997-2000); MercMar: 229, 262; OMC: 229, 262; ThermElec: 262; W	MS-1669P	STD,10 GMC: 111 Diesel(1981-1986); Isu: 1817 Diesel(1981-1984)	MS-1692P	STD,10,20,30 Ford: 171(1974-1979), 2551(1974-1976)
Contents: (1)MB-2981P(F) (3)MB-2508P		Contents: (1)MB-3052P (4)MB-3051P		Contents: (1)MB-2350W(U) (4)MB-2350P	
MS-1629AL	STD,10,20,30,40 Ford: 140(1984-1994), 153(1986-1991)	MS-1670P	STD,10 GMC: 140(1960-1961), 145(1961-1963), 164(1964-1969); GMC Trk.: 145(1961-1963); MilStd: 145	MS-1698P-20	20,30 Oliver: 155; Wauk: 155, 155 Diesel
Contents: (1)MB-2693AL(F) (1)MB-2986AL (3)MB-2692AL		Contents: (1)MB-2004G(F) (1)MB-2111P (2)MB-2005P		Contents: (1)MB-3096P(F) (2)MB-2610P	
MS-1632P	STD,10,20 Alc: 344 Diesel; Buda: 344 Diesel	MS-1680P	STD,10 Herc: 130, 149, 169, 130 Diesel, 149 Diesel, 169 Diesel	MS-1699P	STD,10 Wauk: 3560 Diesel
Contents: (1)MB-2096W (1)MB-2300P (3)MB-2967P		Contents: (1)MB-2092P(F) (3)MB-2185P		Contents: (1)MB-3075P(F) (4)MB-3076P	
MS-1633AL	STD,.25mm,.50mm ToyTrk: 2188 Diesel(1983-1983), 2446 Diesel(1984-1987)	MS-1681P	STD,10 Coshtt: 198; Herc: 173, 198, 226, 173 Diesel, 198 Diesel, 226 Diesel; Oliver: 198	MS-1700P	STD,10 Wauk: 5340 Diesel
Contents: (5)MB-2990AL		Contents: (1)MB-2092P(F) (4)MB-2185P		Contents: (1)MB-3075P(F) (6)MB-3076P	
MS-1637P	.25mm FordTrk: 3275(1999-2001)	MS-1683P-20	20 Checker: 267(1980-1980), 305(1978-1980), 307(1968-1969), 327(1968-1969), 350(1969-1979); ChrisCft: 302, 305, 307, 327, 350; FlagMar: 305, 307, 327, 350; GMC: 262(1975-1976), 265(1994-1996), 267(1979-1982), 302(1968-1969), 305(1976-1993), 30	MS-1701P	STD,10,20,30 DodTrk: 239(1987-2002)
Contents:		Contents: (1)MB-3060P(F) (4)MB-2508P		Contents: (1)MB-2559P (1)MB-2620P(F) (2)MB-2283P	
MS-1638P	.25mm,.75mm GMC: 98(1985-1997); Toy: 1452(1983-1988), 1587(1983-1997)	MS-1684P-20	20 Checker: 229(1980-1980); ChrisCft: 262; GMC: 200(1978-1979), 229(1980-1984), 262(1985-1993); GMC Trk.: 200(1978-1979), 229(1980-1984), 262(1985-2004); HardMar: 262; IsuTrk: 262(1997-2000); MercMar: 229, 262; OMC: 229, 262; ThermElec: 262; W	MS-1702P	STD,.25mm,.50mm,.75mm Ford: 183(1986-2004); FordTrk: 183(1986-2003); MazTrk: 183(1994-2003)
Contents: (5)MB-2998P		Contents: (1)MB-3060P(F) (3)MB-2508P		Contents: (1)MB-3094P(F) (1)MB-3095P (2)MB-3093P	
MS-1639AL-.25mm .25mm,.50mm,.75mm	.25mm,.50mm,.75mm Maz: 1998(1983-1987); MazTrk: 1998(1986-1987), 2184(1987-1987)	MS-1687P	STD,10,20,30,40 Cumm: 743, 855, 464 Diesel, 672 Diesel, 743 Diesel, 855 Diesel, 927 Diesel	MS-1703P	STD,.25mm,.50mm,.75mm GMC: 138(1987-1995); GMC Trk.: 138(1993-1996)
Contents:		Contents: (1)MB-2862P (3)MB-2860P (3)MB-2861P		Contents: (1)MB-3085P(F) (4)MB-3084P	
MS-1640P	STD,.25mm MazTrk: 2977 Diesel(1977-1990), 3455 Diesel(1984-1990)	MS-1688P-10	10,20,30 ChrisCft: 225; GMC: 181(1982-1988), 196(1978-1979), 204(1989-1990), 225(1964-1967), 231(1975-1990), 252(1980-1984); GMC Trk.: 231(1978-1984); Jeep: 225(1966-1971); OMC: 225; StksMar: 225; ThermElec: 225	MS-1704P	STD,10,20,30 GMC: 121(1987-1989), 134(1990-1997); GMC Trk.: 134(1994-1997); IsuTrk: 134(1996-1997)
Contents: (5)MB-3004P		Contents: (1)MB-2491P (1)MB-3063P(F) (2)MB-2433P		Contents: (1)MB-2883P(F) (4)MB-2854P	
MS-1642P	STD,10,20,30 IntTrac: 466 Diesel; NavInt: 466 Diesel(1984-1993)	MS-1689P-20	20,30 GMC: 300(1964-1967); OMC: 300(1964-1967)	MS-1705P	STD,.026mm,.25mm,.50mm,.75mm GMC: 252(1982-1988), 273(1988-1992), 300(1991-1995)
Contents: (1)MB-2629P(F) (6)MB-3009P		Contents: (1)MB-2491P (1)MB-3063P(F) (3)MB-2433P		Contents: (1)MB-2960P (1)MB-2962P(F) (1)MB-3103P (2)MB-2961P	
MS-1643P	STD,10,20,30 GMC: 151(1985-1991)	MS-1690P-20	20,30 ChrisCft: 225; GMC: 181(1982-1988), 196(1978-1979), 204(1989-1990), 225(1964-1967), 231(1975-1990), 252(1980-1984); GMC Trk.: 231(1978-1984); Jeep: 225(1966-1971); OMC: 225; StksMar: 225; ThermElec: 225	MS-1706P	STD,.25mm,.50mm,.75mm Ford: 116(1985-1996), 122(1997-2004)
Contents: (1)MB-3011P(F) (4)MB-3135P		Contents: (1)MB-2491P (1)MB-3063P(F) (2)MB-2433P		Contents: (1)MB-3074P(F) (4)MB-3073P	
MS-1651P	STD,.25mm,.50mm BMW: 2494(1969-1971), 2788(1969-1981), 2985(1975-1978), 3210(1978-1984), 3430(1985-1993), 3453(1987-1988)	MS-1691P-20	20,30 GMC: 300(1964-1967); OMC: 300(1964-1967)	MS-1707P	STD,.25mm,.50mm IsuTrk: 2775 Diesel(1973-1977), 3595 Diesel(1973-1977)
Contents: (1)MB-3017P(F) (6)MB-3016P		Contents: (1)MB-2491P (1)MB-3063P(F) (3)MB-2433P		Contents: (5)MB-3113P	
MS-1659P	STD,.25mm,.50mm,.75mm Audi: 1471(1973-1974), 1588(1975-1980), 1715(1981-1984), 1780(1984-1987), 1984(1988-1991), 1588 Diesel(1982-1983); Chry: 105(1978-1983); DodTrk: 105(1982-1983); VW: 1457(1978-1980), 1471(1974-1975), 1588(1976-1980), 1715(1981-1984), 1780(19	MS-1699P-20	20,30 ChrisCft: 225; GMC: 181(1982-1988), 196(1978-1979), 204(1989-1990), 225(1964-1967), 231(1975-1990), 252(1980-1984); GMC Trk.: 231(1978-1984); Jeep: 225(1966-1971); OMC: 225; StksMar: 225; ThermElec: 225	MS-1708AL	STD,.25mm,.50mm,.75mm GMC: 61(1985-2000); Suz: 993(1985-1993); SuzTrk: 993(1985-1985)
Contents: (1)MB-693AL(F) (4)MB-692AL		Contents: (1)MB-2491P (1)MB-3064P(F) (2)MB-2433P		Contents: (4)MB-3172AL	
MS-1668P	STD,.25mm,.50mm,.75mm Chry: 86(1979-1984), 92(1985-1994); Eagle: 92(1989-1996); Hyun: 1468(1986-1994); Mits: 1468(1985-1998)	MS-1699P-20	20,30 GMC: 300(1964-1967); OMC: 300(1964-1967)	MS-1710AL	STD,.25mm Toy: 1839 Diesel(1984-1985), 1974 Diesel(1986-1986)
Contents: (1)MB-3050P(F) (4)MB-3049P		Contents: (1)MB-2491P (1)MB-3064P(F) (3)MB-2433P		Contents: (5)MB-3193AL	
		MS-1691P-20	20,30 GMC: 300(1964-1967); OMC: 300(1964-1967)	MS-1711P	STD,.25mm NisInd: 2164 Diesel(1981-1983); NisTrk: 2164 Diesel(1981-1983), 2488 Diesel(1983-1986)
		Contents: (1)MB-2491P (1)MB-3064P(F) (3)MB-2433P		Contents: (5)MB-3116P	
				MS-1712P	STD,.25mm,.50mm,.75mm MitsInd: 2659 Diesel(1971-1991)
				Contents: (5)MB-3115P	
				MS-1714AL	STD,.25mm,.50mm Toy: 1995(1983-1986), 1998(1986-1995), 2164(1990-1998); ToyTrk: 1998(1996-1998)
				Contents: (1)MB-3201AL (4)MB-3200AL	

NUMERICAL LISTING OF CLEVITE 77 MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-1715AL	STD.,25mm.,50mm.,75mm ToyTrk: 1998(1984-1985), 2237(1986-1990) Contents: (5)MB-3207AL	MS-1744P-10	10,20,30 Checker: 267(1980-1980), 305(1978-1980), 307(1968-1969), 327(1968-1969), 350(1969-1979); ChrisCft: 302, 305, 307, 327, 350; FlagMar: 305, 307, 327, 350; GMC: 262(1975-1976), 265(1994-1996), 267(1979-1982), 302(1968-1969), 305(1976-1993), 30 Contents: (1)MB-3119P(F) (4)MB-2508P	MS-1776AL	STD.,25mm.,50mm.,75mm GMC: 92(1985-1989), 98(1990-1990); Isu: 1471(1985-1989), 1588(1989-1990) Contents: (5)MB-3150AL
MS-1716P	STD.,25mm.,50mm.,75mm Cum: 611 Diesel, 661 Diesel Contents: (1)MB-3078W (7)MB-3077P	MS-1745P-10	10,20,30 ChrisCft: 454; FlagMar: 427, 454; GMC: 396(1965-1971), 402(1970-1972), 427(1966-1969), 454(1970-1976); GMC Trk.: 366(1966-1998), 396(1966-1971), 402(1970-1972), 427(1966-1998), 454(1970-2000); GMCMar: 427(1990-1992), 502(1990-1995); HardMar Contents: (1)MB-3120P(F) (4)MB-2403P	MS-1777P	STD.,25mm.,50mm.,75mm, 1.00mm ToyTrk: 3956(1988-1992), 4230(1984-1987) Contents: (1)MB-2747G (1)MB-2748G (1)MB-3195P (1)MB-3196P
MS-1717P	STD.,25mm.,50mm.,75mm Case: 359 Diesel; Cum: 359 Diesel; DodTrk: 359 Diesel(1989-2003) Contents: (1)MB-3109P(F) (6)MB-3110P	MS-1746P-10	10,20,30 CommMar: 302; DearbMar: 289, 302; Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-1995); FordMar: 221, 260, 289, 302; FordTrk: 255(1981-1982), 260(1964-1964), 289(1965-1968), 302(1968-2001); GlasMar: 302; HolM Contents: (1)MB-3124P(F) (4)MB-2121P	MS-1778P	STD.,25mm FordTrk: 134 Diesel(1983-1984); MazTrk: 2209 Diesel(1982-1984) Contents: (1)MB-3171P (4)MB-3170P
MS-1718P	STD.,25mm.,50mm.,75mm Case: 239 Diesel; Cum: 239 Diesel Contents: (1)MB-3109P(F) (4)MB-3110P	MS-1747P-10	10,20,30 ChrisCft: 225; GMC: 181(1982-1988), 196(1978-1979), 204(1989-1990), 225(1964-1967), 231(1975-1990), 252(1980-1984); GMC Trk.: 231(1978-1984); Jeep: 225(1966-1971); OMC: 225; StksMar: 225; ThermElec: 225 Contents: (1)MB-2491P (1)MB-3125P(F) (2)MB-2433P	MS-1779AL	STD.,25mm.,50mm.,75mm GMC: 79(1992-1999); Suz: 1298(1989-1994); SuzTrk: 1298(1989-1995), 1324(1986-1989) Contents: (5)MB-3172AL
MS-1719P	STD.,25mm.,50mm.,75mm Case: 180 Diesel; Cum: 180 Diesel Contents: (1)MB-3109P(F) (2)MB-3110P	MS-1748P-10	10,20 ChrisCft: 454; FlagMar: 427, 454; GMC: 396(1965-1971), 402(1970-1972), 427(1966-1969), 454(1970-1976); GMC Trk.: 366(1966-1998), 396(1966-1971), 402(1970-1972), 427(1966-1998), 454(1970-2000); GMCMar: 427(1990-1995), 502(1990-1995); HardMar Contents: (1)MB-2404P(F) (4)MB-3123P	MS-1780AL	STD.,25mm.,50mm.,75mm Ford: 122 Diesel(1984-1987); Maz: 1998 Diesel(1984-1985) Contents: (1)MB-3169AL (4)MB-3168AL
MS-1720P	STD.,25mm.,50mm.,75mm Chry: 181(1988-1996); DodTrk: 181(1987-2000); Hyun: 2972(1989-1998); Mits: 2972(1988-1999); MitsTrk: 2972(1989-1998) Contents: (4)MB-3108P	MS-1751P	STD.,25mm IsuTrk: 2775 Diesel(1981-1990), 3268 Diesel(1981-1984), 3595 Diesel(1981-1990) Contents: (1)MB-3134P (4)MB-3133P	MS-1782P	STD.,25mm.,50mm.,75mm Ford: 232(1989-1995) Contents: (1)MB-3138P (1)MB-3188P(F) (2)MB-3187P
MS-1732M	STD,1,10 GMC: 366(1966-1998), 396(1965-1970), 402(1970-1972), 427(1966-1998), 454(1970-2000), 502(1966-1998) Contents: (1)MB-2404P(F) (4)MB-3111M	MS-1752P	STD.,25mm.,50mm IsuTrk: 3856 Diesel(1985-1999) Contents: (1)MB-3149P (4)MB-3148P	MS-1784AL	STD Daih: 547(1984-1986) Contents: (3)MB-3145AL
MS-1733P	STD,1,10,20,30,40 AMC: 151(1980-1983); ChrisCft: 181; GMC: 151(1977-1992), 153(1962-1970), 2.0L(1983-1987), 2.5L(1986-1992), 2.7L(1982-1982), 3.0L(1981-1983), 3.3L(1980-1983); GMC Trk.: 151(1985-1993), 153(1963-1970); GMCMar: 181; HardMar: 181; Jeep: 151(198) Contents: (1)MB-2588P(F) (4)MB-3135P	MS-1753AL	STD.,25mm.,50mm Suz: 797(1977-1990), 970(1982-1990); SuzTrk: 970(1982-1985) Contents: (5)MB-3132AL	MS-1785AL	STD.,25mm Daih: 843(1984-1990), 993(1984-1992) Contents: (4)MB-3146AL
MS-1735P	STD.,25mm.,50mm NisInd: 3298 Diesel(1978-1990), 3465 Diesel(1986-1990) Contents: (5)MB-3179P	MS-1773P	STD.,25mm.,50mm Ford: 183(1989-1995), 195(1993-1995) Contents: (2)MB-3126P (2)MB-3127P	MS-1787P	STD.,25mm.,50mm IsuTrk: 5393 Diesel(1972-1976) Contents: (7)MB-3113P
MS-1738P	STD.,25mm.,50mm GMC Trk.: 137 Diesel(1984-1985), 2238 Diesel(1981-1982); IsuInd: 119 Diesel(1984-1984); IsuTrk: 2238 Diesel(1981-1987) Contents: (1)MB-3159P (2)MB-3157P (2)MB-3158P	MS-1774P	STD.,25mm.,50mm.,75mm, 1.00mm Toy: 2759(1984-1988), 2954(1987-1992) Contents: (1)MB-3198P (6)MB-3199P	MS-1789P	1.00mm Daih: 2765(1989-1993) Contents: (1)MB-3152P(F) (2)MB-3151P (2)MB-856P
MS-1739AL	STD Daih: 843(1982-1984), 993(1977-1984) Contents: (4)MB-3144AL	MS-1775P	STD.,25mm.,50mm.,75mm Isu: 1949(1986-1987), 1994(1985-1989), 2254(1987-1989); IsuTrk: 1949(1986-1987), 2254(1986-1995) Contents: (5)MB-3061P	MS-1791AL	10,20 DbTrac: 164 Contents: (4)MB-3211AL
MS-1740P	STD.,25mm.,50mm Case: 505 Diesel; Cum: 505 Diesel Contents: (1)MB-3105P(F) (6)MB-3104P			MS-1792AL	STD,10,20,30 DbTrac: 219 Contents: (3)MB-3212AL
MS-1741P	STD,10,20 MercMar: 224 Contents: (1)MB-3118P(F) (4)MB-3117P			MS-1795M	STD,20 Chry: 426(1963-1971) Contents: (1)MB-3249M(F) (4)MB-3248M
MS-1743P	STD.,25mm.,50mm.,75mm Ford: 140(1991-1993); FordInd: 140(1989-1993); FordTrk: 140(1989-1997), 153(1998-2001); MazTrk: 140(1994-1997), 153(1998-2001) Contents: (1)MB-3130P(F) (4)MB-3137P			MS-1795V	STD Chry: 426(1963-1971) Contents: (1)MB-3249V(F) (4)MB-3248V
				MS-1798P	STD.,25mm.,50mm IsuTrk: 5393 Diesel(1980-1990), 5785 Diesel(1980-1990), 6130 Diesel(1980-1990) Contents: (7)MB-3149P
				MS-1799P	STD.,25mm.,50mm.,75mm IsuTrk: 2499 Diesel(1985-1990) Contents: (5)MB-3160P
				MS-1800P	STD.,25mm IsuTrk: 2771 Diesel(1985-1990) Contents: (5)MB-3161P

NUMERICAL LISTING OF CLEVITE 77 MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-1801AL	STD,.25mm,.50mm GMC: 98(1988-1993) Contents: (1)MB-3167AL(F) (4)MB-3166AL	MS-1822P	STD,10,20,30 GMC: 204(1991-1993), 231(1990-1993); GMC Trk.: 231(1992-1993) Contents: (1)MB-3214P(F) (1)MB-3215P (2)MB-3213P	MS-1983P	STD,10,20,30 Ford: 159(1972-1973), 171(1974-1974), 2551(1970-1974), 2900(1988-1990); FordTrk: 171(1983-1986), 177(1986-1989) Contents: (1)MB-3416P(F) (3)MB-2350P
MS-1802AL	STD,.25mm,.50mm,.75mm Ford: 81(1988-1997), 98(1987-1994), 112(1991-1996); Kia: 1597(1994-1997), 1839(1995-1997); Maz: 1489(1995-1998), 1597(1986-1995), 1839(1990-1997) Contents: (5)MB-3173AL	MS-1864P	STD,10 Jag: 4235(1964-1987) Contents: (1)MB-3251P (2)MB-3250P (4)MB-3252P	MS-2000P	STD,10 Cat: 318 Diesel Contents: (1)MB-3451W (2)MB-3414P (3)MB-3415P
MS-1803AL	STD,.25mm,.50mm,.75mm Ford: 134(1989-1992); KiaTrk: 1998(1995-2002); Maz: 1998(1987-1987), 2184(1988-1992); MazTrk: 1998(1987-1987), 2184(1987-1993) Contents: (1)MB-3175AL(F) (4)MB-3174AL	MS-1945AL	STD,.25mm,.50mm,.75mm Chry: 122(1978-1979), 156(1978-1989); DodTrk: 122(1979-1982), 156(1979-1989); MazTrk: 2555(1987-1988); Mits: 2555(1983-1989); MitsTrk: 2555(1983-1989) Contents: (1)MB-3339AL(F) (4)MB-3053AL	MS-2001P	STD,.25mm,.50mm Komatsu: 19260 Diesel Contents: (2)MB-3450P (5)MB-3449P
MS-1804P	STD,.25mm,.50mm Acura: 1590(1986-2000); Hon: 1590(1988-2000), 1958(1988-1991), 2056(1990-1991), 2157(1998-2001) Contents: (5)MB-3176P	MS-1946P	STD,.25mm,.50mm,.75mm Chry: 201(1990-1997), 230(1991-1993); DodTrk: 201(1990-2002), 230(1994-2005); Eagle: 201(1993-1997) Contents: (1)MB-3107P(F) (3)MB-3340P	MS-2002P	STD,10,20,30 Alc: 426 Diesel Contents: (1)MB-2689W (2)MB-2689P (5)MB-2688P
MS-1805P	STD,.25mm Acura: 2494(1986-1987), 2675(1987-1990); Sterl: 2494(1987-1988), 2675(1988-1991) Contents: (4)MB-3177P	MS-1947P	STD,10,20,30 Jeep: 242(1991-2001) Contents: (1)MB-3338P(F) (6)MB-3337P	MS-2003P	STD,.25mm,.50mm,.75mm Sub: 997(1983-1990), 1189(1987-1994) Contents: (1)MB-3460P(F) (3)MB-3459P
MS-1806AL	STD,.25mm,.50mm Hon: 1342(1984-1987), 1488(1987-1987), 1493(1988-1995) Contents: (5)MB-3178AL	MS-1948P	STD,10,20,30 DodTrk: 150(1996-2002); Jeep: 150(1991-2002) Contents: (1)MB-3338P(F) (4)MB-3337P	MS-2005P	STD Sub: 2672(1988-1991) Contents: (1)MB-3464P(F) (3)MB-3463P
MS-1811P	STD Jag: 5343(1971-1992) Contents: (1)MB-3185P (1)MB-3186P (5)MB-3184P	MS-1949P	STD,.25mm,.50mm Nis: 2389(1989-2001); NisTrk: 2389(1989-2002) Contents: (1)MB-3342P(F) (4)MB-3341P	MS-2006P	STD,10,20,30 FordTrk: 177(1990-1992), 244(1990-2003); MazTrk: 4016(1991-2001) Contents: (1)MB-3467P(F) (3)MB-3202P
MS-1812A-.25mm .25mm,.50mm,.75mm	Ford: 232(1982-2004), 238(2004-2004); FordTrk: 232(1982-2003), 238(2004-2004), 256(1997-2005) Contents: (1)MB-3188A(F) (3)MB-3187A	MS-1950P	STD,.25mm,.50mm Nis: 1597(1989-1998) Contents: (5)MB-3343P	MS-2007H	STD,.026mm,.25mm Ford: 281(1991-2004) Contents: (1)MB-3139W (1)MB-3140H(F) (4)MB-3139H
MS-1812P	STD,.25mm,.50mm,.75mm Ford: 232(1982-2004), 238(2004-2004); FordTrk: 232(1982-2003), 238(2004-2004), 256(1997-2005) Contents: (1)MB-3188P(F) (3)MB-3187P	MS-1951P	STD,.25mm,.50mm FordTrk: 2960(1993-1998), 3275(1999-2002); Inf: 2960(1990-1997); InfTrk: 3275(1997-1998); Nis: 2960(1984-1996); NisTrk: 2960(1986-1998), 3275(1996-2000) Contents: (1)MB-3344P (1)MB-3346P(F) (2)MB-3345P	MS-2007HX	STD Ford: 281(1991-2004) Contents: (1)MB-3139W (1)MB-3140HX(F) (4)MB-3139HX
MS-1814AL	STD,.25mm,.50mm Toy: 1839 Diesel(1985-1990), 1974 Diesel(1985-1990) Contents: (5)MB-3194AL	MS-1952P	STD,.25mm,.50mm Maz: 2954(1988-1995); MazTrk: 2954(1989-1998) Contents: (4)MB-3347P	MS-2007P	STD,.25mm,.50mm,.75mm Ford: 281(1993-2004); FordTrk: 281(1997-2004) Contents: (1)MB-3139W (1)MB-3140P(F) (4)MB-3139P
MS-1816P	STD,.25mm,.50mm ToyInd: 1994(1978-1986); ToyTrk: 1994(1978-1982) Contents: (1)MB-1315P (2)MB-1317P	MS-1953AL	STD,.25mm,.50mm Toy: 1456(1987-1994), 1497(1992-1998) Contents: (5)MB-3348AL	MS-2008P	STD Mack: 335 Diesel, 377 Diesel Contents: (7)MB-3470P
MS-1820AL	STD,.25mm,.50mm,.75mm GMC Trk.: 97(1989-2002); Suz: 1590(1995-1998); SuzTrk: 1590(1989-1998) Contents: (5)MB-3209AL	MS-1954P	STD,.25mm,.50mm Lex: 2507(1990-1991), 2959(1992-1993); Toy: 1992(1987-1995), 2496(1988-1995), 2507(1988-1991), 2959(1992-1993) Contents: (1)MB-3349P (3)MB-3350P	MS-2009P	STD,.25mm,.50mm Sat: 116(1991-2002) Contents: (1)MB-3469P(F) (4)MB-3468P
MS-1821AL	STD,.25mm,.50mm HonTrk: 2559(1994-1996); IsuTrk: 2559(1988-1997) Contents: (5)MB-3210AL	MS-1955P	STD,.25mm,.50mm,.75mm Toy: 1345(1967-1978); ToyInd: 1345(1967-1978), 1493(1967-1992); ToyTrk: 1345(1967-1975), 1493(1972-1978) Contents: (3)MB-3355P	MS-2010P	STD,.25mm,.50mm,.75mm Chry: 215(1993-1997); Eagle: 215(1993-1997) Contents: (1)MB-3471P(F) (3)MB-3340P
		MS-1982P	STD,10,20 Mack: 728 Diesel Contents: (1)MB-3410P (1)MB-3412P (1)MB-3413P (4)MB-3411P	MS-2011P	STD,.25mm,.50mm ToyTrk: 2958(1988-1995) Contents: (1)MB-3472P (3)MB-3350P
				MS-2012P	STD,.25mm,.50mm Acura: 2156(1997-1997); Hon: 2156(1990-1997), 2157(1993-1997), 2259(1992-1996); HonTrk: 2156(1995-1997) Contents: (5)MB-3474P
				MS-2013P	STD,.25mm Lex: 3969(1990-1998) Contents: (2)MB-3475P (3)MB-3476P

NUMERICAL LISTING OF CLEVITE 77 MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-2014AL	STD,.25mm Lex: 2997(1992-1998); Toy: 2997(1993-1998)	MS-2037P	STD,.25mm,.50mm,.75mm, 1.00mm GMC: 173(1985-1989), 189(1988-2003), 207(1991-2003); GMC Trk.: 173(1985-1993), 189(1990-1995), 207(1996-2003); IsuTrk: 2827(1989-1991), 3137(1991-1994); Jeep: 173(1985-1987)	MS-2062AL	STD,.25mm,.50mm Sub: 1820(1993-1997), 2212(1990-1998), 2457(1996-1998); SubTrk: 2457(1998-1998)
Contents: (1)MB-3477AL (6)MB-3550AL		Contents: (1)MB-3512P (1)MB-3513P(F) (2)MB-3511P		Contents: (1)MB-3553AL(F) (2)MB-3552ALA (2)MB-3552ALB	
MS-2015P	STD,.25mm Inf: 1998(1991-1996); Nis: 1998(1991-1998)	MS-2038P-10	10,20,30 GMC: 400(1970-1976); GMC Trk.: 400(1974-1980)	MS-2063AL	STD,.25mm Daih: 1295(1989-1992), 1296(1989-1993); DaihTrk: 1589(1989-1995)
Contents: (5)MB-3478P		Contents: (1)MB-3510P(F) (4)MB-2562P		Contents: (5)MB-3554AL	
MS-2016P	STD,.25mm UD Truck: 6925 Diesel(1980-1998)	MS-2039P	STD,.25mm,.50mm Chry: 122(1992-1994), 144(1993-1994); DodTrk: 144(1993-1993); Eagle: 122(1992-1998), 144(1992-1996); Hyun: 1997(1992-1998); Mits: 1997(1992-1997), 2351(1994-1997); MitsTrk: 2351(1989-1997)	MS-2064P	STD,.25mm,.50mm Cat: 268 Diesel
Contents: (7)MB-3480P		Contents: (1)MB-3505P(F) (4)MB-3504P		Contents: (1)MB-3454P (1)MB-3456P(F) (3)MB-3455P	
MS-2017P	STD,.25mm,.50mm Asuna: 110(1992-1993); GMC: 98(1990-1993), 110(1992-1993); Isu: 1588(1990-1993), 1809(1992-1993); Passpt: 1809(1992-1993)	MS-2042P	STD,.25mm,.50mm,.75mm Nis: 1952(1974-1981), 2187(1982-1983); NisTrk: 1952(1975-1985), 2187(1981-1983), 2389(1983-1989)	MS-2065P	STD,.25mm,.50mm Cat: 403 Diesel, 442 Diesel
Contents: (5)MB-3481P		Contents: (1)MB-2885P (1)MB-2888P (1)MB-3519P(F) (2)MB-2886P		Contents: (1)MB-3456P(F) (3)MB-3454P (3)MB-3455P	
MS-2018P	STD,10,20 Cummm: 2301 Diesel	MS-2043P	.50mm,.75mm Chry: 98(1971-1990), 107(1989-1994), 122(1984-1992), 144(1992-1992); DodTrk: 122(1983-1989), 144(1990-1992); Eagle: 98(1989-1990), 122(1989-1992), 144(1992-1992); Hyun: 1439(1984-1987), 1597(1985-1988), 1997(1985-1989), 2351(1989-1991); Hyu	MS-2067V	STD Chry: 426(1963-1971)
Contents: (1)MB-3453W (2)MB-3453P (5)MB-3452P		Contents: (1)MB-3520P(F) (4)MB-2869P		Contents: (5)MB-3564V	
MS-2019P	STD,10,20 Cummm: 3068 Diesel	MS-2046P	STD,.25mm,.50mm,.75mm Maz: 1998(1983-1987); MazTrk: 1998(1986-1987), 2184(1987-1987)	MS-2068P	STD,.25mm,.50mm GMC: 110(1982-1986), 122(1987-1994); Passpt: 122(1989-1990)
Contents: (1)MB-3453W (2)MB-3453P (7)MB-3452P		Contents: (1)MB-3523P(F) (4)MB-2999P		Contents: (1)MB-3565P(F) (4)MB-2791P	
MS-2020P	STD,10,20,30 Cat: 318 Diesel	MS-2055P	STD,.25mm,.50mm Komatsu: 12840 Diesel(1971-1994)	MS-2069P-.25mm .25mm,.50mm	Chry: 122(1974-1978), 156(1978-1978); DodTrk: 143 Diesel(1983-1985); FordTrk: 140 Diesel(1985-1987); MitsTrk: 2346 Diesel(1983-1985)
Contents: (1)MB-2580W (2)MB-2734P (3)MB-2733P		Contents: (1)MB-3450P (4)MB-3449P		Contents: (1)MB-3566P(F) (4)MB-2751P	
MS-2021P	STD,10,20,30 GMC: 231(1994-1994); GMC Trk.: 231(1994-1994)	MS-2056P	STD,.25mm,.50mm,.75mm GMC: 146(1996-2002)	MS-2070P-.25mm .25mm,.50mm	Audi: 1471(1973-1974), 1588(1975-1980), 1715(1981-1984), 1780(1984-1987), 1984(1988-1991), 1588 Diesel(1982-1983); Chry: 105(1978-1983); DodTrk: 105(1982-1983); VW: 1457(1978-1980), 1471(1974-1975), 1588(1976-1980), 1715(1981-1984), 1780(19
Contents: (1)MB-3214P(F) (1)MB-3494P (2)MB-3213P		Contents: (1)MB-3515P(F) (4)MB-3514P		Contents: (1)MB-3567P(F) (4)MB-692AL	
MS-2022P	STD,10,20,30 GMC: 231(1995-2004); GMC Trk.: 231(1995-1995)	MS-2057AL	STD,.25mm,.50mm Ford: 122(1993-1997); Maz: 1991(1993-2002)	MS-2072P	STD,.25mm,.50mm Nis: 1488(1982-1984), 1597(1983-1988)
Contents: (1)MB-3213P (1)MB-3214P(F) (1)MB-3494P (1)MB-3495P		Contents: (5)MB-3544AL		Contents: (1)MB-3568P(F) (2)MB-2931P (2)MB-2932P	
MS-2028P	STD,.25mm,.50mm Chry: 122(1995-2003), 2.0L(1995-2004); Eagle: 122(1995-1998); Mits: 122(1995-1999)	MS-2058AL	STD,.25mm,.50mm Ford: 153(1993-1997); Maz: 2254(1995-1996), 2497(1993-1998)	MS-2073P-.25mm .25mm,.50mm	Nis: 1597(1987-1987), 1809(1984-1989), 1974(1982-1989), 1680 Diesel(1983-1986)
Contents: (1)MB-4000P(F) (4)MB-4001P		Contents: (1)MB-3546AL (3)MB-3545AL		Contents: (1)MB-3569P(F) (4)MB-2879P	
MS-2030P	STD,10,20,30 FordTrac: 401 Diesel(1986-1997), 476 Diesel(1987-1997); FordTrk: 401 Diesel(1986-1995), 474 Diesel(1987-1995)	MS-2060P	STD,.25mm Inf: 4130(1997-1998), 4494(1990-1996)	MS-2074P-.25mm .25mm,.50mm	FordTrk: 2960(1993-1998), 3275(1999-2002); Inf: 2960(1990-1996); InfTrk: 3275(1997-1998); Nis: 2960(1984-1996); NisTrk: 2960(1986-1998), 3275(1996-2000)
Contents: (1)MB-4005P(F) (6)MB-4004P		Contents: (1)MB-3549P (2)MB-3547P (2)MB-3548P		Contents: (1)MB-2995P (1)MB-3570P(F) (2)MB-2996P	
MS-2034P	STD,10,20,30 FordTrk: 444 Diesel(1994-2003); MercMar: 444 Diesel; NavInt: 444 Diesel(1994-1999)	MS-2061AL	STD,.25mm,.50mm,.75mm LexTrk: 4476(1996-1997); ToyTrk: 4476(1993-1997)	MS-2075P-.25mm .25mm,.50mm	Chry: 86(1979-1984), 92(1985-1994); Eagle: 92(1989-1996); Hyun: 1468(1986-1994); Mits: 1468(1985-1998)
Contents: (1)MB-3498P(F) (4)MB-3497P		Contents: (7)MB-3551AL		Contents: (1)MB-3571P(F) (4)MB-3049P	
MS-2035AL	STD,.25mm,.50mm MazTrk: 2606(1989-1994)				
Contents: (1)MB-3503AL(F) (4)MB-3502AL					
MS-2037A-.25mm .25mm,.50mm,.75mm	GMC: 173(1985-1989), 189(1988-2003), 207(1991-2003); GMC Trk.: 173(1985-1993), 189(1990-1995), 207(1996-2003); IsuTrk: 2827(1989-1991), 3137(1991-1994); Jeep: 173(1985-1987)				
Contents: (1)MB-3512A (1)MB-3513A(F) (2)MB-3511A					

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Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-2076P	STD.,25mm.,50mm Chry: 98(1971-1990), 107(1989-1992), 122(1984-1992); DodTrk: 122(1983-1989), 144(1990-1992); Eagle: 98(1989-1990), 122(1989-1992), 144(1992-1992); Hyun: 1439(1984-1987), 1595(1992-1995), 1597(1985-1988), 1997(1985-1989), 2351(1989-1991); Hy	MS-2089P-10	10,20 ChryMar: 109, 122; Vol: 109(1961-1968), 121(1969-1975), 130(1976-1985), 141(1983-1984); VolPen: 121(1969-1975)	MS-2200P	STD,10,20,30 DodTrk: 488(1994-2003)
Contents: (1)MB-3572P(F) (4)MB-2869P		Contents: (1)MB-3585P(F) (4)MB-2373P		Contents: (1)MB-3508P(F) (2)MB-3506P (3)MB-3507P	
MS-2077P-.25mm .50mm Nis: 1171(1971-1973), 1237(1980-1982), 1288(1973-1974), 1397(1975-1982), 1488(1979-1982)		MS-2090P-10	10,20 Vol: 182(1969-1975)	MS-2201P	STD.,25mm.,50mm Chry: 148(1995-2004); DodTrk: 148(1996-2004)
Contents: (1)MB-3573P(F) (2)MB-634P (2)MB-635P		Contents: (1)MB-3585P(F) (6)MB-2373P		Contents: (1)MB-3595P(F) (4)MB-3594P	
MS-2078P-.25mm .25mm,50mm Nis: 1595(1968-1973), 1770(1973-1974); NisTrk: 1595(1969-1973), 1770(1974-1974)		MS-2091P	STD.,026mm.,25mm.,50mm, .75mm GMC Trk.: 379 Diesel(1982-1993), 395 Diesel(1992-2002); Hummer: 379 Diesel(1992-1993), 395 Diesel(1994-2002); Workhorse: 395 Diesel(2000-2002)	MS-2202P	STD.,25mm.,50mm.,75mm Ford: 281(1996-2004); FordTrk: 281(1997-2004), 330(1997-2003)
Contents: (1)MB-3574P(F) (1)MB-606P (1)MB-609P (2)MB-607P		Contents: (1)MB-3588P(F) (1)MB-3589P (3)MB-3587P		Contents: (1)MB-3139W (1)MB-3752P (4)MB-3139P	
MS-2079P-.25mm .25mm,50mm Nis: 1982(1968-1970); NisInd: 1982(1967-1992)		MS-2092P	STD,10,20 DetD:	MS-2203P	STD.,25mm.,50mm.,75mm FordTrk: 415(1997-2004)
Contents: (1)MB3575P(F) (2)MB-637P (2)MB-638P		Contents: (1)MB-3562P (4)MB-3561P		Contents: (1)MB-3139W (1)MB-3752P (5)MB-3139P	
MS-2080P-.25mm .25mm,50mm Nis: 2389(1989-2001); NisTrk: 2389(1989-2002)		MS-2093P	STD,10,20 DetD: 677, 677 Diesel, 778 Diesel	MS-2204P	STD.,25mm.,50mm.,75mm Ford: 281(1991-1992)
Contents: (1)MB-3576P(F) (4)MB-3341P		Contents: (1)MB-3562P (6)MB-3561P		Contents: (1)MB-3139W (1)MB-3755P(F) (4)MB-3139P	
MS-2081P-.25mm .25mm,50mm Nis: 2393(1970-1984), 2565(1974-1974), 2753(1975-1983), 2793 Diesel(1981-1983)		MS-2095P	STD.,25mm.,50mm Acura: 1678(1992-1993), 1797(1994-2001), 1834(1990-2001); Hon: 1595(1994-2000); HonTrk: 1972(1997-2001)	MS-2205P	STD,10,20,30 GMC: 134(1998-2002); GMC Trk.: 134(1998-2003); IsuTrk: 134(1998-2000)
Contents: (1)MB-3577P(F) (2)MB-631P (4)MB-632P		Contents: (5)MB-3760P		Contents: (1)MB-2883P(F) (1)MB-3749P (3)MB-2854P	
MS-2082P-.25mm .25mm NisTrk: 3956(1979-1990)		MS-2096P	STD,10,20 DetD: 530(1995-2001), 466 Diesel(1995-2001), 530 Diesel(1995-2001); NavInt: 466(1994-1997), 408 Diesel(1996-1998), 466 Diesel(1994-2000), 530 Diesel(1995-1999); Perk: 466 Diesel, 530 Diesel	MS-2206P	STD.,25mm.,50mm.,75mm GMC: 244(1995-2002), 281(1993-2002)
Contents: (1)MB-3578P(F) (1)MB-84G (1)MB-85G (4)MB-83G		Contents: (1)MB-3556P(F) (6)MB-3555P		Contents: (1)MB-3759P(F) (4)MB-3758P	
MS-2083P	STD.,25mm Sub: 1088(1971-1971), 1267(1972-1972), 1361(1973-1976), 1595(1976-1978); SubTrk: 1595(1976-1978)	MS-2197P	STD.,25mm Komatsu: 674 Diesel	MS-2207P	STD.,25mm.,50mm.,75mm Ford: 155(1995-2002), 181(1996-2004); FordTrk: 181(2001-2003); MazTrk: 181(2001-2003)
Contents: (1)MB-3579P(F) (2)MB-2739P		Contents: (7)MB-3748P		Contents: (1)MB-3750W (1)MB-3751P(F) (3)MB-3750P	
MS-2084P-.25mm .25mm,50mm Sub: 1595(1978-1988); SubTrk: 1595(1978-1980)		MS-2198AL	STD.,25mm.,50mm Ford: 281(1993-2004); FordTrk: 281(2002-2004)	MS-2208H	STD.,026mm.,25mm Ford: 1989(1995-2003); Maz: 1989(2001-2003)
Contents: (1)MB-3580P(F) (2)MB-2739P		Contents: (1)MB-3139W (1)MB-3773AL(F) (4)MB-3772AL		Contents: (1)MB-3754H(F) (4)MB-3753H	
MS-2085P-.25mm .25mm,50mm Toy: 1858(1969-1971), 1968(1972-1974); ToyTrk: 1858(1969-1971), 1968(1972-1974)		MS-2199H	STD,1,10 GMC: 294(1999-2004), 325(1999-2004), 346(1997-2004), 365(1999-2004)	MS-2208HX	STD Ford: 1989(1995-2003); Maz: 1989(2001-2003)
Contents: (1)MB-3581P(F) (4)MB-615P		Contents: (1)MB-3592H(F) (4)MB-3591H		Contents: (1)MB-3754HX(F) (4)MB-3753HX	
MS-2086P-.25mm .25mm,50mm ToyTrk: 2977 Diesel(1972-1984), 3168 Diesel(1977-1982), 3431 Diesel(1980-1984)		MS-2199HK	STD,1,10 GMC: 294(1999-2004), 325(1999-2004), 346(1997-2004), 365(1999-2004)	MS-2208P	STD.,25mm.,50mm.,75mm Ford: 1989(1995-2003); FordTrk: 1989(2001-2003); MazTrk: 1989(2001-2003)
Contents: (1)MB-3582P(F) (4)MB-2812P		Contents: (1)MB-3592H(F) (4)MB-3591H		Contents: (1)MB-3754P(F) (4)MB-3753P	
MS-2087P-.25mm .25mm,50mm ToyTrk: 3878(1972-1975), 4230(1975-1984)		MS-2199HX	STD GMC: 294(1999-2004), 325(1999-2004), 346(1997-2004), 365(1999-2004)	MS-2209P	STD.,25mm.,50mm.,75mm Chry: 167(1998-2005)
Contents: (1)MB-2747G (1)MB-2748G (1)MB-2750G (1)MB-3583P(F)		Contents: (1)MB-3592HX(F) (4)MB-3591HX		Contents: (4)MB-3596P	
MS-2088P-.25mm .25mm,50mm ToyTrk: 3878(1969-1971)		MS-2199HXX	STD GMC: 294(1999-2004), 325(1999-2004), 346(1997-2004), 365(1999-2004)	MS-2210P	STD.,25mm.,50mm Chry: 197(1998-2001), 215(1999-2003)
Contents: (1)MB-3584P(F) (1)MB-619G (1)MB-620G (1)MB622G		Contents: (1)MB-3592HX(F) (4)MB-3591HX		Contents: (4)MB-3597P	
		MS-2199P	STD,10,20,30 GMC: 346(1997-2004), 365(2004-2004); GMC Trk.: 294(1999-2004), 325(1999-2004), 365(1999-2004); Hummer: 365(2003-2004); IsuTrk: 325(2004-2004), 365(2004-2004); Workhorse: 294(2004-2004), 365(2004-2004)	MS-2211AL	STD.,25mm.,50mm.,75mm GMC: 98(1985-1997), 108(1993-1999); Toy: 1452(1983-1988), 1587(1983-1997), 1762(1993-1997)
		Contents: (1)MB-3592P(F) (4)MB-3591P		Contents: (5)MB-3764AL	
				MS-2212AL	STD.,25mm.,50mm ToyTrk: 2438(1995-2001), 2694(1994-2001)
				Contents: (1)MB-3770AL (2)MB-3765AL (2)MB-3766AL	

NUMERICAL LISTING OF CLEVITE 77 MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-2213AL	STD.,25mm.,50mm Chry: 112(1992-1994); Eagle: 112(1992-1996); Mits: 1834(1993-2001); MitsTrk: 1834(1992-1994)	MS-2225AL	STD,10,20 GMC: 212(1999-2002)	MS-2236P	STD.,25mm.,50mm AcuraTrk: 3165(1996-1997); HonTrk: 3165(1994-2002); IsuTrk: 3165(1992-2002), 3494(1998-2002)
Contents: (5)MB-3767AL		Contents: (1)MB-3784P(F) (3)MB-3783P		Contents: (2)MB-3805P (2)MB-3806P	
MS-2214P	STD.,25mm.,50mm.,75mm Ford: 207(1996-1999)	MS-2226P	STD.,25mm.,50mm.,75mm Chry: 181(1988-1996); DodTrk: 181(1987-2000); Hyun: 2972(1989-1998); Mits: 2972(1988-1999); MitsTrk: 2972(1989-1998)	MS-2237P	STD.,25mm.,50mm Maz: 1844(1992-1994)
Contents: (5)MB-3750P		Contents: (4)MB-3791P		Contents: (1)MB-3809P (3)MB-3808P	
MS-2215P-10	10,20,30 Checker: 229(1980-1980); ChrisCft: 262; GMC: 200(1978-1979), 229(1980-1984), 262(1985-1993); GMC Trk.: 200(1978-1979), 229(1980-1984), 262(1985-2004); HardMar: 262; IsuTrk: 262(1997-2000); MercMar: 229, 262; OMC: 229, 262; ThermElec: 262; W	MS-2227AL	STD.,25mm.,50mm Audi: 1781(1997-2000); VW: 1781(1998-2002), 1896 Diesel(1993-2002)	MS-2238P	STD.,25mm.,50mm Mits: 3497(1997-2002); MitsTrk: 3497(1994-2002)
Contents: (1)MB-3119P(F) (3)MB-2508P		Contents: (1)MB-3793AL (4)MB-3792AL		Contents: (4)MB-3811P	
MS-2216P	STD.,25mm.,50mm DodTrk: 287(2000-2005); Jeep: 287(1999-2005)	MS-2228P	STD Audi: 2771(1998-1999); VW: 2771(1998-2000)	MS-2239P	STD.,25mm.,50mm Chry: 2497(1995-2000); Mits: 2497(1995-1995)
Contents: (5)MB-3771P		Contents: (4)MB-3795P		Contents: (4)MB-3813P	
MS-2217P	STD.,25mm.,50mm ToyInd: 2771	MS-2229AL	STD.,25mm VW: 2792(1992-1999)	MS-2240P	STD.,25mm.,50mm Lex: 2995(1994-2002); LexTrk: 2995(1999-2002); Toy: 2995(1994-2002); ToyTrk: 2995(1998-2002)
Contents: (1)MB-3779P (4)MB-3778P		Contents: (7)MB-3797AL		Contents: (2)MB-3814P (2)MB-3815P	
MS-2218P	STD.,25mm.,50mm GMC Trk.: 403 Diesel(2001-2004); Workhorse: 403 Diesel(2004-2004)	MS-2230AL	STD.,25mm Vol: 142(1994-2002), 149(1993-2002)	MS-2241P	STD.,25mm.,50mm ToyTrk: 3378(1995-2002)
Contents: (5)MB-3776P		Contents: (1)MB-3799AL (1)MB-3800AL(F)		Contents: (1)MB-3817P (3)MB-3818P	
MS-2219P	STD.,25mm.,50mm Cat: 403 Diesel, 442 Diesel	MS-2231AL	STD Vol: 178(1992-1999)	MS-2242P	STD.,25mm.,50mm DodTrk: 287(2005-2005); Jeep: 287(2002-2004)
Contents: (1)MB-3456P(F) (7)MB-3454P		Contents: (1)MB-3801AL (1)MB-3802AL(F)		Contents: (5)MB-3790P	
MS-2220P	STD.,25mm.,50mm Chry: 345(2005-2005); DodTrk: 345(2003-2005); Jeep: 345(2005-2005)	MS-2232AL	STD,10,20,30 GMC: 134(2002-2005); Sat: 134(2000-2003); Saturn Truck: 134(2002-2003)	MS-2243AL	STD.,25mm.,50mm Scion: 2362(2005-2005); Toy: 2362(2002-2005); ToyTrk: 2362(2001-2005)
Contents: (5)MB-3780P		Contents: (1)MB-3825AL(F) (4)MB-3824AL		Contents: (2)MB-3819ALU	
MS-2221V	STD,1 Custom Performance:	MS-2233HG	STD,10 Chry: 413(1959-1973), 426(1963-1971), 440(1966-1973)	MS-2244P	STD.,25mm.,50mm DodTrk: 226(2002-2005); Jeep: 226(2002-2005)
Contents: (1)MB-2620V(F) (4)MB-3785V		Contents: (1)MB-2457HG(F) (4)MB-3789HG		Contents: (4)MB-3790PU	
MS-2223P	STD.,25mm.,50mm.,75mm FordTrk: 363 Diesel(2003-2004)	MS-2234P	STD.,25mm.,50mm Hyun: 1495(1994-1999)	MS-2245AL	STD.,25mm.,50mm Ford: 121(2004-2005), 2261(2003-2005); FordTrk: 2261(2003-2005); Maz: 2261(2003-2005); MazTrk: 2261(2005-2005)
Contents: (1)MB-3788P(F) (4)MB-3787P		Contents: (1)MB-3804P(F) (4)MB-3803P		Contents: (1)MB-3823AL(F) (4)MB-3822AL	
MS-2224AL	STD,10,20 GMC Trk.: 254(2002-2005); IsuTrk: 254(2003-2005)	MS-2235AL	STD,10,20 GMC Trk.: 496(2001-2003); GMCMar: 496(2001-2003); MercMar: 496(2001-2003); Workhorse: 496(2002-2003)		
Contents: (1)MB-3782P(F) (6)MB-3781P		Contents: (1)MB-3775AL(F) (4)MB-3774AL			

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-18P	STD,10,20,30 Austin: 1798(1966-1978); MG: 1798(1965-1980)	MS-914P	MB-609P	STD,25mm,50mm,75mm Nis: 1595(1968-1973)	MS-1054P MS-2078P-.25mm
MB-19AL	STD,75mm MBenz: 2399Diesel(1979-1983)	MS-1537AL	MB-610P	STD,25mm,50mm Toy: 1077(1968-1969)	MS-1057P
MB-76P	BMW: 1573(1964-1971)	MS-926P	MB-614P(F)	STD,25mm,50mm Toy: 1588(1971-1971)	MS-1100P
MB-77P(F)	BMW: 1573(1964-1971)	MS-926P	MB-615P	STD,25mm,50mm,75mm Toy: 1858(1969-1971)	MS-1102P MS-1428P MS-1521P MS-2085P-.25mm
MB-83G	STD,25mm,50mm NisTrk: 3956(1979-1990)	MS-1569P MS-2082P-.25mm	MB-617P	STD,10,20,30 MG: 1493(1975-1980); Tri: 1296(1970-1974)	MS-1109P MS-1112P
MB-84G	STD,25mm,50mm NisTrk: 3956(1979-1990)	MS-1569P MS-2082P-.25mm	MB-618P(F)	STD,25mm,50mm Toy: 1858(1969-1971)	MS-1102P
MB-85G	STD,25mm,50mm NisTrk: 3956(1979-1990)	MS-1569P MS-2082P-.25mm	MB-619G	STD,25mm,50mm ToyTrk: 3878(1969-1971)	MS-1103G MS-2088P-.25mm
MB-90AL	STD,25mm,50mm Opel: 1698(1965-1972)	MS-988AL	MB-620G	STD,25mm,50mm ToyTrk: 3878(1969-1971)	MS-1103G MS-2088P-.25mm
MB-91AL(F)	STD,25mm,50mm Opel: 1698(1965-1972)	MS-988AL	MB-621G(F)	STD,25mm,50mm ToyTrk: 3878(1969-1971)	MS-1103G
MB-122P(F)	Chry: 218(1934-1954)	MS-523P-10	MB-622G	STD,25mm,50mm ToyTrk: 3878(1969-1971)	MS-1103G
MB-327P	STD,10,20 Chry: 218(1938-1954)	MS-107P	MB622G	ToyTrk: 3878(1969-1971)	MS-2088P-.25mm
MB-328P(F)	STD,10,20 Chry: 218(1938-1954)	MS-107P	MB-623P	STD,25mm,50mm Toy: 1588(1971-1971); Toy: 1588(1972-1979)	MS-1100P MS-1456P
MB-352P	STD,10,20 Ford: 239(1948-1953)	MS-109P	MB-627G	STD,25mm,50mm Toy: 2253(1968-1972)	MS-1104G
MB-366P(F)	STD,10,20,30 Alc: 226; Roil: 176Diesel	MS-209P	MB-631P	STD,25mm,50mm,75mm Nis: 2393(1970-1984)	MS-1106P MS-2081P-.25mm
MB-367P	STD,10,20,30 Alc: 226; Roil: 176Diesel	MS-209P	MB-632P	STD,25mm,50mm,75mm Nis: 2393(1970-1984)	MS-1106P MS-2081P-.25mm
MB-409P	STD,25mm,50mm,75mm Ford: 122(1971-1974)	MS-1084P	MB-633P(F)	STD,25mm,50mm,75mm Nis: 2393(1970-1984)	MS-1106P
MB-602G	STD,25mm,50mm,75mm Nis: 1189(1961-1966)	MS-1055G	MB-634P	STD,25mm,50mm,75mm Nis: 1171(1971-1973)	MS-1107P MS-2077P-.25mm
MB-603G	STD,25mm,50mm,75mm Toy: 1490(1964-1970); ToyInd: 1490(1964-1970)	MS-1056G	MB-635P	STD,25mm,50mm,75mm Nis: 1171(1971-1973)	MS-1107P MS-2077P-.25mm
MB-604G	STD,25mm,50mm,75mm Toy: 1490(1964-1970); ToyInd: 1490(1964-1970)	MS-1056G	MB-636P(F)	STD,25mm,50mm,75mm Nis: 1171(1971-1973)	MS-1107P
MB-605G	STD,25mm,50mm,75mm Toy: 1490(1964-1970); ToyInd: 1490(1964-1970)	MS-1056G	MB-637P	STD,25mm,50mm,75mm Nis: 1982(1968-1970); NisInd: 1982(1967-1992)	MS-1108P MS-2079P-.25mm
MB-606P	STD,25mm,50mm,75mm Nis: 1595(1968-1973)	MS-1054P MS-2078P-.25mm			
MB-607P	STD,25mm,50mm,75mm Nis: 1595(1968-1973)	MS-1054P MS-2078P-.25mm			
MB-608P(F)	STD,25mm,50mm,75mm Nis: 1595(1968-1973)	MS-1054P			

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-638P	STD,.25mm,.50mm,.75mm Nis: 1982(1968-1970); NisInd: 1982(1967-1992)	MS-1108P MS-2079P-.25mm	MB-947P	STD,10,2,20,30,40 FerTrac: 120(1939-1947); FordInd: 120(1941-1942); FordTrac: 120; FordTrk: 120(1941-1942)	MS-120P
MB-639P(F)	STD,.25mm,.50mm,.75mm Nis: 1982(1968-1970); NisInd: 1982(1967-1992)	MS-1108P	MB-948P(F)	STD,10,2,20,30,40 FerTrac: 120(1939-1947); FordInd: 120(1941-1942); FordTrac: 120; FordTrk: 120(1941-1942)	MS-120P
MB-642P	STD,.25mm NisInd: 2164Diesel(1963-1980); NavInt: 198Diesel(1976-1980); NisInd: 3246Diesel(1966-1990); NisMar: 3246Diesel	MS-1118P MS-1332P	MB-953P	STD,.25mm,.50mm IsulInd: 144Diesel(1969-1985)	MS-1293P
MB-672AL	STD,10 Fiat: 1585(1975-1976)	MS-1145AL	MB-954P	STD,.25mm,.50mm IsulInd: 144Diesel(1969-1985)	MS-1293P
MB-673AL	STD,10 Fiat: 1585(1975-1976)	MS-1145AL	MB-955P	STD,.25mm,.50mm IsulInd: 144Diesel(1969-1985)	MS-1293P
MB-689AL	STD,10,20 Saab: 1709(1969-1971)	MS-1155AL	MB-974G	STD,.25mm,.50mm,.75mm,1.00mm GMCTrk.: 119(1982-1985)	MS-1298G
MB-691P	STD,.25mm Mack: 335Diesel	MS-1156P	MB-975G	STD,.25mm,.50mm,.75mm,1.00mm GMCTrk.: 119(1982-1985)	MS-1298G
MB-692AL	STD,.25mm,.50mm,.75mm Audi: 1471(1973-1974)	MS-1659P MS-2070P-.25mm	MB-1042P	STD,.25mm,.50mm Maz: 988(1967-1983)	MS-1307P
MB-693AL(F)	STD,.25mm,.50mm,.75mm Audi: 1471(1973-1974)	MS-1659P	MB-1043P	STD,.25mm,.50mm Maz: 988(1967-1983)	MS-1307P
MB-741P	STD,.25mm,.50mm IntTrac: 155Diesel	MS-1197P MS-1198P MS-1199P	MB-1060P	STD,10,2,20 IntInd: 152; IntTrac: 152; MilStd: 152	MS-154P
MB-742P(F)	STD,.25mm,.50mm IntTrac: 155Diesel	MS-1197P MS-1198P MS-1199P	MB-1061P(F)	STD,10,2,20 IntInd: 152; IntTrac: 152; MilStd: 152	MS-154P
MB-756AL	STD,10 Perk: 510Diesel	MS-1207AL	MB-1062P	STD,10,20 IntInd: 248; IntTrac: 248	MS-155P
MB-757AL	STD,10 Perk: 510Diesel	MS-1207AL	MB-1063P(F)	STD,10,20 IntInd: 248; IntTrac: 248	MS-155P
MB-792AL	STD,.25mm Ren: 956(1963-1966)	MS-1183AL	MB-1072AL	STD,.25mm,.50mm,.75mm,1.00mm FordTrk: 110(1972-1978)	MS-1427AL
MB-793AL	STD,.25mm Ren: 956(1963-1966)	MS-1183AL	MB-1073AL	STD,.25mm,.50mm,.75mm,1.00mm FordTrk: 110(1972-1978)	MS-1427AL
MB-856P	STD,10,20,30,40,50 Daih: 2765(1989-1993)	MS-1789P	MB-1130P	STD MilStd: 779	MS-766P
MB-883P(F)	STD,10,20,30,40,50 Jeep: 134(1939-1973); KaisFraz: 134(1951-1953); MilStd: 134	MS-115P	MB-1131P	STD MilStd: 779	MS-766P
MB-884P	STD,10,20,30,40,50 Jeep: 134(1939-1973); KaisFraz: 134(1951-1953); MilStd: 134	MS-115P	MB-1183P(F)	STD,10,20 Ford: 239(1948-1953)	MS-109P
MB-885P	STD,10,20,30,40,50 Jeep: 134(1939-1973); KaisFraz: 134(1951-1953); MilStd: 134	MS-115P	MB-1211P	STD,10 IntInd: 60; IntTrac: 60; PalMar: 60	MS-306P
MB-891P(F)	STD,10,20,30 Alc: 116	MS-211P	MB-1212P(F)	STD,10 IntInd: 60; IntTrac: 60; PalMar: 60	MS-306P
MB-892P	STD,10,20,30 Alc: 116	MS-211P	MB-1225P	Clark: 226; Cont: 209	MS-440P-20 MS-889P
			MB-1226P	Cont: 162; Clark: 226; Cont: 209	MS-381P-20 MS-440P-20
			MB-1246P	STD,.25mm,.50mm NisInd: 1138(1966-1978)	MS-1327P

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-1247P NisInd: 1138(1966-1978)	STD,.25mm,.50mm	MS-1327P	MB-1542P(F) IntInd: 164	STD,10	MS-302P
MB-1269P NisTrk: 1299(1970-1972)	STD,.25mm,.50mm,.75mm,1.00mm	MS-1329P	MB-1543P IntInd: 248	STD,10,20	MS-307P
MB-1276P Alc: 426Diesel; Deere: 426Diesel; DetD: 426Diesel; MilStd: 426Diesel	STD,10,20,30,40	MS-271P	MB-1544P(F) IntInd: 248	STD,10,20	MS-307P
MB-1309C Cont: 50		MS-256C-10	MB-1575P DearbMar: 239(1954-1954)	STD,10,20,30,40,C60	MS-178P
MB-1309W Cont: 50		MS-256C-10	MB-1581P Deere: 113	STD,10,20	MS-319P
MB-1315P ToyInd: 1994(1970-1978); ToyTrk: 1994(1970-1978); ToyInd: 1994(1978-1986); ToyTrk: 1994(1978-1982)	STD,.25mm,.50mm	MS-1336P MS-1816P	MB-1582P(F) Deere: 113	STD,10,20	MS-319P
MB-1316P(F) ToyInd: 1994(1970-1978); ToyTrk: 1994(1970-1978)	STD,.25mm,.50mm	MS-1336P	MB-1589P Cumm: 401Diesel		MS-265P MS-530P
MB-1317P ToyInd: 1994(1970-1978); ToyTrk: 1994(1970-1978); ToyInd: 1994(1978-1986); ToyTrk: 1994(1978-1982)	STD,.25mm,.50mm	MS-1336P MS-1816P	MB-1621P(F) DearbMar: 239(1954-1954)	STD,10,20,30,40,C60	MS-178P
MB-1370P Cont: 134	STD,10,20,30	MS-202P MS-260P	MB-1629P Oliver: 129	STD,10,20,30	MS-405P MS-406P
MB-1373W Mack: 707	STD,10,20,30	MS-954P	MB-1636P Cont: 134	STD,10,20,30	MS-202P MS-260P
MB-1403P Case: 140; Clark: 162; Cont: 124		MS-176P-10 MS-194P-10	MB-1637P Cont: 120	STD,10,20,30	MS-260P
MB-1403W Case: 140; Clark: 162; Cont: 124		MS-176P-10 MS-194P-10 MS-260P	MB-1643P Oliver: 231	STD,10,20	MS-349P
MB-1404P Clark: 209; Cont: 170		MS-194P-10	MB-1644P(F) Oliver: 231	STD,10,20	MS-349P
MB-1405P Case: 140; Clark: 162; Cont: 124		MS-176P-10 MS-194P-10	MB-1648P IntInd: 113	STD,10,20,30	MS-459P
MB-1406P Case: 140; Clark: 162; Cont: 124		MS-176P-10	MB-1649P(F) IntInd: 113	STD,10,20,30	MS-459P
MB-1499P Ford: 215(1952-1953)	STD,10,20,30	MS-525P	MB-1651P Clark: 69	STD,10,30	MS-1627P MS-806P
MB-1500P(F) Ford: 215(1952-1953)	STD,10,20,30	MS-525P	MB-1652P Clark: 69	STD,10,30	MS-1627P MS-806P
MB-1501P FordInd: 134(1953-1976)	STD,1,10,2,20,30,40	MS-466P	MB-1669P Alc: 153	STD,10,20,30	MS-226P MS-227P MS-399P
MB-1502P Ford: 317(1952-1954)		MS-432P-10	MB-1670P Alc: 230	STD,10,20,30	MS-227P MS-399P
MB-1503P(F) Ford: 317(1952-1954)		MS-432P-10	MB-1671P(F) Alc: 153	STD,10,20,30	MS-226P MS-227P MS-399P
MB-1540P(F) FordInd: 134(1953-1976)	STD,1,10,2,20,30,40	MS-466P			
MB-1541P IntInd: 164	STD,10	MS-302P			

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-1681P Alc: 153	STD,10,20,30	MS-226P MS-227P MS-399P	MB-1769V(F) GMC: 265(1955-1957)	STD,1,10	MS-429V
MB-1682P Cont: 162; Clark: 226; Cont: 209		MS-381P-20 MS-440P-20 MS-886P MS-889P	MB-1769VG(F) GMC: 265(1955-1957)	STD,1	MS-429VG
MB-1686P(F) Cont: 162; Cont: 135		MS-381P-20 MS-886P MS-889P	MB-1769VGX(F) GMC: 265(1955-1957)	STD	MS-429VGX
MB-1690P GMC: 235(1953-1955); GMCTrk.: 235(1953-1955)		MS-189P-10	MB-1769VX(F) GMC: 265(1955-1957)	STD	MS-429VX
MB-1691P GMC: 235(1953-1955); GMCTrk.: 235(1953-1955)		MS-189P-10	MB-1780P(F) AMC: 250(1958-1961)		MS-400P-10
MB-1692P(F) GMC: 235(1953-1955); GMCTrk.: 235(1953-1955)		MS-189P-10	MB-1781P AMC: 250(1958-1961)		MS-400P-10
MB-1693P GMC: 235(1953-1955); GMCTrk.: 235(1953-1955)		MS-189P-10	MB-1786P(F) Oliver: 129	STD,10,20,30	MS-1423P MS-405P MS-406P
MB-1717P DearbMar: 312(1956-1960); Ford: 312(1956-1960); FordMar: 312(1956-1960)		MS-195P-10	MB-1791P GMC: 365(1956-1958)		MS-411P-10
MB-1718P(F) DearbMar: 312(1956-1960); Ford: 312(1956-1960); FordMar: 312(1956-1960)		MS-195P-10	MB-1792P(F) GMC: 365(1956-1958)		MS-411P-10
MB-1721P GMC: 235(1955-1962); GMCTrk.: 235(1955-1962)	STD,10,20,30,40	MS-197P	MB-1802M Chry: 392(1957-1958)	STD	MS-426M
MB-1722P GMC: 235(1955-1962); GMCTrk.: 235(1955-1962)	STD,10,20,30,40	MS-197P	MB-1803M(F) Chry: 392(1957-1958)	STD	MS-426M
MB-1723P(F) GMC: 235(1955-1962); GMCTrk.: 235(1955-1962)	STD,10,20,30,40	MS-197P	MB-1804M Chry: 392(1957-1958)	STD	MS-426M
MB-1724P GMC: 235(1955-1962); GMCTrk.: 235(1955-1962)	STD,10,20,30,40	MS-197P	MB-1808H GMC: 265(1955-1957)	STD,1,10	MS-429H MS-429HK
MB-1738AL FordInd: 220Diesel(1962-1966); FordTrk: 220Diesel(1952-1966); FordInd: 330Diesel(1962-1966); FordTrk: 330Diesel(1960-1966); ForsnTrac: 330Diesel(1960-1966)	STD,10,20,30	MS-755AL MS-756AL	MB-1808HX GMC: 265(1955-1957)	STD	MS-429HX MS-429HXX
MB-1739AL FordInd: 220Diesel(1962-1966); FordTrk: 220Diesel(1952-1966); FordInd: 330Diesel(1962-1966); FordTrk: 330Diesel(1960-1966); ForsnTrac: 330Diesel(1960-1966)	STD,10,20,30	MS-755AL MS-756AL	MB-1808V GMC: 265(1955-1957)	STD,1,10	MS-429V
MB-1768P(F) Cont: 134	STD,10,20,30	MS-202P	MB-1808VG GMC: 265(1955-1957)	STD,1	MS-429VG
MB-1769H(F) GMC: 265(1955-1957)	STD,1,10	MS-1110H MS-429H MS-429HK	MB-1808VGX GMC: 265(1955-1957)	STD	MS-429VGX
MB-1769HX(F) GMC: 265(1955-1957)	STD	MS-1110HX MS-429HX MS-429HXX	MB-1808VX GMC: 265(1955-1957)	STD	MS-429VX
MB-1769P(F) Checker: 283(1965-1967)	STD,1,10,20,30,40	MS-429P	MB-1811P GMC: 401(1959-1966)		MS-664P-10
			MB-1813P Ford: 317(1952-1954)		MS-432P-10
			MB-1820P FordInd: 401(1958-1976)	STD,10,20,30	MS-443P
			MB-1821P(F) FordInd: 401(1958-1976)	STD,10,20,30	MS-443P
			MB-1825P(F) ChrisCft: 427; DearbMar: 390(1961-1963)	STD,10,20	MS-445P

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-1840H STD,1 GMC: 348(1958-1961)		MS-458H	MB-1918P(F) STD,10,20,30 GMC: 195(1961-1963)		MS-496P
MB-1840HX STD GMC: 348(1958-1961)		MS-458HX	MB-1929P STD,10 IntInd: 135; IntTrac: 135		MS-505P
MB-1840P GMC: 348(1958-1961)		MS-458P-10	MB-1930P(F) STD,10 IntInd: 135; IntTrac: 135		MS-505P
MB-1841H(F) STD,1 GMC: 348(1958-1961)		MS-458H	MB-1931P STD,10,20 DetD: 318Diesel; MilStd: 318Diesel		MS-506P
MB-1841HX(F) STD GMC: 348(1958-1961)		MS-458HX	MB-1997P STD,10,20,30,40 IntInd: 345; NavInt: 152(1961-1968)		MS-516P
MB-1841P(F) GMC: 348(1958-1961)		MS-458P-10	MB-1998P(F) STD,10,20,30,40 IntInd: 345; NavInt: 152(1961-1968)		MS-516P
MB-1881P(F) GMC: 401(1959-1966)		MS-664P-10	MB-1999P STD,10,20,30,40 Chry: 170(1960-1969)		MS-517P
MB-1883M STD,10,20,30 Chry: 383(1959-1960)		MS-481M	MB-2000P(F) STD,10,20,30,40 Chry: 170(1960-1969)		MS-517P
MB-1884M(F) STD,10,20,30 Chry: 383(1959-1960)		MS-481M	MB-2001P STD,10,20,30,40 Chry: 170(1960-1969)		MS-517P
MB-1889G STD,10,20,30 GMC: 326(1963-1967)		MS-483G	MB-2002G STD,10,20,30,40,60 DearbMar: 144(1960-1964)		MS-518G MS-771G
MB-1890G(F) STD,10,20,30 GMC: 326(1963-1967)		MS-483G	MB-2003G(F) STD,10,20,30,40,60 DearbMar: 144(1960-1964)		MS-518G MS-771G
MB-1891H STD GMC: 326(1963-1967)		MS-496H	MB-2004G(F) STD,10 GMC: 140(1960-1961)		MS-1670P
MB-1891P STD,10,20,30 GMC: 326(1963-1967)		MS-1415P MS-483G MS-496P	MB-2004P(F) STD,10 GMC: 140(1960-1961)		MS-584P
MB-1897P STD,10,20,30 Clark: 212Diesel; Coshtt: 212Diesel; DetD: 212Diesel; Oliver: 212Diesel		MS-502P	MB-2005P STD,10 GMC: 140(1960-1961)		MS-1670P MS-584P
MB-1909P STD,10,20 IntInd: 221		MS-494P MS-562P MS-683P MS-983P	MB-2009P GMCTrk.: 305(1960-1972)		MS-521P-10 MS-522P-10 MS-944P-10
MB-1910P STD,10,20 IntInd: 221		MS-494P MS-562P MS-683P	MB-2010P(F) GMCTrk.: 305(1960-1972)		MS-521P-10 MS-522P-10 MS-944P-10
MB-1911P(F) STD,10,20 IntInd: 221		MS-494P MS-562P	MB-2011P Chry: 218(1934-1954)		MS-523P-10
MB-1912P STD,10,20 IntInd: 221		MS-494P MS-683P MS-983P	MB-2012P Chry: 218(1934-1954)		MS-523P-10
MB-1917H STD GMC: 326(1963-1967)		MS-496H	MB-2032P(F) STD MinMol: 206(1956-1959)		MS-900P
MB-1917P STD,10,20,30 GMC: 195(1961-1963)		MS-496P	MB-2035H STD,1,10 Chry: 273(1964-1969)		MS-540H MS-540HK
MB-1918H(F) STD GMC: 326(1963-1967)		MS-496H	MB-2035HX STD Chry: 273(1964-1969)		MS-540HX MS-540HXX

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-2035P	STD,10,20,30,40 Chry: 273(1964-1969)	MS-540P	MB-2121P	STD,1,10,20,30,40 CommMar: 302; DearbMar: 289	MS-1746P-10 MS-590P
MB-2036H(F)	STD,1,10 Chry: 273(1964-1969)	MS-540H MS-540HK	MB-2121V	STD,1,10,20 Ford: 221(1962-1963)	MS-590V
MB-2036HX(F)	STD Chry: 273(1964-1969)	MS-540HX MS-540HXX	MB-2121VG	STD,1 Ford: 221(1962-1963)	MS-590VG
MB-2036P(F)	STD,10,20,30,40 Chry: 273(1964-1969)	MS-540P MS-963P	MB-2121VX	STD Ford: 221(1962-1963)	MS-590VX
MB-2036V(F)	STD,1 Chry: 273(1964-1969)	MS-963V	MB-2122A(F)	CommMar: 302; DearbMar: 289	MS-590A-10
MB-2036VX(F)	STD Chry: 273(1964-1969)	MS-963VX	MB-2122H(F)	STD,1,10 Ford: 221(1962-1963)	MS-590H MS-590HK
MB-2045P	STD,10,20,30 Mack: 707	MS-954P	MB-2122HX(F)	STD Ford: 221(1962-1963)	MS-590HX MS-590HXX
MB-2065P	STD,10,20,30,40,C60 Chry: (1962-1965)	MS-876P	MB-2122P(F)	STD,1,10,20,30,40 CommMar: 302; DearbMar: 289	MS-590P
MB-2067HG	STD,10 Chry: 413(1974-1977)	MS-1277HG	MB-2122V(F)	STD,1,10,20 Ford: 221(1962-1963)	MS-590V
MB-2067P	STD,10,20,30 Chry: 383(1959-1960)	MS-1277P MS-877P	MB-2122VG(F)	STD,1 Ford: 221(1962-1963)	MS-590VG
MB-2075P(F)	STD,10 GMC: 215(1961-1963); LRover: 3528(1970-1981); PallMar: 215(1961-1963); Tri: 3528(1980-1981); GMC: 198(1962-1963)	MS-558P MS-606P	MB-2122VX(F)	STD Ford: 221(1962-1963)	MS-590VX
MB-2083P	Cont: 157	MS-566P-10	MB-2131P	STD,10,20 Case: 148	MS-596P
MB-2085P	Cont: 157	MS-566P-10	MB-2132P(F)	STD,10,20 Case: 148	MS-596P
MB-2087P(F)	Cont: 157	MS-566P-10	MB-2133P	STD,10,20 Case: 148	MS-596P
MB-2092P(F)	STD,10 Alc: 339; Herc: 260	MS-1680P MS-1681P MS-650P	MB-2154P	STD,10,20 IntTrac: 144Diesel	MS-614P
MB-2096W	STD,10,20 Alc: 516Diesel; Buda: 516Diesel; Alc: 344Diesel; Buda: 344Diesel	MS-1619P MS-1632P	MB-2155P(F)	STD,10,20 IntTrac: 144Diesel	MS-614P
MB-2105P	STD,10,20,30 Case: 251	MS-1497P MS-1498P	MB-2163P	STD,10,20,30 BarrMar: 455(1968-1976); Berk: 455(1968-1976); Checker: 350Diesel(1980-1980); GMC: 400(1965-1969)	MS-1616P MS-804P
MB-2111P	STD,10 GMC: 140(1960-1961)	MS-1670P MS-584P	MB-2178P	STD Wauk: 1013	MS-637P
MB-2121A	CommMar: 302; DearbMar: 289	MS-590A-10	MB-2179P	STD Wauk: 1013	MS-637P
MB-2121H	STD,1,10 Ford: 221(1962-1963)	MS-590H MS-590HK	MB-2180P	STD Wauk: 1013	MS-637P
MB-2121HX	STD Ford: 221(1962-1963)	MS-590HX MS-590HXX	MB-2185P	STD,10 Alc: 339; Herc: 260	MS-1680P MS-1681P MS-650P
			MB-2186AL	STD,10,20,30 Alc: 152Diesel; FordTrac: 152; ForsnTrac: 144Diesel(1964-1974)	MS-772AL MS-773AL MS-774AL

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-2187AL	STD,10,20,30 Alc: 152Diesel; FordTrac: 152; ForsnTrac: 144Diesel(1964-1974)	MS-772AL MS-773AL MS-774AL	MB-2233P	STD,10 IntInd: 361Diesel	MS-684P
MB-2192P	STD,10,20 Case: 188Diesel	MS-651P MS-652P	MB-2234P(F)	STD,10 IntInd: 361Diesel	MS-684P
MB-2193P	STD,10,20 Case: 188Diesel	MS-651P	MB-2235P(F)	STD,1,10,20,30,40,C60 ChrisCft: 427; DearbMar: 390(1964-1965)	MS-685P
MB-2194P(F)	STD,10,20 Case: 188Diesel	MS-651P MS-652P	MB-2241P	STD,10,20 Alfa: 1570(1972-1976)	MS-720P
MB-2195P	STD,10,20 Case: 188Diesel	MS-651P MS-652P	MB-2242P	STD,10,20 Alfa: 1570(1972-1976)	MS-720P
MB-2208P	GMC: 390(1963-1963)	MS-663P-10	MB-2251P	STD,1,10,20,30 BarrMar: 403(1977-1979); Berk: 350(1968-1980); GMC: 260(1975-1982)	MS-805P
MB-2209P	GMC: 390(1963-1963)	MS-663P-10	MB-2252P(F)	STD,1,10,20,30 GMC: 330(1964-1964); BarrMar: 403(1977-1979); Berk: 350(1968-1980); GMC: 260(1975-1982)	MS-697P MS-805P
MB-2210P(F)	GMC: 390(1963-1963)	MS-663P-10	MB-2253P	STD,1,10,20,30 GMC: 330(1964-1964); BarrMar: 403(1977-1979); Berk: 350(1968-1980); GMC: 260(1975-1982)	MS-697P MS-805P
MB-2211P	GMC: 390(1963-1963)	MS-663P-10	MB-2263P	STD,10,20,30,40 AMC: 199(1965-1970)	MS-1568P MS-704P
MB-2212P	GMC: 401(1959-1966)	MS-664P-10	MB-2264P(F)	STD,10,20,30,40 AMC: 199(1965-1970)	MS-1568P MS-704P
MB-2213P	STD,10,20 IntInd: 135; IntTrac: 135	MS-665P	MB-2279AL	STD,25,50 Cat: 893	MS-712AL MS-856AL
MB-2214P(F)	STD,10,20 IntInd: 135; IntTrac: 135	MS-665P	MB-2280AL(F)	STD,25,50 Cat: 893	MS-712AL MS-856AL
MB-2215P	STD,10,20,30 GMC: 421(1963-1966)	MS-667P	MB-2283P	STD,10,20,30 Chry: 340(1968-1973); ChryMar: 340; Chry: 318(1974-1989); ChryInd: 318; ChryMar: 318; DodTrk: 318(1974-2003); Jeep: 318(1993-1998); StksMar: 318; DodTrk: 239(1987-2002)	MS-1344P MS-1701P MS-963P
MB-2216P(F)	STD,10,20,30 GMC: 421(1963-1966)	MS-667P	MB-2283V	STD,1 Chry: 273(1964-1969)	MS-1344V MS-963V
MB-2217P	STD,10,20,30 GMC: 421(1963-1966)	MS-667P	MB-2283VX	STD Chry: 273(1964-1969)	MS-1344VX MS-963VX
MB-2219P	STD,10 Chry: 383(1959-1960)	MS-896P	MB-2296P(F)	STD,10,20,30 Ford: 240(1965-1966); FordInd: 240(1965-1966)	MS-765P
MB-2221AL	STD,10,20,30 DodTrk: 354Diesel(1966-1970); MasFer: 354Diesel; MinMol: 354Diesel; Oliver: 354Diesel; Perk: 354Diesel	MS-757AL MS-830AL MS-956AL	MB-2297P	STD MilStd: 779	MS-766P
MB-2222AL	STD,10,20,30 DodTrk: 354Diesel(1966-1970); MasFer: 354Diesel; MinMol: 354Diesel; Oliver: 354Diesel; Perk: 354Diesel	MS-757AL MS-830AL MS-956AL	MB-2300P	STD,10,20 Alc: 516Diesel; Buda: 516Diesel; Alc: 344Diesel; Buda: 344Diesel	MS-1619P MS-1632P
MB-2225P	STD,10,20,30 Oliver: 283	MS-676P	MB-2302AL	STD,10,20,30 Alc: 152Diesel; FordTrac: 152; ForsnTrac: 144Diesel(1964-1974)	MS-772AL MS-773AL MS-774AL
MB-2226P(F)	STD,10,20,30 Oliver: 283	MS-676P	MB-2312P	STD,10 Alc: 779	MS-1530P
MB-2231P(F)	STD,10,20 IntInd: 221	MS-683P MS-983P			
MB-2232P	STD,10 IntInd: 361Diesel	MS-684P			

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-2313P Alc: 779	STD,10	MS-1530P	MB-2393AL VW: 1192(1961-1965)	STD,.25mm,.50mm	MS-822AL
MB-2314P Alc: 779	STD,10	MS-1530P	MB-2394AL VW: 1192(1961-1965)	STD,.25mm,.50mm	MS-822AL
MB-2326AL Fiat: 1295(1961-1967)		MS-951AL-10	MB-2401P IntInd: 401	STD	MS-828P
MB-2328AL Fiat: 1295(1961-1967)		MS-951AL-10	MB-2402P(F) IntInd: 401	STD	MS-828P
MB-2350P Ford: 1498(1963-1970)	STD,10,20,30	MS-1692P MS-1983P MS-798P MS-860P-20	MB-2403A ChrisCft: 454; FlagMar: 427		MS-829A-10
MB-2350W(U) Ford: 171(1974-1979)	STD,10,20,30	MS-1692P	MB-2403H GMC: 366(1966-1998)	STD,1,10,20	MS-829H MS-829HK
MB-2351P(F) Ford: 1498(1963-1970)	STD,10,20	MS-798P MS-860P-20	MB-2403HG GMC: 366(1966-1998)	STD	MS-829HG
MB-2359AL Tri: 1147(1961-1967)	STD,10,20	MS-779AL	MB-2403HX GMC: 366(1966-1998)	STD	MS-829HX MS-829HXX
MB-2362P BarrMar: 455(1968-1976); Berk: 455(1968-1976); Checker: 350Diesel(1980-1980); GMC: 400(1965-1969)	STD,10,20,30	MS-1616P MS-804P	MB-2403P ChrisCft: 454; FlagMar: 427	STD,1,10,20,30,40	MS-1745P-10 MS-829P
MB-2363P(F) BarrMar: 455(1968-1976); Berk: 455(1968-1976); Checker: 350Diesel(1980-1980); GMC: 400(1965-1969)	STD,10,20,30	MS-1616P MS-804P	MB-2403V GMC: 366(1966-1998)	STD,1,10	MS-829V
MB-2364P BarrMar: 455(1968-1976); Berk: 455(1968-1976); Checker: 350Diesel(1980-1980); GMC: 400(1965-1969)	STD,10,20,30	MS-804P	MB-2403VX GMC: 366(1966-1998)	STD	MS-829VX
MB-2365P GMC: 330(1964-1964); BarrMar: 403(1977-1979); Berk: 350(1968-1980); GMC: 260(1975-1982)	STD,1,10,20,30	MS-697P MS-805P	MB-2404A(F) ChrisCft: 454; FlagMar: 427		MS-829A-10
MB-2366P Clark: 69	STD,10,30	MS-806P	MB-2404H(F) GMC: 366(1966-1998)	STD,1,10,20	MS-829H MS-829HK
MB-2367P Austin: 1798(1966-1978); MG: 1798(1965-1980)	STD,10,20,30	MS-914P	MB-2404HG(F) GMC: 366(1966-1998)	STD	MS-829HG
MB-2373P ChryMar: 109	STD,10,20	MS-1154P MS-2089P-10 MS-813P	MB-2404HX(F) GMC: 366(1966-1998)	STD	MS-829HX MS-829HXX
MB2373P Vol: 182(1969-1975)		MS-2090P-10	MB-2404P(F) ChrisCft: 454; FlagMar: 427	STD,1,10,20,30,40	MS-1732M MS-1748P-10 MS-829P
MB-2374P(F) ChryMar: 109	STD,10,20	MS-1154P MS-813P	MB-2404V(F) GMC: 366(1966-1998)	STD,1,10	MS-829V
MB-2391AL(F) VW: 1192(1961-1965)	STD,.25mm,.50mm	MS-822AL	MB-2404VX(F) GMC: 366(1966-1998)	STD	MS-829VX
MB-2392P VW: 1192(1961-1965)	STD,.25mm,.50mm	MS-822AL	MB-2415P Deere: 201	STD,10,20,30	MS-836P MS-837P MS-838P MS-839P

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-2416P(F) Deere: 201	STD,10,20,30	MS-836P MS-837P MS-838P MS-839P	MB-2459AL(F) Alc: 201	STD,10,20	MS-878AL
			MB-2474P DetD: 318Diesel; MilStd: 318Diesel	STD,10,20,30	MS-885P
MB-2433P ChrisCft: 225; GMC: 181(1982-1988)	STD,1,10,20,30	MS-1688P-10 MS-1689P-20 MS-1690P-20 MS-1691P-20 MS-1747P-10 MS-960P MS-961P	MB-2475P Cont: 135	STD,10,20,30	MS-886P
			MB-2482P NavInt: 537(1978-1981)	STD,10,20,30	MS-883P
			MB-2483P(F) NavInt: 537(1978-1981)	STD,10,20,30	MS-883P
MB-2433V GMC: 181(1982-1988)	STD	MS-960V	MB-2484P GMC: 340(1966-1967)	STD,10,20,30	MS-1457P
MB-2434P(F) ChrisCft: 225; GMC: 181(1982-1988)	STD,1,10,20,30	MS-960P MS-961P	MB-2485AL Fiat: 1116(1971-1973)		MS-891AL
MB-2434V(F) GMC: 181(1982-1988)	STD	MS-960V	MB-2486AL Fiat: 1116(1971-1973)		MS-891AL
MB-2441P ChrisCft: 427; DearbMar: 390(1961-1963)	STD,1,10,20,30,40,C60	MS-445P MS-685P MS-863P	MB-2491P ChrisCft: 225; GMC: 181(1982-1988)	STD,1,10,20,30	MS-1688P-10 MS-1689P-20 MS-1690P-20 MS-1691P-20 MS-1747P-10 MS-960P MS-961P
MB-2442P(F) ChrisCft: 427; DearbMar: 390(1966-1971)	STD,1,10,20,30,40,C60	MS-863P			
MB-2446AL FordTrac: 158(1965-1969)	STD,10,20,30	MS-865AL MS-866AL MS-977AL	MB-2491V GMC: 181(1982-1988)	STD	MS-960V
MB-2447AL(F) FordTrac: 158(1965-1969)	STD,10,20,30	MS-865AL MS-866AL MS-977AL	MB-2495P(F) Chry: 383(1959-1960)	STD,10	MS-896P
MB-2448P GMC: 265(1980-1981)	STD,10,20,30	MS-1415P MS-1457P	MB-2496P MinMol: 206(1956-1959)	STD	MS-900P
MB-2449P(F) GMC: 265(1980-1981)	STD,10,20,30	MS-1415P MS-1457P	MB-2497AL Alc: 138	STD,10,20	MS-902AL
MB-2454AL Deere: 135	STD,10,20,30	MS-1459AL MS-873AL MS-874AL MS-875AL	MB-2498AL(F) Alc: 138	STD,10,20	MS-902AL
MB-2455AL(F) Deere: 135	STD,10,20,30	MS-1459AL MS-873AL MS-874AL MS-875AL	MB-2500AL FordTrac: 363Diesel(1965-1990)	STD,10,20	MS-1435AL MS-1480AL
MB-2456P(F) Chry: (1962-1965)	STD,10,20,30,40,C60	MS-876P	MB-2505P GMC: 400(1967-1969)	STD,10,20	MS-908P
MB-2457HG(F) Chry: 413(1959-1973)	STD,10	MS-2233HG	MB-2506P(F) GMC: 400(1967-1969)	STD,10,20	MS-908P
MB-2457P(F) Chry: 383(1959-1960)	STD,10,20,30	MS-877P	MB-2507P GMC: 400(1967-1969)	STD,10,20	MS-908P
MB-2458AL Alc: 201	STD,10,20	MS-878AL	MB-2508A Checker: 267(1980-1980)		MS-1454A-10 MS-909A-10
			MB-2508H GMC: 262(1975-1976)	STD,1,10,20	MS-909H MS-909HK
			MB-2508HG GMC: 262(1975-1976)	STD,10	MS-909HG

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-2508HX	STD GMC: 262(1975-1976)	MS-909HX MS-909HXK	MB-2536AL	STD,10,20 GMC: 368(1980-1984)	MS-970AL
MB-2508P	STD,1,10,2,20,30,40,C60 Checker: 267(1980-1980)	MS-1454P MS-1626P-10 MS-1628P-10 MS-1683P-20 MS-1684P-20 MS-1744P-10 MS-2215P-10 MS-909P	MB-2537AL(F)	STD,10,20 GMC: 368(1980-1984)	MS-970AL
MB-2508V	STD,1,10 GMC: 262(1975-1976)	MS-909V	MB-2538AL	STD,10,20 GMC: 368(1980-1984)	MS-970AL
MB-2508VX	STD GMC: 262(1975-1976)	MS-909VX	MB-2543M	STD Chry: 383(1959-1960)	MS-972M
MB-2509A(F)	Checker: 267(1980-1980)	MS-1454A-10 MS-909A-10	MB-2544M(F)	STD Chry: 383(1959-1960)	MS-972M
MB-2509H(F)	STD,1,10,20 GMC: 262(1975-1976)	MS-909H MS-909HK	MB-2547P	STD,10 GMC: 262(1975-1976)	MS-974P
MB-2509HG(F)	STD,10 GMC: 262(1975-1976)	MS-909HG	MB-2548P(F)	STD,1,10 GMC: 262(1975-1976)	MS-1523P MS-1564P MS-974P
MB-2509HX(F)	STD GMC: 262(1975-1976)	MS-909HX MS-909HXK	MB-2553P	STD,1,10,20,30,40,C60 Ford: 240(1965-1966); FordInd: 240(1965-1966)	MS-765P MS-979P
MB-2509P(F)	STD,1,10,2,20,30,40,C60 Checker: 267(1980-1980)	MS-1454P MS-909P	MB-2554P(F)	STD,1,10,20,30,40,C60 Ford: 240(1965-1972)	MS-979P
MB-2509V(F)	STD,1,10 GMC: 262(1975-1976)	MS-909V	MB-2557P	STD,1,10,20,30,40 CommMar: 351; DearbMar: 351; Ford: 351(1969-1976)	MS-981P
MB-2509VX(F)	STD GMC: 262(1975-1976)	MS-909VX	MB-2558A(F)	CommMar: 351; DearbMar: 351; Ford: 351(1977-1995)	MS-1432A-10
MB-2513W	Cumm: 401Diesel	MS-265P MS-530P	MB-2558H(F)	STD,1,10 Ford: 351(1977-1998)	MS-1432H MS-1432HK
MB-2520P	STD,10,20,30 Mack: 707	MS-954P	MB-2558HX(F)	STD Ford: 351(1977-1998)	MS-1432HX MS-1432HXX
MB-2521P	STD,10,20,30 Mack: 707	MS-954P	MB-2558P(F)	STD,1,10,20,30,40 CommMar: 351; DearbMar: 351; Ford: 351(1969-1976)	MS-981P
MB-2522W	STD,10,20,30 Clark: 212Diesel; Coshtt: 212Diesel; DetD: 212Diesel; Oliver: 212Diesel	MS-1525P MS-502P	MB2558P(F)	STD,1,10,20,30,40 CommMar: 351; DearbMar: 351; Ford: 351(1977-1995)	MS-1432P
MB-2523W	STD,10,20,30 DetD: 426Diesel(1979-1988)	MS-1385P MS-1386P	MB-2559H	STD,1,10 Chry: 273(1964-1969)	MS-540H MS-540HK
MB-2524W	STD,10,20,30,40 Alc: 426Diesel; Deere: 426Diesel; DetD: 426Diesel; MilStd: 426Diesel; DetD: 318Diesel; MilStd: 318Diesel	MS-271P MS-506P MS-885P	MB-2559HX	STD Chry: 273(1964-1969)	MS-540HX MS-540HXX
MB-2528W	STD,10 Onan: 50	MS-1500AL	MB-2559P	STD,10,20,30,40 Chry: 273(1964-1969)	MS-1344P MS-1701P MS-540P MS-963P
MB-2535AL	STD,10,20 GMC: 368(1980-1984)	MS-970AL	MB-2559V	STD,1 Chry: 273(1964-1969)	MS-1344V MS-963V

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-2559VX	STD Chry: 273(1964-1969)	MS-1344VX MS-963VX	MB-2564V	STD,10 Ford: 370(1979-1991)	MS-1039V
MB-2560H	STD,1,10 Ford: 351(1970-1974)	MS-1010H	MB-2565P(F)	STD,1,10,20,30,40 CommMar: 460; Ford: 429(1968-1973)	MS-1039P
MB-2560HX	STD Ford: 351(1970-1974)	MS-1010HX	MB-2565V(F)	STD,10 Ford: 370(1979-1991)	MS-1039V
MB-2560P	STD,10,20,30 Ford: 351(1970-1974); FordMar: 351(1970-1974); FordTrk: 351(1970-1974)	MS-1010P	MB-2573AL	STD,10,20 MasFer: 107Diesel; Perk: 99Diesel	MS-1037AL
MB-2560V	STD,1 Ford: 351(1970-1974)	MS-1010V	MB-2578P(F)	STD,10,20,30 AMC: 290(1966-1969)	MS-1041P
MB-2560VG	STD,1 Ford: 351(1970-1974)	MS-1010VG	MB-2579P	STD,10,20,30 AMC: 290(1966-1969)	MS-1041P
MB-2561H(F)	STD,1,10 Ford: 351(1970-1974)	MS-1010H	MB-2580AL	STD,10,20,30,50 Cat: 425	MS-1113AL MS-1114AL MS-957AL MS-958AL
MB-2561HX(F)	STD Ford: 351(1970-1974)	MS-1010HX	MB-2580W	STD,10,20,30 Cat: 318Diesel	MS-2020P
MB-2561P(F)	STD,10,20,30 Ford: 351(1970-1974); FordMar: 351(1970-1974); FordTrk: 351(1970-1974)	MS-1010P	MB-2581AL(F)	STD,10,20,30 Cat: 425	MS-957AL MS-958AL
MB-2561V(F)	STD,1 Ford: 351(1970-1974)	MS-1010V	MB-2585AL	STD,25 Cat: 1246	MS-1048AL MS-1049AL
MB-2561VG(F)	STD,1 Ford: 351(1970-1974)	MS-1010VG	MB-2586AL(F)	STD,25 Cat: 1246	MS-1048AL MS-1049AL
MB-2562H	STD,1,10 GMC: 400(1970-1980)	MS-1038H MS-1038HK	MB-2588P(F)	STD,1,10,20,30,40 Checker: 230(1964-1968)	MS-1050P MS-1733P MS-617P
MB-2562HG	STD GMC: 400(1970-1980)	MS-1038HG	MB-2589P	STD,10 GMC: 122(1975-1976)	MS-1050P
MB-2562HX	STD GMC: 400(1970-1980)	MS-1038HX MS-1038HXX	MB-2590P	STD,10,20,30 Chry: 360(1971-1973); ChryMar: 360; DodTrk: 360(1971-1973)	MS-1051P
MB-2562P	STD,1,10,20,30 GMC: 400(1970-1976); GMCTrk.: 400(1974-1980)	MS-1038P MS-2038P-10	MB-2591P(F)	STD,10,20,30 Chry: 360(1971-1973); ChryMar: 360; DodTrk: 360(1971-1973)	MS-1051P
MB-2562V	STD,10 GMC: 400(1970-1980)	MS-1038V	MB-2592P	STD,10,20,30 Chry: 360(1971-1973); ChryMar: 360; DodTrk: 360(1971-1973)	MS-1051P
MB-2563H(F)	STD,1,10 GMC: 400(1970-1980)	MS-1038H MS-1038HK	MB-2593P	STD,10,20 Cum: 1710Diesel	MS-1052P
MB-2563HG(F)	STD GMC: 400(1970-1980)	MS-1038HG	MB-2594P	STD,10,20 Cum: 1710Diesel	MS-1052P
MB-2563HX(F)	STD GMC: 400(1970-1980)	MS-1038HX MS-1038HXX	MB-2595P	STD,10,20 Cum: 1710Diesel	MS-1052P
MB-2563P(F)	STD,1,10,20,30 GMC: 400(1970-1976); GMCTrk.: 400(1974-1980)	MS-1038P	MB-2596P	STD,10,20 Cum: 1710Diesel	MS-1052P
MB-2563V(F)	STD,10 GMC: 400(1970-1980)	MS-1038V			
MB-2564P	STD,1,10,20,30,40 CommMar: 460; Ford: 429(1968-1973)	MS-1039P			

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-2597AL Cat: 1964	STD,25	MS-1058AL MS-1059AL MS-1069AL	MB-2625HG(F) Chry: 413(1974-1977)	STD,10	MS-1277HG
MB-2598P Cumm: 352Diesel	STD,10,20,30	MS-1060P MS-1061P	MB-2625P(F) Chry: 440(1974-1978); ChryInd: 413	STD,10,20,30	MS-1277P
MB-2598W Cumm: 352Diesel	STD,10,20,30	MS-1060P MS-1061P	MB-2626P IntInd: 312Diesel	STD,10,20,30	MS-1342P
MB-2599P Cumm: 352Diesel	STD,10,20,30	MS-1060P MS-1061P	MB-2627P(F) IntInd: 312Diesel	STD,10,20,30	MS-1342P
MB-2600AL Cat: 1473	STD,25	MS-1062AL	MB-2628P IntInd: 414Diesel	STD,10,20,30	MS-1343P
MB-2601AL Cat: 1473	STD,25	MS-1062AL	MB-2629P(F) IntInd: 414Diesel	STD,10,20,30	MS-1343P MS-1642P
MB-2602AL Cat: 1473	STD,25	MS-1062AL	MB-2650H GMC: 262(1975-1976)	STD,1,10	MS-1110H
MB-2603AL(F) Cat: 1473	STD,25	MS-1062AL	MB-2650HX GMC: 262(1975-1976)	STD	MS-1110HX
MB-2604P GMC: 400(1970-1980)	STD,10	MS-1564P	MB-2651C GMC: 262(1975-1976)	STD,1,10	MS-1110H MS-1110HX
MB-2610P Oliver: 155; Wauk: 155	STD,10,20,30	MS-1423P MS-1698P-20	MB-2652P MilStd: 142	STD,10,20	MS-1111P
MB-2612P Ford: 140(1974-1990); FordInd: 140(1977-1989); FordTrk: 121(1983-1988)	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	MS-1117P	MB-2653P(F) MilStd: 142	STD,10,20	MS-1111P
MB-2613P(F) Ford: 140(1974-1990); FordInd: 140(1977-1989); FordTrk: 121(1983-1988)	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	MS-1117P	MB-2661P Vol: 145Diesel(1981-1986)	STD,.25mm,.50mm	MS-1490P
MB-2620P(F) Chry: 318(1974-1989); ChryInd: 318; ChryMar: 318; DodTrk: 318(1974-2003); Jeep: 318(1993-1998); StksMar: 318; DodTrk: 239(1987-2002)	STD,10,20,30	MS-1344P MS-1701P	MB-2662P(F) Vol: 145Diesel(1981-1986)	STD,.25mm,.50mm	MS-1490P
MB-2620V(F) Chry: 318(1974-2002); CustomPerformance:	STD,1	MS-1344V MS-2221V	MB-2664AL Ren: 1289(1976-1979)	STD,.25mm,.50mm	MS-1381AL
MB-2620VX(F) Chry: 318(1974-2002)	STD	MS-1344VX	MB-2665AL FordTrac: 363Diesel(1965-1990)	STD,10,20	MS-1435AL MS-1480AL
MB-2621P Cumm: 903Diesel; FordTrac: 903Diesel; MasFer: 903Diesel	STD,10,20,30	MS-1265P	MB-2685P DetD: 1788Diesel; DetD: 2384Diesel	STD,10	MS-1383P MS-1384P
MB-2621W Cumm: 903Diesel; FordTrac: 903Diesel; MasFer: 903Diesel	STD,10,20,30	MS-1265P	MB-2686P DetD: 1788Diesel; DetD: 2384Diesel	STD,10	MS-1383P MS-1384P
MB-2622P Chry: 360(1974-2002); ChryMar: 360; DodTrk: 360(1974-2002); Jeep: 360(1998-1998)	STD,10,20,30	MS-1266P	MB-2686W DetD: 1788Diesel; DetD: 2384Diesel	STD,10	MS-1383P MS-1384P
MB-2623P(F) Chry: 360(1974-2002); ChryMar: 360; DodTrk: 360(1974-2002); Jeep: 360(1998-1998)	STD,10,20,30	MS-1266P	MB-2687P DetD: 426Diesel(1979-1988)	STD,10,20,30	MS-1385P MS-1386P
MB-2624P Chry: 360(1974-2002); ChryMar: 360; DodTrk: 360(1974-2002); Jeep: 360(1998-1998)	STD,10,20,30	MS-1266P	MB-2688P Alc: 426Diesel	STD,10,20,30	MS-2002P
			MB-2689P Alc: 426Diesel	STD,10,20,30	MS-2002P
			MB-2689W Alc: 426Diesel	STD,10,20,30	MS-2002P

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-2690P	STD,10 IntInd: 573Diesel; IntTrac: 573Diesel	MS-1388P	MB-2748G	STD,.25mm,.50mm,.75mm,1.00mm ToyTrk: 3878(1972-1975)	MS-1429G MS-1777P MS-2087P-.25mm
MB-2691P(F)	STD,10 IntInd: 573Diesel; IntTrac: 573Diesel	MS-1388P	MB-2749G(F)	STD,.25mm,.50mm,.75mm,1.00mm ToyTrk: 3878(1972-1975)	MS-1429G
MB-2692AL	STD,10,20,30,40 Ford: 200(1975-1983); FordInd: 200(1975-1983); FordMar: 200(1975-1983); IntcptMar: 200(1975-1983); Ford: 140(1984-1994)	MS-1389AL MS-1629AL	MB-2750G	STD,.25mm,.50mm,.75mm,1.00mm ToyTrk: 3878(1972-1975)	MS-1429G MS-2087P-.25mm
MB-2693AL(F)	STD,10,20,30,40 Ford: 200(1975-1983); FordInd: 200(1975-1983); FordMar: 200(1975-1983); IntcptMar: 200(1975-1983); Ford: 140(1984-1994)	MS-1389AL MS-1629AL	MB-2751P	STD,.25mm,.50mm,.75mm Chry: 122(1974-1978)	MS-1430P MS-2069P-.25mm
MB-2700AL	STD Peug: 2664(1977-1978)	MS-1394AL	MB-2752P(F)	STD,.25mm,.50mm,.75mm Chry: 122(1974-1978)	MS-1430P
MB-2708P	STD,.25mm Saab: 1985(1972-1988)	MS-1407P	MB-2753P	STD,.25mm,.50mm,.75mm Hon: 1169(1973-1973)	MS-1431P
MB-2731AL	STD,10,20,30 Chry: 225(1976-1983); ChryInd: 225(1976-1987); ChryMar: 170	MS-1419AL	MB-2754A	CommMar: 351; DearbMar: 351; Ford: 351(1977-1995)	MS-1432A-10
MB-2732AL(F)	STD,10,20,30 Chry: 225(1976-1983); ChryInd: 225(1976-1987); ChryMar: 170	MS-1419AL	MB-2754H	STD,1,10 Ford: 351(1977-1998)	MS-1432H MS-1432HK
MB-2733P	STD,10,20,30 Cat: 636Diesel; MasFer: 636Diesel; Cat: 318Diesel	MS-1420P MS-2020P	MB-2754HX	STD Ford: 351(1977-1998)	MS-1432HX MS-1432HXX
MB-2734P	STD,10,20,30 Cat: 636Diesel; MasFer: 636Diesel; Cat: 522Diesel	MS-1420P MS-1421P MS-1422P MS-2020P	MB-2754P	STD,1,10,20,30,40 CommMar: 351; DearbMar: 351; Ford: 351(1977-1995)	MS-1432P
MB-2735P(F)	STD,10,20,30 Cat: 636Diesel; MasFer: 636Diesel; Cat: 522Diesel	MS-1420P MS-1421P MS-1422P	MB-2756AL	STD,10 Deere: 531Diesel	MS-1453AL
MB-2736P	STD,10,20,30 Cat: 636Diesel; MasFer: 636Diesel	MS-1422P	MB-2757AL(F)	STD,10 Deere: 531Diesel	MS-1453AL
MB-2737AL	STD,.25mm,.50mm,.75mm GMC: 85(1976-1977)	MS-1424AL	MB-2758AL	STD,10,20,30 Ford: 1599(1978-1980); FordInd: 98(1978-1982)	MS-1455AL
MB-2738AL(F)	STD,.25mm,.50mm,.75mm GMC: 85(1976-1977)	MS-1424AL	MB-2759AL	STD,10,20,30 Ford: 98(1971-1973)	MS-1455AL MS-742AL
MB-2739P	STD,.25mm,.50mm Sub: 1088(1971-1971)	MS-1425P MS-1572P MS-2083P MS-2084P-.25mm	MB-2760P	STD,10,20,30 GMC: 340(1966-1967)	MS-1457P
MB-2740P(F)	STD Sub: 1088(1971-1971)	MS-1425P	MB-2761G	STD,.25mm,.50mm Maz: 1272(1976-1977); MazTrk: 1272(1976-1977)	MS-1458G
MB-2745AL	STD,.25mm,.50mm,.75mm,1.00mm FordTrk: 110(1972-1978)	MS-1427AL	MB-2763P	STD,10,20,30 NavInt: 404(1975-1982)	MS-1460P
MB-2746P	STD,.25mm,.50mm,.75mm Toy: 2189(1975-1980)	MS-1428P	MB-2764P(F)	STD,10,20,30 NavInt: 404(1975-1982)	MS-1460P
MB-2747G	STD,.25mm,.50mm,.75mm,1.00mm ToyTrk: 3878(1972-1975)	MS-1429G MS-1777P MS-2087P-.25mm	MB-2768AL	STD,20 Bertone: 1498(1984-1989); Fiat: 1498(1979-1982)	MS-1476AL
			MB-2769AL	STD,20 Bertone: 1498(1984-1989); Fiat: 1498(1979-1982)	MS-1476AL
			MB-2776AL	STD,.75mm MBenz: 2399Diesel(1979-1983)	MS-1537AL

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Part No. Application	Undersizes Contained In	Part No. Application	Undersizes Contained In
MB-2789AL STD,10 MasFer: 354Diesel; Perk: 354Diesel	MS-1548AL	MB-2856P STD,10,20,30 GMC: 112(1982-1982); GMC: 121(1983-1986); GMCTrk.: 121(1983-1984)	MS-1524P MS-1567P
MB-2790AL STD,10 MasFer: 354Diesel; Perk: 354Diesel	MS-1548AL	MB-2857P STD,10,20 DetD: 212Diesel	MS-1525P
MB-2791P STD,.25mm,.50mm GMC: 110(1982-1986)	MS-2068P	MB-2858P STD,10,20,30 Deere: 201	MS-1526P MS-1527P MS-1528P MS-1529P
MB-2804P STD,10,20,30 Case: 336Diesel; Case: 504Diesel	MS-1495P MS-1496P	MB-2859P STD,10,20,30 Deere: 201	MS-1526P MS-1527P MS-1528P MS-1529P
MB-2804W STD,10,20,30 Case: 336Diesel; Case: 504Diesel	MS-1495P MS-1496P	MB-2860P STD,10,20,30,40 Cumm: 448Diesel	MS-1531P MS-1687P
MB-2805P STD,10,20,30 Case: 336Diesel; Case: 504Diesel	MS-1495P MS-1496P	MB-2861P STD,10,20,30,40 Cumm: 448Diesel	MS-1531P MS-1687P
MB-2806P STD,.25mm,.50mm,.75mm,1.00mm GMC: 173(1980-1985); GMCTrk.: 173(1982-1985); Jeep: 173(1984-1985)	MS-1494P	MB-2862P STD,10,20,30,40 Cumm: 448Diesel	MS-1531P MS-1687P
MB-2807P STD,.25mm,.50mm,.75mm,1.00mm GMC: 173(1980-1985); GMCTrk.: 173(1982-1985); Jeep: 173(1984-1985)	MS-1494P	MB-2863P STD,.026mm,.25mm,.50mm,.75mm Chry: 135(1981-1994)	MS-1533P
MB-2808P(F) STD,.25mm,.50mm,.75mm,1.00mm GMC: 173(1980-1985); GMCTrk.: 173(1982-1985); Jeep: 173(1984-1985)	MS-1494P	MB-2864P(F) STD,.026mm,.25mm,.50mm,.75mm Chry: 135(1981-1994)	MS-1533P
MB-2809P STD,.25mm,.50mm,.75mm,1.00mm GMC: 173(1980-1985); GMCTrk.: 173(1982-1985); Jeep: 173(1984-1985)	MS-1494P	MB-2865P STD,.25mm,.50mm,.75mm Ford: 98(1981-1985)	MS-1557P
MB-2810P STD,10,20,30 Case: 251	MS-1497P MS-1498P	MB-2866P(F) STD,.25mm,.50mm,.75mm Ford: 98(1981-1985)	MS-1557P
MB-2812P STD,.25mm,.50mm ToyTrk: 2977Diesel(1972-1984)	MS-1499P MS-2086P-.25mm	MB-2869P Chry: 98(1971-1990)	MS-2043P MS-2076P
MB-2813P(F) STD,.25mm ToyTrk: 2977Diesel(1972-1984)	MS-1499P	MB-2870AL STD,.25mm,.50mm Maz: 1272(1978-1978)	MS-1560AL
MB-2814AL STD,10 Onan: 50	MS-1500AL	MB-2878C STD,10 GMC: 400(1970-1980)	MS-1564P
MB-2825P STD,.25mm,.50mm,.75mm MazInd: 1985(1971-1979)	MS-1509P	MB-2879P STD,.25mm,.50mm,.75mm Nis: 1597(1987-1987)	MS-1565P MS-2073P-.25mm
MB-2826P(F) STD,.25mm,.50mm,.75mm MazInd: 1985(1971-1979)	MS-1509P	MB-2880P(F) STD,.25mm,.50mm,.75mm Nis: 1597(1987-1987)	MS-1565P
MB-2827P STD,.25mm,.50mm,.75mm MazInd: 1985(1971-1979)	MS-1509P	MB-2881P STD,10,20 DetD: 500Diesel	MS-1566P
MB-2850P STD,.25mm Toy: 1858(1969-1971); ToyTrk: 1858(1969-1971)	MS-1521P	MB-2882P(F) STD,10,20 DetD: 500Diesel	MS-1566P
MB-2853P STD,1,10 GMC: 262(1975-1976)	MS-1523P	MB-2883P(F) STD,10,20,30 GMC: 121(1983-1986); GMCTrk.: 121(1983-1984); GMC: 121(1987-1989)	MS-1567P MS-1704P MS-2205P
MB-2854P STD,10,20,30 GMC: 112(1982-1982); GMC: 121(1983-1986); GMCTrk.: 121(1983-1984); GMC: 121(1987-1989)	MS-1524P MS-1567P MS-1704P MS-2205P	MB-2884P(F) STD,.25mm,.50mm NisTrk: 3956(1979-1990)	MS-1569P
MB-2855P(F) STD,10,20,30 GMC: 112(1982-1982)	MS-1524P		

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-2885P	STD,.25mm,.50mm,.75mm Nis: 1952(1974-1981)	MS-2042P	MB-2964P	STD,10 GMC: 260Diesel(1982-1985); GMCTrk.: 260Diesel(1982-1983)	MS-1616P
MB-2886P	STD,.25mm,.50mm,.75mm Nis: 1952(1974-1981)	MS-2042P	MB-2965AL	STD,.25mm,.50mm Toy: 1452(1980-1983)	MS-1617AL
MB-2888P	STD,.25mm,.50mm,.75mm Nis: 1952(1974-1981)	MS-2042P	MB-2966P	STD,.25mm,.50mm Hon: 1598(1983-1990)	MS-1618P
MB-2889AL	STD,.25mm,.50mm,.75mm Sub: 1781(1980-1994); SubTrk: 1781(1981-1988)	MS-1571AL	MB-2967P	STD,10,20 Alc: 516Diesel; Buda: 516Diesel; Alc: 344Diesel; Buda: 344Diesel	MS-1619P MS-1632P
MB-2890AL(F)	STD,.25mm,.50mm,.75mm Sub: 1781(1980-1994); SubTrk: 1781(1981-1988)	MS-1571AL	MB-2969P	STD,10,20 Alc: 200Diesel; Alc: 301Diesel	MS-1620P MS-1621P
MB-2891P(F)	STD,.25mm,.50mm Sub: 1595(1978-1988); SubTrk: 1595(1978-1980)	MS-1572P	MB-2970P(F)	STD,10,20 Alc: 200Diesel; Alc: 301Diesel	MS-1620P MS-1621P
MB-2925P	STD,.25mm,.50mm,.75mm Toy: 2366(1982-1985); ToyTrk: 2366(1982-1995)	MS-1590P	MB-2971P	STD,10,20 Alc: 200Diesel; Alc: 301Diesel; Alc: 200	MS-1620P MS-1621P MS-1622P MS-1623P
MB-2926AL	STD,.25mm ToyTrk: 2188Diesel(1981-1983)	MS-1591AL	MB-2972P	STD,10,20 Alc: 200	MS-1622P MS-1623P
MB-2927P	STD,20 Cat: 636Diesel; MasFer: 636Diesel	MS-1593P	MB-2973P(F)	STD,10,20 Alc: 200	MS-1622P MS-1623P
MB-2928P	STD,20 Cat: 636Diesel; MasFer: 636Diesel	MS-1594P	MB-2974P	STD,.25mm Deere: 619Diesel	MS-1624P
MB-2929P	STD,20 Cat: 522Diesel	MS-1592P MS-1593P MS-1594P	MB-2975P	STD,.25mm Deere: 619Diesel	MS-1624P
MB-2930P(F)	STD,20 Cat: 522Diesel	MS-1592P MS-1593P MS-1594P	MB-2976P	STD,10,20 Cumm: 1150Diesel	MS-1625P
MB-2931P	STD,20 Nis: 1488(1982-1984)	MS-1595P MS-2072P	MB-2977P	STD,10,20 Cumm: 1150Diesel	MS-1625P
MB-2932P	STD,20 Nis: 1488(1982-1984)	MS-1595P MS-2072P	MB-2977W	STD,10,20 Cumm: 1150Diesel	MS-1625P
MB-2933P(F)	STD,20 Nis: 1488(1982-1984)	MS-1595P	MB-2981P(F)	STD,10,20 Checker: 267(1980-1980)	MS-1626P-10 MS-1628P-10
MB-2934P	STD,10,20,30,40 FordTrk: 420Diesel(1983-1987)	MS-1596P	MB-2982P(F)	STD,10,30 Clark: 69	MS-1627P
MB-2935P(F)	STD,10,20,30,40 FordTrk: 420Diesel(1983-1987)	MS-1596P	MB-2986AL	STD,10,20,30,40 Ford: 140(1984-1994)	MS-1629AL
MB-2947AL	STD,.25mm AMC: 1965(1987-1987); Ren: 105(1985-1987)	MS-1603AL	MB-2990AL	STD,.25mm,.50mm ToyTrk: 2188Diesel(1983-1983)	MS-1633AL
MB-2948AL	STD,.25mm Eagle: 132(1988-1989); Peugeot: 2165(1985-1991); Ren: 2165(1984-1986)	MS-1604AL	MB-2995P	STD,.25mm,.50mm FordTrk: 2960(1993-1998)	MS-2074P-.25mm
MB-2960P	STD,.026mm,.25mm,.50mm,.75mm GMC: 252(1982-1988)	MS-1705P	MB-2996P	STD,.25mm,.50mm FordTrk: 2960(1993-1998)	MS-2074P-.25mm
MB-2961P	STD,.026mm,.25mm,.50mm,.75mm GMC: 252(1982-1988)	MS-1705P	MB-2998P	STD,.25mm,.50mm GMC: 98(1985-1997); Toy: 1452(1983-1988)	MS-1638P
MB-2962G	STD,.25mm,.50mm Maz: 1272(1976-1977); MazTrk: 1272(1976-1977)	MS-1458G	MB-2999P	STD,.25mm,.50mm,.75mm Maz: 1998(1983-1987); MazTrk: 1998(1986-1987)	MS-2046P
MB-2962P(F)	STD,.026mm,.25mm,.50mm,.75mm GMC: 252(1982-1988)	MS-1705P			

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Part No. Application	Undersizes Contained In	Part No. Application	Undersizes Contained In
MB-3004P STD,.25mm MazTrk: 2977Diesel(1977-1990)	MS-1640P	MB-3093P STD,.25mm,.50mm,.75mm Ford: 183(1986-2004); FordTrk: 183(1986-2003); MazTrk: 183(1994-2003)	MS-1702P
MB-3009P STD,10,20,30 IntTrac: 466Diesel; NavInt: 466Diesel(1984-1993)	MS-1642P	MB-3094P(F) STD,.25mm,.50mm,.75mm Ford: 183(1986-2004); FordTrk: 183(1986-2003); MazTrk: 183(1994-2003)	MS-1702P
MB-3011P(F) STD,10,20,30 GMC: 151(1985-1991)	MS-1643P	MB-3095P STD,.25mm,.50mm,.75mm Ford: 183(1986-2004); FordTrk: 183(1986-2003); MazTrk: 183(1994-2003)	MS-1702P
MB-3016P STD,.25mm,.50mm BMW: 2494(1969-1971)	MS-1651P	MB-3096P(F) Oliver: 155; Wauk: 155	MS-1698P-20
MB-3017P(F) STD,.25mm,.50mm BMW: 2494(1969-1971)	MS-1651P	MB-3103P STD,.026mm,.25mm,.50mm,.75mm GMC: 252(1982-1988)	MS-1705P
MB-3049P STD,.25mm,.50mm,.75mm Chry: 86(1979-1984)	MS-1668P MS-2075P-.25mm	MB-3104P STD,.25mm,.50mm Case: 505Diesel; Cum: 505Diesel	MS-1740P
MB-3050P(F) STD,.25mm,.50mm,.75mm Chry: 86(1979-1984)	MS-1668P	MB-3105P(F) STD,.25mm,.50mm Case: 505Diesel; Cum: 505Diesel	MS-1740P
MB-3051P STD,10 GMC: 111Diesel(1981-1986); Isu: 1817Diesel(1981-1984)	MS-1669P	MB-3107P(F) STD,.25mm,.50mm,.75mm Chry: 201(1990-1997)	MS-1946P
MB-3052P STD,10 GMC: 111Diesel(1981-1986); Isu: 1817Diesel(1981-1984)	MS-1669P	MB-3108P STD,.25mm,.50mm,.75mm Chry: 181(1988-1996); DodTrk: 181(1987-2000); Hyun: MS-1720P 2972(1989-1998); Mits: 2972(1988-1999); MitsTrk: 2972(1989-1998)	MS-1720P
MB-3053AL STD,.25mm,.50mm,.75mm Chry: 122(1978-1979)	MS-1945AL	MB-3109P(F) STD,.25mm,.50mm,.75mm Case: 359Diesel; Cum: 359Diesel; DodTrk: 359Diesel(1989-2003); Case: 239Diesel; Cum: 239Diesel; Case: 180Diesel; Cum: 180Diesel	MS-1717P MS-1718P MS-1719P
MB-3060P(F) Checker: 267(1980-1980)	MS-1683P-20 MS-1684P-20	MB-3110P STD,.25mm,.50mm,.75mm Case: 359Diesel; Cum: 359Diesel; DodTrk: 359Diesel(1989-2003); Case: 239Diesel; Cum: 239Diesel; Case: 180Diesel; Cum: 180Diesel	MS-1717P MS-1718P MS-1719P
MB-3061P STD,.25mm,.50mm,.75mm Isu: 1949(1986-1987)	MS-1775P	MB-3111M STD,1,10 GMC: 366(1966-1998)	MS-1732M
MB-3063P(F) ChrisCft: 225; GMC: 181(1982-1988)	MS-1688P-10 MS-1689P-20	MB-3113P STD,.25mm,.50mm IsuTrk: 2775Diesel(1973-1977)	MS-1707P MS-1787P
MB-3064P(F) ChrisCft: 225; GMC: 181(1982-1988)	MS-1690P-20 MS-1691P-20	MB-3115P STD,.25mm,.50mm,.75mm MitsInd: 2659Diesel(1971-1991)	MS-1712P
MB-3073P STD,.25mm,.50mm,.75mm Ford: 116(1985-1996)	MS-1706P	MB-3116P STD,.25mm NisInd: 2164Diesel(1981-1983); NisTrk: 2164Diesel(1981-1983)	MS-1711P
MB-3074P(F) STD,.25mm,.50mm,.75mm Ford: 116(1985-1996)	MS-1706P	MB-3117P STD,10,20 MercMar: 224	MS-1741P
MB-3075P(F) STD,10 Wauk: 3560Diesel; Wauk: 5340Diesel	MS-1699P MS-1700P	MB-3118P(F) STD,10,20 MercMar: 224	MS-1741P
MB-3076P STD,10 Wauk: 3560Diesel; Wauk: 5340Diesel	MS-1699P MS-1700P	MB-3119P(F) Checker: 267(1980-1980)	MS-1744P-10 MS-2215P-10
MB-3077P STD,.25mm,.50mm,.75mm Cum: 611Diesel	MS-1716P	MB-3120P(F) ChrisCft: 454; FlagMar: 427	MS-1745P-10
MB-3078W STD,.25mm,.50mm,.75mm Cum: 611Diesel	MS-1716P	MB-3123P ChrisCft: 454; FlagMar: 427	MS-1748P-10
MB-3084P STD,.25mm,.50mm,.75mm GMC: 138(1987-1995); GMCTrk.: 138(1993-1996)	MS-1703P		
MB-3085P(F) STD,.25mm,.50mm,.75mm GMC: 138(1987-1995); GMCTrk.: 138(1993-1996)	MS-1703P		

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-3124P(F) CommMar: 302; DearbMar: 289		MS-1746P-10	MB-3146AL STD,.25mm Daih: 843(1984-1990)		MS-1785AL
MB-3125P(F) ChrisCft: 225; GMC: 181(1982-1988)		MS-1747P-10	MB-3148P STD,.25mm,.50mm IsuTrk: 3856Diesel(1985-1999)		MS-1752P
MB-3126P STD,.25mm,.50mm Ford: 183(1989-1995)		MS-1773P	MB-3149P STD,.25mm,.50mm IsuTrk: 3856Diesel(1985-1999); IsuTrk: 5393Diesel(1980-1990)		MS-1752P MS-1798P
MB-3127P STD,.25mm,.50mm Ford: 183(1989-1995)		MS-1773P	MB-3150AL STD,.25mm,.50mm,.75mm GMC: 92(1985-1989)		MS-1776AL
MB-3130P(F) STD,.25mm,.50mm,.75mm Ford: 140(1991-1993); FordInd: 140(1989-1993); FordTrk: 140(1989-1997)		MS-1743P	MB-3151P Daih: 2765(1989-1993)		MS-1789P
MB-3132AL STD,.25mm,.50mm Suz: 797(1977-1990)		MS-1753AL	MB-3152P(F) Daih: 2765(1989-1993)		MS-1789P
MB-3133P STD,.25mm IsuTrk: 2775Diesel(1981-1990)		MS-1751P	MB-3157P STD,.25mm,.50mm GMCTrk.: 137Diesel(1984-1985)		MS-1738P
MB-3134P STD,.25mm IsuTrk: 2775Diesel(1981-1990)		MS-1751P	MB-3158P STD,.25mm,.50mm GMCTrk.: 137Diesel(1984-1985)		MS-1738P
MB-3135P STD,1,10,20,30,40 Checker: 283(1965-1967)		MS-1050P MS-1643P MS-1733P MS-429P MS-558P MS-606P MS-617P	MB-3159P STD,.25mm,.50mm GMCTrk.: 137Diesel(1984-1985)		MS-1738P
MB-3137P STD,.25mm,.50mm,.75mm Ford: 140(1991-1993); FordInd: 140(1989-1993); FordTrk: 140(1989-1997)		MS-1743P	MB-3160P STD,.25mm,.50mm,.75mm IsuTrk: 2499Diesel(1985-1990)		MS-1799P
MB-3138P STD,.25mm,.50mm,.75mm Ford: 232(1989-1995)		MS-1782P	MB-3161P STD,.25mm IsuTrk: 2771Diesel(1985-1990)		MS-1800P
MB-3139H STD,.026mm,.25mm Ford: 281(1991-2004)		MS-2007H	MB-3166AL STD,.25mm,.50mm GMC: 98(1988-1993)		MS-1801AL
MB-3139HX STD Ford: 281(1991-2004)		MS-2007HX	MB-3167AL(F) STD,.25mm,.50mm GMC: 98(1988-1993)		MS-1801AL
MB-3139P STD,.25mm,.50mm,.75mm Ford: 281(1993-2004); FordTrk: 281(1997-2004); Ford: 281(1996-2004)		MS-2007P MS-2202P MS-2203P MS-2204P	MB-3168AL STD,.25mm,.50mm,.75mm Ford: 122Diesel(1984-1987); Maz: 1998Diesel(1984-1985)		MS-1780AL
MB-3139W STD,.026mm,.25mm,.50mm,.75mm Ford: 281(1991-2004); Ford: 281(1993-2004); FordTrk: 281(1997-2004); Ford: 281(1996-2004)		MS-2007H MS-2007HX MS-2007P MS-2202P MS-2203P MS-2204P	MB-3169AL STD,.25mm,.50mm,.75mm Ford: 122Diesel(1984-1987); Maz: 1998Diesel(1984-1985)		MS-1780AL
MB-3140H(F) STD,.026mm,.25mm Ford: 281(1991-2004)		MS-2007H	MB-3170P STD,.25mm FordTrk: 134Diesel(1983-1984); MazTrk: 2209Diesel(1982-1984)		MS-1778P
MB-3140HX(F) STD Ford: 281(1991-2004)		MS-2007HX	MB-3171P STD,.25mm FordTrk: 134Diesel(1983-1984); MazTrk: 2209Diesel(1982-1984)		MS-1778P
MB-3140P(F) STD,.25mm,.50mm,.75mm Ford: 281(1993-2004); FordTrk: 281(1997-2004)		MS-2007P	MB-3172AL STD,.25mm,.50mm,.75mm GMC: 61(1985-2000); Suz: 993(1985-1993); SuzTrk: 993(1985-1985); GMC: 79(1992-1999); Suz: 1298(1989-1994); SuzTrk: 1298(1989-1995)		MS-1708AL MS-1779AL
MB-3144AL STD Daih: 843(1982-1984)		MS-1739AL	MB-3173AL STD,.25mm,.50mm,.75mm Ford: 81(1988-1997)		MS-1802AL
MB-3145AL STD Daih: 547(1984-1986)		MS-1784AL	MB-3174AL STD,.25mm,.50mm,.75mm Ford: 134(1989-1992); KiaTrk: 1998(1995-2002); Maz: 1998(1987-1987)		MS-1803AL
			MB-3175AL(F) STD,.25mm,.50mm,.75mm Ford: 134(1989-1992); KiaTrk: 1998(1995-2002); Maz: 1998(1987-1987)		MS-1803AL
			MB-3176P STD,.25mm,.50mm Acura: 1590(1986-2000); Hon: 1590(1988-2000)		MS-1804P

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-3177P	STD,.25mm Acura: 2494(1986-1987)	MS-1805P	MB-3213P	STD,10,20,30 GMC: 204(1991-1993)	MS-1822P MS-2021P MS-2022P
MB-3178AL	STD,.25mm,.50mm Hon: 1342(1984-1987)	MS-1806AL	MB-3214P(F)	STD,10,20,30 GMC: 204(1991-1993)	MS-1822P MS-2021P MS-2022P
MB-3179P	STD,.25mm,.50mm NisInd: 3298Diesel(1978-1990)	MS-1735P	MB-3215P	STD,10,20,30 GMC: 204(1991-1993)	MS-1822P
MB-3184P	STD Jag: 5343(1971-1992)	MS-1811P	MB-3248M	STD,20 Chry: 426(1963-1971)	MS-1795M
MB-3185P	STD Jag: 5343(1971-1992)	MS-1811P	MB-3248V	STD Chry: 426(1963-1971)	MS-1795V
MB-3186P	STD Jag: 5343(1971-1992)	MS-1811P	MB-3249M(F)	STD,20 Chry: 426(1963-1971)	MS-1795M
MB-3187A	Ford: 232(1982-2004)	MS-1812A-.25mm	MB-3249V(F)	STD Chry: 426(1963-1971)	MS-1795V
MB-3187P	STD,.25mm,.50mm,.75mm Ford: 232(1989-1995); Ford: 232(1982-2004)	MS-1782P MS-1812P	MB-3250P	STD,10 Jag: 4235(1964-1987)	MS-1864P
MB-3188A(F)	Ford: 232(1982-2004)	MS-1812A-.25mm	MB-3251P	STD,10 Jag: 4235(1964-1987)	MS-1864P
MB-3188P(F)	STD,.25mm,.50mm,.75mm Ford: 232(1989-1995); Ford: 232(1982-2004)	MS-1782P MS-1812P	MB-3252P	STD,10 Jag: 4235(1964-1987)	MS-1864P
MB-3193AL	STD,.25mm Toy: 1839Diesel(1984-1985)	MS-1710AL	MB-3337P	STD,10,20,30 Jeep: 242(1991-2001); DodTrk: 150(1996-2002); Jeep: 150(1991-2002)	MS-1947P MS-1948P
MB-3194AL	STD,.25mm,.50mm Toy: 1839Diesel(1985-1990)	MS-1814AL	MB-3338P(F)	STD,10,20,30 Jeep: 242(1991-2001); DodTrk: 150(1996-2002); Jeep: 150(1991-2002)	MS-1947P MS-1948P
MB-3195P	STD,.25mm,.50mm,.75mm,1.00mm ToyTrk: 3956(1988-1992)	MS-1777P	MB-3339AL(F)	STD,.25mm,.50mm,.75mm Chry: 122(1978-1979)	MS-1945AL
MB-3196P	STD,.25mm,.50mm,.75mm,1.00mm ToyTrk: 3956(1988-1992)	MS-1777P	MB-3340P	STD,.25mm,.50mm,.75mm Chry: 201(1990-1997)	MS-1946P MS-2010P
MB-3198P	STD,.25mm,.50mm,.75mm,1.00mm Toy: 2759(1984-1988)	MS-1774P	MB-3341P	STD,.25mm,.50mm Nis: 2389(1989-2001); NisTrk: 2389(1989-2002)	MS-1949P MS-2080P-.25mm
MB-3199P	STD,.25mm,.50mm,.75mm,1.00mm Toy: 2759(1984-1988)	MS-1774P	MB-3342P(F)	STD,.25mm,.50mm Nis: 2389(1989-2001); NisTrk: 2389(1989-2002)	MS-1949P
MB-3200AL	STD,.25mm,.50mm Toy: 1995(1983-1986)	MS-1714AL	MB-3343P	STD,.25mm,.50mm Nis: 1597(1989-1998)	MS-1950P
MB-3201AL	STD,.25mm,.50mm Toy: 1995(1983-1986)	MS-1714AL	MB-3344P	STD,.25mm,.50mm FordTrk: 2960(1993-1998)	MS-1951P
MB-3202P	STD,10,20,30 FordTrk: 177(1990-1992)	MS-2006P	MB-3345P	STD,.25mm,.50mm FordTrk: 2960(1993-1998)	MS-1951P
MB-3207AL	STD,.25mm,.50mm,.75mm ToyTrk: 1998(1984-1985)	MS-1715AL	MB-3346P(F)	STD,.25mm,.50mm FordTrk: 2960(1993-1998)	MS-1951P
MB-3209AL	STD,.25mm,.50mm,.75mm GMCTrk.: 97(1989-2002); Suz: 1590(1995-1998); SuzTrk: 1590(1989-1998)	MS-1820AL	MB-3347P	STD,.25mm,.50mm Maz: 2954(1988-1995); MazTrk: 2954(1989-1998)	MS-1952P
MB-3210AL	STD,.25mm,.50mm HonTrk: 2559(1994-1996); IsuTrk: 2559(1988-1997)	MS-1821AL	MB-3348AL	STD,.25mm,.50mm Toy: 1456(1987-1994)	MS-1953AL
MB-3211AL	DbTrac: 164	MS-1791AL			
MB-3212AL	STD,10,20,30 DbTrac: 219	MS-1792AL			

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-3349P Lex: 2507(1990-1991)	STD,.25mm,.50mm	MS-1954P	MB-3460P(F) Sub: 997(1983-1990)	STD,.25mm,.50mm,.75mm	MS-2003P
MB-3350P Lex: 2507(1990-1991)	STD,.25mm,.50mm	MS-1954P MS-2011P	MB-3463P Sub: 2672(1988-1991)	STD	MS-2005P
MB-3353AL Vol: 141(1984-1987)	STD	MS-1610AL	MB-3464P(F) Sub: 2672(1988-1991)	STD	MS-2005P
MB-3355P Toy: 1345(1967-1978); ToyInd: 1345(1967-1978)	STD,.25mm,.50mm,.75mm	MS-1955P	MB-3467P(F) FordTrk: 177(1990-1992)	STD,10,20,30	MS-2006P
MB-3410P Mack: 728Diesel	STD,10,20	MS-1982P	MB-3468P Sat: 116(1991-2002)	STD,.25mm,.50mm	MS-2009P
MB-3411P Mack: 728Diesel	STD,10,20	MS-1982P	MB-3469P(F) Sat: 116(1991-2002)	STD,.25mm,.50mm	MS-2009P
MB-3412P Mack: 728Diesel	STD,10,20	MS-1982P	MB-3470P Mack: 335Diesel	STD	MS-2008P
MB-3413P Mack: 728Diesel	STD,10,20	MS-1982P	MB-3471P(F) Chry: 215(1993-1997); Eagle: 215(1993-1997)	STD,.25mm,.50mm,.75mm	MS-2010P
MB-3414P Cat: 318Diesel	STD,10	MS-2000P	MB-3472P ToyTrk: 2958(1988-1995)	STD,.25mm,.50mm	MS-2011P
MB-3415P Cat: 318Diesel	STD,10	MS-2000P	MB-3474P Acura: 2156(1997-1997); Hon: 2156(1990-1997)	STD,.25mm,.50mm	MS-2012P
MB-3416P(F) Ford: 159(1972-1973)	STD,10,20,30	MS-1983P	MB-3475P Lex: 3969(1990-1998)	STD,.25mm	MS-2013P
MB-3449P Komatsu: 19260Diesel; Komatsu: 12840Diesel(1971-1994)	STD,.25mm,.50mm	MS-2001P MS-2055P	MB-3476P Lex: 3969(1990-1998)	STD,.25mm	MS-2013P
MB-3450P Komatsu: 19260Diesel; Komatsu: 12840Diesel(1971-1994)	STD,.25mm,.50mm	MS-2001P MS-2055P	MB-3477AL Lex: 2997(1992-1998); Toy: 2997(1993-1998)	STD,.25mm	MS-2014AL
MB-3451W Cat: 318Diesel	STD,10	MS-2000P	MB-3478P Inf: 1998(1991-1996); Nis: 1998(1991-1998)	STD,.25mm	MS-2015P
MB-3452P Cumm: 2301Diesel; Cumm: 3068Diesel	STD,10,20	MS-2018P MS-2019P	MB-3480P UDTruck: 6925Diesel(1980-1998)	STD,.25mm	MS-2016P
MB-3453P Cumm: 2301Diesel; Cumm: 3068Diesel	STD,10,20	MS-2018P MS-2019P	MB-3481P Asuna: 110(1992-1993); GMC: 98(1990-1993)	STD,.25mm,.50mm	MS-2017P
MB-3453W Cumm: 2301Diesel; Cumm: 3068Diesel	STD,10,20	MS-2018P MS-2019P	MB-3494P GMC: 231(1994-1994); GMCTrk.: 231(1994-1994); GMC: 231(1995-2004); GMCTrk.: 231(1995-1995)	STD,10,20,30	MS-2021P MS-2022P
MB-3454P Cat: 268Diesel; Cat: 403Diesel	STD,.25mm,.50mm	MS-2064P MS-2065P MS-2219P	MB-3495P GMC: 231(1995-2004); GMCTrk.: 231(1995-1995)	STD,10,20,30	MS-2022P
MB-3455P Cat: 268Diesel; Cat: 403Diesel	STD,.25mm,.50mm	MS-2064P MS-2065P	MB-3497P FordTrk: 444Diesel(1994-2003); MercMar: 444Diesel; NavInt: 444Diesel(1994-1999)	STD,10,20,30	MS-2034P
MB-3456P(F) Cat: 268Diesel; Cat: 403Diesel	STD,.25mm,.50mm	MS-2064P MS-2065P MS-2219P	MB-3498P(F) FordTrk: 444Diesel(1994-2003); MercMar: 444Diesel; NavInt: 444Diesel(1994-1999)	STD,10,20,30	MS-2034P
MB-3459P Sub: 997(1983-1990)	STD,.25mm,.50mm,.75mm	MS-2003P	MB-3502AL MazTrk: 2606(1989-1994)	STD,.25mm,.50mm	MS-2035AL
			MB-3503AL(F) MazTrk: 2606(1989-1994)	STD,.25mm,.50mm	MS-2035AL
			MB-3504P Chry: 122(1992-1994)	STD,.25mm,.50mm	MS-2039P

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-3505P(F) Chry: 122(1992-1994)	STD.,25mm.,50mm	MS-2039P	MB-3552ALB Sub: 1820(1993-1997)	STD.,25mm.,50mm	MS-2062AL
MB-3506P DodTrk: 488(1994-2003)	STD,10,20,30	MS-2200P	MB-3553AL(F) Sub: 1820(1993-1997)	STD.,25mm.,50mm	MS-2062AL
MB-3507P DodTrk: 488(1994-2003)	STD,10,20,30	MS-2200P	MB-3554AL Daih: 1295(1989-1992)	STD.,25mm	MS-2063AL
MB-3508P(F) DodTrk: 488(1994-2003)	STD,10,20,30	MS-2200P	MB-3555P DetD: 530(1995-2001)	STD,10,20	MS-2096P
MB-3510P(F) GMC: 400(1970-1976); GMCTrk.: 400(1974-1980)		MS-2038P-10	MB-3556P(F) DetD: 530(1995-2001)	STD,10,20	MS-2096P
MB-3511A GMC: 173(1985-1989)		MS-2037A-.25mm	MB-3561P DetD: ; DetD: 677	STD,10,20	MS-2092P MS-2093P
MB-3511P GMC: 173(1985-1989)	STD.,25mm.,50mm.,75mm,1.00mm	MS-2037P	MB-3562P DetD: ; DetD: 677	STD,10,20	MS-2092P MS-2093P
MB-3512A GMC: 173(1985-1989)		MS-2037A-.25mm	MB-3564V Chry: 426(1963-1971)	STD	MS-2067V
MB-3512P GMC: 173(1985-1989)	STD.,25mm.,50mm.,75mm,1.00mm	MS-2037P	MB-3565P(F) GMC: 110(1982-1986)	STD.,25mm.,50mm	MS-2068P
MB-3513A(F) GMC: 173(1985-1989)		MS-2037A-.25mm	MB-3566P(F) Chry: 122(1974-1978)		MS-2069P-.25mm
MB-3513P(F) GMC: 173(1985-1989)	STD.,25mm.,50mm.,75mm,1.00mm	MS-2037P	MB-3567P(F) Audi: 1471(1973-1974)		MS-2070P-.25mm
MB-3514P GMC: 146(1996-2002)	STD.,25mm.,50mm.,75mm	MS-2056P	MB-3568P(F) Nis: 1488(1982-1984)	STD.,25mm.,50mm	MS-2072P
MB-3515P(F) GMC: 146(1996-2002)	STD.,25mm.,50mm.,75mm	MS-2056P	MB-3569P(F) Nis: 1597(1987-1987)		MS-2073P-.25mm
MB-3519P(F) Nis: 1952(1974-1981)	STD.,25mm.,50mm.,75mm	MS-2042P	MB-3570P(F) FordTrk: 2960(1993-1998)		MS-2074P-.25mm
MB-3520P(F) Chry: 98(1971-1990)		MS-2043P	MB-3571P(F) Chry: 86(1979-1984)		MS-2075P-.25mm
MB-3523P(F) Maz: 1998(1983-1987); MazTrk: 1998(1986-1987)	STD.,25mm.,50mm.,75mm	MS-2046P	MB-3572P(F) Chry: 98(1971-1990)	STD.,25mm.,50mm	MS-2076P
MB-3544AL Ford: 122(1993-1997); Maz: 1991(1993-2002)	STD.,25mm.,50mm	MS-2057AL	MB-3573P(F) Nis: 1171(1971-1973)		MS-2077P-.25mm
MB-3545AL Ford: 153(1993-1997); Maz: 2254(1995-1996)	STD.,25mm.,50mm	MS-2058AL	MB-3574P(F) Nis: 1595(1968-1973)		MS-2078P-.25mm
MB-3546AL Ford: 153(1993-1997); Maz: 2254(1995-1996)	STD.,25mm.,50mm	MS-2058AL	MB3575P(F) Nis: 1982(1968-1970); NisInd: 1982(1967-1992)		MS-2079P-.25mm
MB-3547P Inf: 4130(1997-1998)	STD.,25mm	MS-2060P	MB-3576P(F) Nis: 2389(1989-2001); NisTrk: 2389(1989-2002)		MS-2080P-.25mm
MB-3548P Inf: 4130(1997-1998)	STD.,25mm	MS-2060P	MB-3577P(F) Nis: 2393(1970-1984)		MS-2081P-.25mm
MB-3549P Inf: 4130(1997-1998)	STD.,25mm	MS-2060P	MB-3578P(F) NisTrk: 3956(1979-1990)		MS-2082P-.25mm
MB-3550AL Lex: 2997(1992-1998); Toy: 2997(1993-1998)	STD.,25mm	MS-2014AL	MB-3579P(F) Sub: 1088(1971-1971)	STD.,25mm	MS-2083P
MB-3551AL LexTrk: 4476(1996-1997); ToyTrk: 4476(1993-1997)	STD.,25mm.,50mm.,75mm	MS-2061AL	MB-3580P(F) Sub: 1595(1978-1988); SubTrk: 1595(1978-1980)		MS-2084P-.25mm
MB-3552ALA Sub: 1820(1993-1997)	STD.,25mm.,50mm	MS-2062AL			

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-3581P(F) Toy: 1858(1969-1971)		MS-2085P-.25mm	MB-3752P Ford: 281(1996-2004); FordTrk: 281(1997-2004)	STD,.25mm,.50mm,.75mm	MS-2202P MS-2203P
MB-3582P(F) ToyTrk: 2977Diesel(1972-1984)		MS-2086P-.25mm	MB-3753H Ford: 1989(1995-2003); Maz: 1989(2001-2003)	STD,.026mm,.25mm	MS-2208H
MB-3583P(F) ToyTrk: 3878(1972-1975)		MS-2087P-.25mm	MB-3753HX Ford: 1989(1995-2003); Maz: 1989(2001-2003)	STD	MS-2208HX
MB-3584P(F) ToyTrk: 3878(1969-1971)		MS-2088P-.25mm	MB-3753P Ford: 1989(1995-2003); FordTrk: 1989(2001-2003); MazTrk: 1989(2001-2003)	STD,.25mm,.50mm,.75mm	MS-2208P
MB-3585P(F) ChryMar: 109		MS-2089P-10 MS-2090P-10	MB-3754H(F) Ford: 1989(1995-2003); Maz: 1989(2001-2003)	STD,.026mm,.25mm	MS-2208H
MB-3587P GMCTrk.: 379Diesel(1982-1993)	STD,.026mm,.25mm,.50mm,.75mm	MS-2091P	MB-3754HX(F) Ford: 1989(1995-2003); Maz: 1989(2001-2003)	STD	MS-2208HX
MB-3588P(F) GMCTrk.: 379Diesel(1982-1993)	STD,.026mm,.25mm,.50mm,.75mm	MS-2091P	MB-3754P(F) Ford: 1989(1995-2003); FordTrk: 1989(2001-2003); MazTrk: 1989(2001-2003)	STD,.25mm,.50mm,.75mm	MS-2208P
MB-3589P GMCTrk.: 379Diesel(1982-1993)	STD,.026mm,.25mm,.50mm,.75mm	MS-2091P	MB-3755P(F) Ford: 281(1991-1992)	STD,.25mm,.50mm,.75mm	MS-2204P
MB-3591H GMC: 294(1999-2004)	STD,1,10	MS-2199H MS-2199HK	MB-3758P GMC: 244(1995-2002)	STD,.25mm,.50mm,.75mm	MS-2206P
MB-3591HX GMC: 294(1999-2004)	STD	MS-2199HX MS-2199HXX	MB-3759P(F) GMC: 244(1995-2002)	STD,.25mm,.50mm,.75mm	MS-2206P
MB-3591P GMC: 346(1997-2004)	STD,10,20,30	MS-2199P	MB-3760P Acura: 1678(1992-1993)	STD,.25mm,.50mm	MS-2095P
MB-3592H(F) GMC: 294(1999-2004)	STD,1,10	MS-2199H MS-2199HK	MB-3764AL GMC: 98(1985-1997)	STD,.25mm,.50mm,.75mm	MS-2211AL
MB-3592HX(F) GMC: 294(1999-2004)	STD	MS-2199HX MS-2199HXX	MB-3765AL ToyTrk: 2438(1995-2001)	STD,.25mm,.50mm	MS-2212AL
MB-3592P(F) GMC: 346(1997-2004)	STD,10,20,30	MS-2199P	MB-3766AL ToyTrk: 2438(1995-2001)	STD,.25mm,.50mm	MS-2212AL
MB-3594P Chry: 148(1995-2004); DodTrk: 148(1996-2004)	STD,.25mm,.50mm	MS-2201P	MB-3767AL Chry: 112(1992-1994); Eagle: 112(1992-1996); Mits: 1834(1993-2001); MitsTrk: 1834(1992-1994)	STD,.25mm,.50mm	MS-2213AL
MB-3595P(F) Chry: 148(1995-2004); DodTrk: 148(1996-2004)	STD,.25mm,.50mm	MS-2201P	MB-3770AL ToyTrk: 2438(1995-2001)	STD,.25mm,.50mm	MS-2212AL
MB-3596P Chry: 167(1998-2005)	STD,.25mm,.50mm,.75mm	MS-2209P	MB-3771P DodTrk: 287(2000-2005); Jeep: 287(1999-2005)	STD,.25mm,.50mm	MS-2216P
MB-3597P Chry: 197(1998-2001)	STD,.25mm,.50mm	MS-2210P	MB-3774AL GMCTrk.: 496(2001-2003); GMCMar: 496(2001-2003); MercMar: 496(2001-2003); Workhorse: 496(2002-2003)	STD,10,20	MS-2235AL
MB-3748P Komatsu: 674Diesel	STD,.25mm	MS-2197P	MB-3775AL(F) GMCTrk.: 496(2001-2003); GMCMar: 496(2001-2003); MercMar: 496(2001-2003); Workhorse: 496(2002-2003)	STD,10,20	MS-2235AL
MB-3749P GMC: 134(1998-2002); GMCTrk.: 134(1998-2003); IsuTrk: 134(1998-2000)	STD,10,20,30	MS-2205P	MB-3776P GMCTrk.: 403Diesel(2001-2004); Workhorse: 403Diesel(2004-2004)	STD,.25mm,.50mm	MS-2218P
MB-3750P Ford: 155(1995-2002)	STD,.25mm,.50mm,.75mm	MS-2207P MS-2214P	MB-3778P ToyInd: 2771	STD,.25mm,.50mm	MS-2217P
MB-3750W Ford: 155(1995-2002)	STD,.25mm,.50mm,.75mm	MS-2207P	MB-3779P ToyInd: 2771	STD,.25mm,.50mm	MS-2217P
MB-3751P(F) Ford: 155(1995-2002)	STD,.25mm,.50mm,.75mm	MS-2207P			

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-3780P	STD.,25mm.,50mm Chry: 345(2005-2005); DodTrk: 345(2003-2005); Jeep: 345(2005-2005)	MS-2220P	MB-3805P	STD.,25mm.,50mm AcuraTrk: 3165(1996-1997); HonTrk: 3165(1994-2002); MS-2236P IsuTrk: 3165(1992-2002)	
MB-3781P	STD,10,20 GMCTrk.: 254(2002-2005); IsuTrk: 254(2003-2005)	MS-2224AL	MB-3806P	STD.,25mm.,50mm AcuraTrk: 3165(1996-1997); HonTrk: 3165(1994-2002); MS-2236P IsuTrk: 3165(1992-2002)	
MB-3782P(F)	STD,10,20 GMCTrk.: 254(2002-2005); IsuTrk: 254(2003-2005)	MS-2224AL	MB-3808P	STD.,25mm.,50mm Maz: 1844(1992-1994)	MS-2237P
MB-3783P	STD,10,20 GMC: 212(1999-2002)	MS-2225AL	MB-3809P	STD.,25mm.,50mm Maz: 1844(1992-1994)	MS-2237P
MB-3784P(F)	STD,10,20 GMC: 212(1999-2002)	MS-2225AL	MB-3811P	STD.,25mm.,50mm Mits: 3497(1997-2002); MitsTrk: 3497(1994-2002)	MS-2238P
MB-3785V	STD,1 CustomPerformance:	MS-2221V	MB-3813P	STD.,25mm.,50mm Chry: 2497(1995-2000); Mits: 2497(1995-1995)	MS-2239P
MB-3787P	STD.,25mm.,50mm.,75mm FordTrk: 363Diesel(2003-2004)	MS-2223P	MB-3814P	STD.,25mm.,50mm Lex: 2995(1994-2002); LexTrk: 2995(1999-2002); Toy: 2995(1994-2002); ToyTrk: 2995(1998-2002)	MS-2240P
MB-3788P(F)	STD.,25mm.,50mm.,75mm FordTrk: 363Diesel(2003-2004)	MS-2223P	MB-3815P	STD.,25mm.,50mm Lex: 2995(1994-2002); LexTrk: 2995(1999-2002); Toy: 2995(1994-2002); ToyTrk: 2995(1998-2002)	MS-2240P
MB-3789HG	STD,10 Chry: 413(1959-1973)	MS-2233HG	MB-3817P	STD.,25mm.,50mm ToyTrk: 3378(1995-2002)	MS-2241P
MB-3790P	STD.,25mm.,50mm DodTrk: 287(2005-2005); Jeep: 287(2002-2004)	MS-2242P	MB-3818P	STD.,25mm.,50mm ToyTrk: 3378(1995-2002)	MS-2241P
MB-3790PU	STD.,25mm.,50mm DodTrk: 226(2002-2005); Jeep: 226(2002-2005)	MS-2244P	MB-3819ALU	STD.,25mm.,50mm Scion: 2362(2005-2005); Toy: 2362(2002-2005); ToyTrk: 2362(2001-2005)	MS-2243AL
MB-3791P	STD.,25mm.,50mm.,75mm Chry: 181(1988-1996); DodTrk: 181(1987-2000); Hyun: 2972(1989-1998); Mits: 2972(1988-1999); MitsTrk: 2972(1989-1998)	MS-2226P	MB-3822AL	STD.,25mm.,50mm Ford: 121(2004-2005)	MS-2245AL
MB-3792AL	STD.,25mm.,50mm Audi: 1781(1997-2000); VW: 1781(1998-2002)	MS-2227AL	MB-3823AL(F)	STD.,25mm.,50mm Ford: 121(2004-2005)	MS-2245AL
MB-3793AL	STD.,25mm.,50mm Audi: 1781(1997-2000); VW: 1781(1998-2002)	MS-2227AL	MB-3824AL	STD,10,20,30 GMC: 134(2002-2005); Sat: 134(2000-2003); SaturnTruck: 134(2002-2003)	MS-2232AL
MB-3795P	STD Audi: 2771(1998-1999); VW: 2771(1998-2000)	MS-2228P	MB-3825AL(F)	STD,10,20,30 GMC: 134(2002-2005); Sat: 134(2000-2003); SaturnTruck: 134(2002-2003)	MS-2232AL
MB-3797AL	STD.,25mm VW: 2792(1992-1999)	MS-2229AL	MB-4000P(F)	STD.,25mm.,50mm Chry: 122(1995-2003)	MS-2028P
MB-3799AL	STD.,25mm Vol: 142(1994-2002)	MS-2230AL	MB-4001P	STD.,25mm.,50mm Chry: 122(1995-2003)	MS-2028P
MB-3800AL(F)	STD.,25mm Vol: 142(1994-2002)	MS-2230AL	MB-4004P	STD,10,20,30 FordTrac: 401Diesel(1986-1997)	MS-2030P
MB-3801AL	STD Vol: 178(1992-1999)	MS-2231AL	MB-4005P(F)	STD,10,20,30 FordTrac: 401Diesel(1986-1997)	MS-2030P
MB-3802AL(F)	STD Vol: 178(1992-1999)	MS-2231AL			
MB-3803P	STD.,25mm.,50mm Hyun: 1495(1994-1999)	MS-2234P			
MB-3804P(F)	STD.,25mm.,50mm Hyun: 1495(1994-1999)	MS-2234P			

NUMERICAL LISTING OF CLEVITE 77 BEARING SHIM SETS					
Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
SM-104S	STD GMC: 216(1937-1952), 235(1950-1953); GMC Trk.: 216(1937-1953), 235(1950-1953)	SM-118S	STD Alc: 226; Roil: 176 Diesel, 201 Diesel, 226 Diesel	SM-124S	STD GMC: 235(1953-1962); GMC Trk.: 235(1953-1962), 261(1954-1962)
Contents: (1)SM-106		Contents: (1)SM-129		Contents: (1)SM-140 (1)SM-141	
SM-105S	STD GMC: 216(1948-1952), 235(1950-1953); GMC Trk.: 216(1948-1953), 235(1950-1953)	SM-119S	STD Alc: 226; Roil: 176 Diesel, 201 Diesel, 226 Diesel		
Contents: (1)SM-107 (1)SM-108		Contents: (1)SM-130 (1)SM-131			

NUMERICAL LISTING OF CLEVITE 77 CAMSHAFT BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
SH-21S	STD Ford: 239(1939-1953), 255(1949-1953); FordInd: 239(1939-1953); FordTrk: 239(1948-1953); MilStd: 239 Contents: (1)SH-22 (2)SH-21	SH-220S	STD IntInd: 220, 221, 240, 263, 264, 282, 301, 236 Diesel, 282 Diesel, 301 Diesel; IntTrac: 221, 263, 282, 291, 301, 236 Diesel, 282 Diesel, 301 Diesel; NavInt: 220(1950-1968), 240(1949-1969), 241(1963-1970), 264(1955-1969), 265(1955-1970), 301 Contents: (1)SH-220 (1)SH-224 (1)SH-455 (1)SH-493	SH-344S	STD Ford: 368(1956-1957) Contents: (2)SH-250 (3)SH-344
SH-23S	STD Chry: 218(1934-1954), 230(1946-1959); ChryInd: 218(1942-1960), 230(1942-1960); ChryMar: 201, 218, 230; Clark: 218(1942-1954); Coshtt: 218(1942-1954); DodTrk: 218(1939-1954), 230(1942-1960); MasFer: 218(1942-1954), 230(1942-1960); MilStd: 23 Contents: (1)SH-23 (1)SH-24 (1)SH-25	SH-277S	STD GMC: 331(1949-1955), 365(1956-1958), 390(1959-1962) Contents: (1)SH-278 (4)SH-277	SH-354S	STD IntInd: 152, 164, 169, 175; IntTrac: 152, 164, 169, 175; MilStd: 152 Contents: (1)SH-354 (1)SH-355 (1)SH-356
SH-37S	STD Chry: 218(1938-1954), 237(1942-1950), 251(1942-1954), 265(1951-1954); ChryInd: 237, 251, 265; ChryMar: 251, 265; Coshtt: 237, 251; DodTrk: 242(1938-1941), 251(1942-1968), 265(1953-1960); MasFer: 237, 251, 265; MilStd: 265; MinMol: 251, 265; Contents: (1)SH-23 (1)SH-37 (1)SH-38	SH-287S	STD ChrisCft: 283; FlagMar: 283, 327; GMC: 265(1955-1957), 283(1957-1963), 302(1967-1967), 327(1962-1963); GMC Trk.: 265(1955-1957), 283(1957-1963), 327(1962-1963); GMCMar: 283, 327; MasFer: 327; MercMar: 283, 327; MilStd: 283; OMC: 283; ThermE Contents: (1)SH-288 (1)SH-289 (1)SH-290 (2)SH-287	SH-361S	STD GMC: 364(1957-1961), 401(1959-1966), 425(1963-1966) Contents: (1)SH-361 (1)SH-363 (1)SH-364 (1)SH-365 (1)SH-506
SH-56S	STD Case: 124, 140; Clark: 162; Cont: 124, 135, 140, 162, 163, 198; Coshtt: 140; GrayMar: 140, 162; MasFer: 124, 140, 162; Oliver: 140, 162 Contents: (1)SH-1211 (1)SH-56 (1)SH-57	SH-290S	STD,10 Checker: 267(1980-1980), 283(1965-1967), 305(1978-1980), 307(1968-1969), 327(1965-1969), 350(1969-1979); ChrisCft: 283, 302, 305, 307, 327, 350; FlagMar: 283, 305, 307, 327, 350; GMC: 262(1975-1976), 265(1994-1996), 267(1979-1982), 283(1964 Contents: (1)SH-290 (2)SH-287 (2)SH-288	SH-369S	STD FordInd: 401(1958-1976), 477(1958-1981), 534(1958-1981); FordMar: 534(1958-1981); FordTrk: 401(1958-1975), 475(1973-1979), 477(1958-1981), 534(1958-1981); MilStd: 534; Seamstr: 534 Contents: (1)SH-369 (4)SH-370
SH-69S	STD IntTrac: 233; Jeep: 134(1939-1973); KaisFraz: 134(1951-1953); MilStd: 134; NavInt: 175(1937-1947), 213(1933-1949), 233(1937-1949) Contents: (1)SH-69	SH-291S	STD GMC: 195(1961-1962), 287(1955-1955), 347(1957-1957), 370(1958-1958), 389(1959-1962); GMC Trk.: 287(1955-1955), 317(1956-1956), 336(1958-1959), 347(1957-1957) Contents: (1)SH-291 (4)SH-292	SH-383S	STD GMC: 235(1954-1962); GMC Trk.: 235(1954-1962), 261(1954-1962) Contents: (1)SH-263 (1)SH-264 (1)SH-265 (1)SH-383
SH-85S	STD Austin: 1098(1964-1978), 1275(1964-1978); MG: 1275(1967-1974) Contents: (1)SH-1001 (1)SH-1002 (1)SH-1006	SH-292S	STD GMC: 195(1963-1963), 265(1980-1981), 301(1977-1981), 326(1963-1967), 350(1968-1977), 389(1959-1966), 400(1967-1979), 421(1963-1966), 428(1967-1969), 455(1970-1976) Contents: (5)SH-292	SH-384S	STD Alc: 116, 125 Contents: (3)SH-384
SH-116S	STD IntInd: 248, 264, 281; IntTrac: 248, 264, 281 Contents: (1)SH-116 (1)SH-117 (1)SH-118	SH-313S	STD Chry: 301(1955-1955), 331(1951-1956), 354(1956-1958), 392(1957-1958); ChryInd: 331; ChryMar: 331; DodTrk: 331(1954-1956) Contents: (1)SH-313 (1)SH-315 (3)SH-314	SH-385S	STD Alc: 201, 226 Contents: (3)SH-385
SH-142S	STD MilStd: 779, 817; Wauk: 501, 638, 779, 817 Contents: (4)SH-142	SH-322S	STD Alc: 237; ChrisCft: 230, 237; Clark: 237; Deere: 230; Herc: 191, 205, 222, 230, 237; Oliver: 205; PalMar: 230 Contents: (2)SH-322 (2)SH-323	SH-386S	STD Alc: 153, 182, 230, 262, 273, 153 Diesel, 175 Diesel, 230 Diesel, 262 Diesel, 273 Diesel; Buda: 153, 182, 230, 262, 273, 153 Diesel, 175 Diesel, 230 Diesel, 262 Diesel, 273 Diesel; Coshtt: 230 Contents: (1)SH-386 (1)SH-388 (2)SH-387
SH-190S	STD Clark: 209, 226; Cont: 170, 184, 186, 199, 202, 206, 209, 214, 218, 226, 227, 242, 244, 245; Coshtt: 226; GrayMar: 244; Jeep: 226(1947-1963); KaisFraz: 226(1947-1954); MasFer: 226, 227, 244; MinMol: 226, 244; Oliver: 202, 209, 226, 244 Contents: (1)SH-1211 (1)SH-191 (1)SH-56 (1)SH-57	SH-330S	STD Coshtt: 194, 194 Diesel; Oliver: 121, 129, 144, 155, 194, 216, 231, 232, 265, 302, 129 Diesel, 144 Diesel, 155 Diesel, 194 Diesel, 216 Diesel, 231 Diesel, 265 Diesel, 302 Diesel; Wauk: 121, 125, 129, 144, 155, 194, 216, 232, 265, 302, 320 Contents: (1)SH-330	SH-398S	STD GMC: 348(1958-1961), 409(1961-1965); GMC Trk.: 348(1958-1965), 409(1962-1965); ThermElec: 348, 409 Contents: (1)SH-398 (1)SH-399 (1)SH-401 (2)SH-400
SH-191S	STD Clark: 69, 91, 112; Cont: 69, 91, 112; GrayMar: 69, 91, 112; MasFer: 91; Oliver: 112 Contents: (1)SH-191 (1)SH-56 (1)SH-57	SH-343S	STD FordInd: 332(1956-1963); FordTrk: 302(1956-1963), 332(1956-1963) Contents: (1)SH-250 (1)SH-343 (3)SH-344	SH-399S	STD,10 Checker: 230(1964-1968), 250(1969-1970); GMC: 194(1962-1967), 215(1964-1965), 230(1964-1970), 250(1966-1970); GMC Trk.: 194(1964-1966), 230(1963-1970), 250(1966-1970), 292(1963-1970); MasFer: 292; MercMar: 230, 250, 292; OMC: 250; StksMar: Contents: (2)SH-399 (2)SH-400
SH-198S	STD Clark: 320, 339; Herc: 164, 188, 214, 228, 232, 245, 263, 282, 298, 320, 339; MasFer: 282, 339; Oliver: 228, 320, 339 Contents: (2)SH-197 (2)SH-198			SH-400S	STD GMC: 153(1962-1970); GMC Trk.: 153(1963-1970); MercMar: 153; ThermElec: 153 Contents: (1)SH-399 (2)SH-400
SH-209S	STD,10 GMC: 216(1937-1952), 235(1950-1954); GMC Trk.: 216(1937-1953), 228(1939-1953), 235(1950-1954), 236(1942-1946), 248(1939-1955), 261(1954-1954), 270(1939-1962), 302(1952-1959); MilStd: 302 Contents: (1)SH-209 (1)SH-33 (1)SH-34 (1)SH-35			SH-426S	STD IntInd: 345; NavInt: 152(1961-1968), 196(1966-1980), 266(1959-1975), 304(1959-1980), 345(1959-1982), 392(1968-1987); PalMar: 196(1966-1980), 304(1959-1980), 345(1959-1982), 392(1968-1982) Contents: (1)SH-426 (1)SH-427 (1)SH-428 (1)SH-429 (1)SH-430

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Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
SH-439S	STD Wauk: 1013, 1196 Contents: (1)SH-439 (1)SH-441 (2)SH-440	SH-510S	STD,10 CommMar: 302, 351; DearbMar: 289, 302, 351; Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001), 351(1969-1998); FordInd: 302(1968-1993), 351(1969-1993); FordMar: 221, 260, 289, 302, 351; FordTrk: 255(1981-1 Contents: (1)SH-510 (1)SH-511 (1)SH-512 (1)SH-513 (1)SH-514	SH-558S	STD IntInd: 166 Diesel; IntTrac: 166 Diesel, 188 Diesel Contents: (1)SH-220 (1)SH-455 (1)SH-493
SH-468	STD Alc: 213 Diesel, 284 Diesel, 426 Diesel; Clark: 568 Diesel; Deere: 426 Diesel; DetD: 213 Diesel, 284 Diesel, 426 Diesel, 568 Diesel, 852 Diesel, 1136 Diesel; MasFer: 213 Diesel, 568 Diesel; MilStd: 426 Diesel, 568 Diesel; Oliver: 213 Diesel Contents: (1)SH-468	SH-525	STD Alc: 213 Diesel, 284 Diesel, 426 Diesel; Clark: 568 Diesel; Deere: 426 Diesel; DetD: 213 Diesel, 284 Diesel(1980-1988), 426 Diesel(1980-1988), 552 Diesel(1979-1988), 568 Diesel(1980-1988), 736 Diesel(1979-1988), 852 Diesel(1980-1988), 1104 Contents: (1)SH-525	SH-559S	STD,10 DearbMar: 256(1954-1954), 272(1955-1957), 292(1955-1955), 312(1956-1960); Ford: 256(1954-1954), 272(1955-1957), 292(1955-1962), 312(1956-1960); FordInd: 239(1955-1955), 256(1954-1955), 272(1956-1958), 292(1958-1964); FordMar: 239(1957-1959) Contents: (1)SH-285 (4)SH-559
SH-476RS	STD,20 Alc: 213 Diesel, 284 Diesel, 426 Diesel; Clark: 568 Diesel; Deere: 426 Diesel; DetD: 213 Diesel, 284 Diesel(1980-1988), 426 Diesel(1980-1988), 552 Diesel(1979-1988), 568 Diesel(1980-1988), 736 Diesel(1980-1986), 852 Diesel(1980-1988), 1104 Contents: (1)SH-476R	SH-527S	STD Alc: 142 Diesel; DetD: 142 Diesel Contents: (5)SH-527	SH-561S	STD Herc: 130, 149, 169, 130 Diesel, 149 Diesel, 169 Diesel Contents: (1)SH-198 (2)SH-561
SH-477WS	STD Alc: 213 Diesel, 284 Diesel, 426 Diesel; Clark: 568 Diesel; Deere: 426 Diesel; DetD: 213 Diesel(1979-1988), 284 Diesel(1980-1988), 426 Diesel(1979-1988), 552 Diesel(1979-1988), 568 Diesel(1980-1988), 736 Diesel(1980-1986), 852 Diesel(1979-1 Contents: (1)SH-477W	SH-529S	STD AMC: 196(1961-1965) Contents: (1)SH-470 (1)SH-471 (1)SH-472 (1)SH-529	SH-562S	STD Alc: 339; Coshttt: 198; Herc: 173, 198, 226, 260, 298, 339, 173 Diesel, 198 Diesel, 226 Diesel, 260 Diesel, 298 Diesel, 339 Diesel; Oliver: 198; PalMar: 339 Contents: (2)SH-198 (2)SH-561
SH-481S	STD AMC: 1489(1958-1961); Austin: 1489(1956-1961), 1798(1966-1978); Hud: 1198(1954-1955), 1489(1956-1957); MG: 1489(1954-1961), 1588(1959-1962), 1622(1962-1968), 1798(1963-1980); Morris: 1198(1954-1959), 1489(1954-1961), 1622(1962-1966); Nash: Contents: (1)SH-481 (1)SH-482 (1)SH-483	SH-530S	STD GMC: 368(1980-1984), 390(1963-1963), 425(1977-1979), 429(1964-1967), 472(1968-1974), 500(1970-1976) Contents: (5)SH-530	SH-563S	STD Mack: 672, 707, 605 Diesel, 672 Diesel, 707 Diesel; MilStd: 672 Diesel Contents: (1)SH-563 (1)SH-564
SH-493S	STD IntInd: 372, 406, 450, 501; NavInt: 318(1944-1947), 361(1944-1949), 372(1949-1968), 401(1944-1949), 406(1949-1977), 450(1944-1974), 501(1953-1974) Contents: (1)SH-220 (1)SH-221 (1)SH-222 (1)SH-493	SH-531S	STD Deere: 113, 100.5 Contents: (1)SH-531 (1)SH-532	SH-565WS	STD Mack: 672, 707, 605 Diesel, 672 Diesel, 707 Diesel; MilStd: 672 Diesel Contents: (1)SH-565W (1)SH-566W
SH-500S	STD Deere: 115, 145, 165, 145 Diesel, 155 Diesel, 165 Diesel Contents: (1)SH-500 (2)SH-501	SH-533S	STD Ford: 223(1963-1964); FordInd: 223(1963-1964), 262(1963-1964); FordTrk: 223(1963-1964), 262(1963-1964) Contents: (4)SH-533	SH-566WS	STD Mack: 672, 707, 605 Diesel, 672 Diesel, 707 Diesel; MilStd: 672 Diesel Contents: (1)SH-566W
SH-501S	STD Deere: 217, 248, 248 Diesel Contents: (1)SH-500 (3)SH-501	SH-534S	STD Ford: 215(1952-1953), 223(1954-1963); FordInd: 215(1952-1953), 223(1954-1963), 262(1961-1963); FordTrac: 223(1961-1966), 242 Diesel(1961-1966); FordTrk: 215(1952-1953), 223(1954-1963), 262(1961-1963) Contents: (1)SH-249 (3)SH-533	SH-567S	STD,10 Ford: 240(1965-1972); FordInd: 240(1965-1974), 300(1965-1985); FordMar: 240, 300; FordTrk: 240(1965-1974), 300(1965-1985); OscoMar: 300 Contents: (4)SH-567
SH-502S	STD Case: 106, 124, 126, 148, 159, 164 Contents: (1)SH-502 (1)SH-503 (1)SH-504	SH-538S	STD IntInd: 361 Diesel, 407 Diesel; IntTrac: 407, 361 Diesel, 407 Diesel Contents: (1)SH-220 (1)SH-222 (1)SH-538 (1)SH-539	SH-568S	STD Cumm: 743, 855, 464 Diesel, 672 Diesel, 743 Diesel, 855 Diesel, 927 Diesel Contents: (1)SH-318 (6)SH-568
SH-506S	STD ChrisCft: 225; GMC: 198(1962-1963), 225(1964-1967); Jeep: 225(1966-1971); OMC: 225; StksMar: 225; ThermElec: 225 Contents: (1)SH-363 (1)SH-364 (1)SH-365 (1)SH-506	SH-543S	STD IntInd: 573 Diesel; IntTrac: 573 Diesel, 798 Diesel; NavInt: 573 Diesel(1968-1971), 798 Diesel(1975-1979) Contents: (5)SH-543	SH-590S	STD Ford: 1498(1963-1970), 1699(1963-1975); Saab: 1498(1967-1970) Contents: (1)SH-590 (1)SH-591 (1)SH-592
SH-507S	STD IntTrac: 144 Diesel, 154 Diesel Contents: (1)SH-507 (1)SH-508 (1)SH-509	SH-549S	10 AMC: 150(1983-1986), 199(1965-1970), 232(1964-1979), 258(1971-1988); DodTrk: 150(1996-1998); Eagle: 150(1988-1989); GrayMar: 258(1971-1980); Jeep: 150(1983-1998), 232(1965-1978), 242(1987-1998), 258(1971-1990); NavInt: 232(1969-1972), 258(1 Contents: (1)SH-549 (1)SH-550 (1)SH-551 (1)SH-552	SH-606S	STD Chry: 215(2003-2003); MbTrk: 346 Diesel(1965-1979), 5675 Diesel(1971-1976) Contents:
				SH-614S	STD Oliver: 283, 283 Diesel, 310 Diesel; Wauk: 283, 310, 283 Diesel, 310 Diesel Contents: (4)SH-330

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Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
SH-615S	STD FlagMar: 427; GMC: 366(1966-1966), 396(1965-1966), 402(1970-1972), 427(1966-1966), 454(1970-2000), 502(1965-1965); GMC Trk.: 366(1966-1966), 396(1966-1966); GMCMar: 427; MercMar: 427; ThermElec: 427 Contents: (1)SH-615 (1)SH-616 (1)SH-618 (2)SH-617	SH-681S	STD IntInd: 401, 461, 549; NavInt: (1956-1969), 401(1956-1975), 461(1956-1964), 478(1965-1977), 537(1978-1981), 549(1956-1978), 461 Diesel(1966-1979), 549 Diesel(1966-1979), 551 Diesel(1980-1988); PalMar: 401(1956-1975), 461(1956-1964), 549(195 Contents: (1)SH-351 (1)SH-352 (1)SH-681 (1)SH-682	SH-710S	STD,10 Ford: 351(1970-1982), 400(1971-1982); FordMar: 351(1970-1974); FordTrk: 351(1970-1982), 400(1972-1982) Contents: (1)SH-511 (1)SH-512 (1)SH-513 (1)SH-514 (1)SH-710
SH-616S	STD ChrisCft: 454; FlagMar: 427, 454; GMC: 366(1967-1998), 396(1967-1971), 402(1970-1972), 427(1967-1998), 454(1970-2000), 502(1967-1970); GMC Trk.: 366(1967-1998), 396(1967-1971), 402(1970-1972), 427(1968-1998), 454(1970-2000), 496(2001-2003); Contents: (1)SH-615 (2)SH-616 (2)SH-617	SH-683S	STD Cont: 120, 129, 134, 145; MasFer: 120, 129, 134, 145 Contents: (1)SH-191 (1)SH-317 (1)SH-362-10	SH-711S	STD Ford: 98(1971-1973), 997(1960-1967), 1098(1968-1980), 1100(1971-1973), 1198(1961-1968), 1298(1968-1980), 1340(1961-1962), 1498(1963-1967), 1599(1967-1980); FordInd: 67(1973-1982), 98(1973-1982); FordTrk: 997(1959-1967), 1198(1961-1968) Contents: (1)SH-711 (1)SH-712 (1)SH-713
SH-617S	STD GMC: 366(1967-1998), 396(1967-1970), 402(1970-1972), 427(1967-1998), 454(1970-2000), 502(1967-1998) Contents: (5)SH-617	SH-686S	STD DetD: 424 Diesel Contents: (1)SH-688 (2)SH-686 (2)SH-687	SH-716S	STD GMC: 122(1975-1976), 140(1971-1977); GMC Trk.: 140(1971-1975) Contents: (1)SH-716 (4)SH-717
SH-628S	STD Alc: 426 Diesel Contents: (1)SH-628 (5)SH-629	SH-690S	STD Case: 188, 201 Contents: (2)SH-518 (2)SH-689	SH-718S	STD,10 Checker: 250(1971-1979); GMC: 250(1971-1979); GMC Trk.: 250(1971-1984), 292(1971-1989); MercMar: 250, 292; OMC: 250; StksMar: 250; ThermElec: 292 Contents: (4)SH-400
SH-629S	STD Alc: 265, 301, 301 Diesel Contents: (1)SH-628 (3)SH-629	SH-692S	STD Onan: 50 Contents: (2)SH-692	SH-719S	STD Alc: 200, 200 Diesel Contents: (1)SH-628 (2)SH-629
SH-643S	STD ChrisCft: 427; DearbMar: 427; Ford: 427(1966-1968); FordMar: 427 Contents: (1)SH-643 (1)SH-644 (1)SH-645 (1)SH-646 (1)SH-781	SH-693S	STD Mack: 707, 672 Diesel, 707 Diesel; MilStd: 672 Diesel Contents: (1)SH-357 (1)SH-560 (2)SH-693 (3)SH-676	SH-720S	STD Toy: 1077(1968-1969), 1166(1969-1979), 1290(1981-1984) Contents: (1)SH-720 (1)SH-721 (1)SH-722 (1)SH-723
SH-652	STD FordInd: 401 Diesel; FordTrac: 158(1965-1968), 175(1975-1980), 192(1965-1969), 201(1975-1980), 233(1965-1968), 256(1965-1968), 158 Diesel(1965-1968), 175 Diesel(1965-1968), 183 Diesel(1975-1980), 192 Diesel(1965-1968), 201 Diesel(1975-1980) Contents: (1)SH-652	SH-698S	STD DetD: 106 Diesel Contents: (1)SH-687 (2)SH-686	SH-725S	STD Toy: 1588(1971-1979), 1770(1980-1982) Contents: (1)SH-725 (1)SH-726 (1)SH-727 (1)SH-728 (1)SH-729
SH-671S	STD AMC: 290(1966-1969), 304(1970-1979), 343(1967-1969), 360(1970-1978), 390(1968-1970), 401(1971-1976); GrayMar: 304(1970-1979), 360(1970-1978), 390(1968-1970); Jeep: 304(1971-1981), 360(1971-1991), 401(1974-1978); NavInt: 400(1973-1975) Contents: (1)SH-671 (1)SH-672 (1)SH-673 (1)SH-674 (1)SH-675	SH-699S	STD Clark: 159 Diesel; DetD: 159 Diesel; FordTrk: 159 Diesel(1973-1976); GMC Trk.: 159 Diesel(1967-1968); MilStd: 159 Diesel Contents: (1)SH-687 (2)SH-686	SH-730S	STD Toy: 1858(1969-1971), 1968(1972-1974), 2253(1968-1972), 2563(1971-1976); ToyTrk: 1858(1969-1971), 1968(1972-1974) Contents: (1)SH-730(L) (3)SH-731
SH-676S	STD Mack: 707, 672 Diesel, 707 Diesel; MilStd: 672 Diesel Contents: (1)SH-560 (6)SH-676	SH-700S	STD Clark: 212 Diesel; Coshtt: 212 Diesel; DetD: 212 Diesel; Oliver: 212 Diesel Contents: (1)SH-688 (2)SH-686 (2)SH-687	SH-732S	STD MilStd: 142 Contents: (3)SH-732
		SH-701S	STD DetD: 318 Diesel; MilStd: 318 Diesel Contents: (2)SH-686 (2)SH-687	SH-733S	STD Ford: 122(1971-1974), 1593(1970-1982), 1993(1970-1976) Contents: (1)SH-128 (1)SH-129 (1)SH-130
		SH-703S	STD DearbMar: 144(1960-1964), 170(1961-1973); Ford: 144(1960-1964), 170(1961-1972), 200(1963-1983), 250(1969-1980); FordInd: 144(1960-1964), 200(1965-1983); FordMar: 144(1960-1964), 170(1961-1973), 200(1964-1983), 250(1969-1980); FordTrk: 144(1 Contents: (1)SH-412 (1)SH-413 (1)SH-414 (1)SH-703	SH-735S	STD VW: 1192(1965-1965), 1285(1966-1966), 1493(1967-1969), 1584(1966-1979); VWTrk: 1493(1965-1967), 1584(1968-1979) Contents: (1)SH-133 (1)SH-134 (1)SH-135(L)
		SH-704S	STD Case: 251, 284, 301, 251 Diesel, 267 Diesel, 301 Diesel, 336 Diesel Contents: (1)SH-704 (1)SH-706 (2)SH-705	SH-764S	STD Nis: 1189(1961-1966), 1299(1965-1969); NisTrk: 1299(1968-1972) Contents: (1)SH-764 (1)SH-765 (1)SH-766
		SH-705S	STD Case: 377, 377 Diesel, 401 Diesel, 451 Diesel, 504 Diesel Contents: (1)SH-704 (1)SH-706 (3)SH-705		

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Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
SH-767S	STD Nis: 1171(1971-1973), 1237(1980-1982), 1288(1973-1974), 1397(1975-1982), 1488(1979-1982); NisInd: 988(1965-1971) Contents: (1)SH-767 (1)SH-768 (1)SH-769 (1)SH-770 (1)SH-771	SH-876S	STD Chry: 350(1958-1958), 361(1958-1977), 383(1959-1971), 400(1972-1980), 413(1959-1977), 426(1963-1971), 440(1966-1980); ChryInd: 361, 383, 400, 413, 440; ChryMar: 361, 383, 400, 413, 426, 440; DodTrk: 361(1960-1977), 383(1967-1971), 400(1972- Contents: (1)SH-403 (1)SH-404 (1)SH-405 (1)SH-406 (1)SH-876	SH-1060S	STD ToyTrk: 3878(1969-1975), 3956(1988-1992), 4230(1975-1987) Contents: (1)SH-1060 (1)SH-1061 (1)SH-1062 (1)SH-1063
SH-772S	STD Nis: 1982(1968-1970); NisInd: 1982(1967-1992), 2164 Diesel(1963-1983); NisTrk: 2164 Diesel(1981-1983), 2488 Diesel(1983-1986) Contents: (1)SH-765 (1)SH-772 (1)SH-774	SH-905S	STD IsuTrk: 5393 Diesel(1972-1990), 5785 Diesel(1977-1990), 6130 Diesel(1980-1990) Contents: (1)SH-905 (5)SH-906	SH-1065S	STD Toy: 1897(1965-1970); ToyInd: 1994(1970-1986); ToyTrk: 1897(1965-1970), 1994(1970-1982) Contents: (1)SH-1065 (1)SH-759 (1)SH-760 (1)SH-762 (1)SH-763
SH-777S	STD Ford: 140(1974-1993); FordInd: 140(1977-1993); FordTrk: 121(1983-1988), 140(1977-1997), 153(1998-2001); MazTrk: 140(1994-1997), 153(1998-2001) Contents: (4)SH-777	SH-906S	STD IsuTrk: 2775 Diesel(1973-1976), 3595 Diesel(1973-1976) Contents: (1)SH-905 (3)SH-906	SH-1066S	STD FordTrk: 110(1972-1978), 122(1979-1982); Maz: 1586(1970-1977), 1796(1972-1973), 1970(1979-1982); MazTrk: 1586(1972-1976), 1796(1977-1978), 1970(1979-1984) Contents: (1)SH-1066 (2)SH-1067
SH-781S	STD,10 ChrisCft: 427; DearbMar: 390(1961-1971), 427(1961-1969); Ford: 330(1964-1978), 332(1958-1959), 352(1958-1967), 359(1974-1975), 360(1968-1976), 361(1958-1978), 389(1975-1978), 390(1961-1976), 391(1964-1978), 406(1962-1963), 410(1966-1967), 4 Contents: (1)SH-377 (1)SH-378 (1)SH-379 (1)SH-380 (1)SH-781	SH-907S	STD GMC Trk.: 2238 Diesel(1981-1982); IsuInd: 119 Diesel(1981-1982), 144 Diesel(1969-1985); IsuTrk: 2238 Diesel(1981-1982); ThermKing: 2207 Diesel(1969-1979) Contents: (1)SH-907 (1)SH-908 (1)SH-909	SH-1092S	STD FordTrk: 420 Diesel(1983-1987), 444 Diesel(1988-2003); MercMar: 444 Diesel; NavInt: 404(1975-1982), 446(1975-1981), 420 Diesel(1980-1988), 444 Diesel(1988-1995); PalMar: 404(1975-1982) Contents: (1)SH-1092 (4)SH-1093
SH-785S	STD Deere: 301, 341, 381 Diesel, 404 Diesel, 531 Diesel, 619 Diesel Contents: (4)SH-786	SH-951S	STD NisTrk: 3956(1960-1990) Contents: (1)SH-951 (1)SH-952 (1)SH-953 (1)SH-954	SH-1094S	STD Ford: 122(1971-1974), 1593(1970-1982), 1599(1978-1980), 1993(1970-1976); FordInd: 98(1978-1982) Contents: (1)SH-1094
SH-786S	STD Deere: 201, 227, 254 Diesel, 270 Diesel Contents: (3)SH-786	SH-952S	STD NavInt: 198 Diesel(1976-1979); NisInd: 3246 Diesel(1966-1979); NisMar: 3246 Diesel Contents: (1)SH-772 (1)SH-774 (2)SH-765	SH-1095S	STD Ford: 140(1974-1993); FordInd: 140(1977-1993); FordTrk: 121(1983-1988), 140(1977-1997); MazTrk: 140(1994-1997) Contents: (1)SH-1095 (1)SH-1096
SH-791S	STD ChryMar: 109, 122; Vol: 109(1961-1968), 121(1969-1975), 130(1976-1985); VolPen: 121(1969-1975) Contents: (1)SH-796 (1)SH-797 (1)SH-798	SH-978S	STD Toy: 1490(1964-1970); ToyInd: 1490(1964-1970) Contents: (1)SH-978 (1)SH-979 (1)SH-980	SH-1111S	STD,10 CommMar: 460; Ford: 370(1979-1991), 429(1968-1998), 460(1968-1998); FordInd: 370(1979-1991), 429(1979-1993), 460(1973-1993); FordMar: 429(1968-1973), 460(1968-1978); FordTrk: 370(1979-1991), 429(1970-1998), 460(1973-1998); HardMar: 460; Hol Contents: (5)SH-1111
SH-796S	STD Opel: 1698(1965-1971), 1897(1965-1971) Contents: (1)SH-813 (1)SH-814 (1)SH-816	SH-993S	STD Mack: 707, 672 Diesel, 707 Diesel; MilStd: 672 Diesel Contents: (1)SH-357 (1)SH-560 (5)SH-676	SH-1112S	STD Chry: 318(1979-2002), 360(1979-2002); ChryInd: 318; ChryMar: 318, 360; DodTrk: 318(1979-2003), 360(1979-2003); Jeep: 318(1993-1998), 360(1998-1998); StksMar: 318 Contents: (1)SH-1112 (1)SH-1113 (1)SH-1114 (1)SH-329 (1)SH-875
SH-874S	STD Chry: 170(1960-1969), 198(1970-1974), 225(1960-1978); ChryInd: 225(1961-1978); ChryMar: 170, 198, 225; DodTrk: 170(1963-1969), 198(1970-1971), 225(1961-1978); MasFer: 170, 225 Contents: (1)SH-403 (1)SH-424 (1)SH-425 (1)SH-874	SH-994S	STD IntInd: 312 Diesel, 360 Diesel, 414 Diesel, 466 Diesel; IntTrac: 312 Diesel, 360 Diesel, 414 Diesel, 436 Diesel, 466 Diesel; NavInt: 466 Diesel(1975-2000), 530 Diesel(1995-1999) Contents: (1)SH-994 (1)SH-995 (1)SH-996 (1)SH-997	SH-1114S	STD DodTrk: 239(1987-2002) Contents: (1)SH-1112 (1)SH-1114 (1)SH-329 (1)SH-875
SH-875S	STD Chry: 273(1964-1969), 277(1956-1957), 301(1956-1957), 303(1956-1956), 318(1957-1978), 326(1959-1959), 340(1968-1973), 360(1971-1978); ChryInd: 318; ChryMar: 273, 318, 340, 360; DodTrk: 273(1964-1968), 313(1958-1965), 318(1959-1978), 360(197 Contents: (1)SH-326 (1)SH-327 (1)SH-328 (1)SH-329 (1)SH-875	SH-1006S	STD FordTrac: 363 Diesel(1965-1990), 380 Diesel(1969-1990), 5638 Diesel(1965-1990), 5974 Diesel(1965-1990) Contents: (1)SH-1053 (5)SH-1052	SH-1115S	STD Chry: 225(1979-1983); ChryInd: 225(1979-1987); ChryMar: 225; DodTrk: 225(1979-1987) Contents: (1)SH-1115 (1)SH-1116 (1)SH-1117 (1)SH-425
		SH-1017S	STD FordTrac: 242 Diesel(1965-1969), 254 Diesel(1969-1990), 3759 Diesel(1965-1969) Contents: (1)SH-1053 (3)SH-1052	SH-1131S	STD MazInd: 1985(1971-1979) Contents: (1)SH-1131 (1)SH-1132 (1)SH-914
		SH-1026S	STD Vol: 141(1983-1984) Contents: (1)SH-1809 (1)SH-1810 (1)SH-1811	SH-1155S	STD DodTrk: 243 Diesel(1978-1979); MitsInd: 3988 Diesel(1970-1991) Contents: (1)SH-1155 (1)SH-936 (1)SH-937 (1)SH-938
		SH-1030S	STD,10 AMC: 151(1980-1983); ChrisCft: 181; GMC: 151(1977-1992), 2.0L(1977-1978), 2.5L(1986-1992), 2.7L(1984-1987), 3.0L(1983-1983), 3.3L(1984-1985); GMC Trk.: 151(1985-1993); GMCMar: 181; HardMar: 181; Jeep: 151(1980-1983); MarPow: 181; MercMar: 1 Contents: (3)SH-400		

NUMERICAL LISTING OF CLEVITE 77 CAMSHAFT BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
SH-1190S	STD GMC Trk.: 1817(1972-1975) Contents: (3)SH-1190	SH-1326S	STD Chry: 135(1981-1994), 153(1986-1995); DodTrk: 135(1982-1988), 153(1987-1995) Contents: (1)SH-1256 (1)SH-1326	SH-1360	STD GMC: 181(1982-1988), 196(1978-1979), 231(1978-1989), 252(1980-1984) Contents: (4)SH-1360
SH-1191S	STD Case: 188 Diesel, 207 Diesel Contents: (1)SH-1191 (1)SH-689 (3)SH-518	SH-1328S	STD Wauk: 220, 3560 Diesel Contents: (1)SH-1328 (2)SH-1329	SH-1360S	STD GMC: 300(1964-1967), 340(1966-1967) Contents: (1)SH-1360 (1)SH-363 (1)SH-364 (1)SH-365 (1)SH-506
SH-1193S	STD Opel: 1698(1971-1972), 1897(1971-1975) Contents: (1)SH-813 (1)SH-814 (1)SH-815 (1)SH-816	SH-1329S	STD Wauk: 330, 5340 Diesel Contents: (1)SH-1328 (3)SH-1329	SH-1361S	STD,10 GMC: 350(1968-1981), 400(1967-1969), 430(1967-1969), 455(1970-1976); GrayMar: 455(1970-1976); Jeep: 350(1968-1971) Contents: (1)SH-1360 (4)SH-1361
SH-1197S	STD Ford: 232(1982-1987); FordTrk: 232(1982-1983) Contents: (2)SH-1197 (2)SH-1198	SH-1349S	STD Checker: 267(1980-1980), 305(1978-1980), 307(1968-1969), 327(1965-1969), 350(1969-1979); ChrisCft: 302, 305, 307, 327, 350; FlagMar: 305, 307, 327, 350; GMC: 262(1975-1976), 265(1994-1996), 267(1979-1982), 283(1964-1967), 302(1967-1969), 30 Contents: (1)SH-1349 (2)SH-1350 (2)SH-1351	SH-1364S	STD GMC: 173(1980-1989), 189(1988-2003), 207(1993-2003); GMC Trk.: 173(1982-1993), 189(1990-1995), 207(1996-2003); IsuTrk: 2827(1989-1991), 3137(1991-1994); Jeep: 173(1984-1987) Contents: (1)SH-1362 (1)SH-1364 (2)SH-1363
SH-1208S	STD DetD: 500 Diesel Contents: (5)SH-1208	SH-1350S	STD,10 Checker: 229(1980-1980); ChrisCft: 262; GMC: 200(1978-1979), 229(1980-1984), 262(1985-1993); GMC Trk.: 200(1978-1979), 229(1980-1984), 262(1985-2003); HardMar: 262; IsuTrk: 262(1997-2000); MercMar: 229, 262; OMC: 229, 262; ThermElec: 262; W Contents: (1)SH-1349 (1)SH-1351 (2)SH-1350	SH-1365S	STD GMC: 112(1982-1982), 121(1983-1989), 134(1990-2002); GMC Trk.: 121(1983-1984), 134(1994-2003); IsuTrk: 134(1996-2000) Contents: (1)SH-1365 (2)SH-1363 (2)SH-1364
SH-1209S	STD Audi: 1471(1973-1974), 1588(1975-1980), 1715(1981-1984); Chry: 105(1978-1983); DodTrk: 105(1982-1983); VW: 1457(1978-1980), 1471(1974-1975), 1588(1976-1980), 1715(1981-1984), 1471 Diesel(1977-1980); VWTrk: 1588(1980-1980), 1715(1982-1982) Contents: (1)SH-1209 (1)SH-1210	SH-1351S	STD ChrisCft: 262; GMC: 262(1992-1993); GMC Trk.: 262(1992-2003); HardMar: 262; IsuTrk: 262(1997-2000); MercMar: 262; OMC: 262; ThermElec: 262; Workhorse: 262(2000-2003); Yam: 262 Contents: (1)SH-1350 (1)SH-1351 (2)SH-1349	SH-1366S	STD GMC Trk.: 379 Diesel(1982-1993), 395 Diesel(1992-2002); Hummer: 379 Diesel(1992-1993), 395 Diesel(1994-2002); Workhorse: 395 Diesel(2000-2002) Contents: (1)SH-1366 (1)SH-1367 (1)SH-1368 (1)SH-1369 (1)SH-1370
SH-1245S	STD Cat: 522 Diesel, 573 Diesel, 636 Diesel; FordTrk: 522 Diesel(1968-1975), 573 Diesel(1968-1975), 636 Diesel(1970-1976); MasFer: 573 Diesel, 636 Diesel Contents: (5)SH-1245	SH-1352S	STD Checker: 267(1980-1980), 283(1965-1967), 305(1978-1980), 307(1968-1969), 327(1965-1969), 350(1969-1979); ChrisCft: 283, 302, 305, 307, 327, 350; FlagMar: 283, 305, 307, 327, 350; GMC: 262(1975-1976), 265(1955-1996), 267(1979-1982), 283(1957) Contents: (5)SH-1352	SH-1371S	STD GMC: 252(1982-1988), 273(1988-1992), 300(1991-1995) Contents: (1)SH-1371 (1)SH-1372 (1)SH-1373 (1)SH-1374 (1)SH-1375
SH-1248S	STD ToyTrk: 2188 Diesel(1981-1983), 2446 Diesel(1984-1987) Contents: (1)SH-1248 (2)SH-1249	SH-1354S	STD BarrMar: 455(1968-1976); Berk: 350(1968-1976), 455(1968-1976); GMC: 260(1975-1976), 330(1964-1967), 350(1968-1976), 400(1965-1969), 425(1965-1967), 455(1968-1976); JacMar: 455(1968-1976); OldsMar: 350(1968-1976), 455(1968-1976); OscoMar: 45 Contents: (1)SH-1354 (1)SH-1355 (1)SH-1356 (1)SH-1357 (1)SH-1358	SH-1379S	STD Cummm: 1485 Diesel, 1710 Diesel Contents: (1)SH-1379
SH-1250S	STD Cummm: 1150 Diesel Contents: (7)SH-1250	SH-1355S	STD BarrMar: 403(1977-1979); Berk: 350(1977-1980); Checker: 350 Diesel(1980-1980); GMC: 260(1977-1982), 307(1980-1990), 350(1977-1980), 403(1977-1979), 260 Diesel(1979-1979), 350 Diesel(1978-1985); GMC Trk.: 350 Diesel(1978-1984); HardMar: 350 Contents: (1)SH-1355 (1)SH-1356 (1)SH-1357 (1)SH-1358 (1)SH-1359	SH-1382S	STD Cummm: 903 Diesel; FordTrac: 903 Diesel; MasFer: 903 Diesel Contents: (2)SH-1382 (3)SH-1383
SH-1251S	STD Ford: 140(1984-1994), 153(1986-1991) Contents: (1)SH-1251 (1)SH-1253 (2)SH-1252	SH-1356S	STD GMC: 260 Diesel(1982-1985); GMC Trk.: 260 Diesel(1982-1983) Contents: (1)SH-1355 (1)SH-1356 (1)SH-1357 (1)SH-1359	SH-1385S	STD,10 GMC: 181(1982-1985), 196(1978-1979), 231(1975-1985), 252(1980-1984); GMC Trk.: 231(1978-1984) Contents: (1)SH-1360 (3)SH-1361
SH-1254S	STD FordInd: 300(1985-1993); FordMar: 300; FordTrk: 300(1985-1996); OscoMar: 300 Contents: (2)SH-1254 (2)SH-567			SH-1386S	STD Ford: 159(1972-1973), 171(1974-1979), 2551(1970-1976) Contents: (1)SH-1386 (1)SH-1387 (1)SH-1388 (1)SH-1389
SH-1305S	STD GMC: 151(1985-1991) Contents: (3)SH-1305			SH-1390S	STD Ford: 2900(1988-1990); FordTrk: 171(1983-1986), 177(1986-1992) Contents: (1)SH-1390 (1)SH-1391 (1)SH-1392 (1)SH-1393
SH-1314	STD SupDie: 3575 Diesel, 4767 Diesel, 4948 Diesel, 6597 Diesel Contents: (1)SH-1314			SH-1394S	STD Alc: 555 Diesel; Cummm: 470 Diesel, 504 Diesel, 555 Diesel; FordTrac: 555 Diesel Contents: (2)SH-1394 (3)SH-1395
SH-1314W	STD SupDie: 3575 Diesel, 4767 Diesel, 4948 Diesel, 6597 Diesel Contents: (1)SH-1314W				
SH-1321S	STD Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001), 351(1977-1998) Contents: (1)SH-1321 (1)SH-1322 (1)SH-1323 (1)SH-1324 (1)SH-1325				

NUMERICAL LISTING OF CLEVITE 77 CAMSHAFT BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
SH-1395S	STD Cumm: 352 Diesel, 378 Diesel Contents: (2)SH-1394 (2)SH-1395	SH-1448	STD GMC: 181(1982-1988), 196(1978-1979), 231(1978-1989), 252(1980-1984) Contents: (4)SH-1448	SH-1485S	STD ToyTrk: 2977 Diesel(1988-1990), 3431 Diesel(1988-1990) Contents: (1)SH-1481 (1)SH-1482 (1)SH-1483 (1)SH-1484 (1)SH-1485
SH-1396S	STD ToyTrk: 1998(1984-1985), 2237(1986-1990) Contents: (1)SH-1396 (1)SH-1397 (1)SH-1398 (1)SH-1399 (1)SH-1400	SH-1448S	STD GMC: 181(1985-1988), 204(1989-1993), 231(1985-1995); GMC Trk.: 231(1992-1995) Contents: (2)SH-1361 (2)SH-1448	SH-1487	STD Cat: 1099 Diesel, 1649 Diesel Contents: (6)SH-1487
SH-1401S	STD Checker: 267(1980-1980), 283(1965-1967), 305(1978-1980), 307(1968-1969), 327(1965-1969), 350(1969-1979); ChrisCft: 283, 302, 305, 307, 327, 350; FlagMar: 283, 305, 307, 327, 350; GMC: 262(1975-1976), 265(1955-1996), 267(1979-1982), 283(1957) Contents: (5)SH-1401	SH-1450S	STD Mack: 707, 672 Diesel, 707 Diesel, 728 Diesel; MilStd: 672 Diesel Contents: (1)SH-1450 (6)SH-676	SH-1487S	STD Cat: 893 Diesel Contents: (1)SH-1488 (6)SH-1487
SH-1402	STD Case: 505 Diesel; Cumm: 309 Diesel, 505 Diesel Contents: (7)SH-1402	SH-1453S	STD Daih: 843(1982-1990), 993(1977-1992) Contents: (1)SH-1452 (1)SH-1453	SH-1488	STD Cat: 1099 Diesel, 1649 Diesel Contents: (1)SH-1488
SH-1403-SEMI	SEMI Chry: 153(1986-1995); DodTrk: 153(1987-1995) Contents: (1)SH-1403	SH-1455S	STD Daih: 2765(1989-1993) Contents: (1)SH-1454 (1)SH-1455 (1)SH-1456	SH-1526S	STD Ford: 232(1988-2004), 238(2004-2004); FordTrk: 232(1995-2003), 238(2004-2004), 256(1997-2005) Contents: (2)SH-1526
SH-1404	STD Case: 180 Diesel, 239 Diesel, 359 Diesel; Cumm: 180 Diesel, 239 Diesel, 359 Diesel; DodTrk: 359 Diesel(1989-1997) Contents: (1)SH-1404	SH-1457S	STD GMC Trk.: 137 Diesel(1984-1985); Isulnd: 119 Diesel(1983-1984); IsuTrk: 2238 Diesel(1983-1987) Contents: (1)SH-1457 (1)SH-1458 (1)SH-1459	SH-1528S	STD GMC: 262(1975-1976), 267(1979-1982), 283(1964-1967), 302(1967-1969), 305(1976-1998), 307(1968-1973), 327(1964-1969), 350(1967-1998), 400(1970-1980) Contents: (5)SH-1528
SH-1405S	STD Chry: 201(1990-1997), 230(1991-1993); DodTrk: 201(1990-2002), 230(1994-2002); Eagle: 201(1993-1997) Contents: (1)SH-1405 (1)SH-1406 (1)SH-1407 (1)SH-1408	SH-1462S	STD GMC: 111 Diesel(1981-1986); Isu: 1817 Diesel(1981-1984) Contents: (5)SH-1462	SH-1529S	STD Cumm: 855, 743 Diesel, 855 Diesel Contents: (1)SH-1377 (2)SH-1378 (4)SH-1529
SH-1429S	STD, 25mm Chry: 122(1974-1979), 156(1978-1989); DodTrk: 122(1979-1982), 156(1979-1989); MazTrk: 2555(1987-1988); Mits: 2555(1983-1989); MitsTrk: 2555(1983-1989) Contents: (1)SH-1429 (1)SH-1760	SH-1463S	STD IsuTrk: 2499 Diesel(1985-1990), 2771 Diesel(1985-1990) Contents: (1)SH-1463 (2)SH-1464	SH-1761	STD Cat: 2115 Diesel, 3173 Diesel, 3948 Diesel Contents: (1)SH-1761
SH-1430S	STD ToyTrk: 2977 Diesel(1972-1984), 3168 Diesel(1977-1982), 3431 Diesel(1980-1984) Contents: (1)SH-1108 (1)SH-1109 (1)SH-1430	SH-1465S	STD Chry: 98(1971-1990); Eagle: 98(1989-1990); Hyun: 1595(1992-1995), 1597(1985-1988); HyunTrk: 1597(1985-1990); Mits: 1595(1989-1992), 1597(1985-1988) Contents: (1)SH-1465 (1)SH-1466	SH-1762S	STD Cat: 318 Diesel Contents: (1)SH-1762 (2)SH-1245
SH-1431S	STD IsuTrk: 2775 Diesel(1977-1990), 3268 Diesel(1979-1984), 3595 Diesel(1977-1990), 3856 Diesel(1985-1999) Contents: (1)SH-905 (2)SH-906	SH-1467S	STD Chry: 122(1984-1985); DodTrk: 122(1983-1985); Hyun: 1997(1985-1985); Mits: 1794(1983-1988), 1997(1984-1985), 2351(1985-1985); MitsTrk: 1997(1983-1985) Contents: (1)SH-1467 (1)SH-1468	SH-1763S	STD Ford: 302(1968-2001), 351(1970-1974) Contents: (5)SH-1763
SH-1432S	STD NavInt: 198 Diesel(1979-1980); NisInd: 3246 Diesel(1979-1990); NisMar: 3246 Diesel Contents: (1)SH-1432 (1)SH-1433 (1)SH-1434 (1)SH-1435	SH-1469S	STD Chry: 122(1985-1994), 144(1992-1994); DodTrk: 122(1985-1989), 144(1990-1993); Eagle: 122(1989-1998), 144(1992-1996); Hyun: 1997(1985-1998), 2351(1989-1991); Mits: 1997(1985-1998), 2351(1985-1998); MitsTrk: 1997(1985-1989), 2351(1987-1999) Contents: (1)SH-1467 (1)SH-1468 (1)SH-1469	SH-1766S	STD CommMar: 460; Ford: 370(1979-1991), 429(1968-1998), 460(1968-1998); FordInd: 370(1979-1991), 429(1979-1993), 460(1973-1993); FordMar: 429(1968-1973), 460(1968-1978); FordTrk: 370(1979-1991), 429(1970-1998), 460(1973-1998); HardMar: 460; Hol Contents: (5)SH-1766
SH-1441S	STD FordTrk: 244(1990-2000); MazTrk: 4016(1991-2000) Contents: (1)SH-1441 (1)SH-1442 (1)SH-1443 (1)SH-1444	SH-1470S	STD NisInd: 2289 Diesel(1986-1990), 2663 Diesel(1986-1990) Contents: (1)SH-1470 (1)SH-1471 (1)SH-1472 (1)SH-1473 (1)SH-1474	SH-1768S	STD UD Truck: 6925 Diesel(1980-1998) Contents: (1)SH-1768 (1)SH-1769 (1)SH-1770 (1)SH-1771
SH-1447S	STD Ford: 232(1988-2004), 238(2004-2004); FordTrk: 232(1995-2003), 238(2004-2004), 256(1997-2005) Contents: (2)SH-1446 (2)SH-1447	SH-1475S	STD Jag: 2483(1955-1967), 3442(1948-1967), 3781(1958-1967), 4235(1964-1987) Contents: (4)SH-1475	SH-1772S	STD GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998), 400(1970-1980) Contents: (1)SH-1351 (4)SH-400
		SH-1481S	STD ToyTrk: 2977 Diesel(1986-1988), 3431 Diesel(1986-1988) Contents: (1)SH-1478 (1)SH-1479 (1)SH-1480 (1)SH-1481 (1)SH-1482	SH-1773S	STD Cumm: 611 Diesel, 661 Diesel Contents: (7)SH-1773
				SH-1780S	STD GMC: 207(1991-1997) Contents: (1)SH-1364 (1)SH-1780 (2)SH-1363

NUMERICAL LISTING OF CLEVITE 77 CAMSHAFT BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
SH-1789S	STD Ford: 183(1986-2003); FordTrk: 183(1986-2003); MazTrk: 183(1994-2003) Contents: (1)SH-1334 (1)SH-1789 (2)SH-1335	SH-1814S	STD GMC: 294(1999-2003), 325(1999-2003), 346(1997-2003), 365(1999-2003); GMC Trk.: 294(1999-2003), 325(1999-2003), 365(1999-2003); Hummer: 365(2003-2003) Contents: (1)SH-1816 (2)SH-1814 (2)SH-1815	SH-1986	STD DetD: 677, 677 Diesel, 778 Diesel Contents:
SH-1793S	STD MazTrk: 2606(1989-1994) Contents: (1)SH-1793 (1)SH-1794 (1)SH-1795	SH-1817S	STD GMC: 138(1995-1995), 146(1996-2002); GMC Trk.: 138(1995-1996) Contents: (5)SH-1817	SH-1990S	STD Chry: 345(2005-2005); DodTrk: 345(2003-2005); Jeep: 345(2005-2005) Contents: (1)SH-1990 (1)SH-1991 (1)SH-1992 (1)SH-1993 (1)SH-1994
SH-1796S	STD GMC: 262(1975-1976), 267(1979-1982), 283(1964-1967), 302(1967-1969), 305(1976-1998), 307(1968-1973), 327(1964-1969), 350(1967-1998), 400(1970-1980) Contents: (5)SH-1351	SH-1818S	STD DodTrk: 488(1994-2003) Contents: (1)SH-1818 (1)SH-1819 (1)SH-1820 (1)SH-1821 (1)SH-1822 (1)SH-1823	SH-1995S	STD GMC: 294(2003-2004), 325(2003-2004), 346(2003-2004), 365(2003-2004); GMC Trk.: 294(2003-2004), 325(2003-2004), 365(2003-2004); Hummer: 365(2003-2004); IsuTrk: 325(2003-2004), 365(2004-2004); Workhorse: 294(2004-2004), 365(2004-2004) Contents: (1)SH-1816 (2)SH-1814 (2)SH-1995
SH-1797S	STD GMC: 283(1957-1963), 302(1967-1967), 327(1962-1963) Contents: (5)SH-287	SH-1977S	STD FordTrk: 244(1997-2003); MazTrk: 4016(2001-2001) Contents: (1)SH-1977 (1)SH-1978	SH-1996S	STD FordTrk: 363 Diesel(2003-2004) Contents: (5)SH-1996
SH-1798S	STD GMC: 231(1995-2003); GMC Trk.: 262(1992-2003); IsuTrk: 262(1997-2000); Workhorse: 262(2000-2003) Contents: (1)SH-1798	SH-1979	STD Cat: 893 Diesel Contents: (1)SH-1979	SH-1997S	STD DodTrk: 226(2002-2005); Jeep: 226(2002-2005) Contents: (1)SH-1997 (1)SH-1998
SH-1808S	STD GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998), 400(1970-1980) Contents: (5)SH-1808	SH-1980S	STD AMC: 150(1983-1986), 199(1965-1970), 232(1964-1979), 258(1971-1988); DodTrk: 150(1996-2002); Eagle: 150(1988-1989); GrayMar: 258(1971-1980); Jeep: 150(1983-2002), 232(1965-1978), 242(1987-2001), 258(1971-1990); NavInt: 232(1969-1972), 258(1 Contents: (1)SH-1980 (1)SH-550 (1)SH-551 (1)SH-552	SH-1999S	STD GMC Trk.: 403 Diesel(2001-2004); Workhorse: 403 Diesel(2004-2004) Contents: (1)SH-1999 (4)SH-2006
SH-1812S	STD GMC: 231(1995-2004) Contents: (2)SH-1812 (2)SH-1813	SH-1982S	STD ToyInd: 2771 Contents: (1)SH-1982 (1)SH-1983 (1)SH-1984 (1)SH-1985	SH-2002S	STD GMC: 134(2002-2005); Sat: 134(2003-2003); Saturn Truck: 134(2002-2003) Contents: (1)SH-2002

NUMERICAL LISTING OF CLEVITE 77 INDIVIDUAL CAMSHAFT BEARINGS					
Part No.	Undersizes	Contained In	Part No.	Undersizes	Contained In
SH-21	STD Ford: 239(1939-1953)	SH-21S	SH-191	STD Clark: 209	SH-190S SH-191S SH-683S
SH-22	STD Ford: 239(1939-1953)	SH-21S	SH-197	STD Clark: 320	SH-198S
SH-23	STD Chry: 218(1934-1954)	SH-23S SH-37S	SH-198	STD Clark: 320	SH-198S SH-561S SH-562S
SH-24	STD Chry: 218(1934-1954)	SH-23S	SH-209	STD,10 GMC: 216(1937-1952)	SH-209S
SH-25	STD Chry: 218(1934-1954)	SH-23S	SH-220	STD Intlnd: 220	SH-220S SH-493S SH-538S SH-558S
SH-33	STD,10 GMC: 216(1937-1952)	SH-209S	SH-221	STD Intlnd: 372	SH-493S
SH-34	STD,10 GMC: 216(1937-1952)	SH-209S	SH-222	STD Intlnd: 372	SH-493S SH-538S
SH-35	STD,10 GMC: 216(1937-1952)	SH-209S	SH-224	STD Intlnd: 220	SH-220S
SH-37	STD Chry: 218(1938-1954)	SH-37S	SH-249	STD Ford: 215(1952-1953)	SH-534S
SH-38	STD Chry: 218(1938-1954)	SH-37S	SH-250	STD Fordlnd: 332(1956-1963); FordTrk: 302(1956-1963)	SH-343S SH-344S
SH-56	STD Case: 124	SH-190S SH-191S SH-56S	SH-263	STD GMC: 235(1954-1962); GMCTrk.: 235(1954-1962)	SH-383S
SH-57	STD Case: 124	SH-190S SH-191S SH-56S	SH-264	STD GMC: 235(1954-1962); GMCTrk.: 235(1954-1962)	SH-383S
SH-69	STD IntTrac: 233; Jeep: 134(1939-1973); KaisFraz: 134(1951-1953); MilStd: 134; NavInt: 175(1937-1947)	SH-69S	SH-265	STD GMC: 235(1954-1962); GMCTrk.: 235(1954-1962)	SH-383S
SH-116	STD Intlnd: 248	SH-116S	SH-277	STD GMC: 331(1949-1955)	SH-277S
SH-117	STD Intlnd: 248	SH-116S	SH-278	STD GMC: 331(1949-1955)	SH-277S
SH-118	STD Intlnd: 248	SH-116S	SH-285	STD,10 DearbMar: 256(1954-1954)	SH-559S
SH-128	STD Ford: 122(1971-1974)	SH-733S	SH-287	STD,10 ChrisCft: 283; FlagMar: 283	SH-1797S SH-287S SH-290S
SH-129	STD Ford: 122(1971-1974)	SH-733S	SH-288	STD,10 ChrisCft: 283; FlagMar: 283	SH-287S SH-290S
SH-130	STD Ford: 122(1971-1974)	SH-733S	SH-289	STD ChrisCft: 283; FlagMar: 283	SH-287S
SH-133	STD VW: 1192(1965-1965)	SH-735S			
SH-134	STD VW: 1192(1965-1965)	SH-735S			
SH-135(L)	STD VW: 1192(1965-1965)	SH-735S			
SH-142	STD MilStd: 779	SH-142S			

NUMERICAL LISTING OF CLEVITE 77 INDIVIDUAL CAMSHAFT BEARINGS

Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
SH-290	STD,10 ChrisCft: 283; FlagMar: 283	SH-287S SH-290S	SH-361	STD GMC: 364(1957-1961)	SH-361S
SH-291	STD GMC: 195(1961-1962)	SH-291S	SH-363	STD GMC: 364(1957-1961)	SH-1360S SH-361S SH-506S
SH-292	STD GMC: 195(1961-1962)	SH-291S SH-292S	SH-364	STD GMC: 364(1957-1961)	SH-1360S SH-361S SH-506S
SH-313	STD Chry: 301(1955-1955)	SH-313S	SH-365	STD GMC: 364(1957-1961)	SH-1360S SH-361S SH-506S
SH-314	STD Chry: 301(1955-1955)	SH-313S	SH-369	STD FordInd: 401(1958-1976)	SH-369S
SH-315	STD Chry: 301(1955-1955)	SH-313S	SH-370	STD FordInd: 401(1958-1976)	SH-369S
SH-317	STD Cont: 120	SH-683S	SH-377	STD,10 ChrisCft: 427; DearbMar: 390(1961-1971)	SH-781S
SH-318	STD Cummm: 743	SH-568S	SH-378	STD,10 ChrisCft: 427; DearbMar: 390(1961-1971)	SH-781S
SH-322	STD Alc: 237; ChrisCft: 230	SH-322S	SH-379	STD,10 ChrisCft: 427; DearbMar: 390(1961-1971)	SH-781S
SH-323	STD Alc: 237; ChrisCft: 230	SH-322S	SH-380	STD,10 ChrisCft: 427; DearbMar: 390(1961-1971)	SH-781S
SH-326	STD Chry: 273(1964-1969)	SH-875S	SH-383	STD GMC: 235(1954-1962); GMCTrk.: 235(1954-1962)	SH-383S
SH-327	STD Chry: 273(1964-1969)	SH-875S	SH-384	STD Alc: 116	SH-384S
SH-328	STD Chry: 273(1964-1969)	SH-875S	SH-385	STD Alc: 201	SH-385S
SH-329	STD Chry: 273(1964-1969)	SH-1112S SH-1114S SH-875S	SH-386	STD Alc: 153	SH-386S
SH-330	STD Coshttt: 194	SH-330S SH-614S	SH-387	STD Alc: 153	SH-386S
SH-343	STD FordInd: 332(1956-1963); FordTrk: 302(1956-1963)	SH-343S	SH-388	STD Alc: 153	SH-386S
SH-344	STD FordInd: 332(1956-1963); FordTrk: 302(1956-1963)	SH-343S SH-344S	SH-398	STD GMC: 348(1958-1961)	SH-398S
SH-351	STD IntInd: 401	SH-681S	SH-399	STD,10 GMC: 348(1958-1961)	SH-398S SH-399S SH-400S
SH-352	STD IntInd: 401	SH-681S	SH-400	STD,10 GMC: 348(1958-1961)	SH-1030S SH-1772S SH-398S SH-399S SH-400S SH-718S
SH-354	STD IntInd: 152	SH-354S	SH-401	STD GMC: 348(1958-1961)	SH-398S
SH-355	STD IntInd: 152	SH-354S			
SH-356	STD IntInd: 152	SH-354S			
SH-357	STD Mack: 707	SH-693S SH-993S			

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
SH-403	STD Chry: 170(1960-1969)	SH-874S SH-876S	SH-481	STD AMC: 1489(1958-1961); Austin: 1489(1956-1961)	SH-481S
SH-404	STD Chry: 350(1958-1958)	SH-876S	SH-482	STD AMC: 1489(1958-1961); Austin: 1489(1956-1961)	SH-481S
SH-405	STD Chry: 350(1958-1958)	SH-876S	SH-483	STD AMC: 1489(1958-1961); Austin: 1489(1956-1961)	SH-481S
SH-406	STD Chry: 350(1958-1958)	SH-876S	SH-493	STD IntInd: 220	SH-220S SH-493S SH-558S
SH-412	STD DearbMar: 144(1960-1964)	SH-703S	SH-500	STD Deere: 115	SH-500S SH-501S
SH-413	STD DearbMar: 144(1960-1964)	SH-703S	SH-501	STD Deere: 115	SH-500S SH-501S
SH-414	STD DearbMar: 144(1960-1964)	SH-703S	SH-502	STD Case: 106	SH-502S
SH-424	STD Chry: 170(1960-1969)	SH-874S	SH-503	STD Case: 106	SH-502S
SH-425	STD Chry: 170(1960-1969)	SH-1115S SH-874S	SH-504	STD Case: 106	SH-502S
SH-426	STD IntInd: 345; NavInt: 152(1961-1968)	SH-426S	SH-506	STD GMC: 364(1957-1961)	SH-1360S SH-361S SH-506S
SH-427	STD IntInd: 345; NavInt: 152(1961-1968)	SH-426S	SH-507	STD IntTrac: 144Diesel	SH-507S
SH-428	STD IntInd: 345; NavInt: 152(1961-1968)	SH-426S	SH-508	STD IntTrac: 144Diesel	SH-507S
SH-429	STD IntInd: 345; NavInt: 152(1961-1968)	SH-426S	SH-509	STD IntTrac: 144Diesel	SH-507S
SH-430	STD IntInd: 345; NavInt: 152(1961-1968)	SH-426S	SH-510	STD,10 CommMar: 302	SH-510S
SH-439	STD Wauk: 1013	SH-439S	SH-511	STD,10 CommMar: 302	SH-510S SH-710S
SH-440	STD Wauk: 1013	SH-439S	SH-512	STD,10 CommMar: 302	SH-510S SH-710S
SH-441	STD Wauk: 1013	SH-439S	SH-513	STD,10 CommMar: 302	SH-510S SH-710S
SH-455	STD IntInd: 220	SH-220S SH-558S	SH-514	STD,10 CommMar: 302	SH-510S SH-710S
SH-468	STD Alc: 213Diesel	SH-468	SH-518	STD Case: 188	SH-1191S SH-690S
SH-470	STD AMC: 196(1961-1965)	SH-529S	SH-525	STD Alc: 213Diesel	SH-525
SH-471	STD AMC: 196(1961-1965)	SH-529S	SH-527	STD Alc: 142Diesel; DetD: 142Diesel	SH-527S
SH-472	STD AMC: 196(1961-1965)	SH-529S			
SH-476R	STD,20 Alc: 213Diesel	SH-476RS			
SH-477W	STD Alc: 213Diesel	SH-477WS			

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Part No. Application	Undersizes Contained In	Part No. Application	Undersizes Contained In
SH-529 STD AMC: 196(1961-1965)	SH-529S	SH-591 STD Ford: 1498(1963-1970)	SH-590S
SH-530 STD GMC: 368(1980-1984)	SH-530S	SH-592 STD Ford: 1498(1963-1970)	SH-590S
SH-531 STD Deere: 113	SH-531S	SH-615 STD FlagMar: 427; GMC: 366(1966-1966)	SH-615S SH-616S
SH-532 STD Deere: 113	SH-531S	SH-616 STD FlagMar: 427; GMC: 366(1966-1966)	SH-615S SH-616S
SH-533 STD Ford: 223(1963-1964); FordInd: 223(1963-1964)	SH-533S SH-534S	SH-617 STD FlagMar: 427; GMC: 366(1966-1966)	SH-615S SH-616S SH-617S
SH-538 STD IntInd: 361Diesel	SH-538S	SH-618 STD FlagMar: 427; GMC: 366(1966-1966)	SH-615S
SH-539 STD IntInd: 361Diesel	SH-538S	SH-628 STD Alc: 426Diesel; Alc: 265	SH-628S SH-629S SH-719S
SH-543 STD IntInd: 573Diesel; IntTrac: 573Diesel	SH-543S	SH-629 STD Alc: 426Diesel; Alc: 265	SH-628S SH-629S SH-719S
SH-549 AMC: 150(1983-1986)	SH-549S	SH-643 STD ChrisCft: 427; DearbMar: 427; Ford: 427(1966-1968); FordMar: 427	SH-643S
SH-550 AMC: 150(1983-1986)	SH-1980S SH-549S	SH-644 STD ChrisCft: 427; DearbMar: 427; Ford: 427(1966-1968); FordMar: 427	SH-643S
SH-551 AMC: 150(1983-1986)	SH-1980S SH-549S	SH-645 STD ChrisCft: 427; DearbMar: 427; Ford: 427(1966-1968); FordMar: 427	SH-643S
SH-552 AMC: 150(1983-1986)	SH-1980S SH-549S	SH-646 STD ChrisCft: 427; DearbMar: 427; Ford: 427(1966-1968); FordMar: 427	SH-643S
SH-559 STD,10 DearbMar: 256(1954-1954)	SH-559S	SH-652 STD FordInd: 401Diesel; FordTrac: 158(1965-1968)	SH-652
SH-560 STD Mack: 707	SH-676S SH-693S SH-993S	SH-671 STD AMC: 290(1966-1969)	SH-671S
SH-561 STD Herc: 130	SH-561S SH-562S	SH-672 STD AMC: 290(1966-1969)	SH-671S
SH-563 STD Mack: 672	SH-563S	SH-673 STD AMC: 290(1966-1969)	SH-671S
SH-564 STD Mack: 672	SH-563S	SH-674 STD AMC: 290(1966-1969)	SH-671S
SH-565W STD Mack: 672	SH-565WS	SH-675 STD AMC: 290(1966-1969)	SH-671S
SH-566W STD Mack: 672	SH-565WS SH-566WS	SH-676 STD Mack: 707	SH-1450S SH-676S SH-693S SH-993S
SH-567 STD,10 Ford: 240(1965-1972); FordInd: 240(1965-1974)	SH-1254S SH-567S	SH-681 STD IntInd: 401	SH-681S
SH-568 STD Cumm: 743	SH-568S		
SH-590 STD Ford: 1498(1963-1970)	SH-590S		

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
SH-682	STD		SH-725	STD	
IntInd: 401		SH-681S	Toy: 1588(1971-1979)		SH-725S
SH-686	STD		SH-726	STD	
DetD: 424Diesel; DetD: 106Diesel; Clark: 159Diesel; DetD: 159Diesel; FordTrk: 159Diesel(1973-1976); GMCTrk.: 159Diesel(1967-1968); MilStd: 159Diesel; Clark: 212Diesel; Coshtt: 212Diesel; DetD: 212Diesel; Oliver: 212Diesel; DetD: 318Diesel;		SH-686S SH-698S SH-699S SH-700S SH-701S	Toy: 1588(1971-1979)		SH-725S
SH-687	STD		SH-727	STD	
DetD: 424Diesel; DetD: 106Diesel; Clark: 159Diesel; DetD: 159Diesel; FordTrk: 159Diesel(1973-1976); GMCTrk.: 159Diesel(1967-1968); MilStd: 159Diesel; Clark: 212Diesel; Coshtt: 212Diesel; DetD: 212Diesel; Oliver: 212Diesel; DetD: 318Diesel;		SH-686S SH-698S SH-699S SH-700S SH-701S	Toy: 1588(1971-1979)		SH-725S
SH-688	STD		SH-728	STD	
DetD: 424Diesel; Clark: 212Diesel; Coshtt: 212Diesel; DetD: 212Diesel; Oliver: 212Diesel		SH-686S SH-700S	Toy: 1588(1971-1979)		SH-725S
SH-689	STD		SH-729	STD	
Case: 188		SH-1191S SH-690S	Toy: 1588(1971-1979)		SH-725S
SH-692	STD		SH-730(L)	STD	
Onan: 50		SH-692S	Toy: 1858(1969-1971)		SH-730S
SH-693	STD		SH-731	STD	
Mack: 707		SH-693S	Toy: 1858(1969-1971)		SH-730S
SH-703	STD		SH-732	STD	
DearbMar: 144(1960-1964)		SH-703S	MilStd: 142		SH-732S
SH-704	STD		SH-759	STD	
Case: 251		SH-704S SH-705S	Toy: 1897(1965-1970); ToyInd: 1994(1970-1986); ToyTrk: 1897(1965-1970)		SH-1065S
SH-705	STD		SH-760	STD	
Case: 251		SH-704S SH-705S	Toy: 1897(1965-1970); ToyInd: 1994(1970-1986); ToyTrk: 1897(1965-1970)		SH-1065S
SH-706	STD		SH-762	STD	
Case: 251		SH-704S SH-705S	Toy: 1897(1965-1970); ToyInd: 1994(1970-1986); ToyTrk: 1897(1965-1970)		SH-1065S
SH-710	STD,10		SH-763	STD	
Ford: 351(1970-1982)		SH-710S	Toy: 1897(1965-1970); ToyInd: 1994(1970-1986); ToyTrk: 1897(1965-1970)		SH-1065S
SH-711	STD		SH-764	STD	
Ford: 98(1971-1973)		SH-711S	Nis: 1189(1961-1966)		SH-764S
SH-712	STD		SH-765	STD	
Ford: 98(1971-1973)		SH-711S	Nis: 1189(1961-1966)		SH-764S SH-772S SH-952S
SH-713	STD		SH-766	STD	
Ford: 98(1971-1973)		SH-711S	Nis: 1189(1961-1966)		SH-764S
SH-716	STD		SH-767	STD	
GMC: 122(1975-1976)		SH-716S	Nis: 1171(1971-1973)		SH-767S
SH-717	STD		SH-768	STD	
GMC: 122(1975-1976)		SH-716S	Nis: 1171(1971-1973)		SH-767S
SH-720	STD		SH-769	STD	
Toy: 1077(1968-1969)		SH-720S	Nis: 1171(1971-1973)		SH-767S
SH-721	STD		SH-770	STD	
Toy: 1077(1968-1969)		SH-720S	Nis: 1171(1971-1973)		SH-767S
SH-722	STD		SH-771	STD	
Toy: 1077(1968-1969)		SH-720S	Nis: 1171(1971-1973)		SH-767S
SH-723	STD		SH-772	STD	
Toy: 1077(1968-1969)		SH-720S	Nis: 1982(1968-1970); NisInd: 1982(1967-1992)		SH-772S SH-952S
			SH-774	STD	
			Nis: 1982(1968-1970); NisInd: 1982(1967-1992)		SH-772S SH-952S

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
SH-777	STD Ford: 140(1974-1993); FordInd: 140(1977-1993); FordTrk: 121(1983-1988)	SH-777S	SH-937	STD DodTrk: 243Diesel(1978-1979); MitsInd: 3988Diesel(1970-1991)	SH-1155S
SH-781	STD,10 ChrisCft: 427; DearbMar: 427; Ford: 427(1966-1968); FordMar: 427; DearbMar: 390(1961-1971)	SH-643S SH-781S	SH-938	STD DodTrk: 243Diesel(1978-1979); MitsInd: 3988Diesel(1970-1991)	SH-1155S
SH-786	STD Deere: 301	SH-785S SH-786S	SH-951	STD NisTrk: 3956(1960-1990)	SH-951S
SH-796	STD ChryMar: 109	SH-791S	SH-952	STD NisTrk: 3956(1960-1990)	SH-951S
SH-797	STD ChryMar: 109	SH-791S	SH-953	STD NisTrk: 3956(1960-1990)	SH-951S
SH-798	STD ChryMar: 109	SH-791S	SH-954	STD NisTrk: 3956(1960-1990)	SH-951S
SH-813	STD Opel: 1698(1965-1971)	SH-1193S SH-796S	SH-978	STD Toy: 1490(1964-1970); ToyInd: 1490(1964-1970)	SH-978S
SH-814	STD Opel: 1698(1965-1971)	SH-1193S SH-796S	SH-979	STD Toy: 1490(1964-1970); ToyInd: 1490(1964-1970)	SH-978S
SH-815	STD Opel: 1698(1971-1972)	SH-1193S	SH-980	STD Toy: 1490(1964-1970); ToyInd: 1490(1964-1970)	SH-978S
SH-816	STD Opel: 1698(1965-1971)	SH-1193S SH-796S	SH-994	STD IntInd: 312Diesel	SH-994S
SH-874	STD Chry: 170(1960-1969)	SH-874S	SH-995	STD IntInd: 312Diesel	SH-994S
SH-875	STD Chry: 273(1964-1969)	SH-1112S SH-1114S SH-875S	SH-996	STD IntInd: 312Diesel	SH-994S
SH-876	STD Chry: 350(1958-1958)	SH-876S	SH-997	STD IntInd: 312Diesel	SH-994S
SH-905	STD IsuTrk: 5393Diesel(1972-1990)	SH-1431S SH-905S SH-906S	SH-1001	STD Austin: 1098(1964-1978)	SH-85S
SH-906	STD IsuTrk: 5393Diesel(1972-1990)	SH-1431S SH-905S SH-906S	SH-1002	STD Austin: 1098(1964-1978)	SH-85S
SH-907	STD GMCTrk.: 2238Diesel(1981-1982); IsuInd: 119Diesel(1981-1982)	SH-907S	SH-1006	STD Austin: 1098(1964-1978)	SH-85S
SH-908	STD GMCTrk.: 2238Diesel(1981-1982); IsuInd: 119Diesel(1981-1982)	SH-907S	SH-1052	STD FordTrac: 363Diesel(1965-1990)	SH-1006S SH-1017S
SH-909	STD GMCTrk.: 2238Diesel(1981-1982); IsuInd: 119Diesel(1981-1982)	SH-907S	SH-1053	STD FordTrac: 363Diesel(1965-1990)	SH-1006S SH-1017S
SH-914	STD MazInd: 1985(1971-1979)	SH-1131S	SH-1060	STD ToyTrk: 3878(1969-1975)	SH-1060S
SH-936	STD DodTrk: 243Diesel(1978-1979); MitsInd: 3988Diesel(1970-1991)	SH-1155S	SH-1061	STD ToyTrk: 3878(1969-1975)	SH-1060S
			SH-1062	STD ToyTrk: 3878(1969-1975)	SH-1060S
			SH-1063	STD ToyTrk: 3878(1969-1975)	SH-1060S
			SH-1065	STD Toy: 1897(1965-1970); ToyInd: 1994(1970-1986); ToyTrk: 1897(1965-1970)	SH-1065S

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
SH-1066 STD FordTrk: 110(1972-1978)		SH-1066S	SH-1198 STD Ford: 232(1982-1987); FordTrk: 232(1982-1983)		SH-1197S
SH-1067 STD FordTrk: 110(1972-1978)		SH-1066S	SH-1208 STD DetD: 500Diesel		SH-1208S
SH-1092 STD FordTrk: 420Diesel(1983-1987)		SH-1092S	SH-1209 STD Audi: 1471(1973-1974)		SH-1209S
SH-1093 STD FordTrk: 420Diesel(1983-1987)		SH-1092S	SH-1210 STD Audi: 1471(1973-1974)		SH-1209S
SH-1094 STD Ford: 122(1971-1974)		SH-1094S	SH-1211 STD Case: 124		SH-190S SH-56S
SH-1095 STD Ford: 140(1974-1993); FordInd: 140(1977-1993); FordTrk: 121(1983-1988)		SH-1095S	SH-1245 STD Cat: 522Diesel		SH-1245S SH-1762S
SH-1096 STD Ford: 140(1974-1993); FordInd: 140(1977-1993); FordTrk: 121(1983-1988)		SH-1095S	SH-1248 STD ToyTrk: 2188Diesel(1981-1983)		SH-1248S
SH-1108 STD ToyTrk: 2977Diesel(1972-1984)		SH-1430S	SH-1249 STD ToyTrk: 2188Diesel(1981-1983)		SH-1248S
SH-1109 STD ToyTrk: 2977Diesel(1972-1984)		SH-1430S	SH-1250 STD Cumm: 1150Diesel		SH-1250S
SH-1111 STD,10 CommMar: 460; Ford: 370(1979-1991)		SH-1111S	SH-1251 STD Ford: 140(1984-1994)		SH-1251S
SH-1112 STD Chry: 318(1979-2002)		SH-1112S SH-1114S	SH-1252 STD Ford: 140(1984-1994)		SH-1251S
SH-1113 STD Chry: 318(1979-2002)		SH-1112S	SH-1253 STD Ford: 140(1984-1994)		SH-1251S
SH-1114 STD Chry: 318(1979-2002)		SH-1112S SH-1114S	SH-1254 STD FordInd: 300(1985-1993); FordMar: 300; FordTrk: 300(1985-1996); OscoMar: 300		SH-1254S
SH-1115 STD Chry: 225(1979-1983); ChryInd: 225(1979-1987); ChryMar: 225; DodTrk: 225(1979-1987)		SH-1115S	SH-1256 STD Chry: 135(1981-1994)		SH-1326S
SH-1116 STD Chry: 225(1979-1983); ChryInd: 225(1979-1987); ChryMar: 225; DodTrk: 225(1979-1987)		SH-1115S	SH-1305 STD GMC: 151(1985-1991)		SH-1305S
SH-1117 STD Chry: 225(1979-1983); ChryInd: 225(1979-1987); ChryMar: 225; DodTrk: 225(1979-1987)		SH-1115S	SH-1314 STD SupDie: 3575Diesel		SH-1314
SH-1131 STD MazInd: 1985(1971-1979)		SH-1131S	SH-1314W STD SupDie: 3575Diesel		SH-1314W
SH-1132 STD MazInd: 1985(1971-1979)		SH-1131S	SH-1321 STD Ford: 221(1962-1963)		SH-1321S
SH-1155 STD DodTrk: 243Diesel(1978-1979); MitsInd: 3988Diesel(1970-1991)		SH-1155S	SH-1322 STD Ford: 221(1962-1963)		SH-1321S
SH-1190 STD GMCTrk.: 1817(1972-1975)		SH-1190S	SH-1323 STD Ford: 221(1962-1963)		SH-1321S
SH-1191 STD Case: 188Diesel		SH-1191S	SH-1324 STD Ford: 221(1962-1963)		SH-1321S
SH-1197 STD Ford: 232(1982-1987); FordTrk: 232(1982-1983)		SH-1197S	SH-1325 STD Ford: 221(1962-1963)		SH-1321S
			SH-1326 STD Chry: 135(1981-1994)		SH-1326S

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
SH-1328 Wauk: 220	STD	SH-1328S SH-1329S	SH-1362 GMC: 173(1980-1989)	STD	SH-1364S
SH-1329 Wauk: 220	STD	SH-1328S SH-1329S	SH-1363 GMC: 173(1980-1989)	STD	SH-1364S SH-1365S SH-1780S
SH-1334 Ford: 183(1986-2003); FordTrk: 183(1986-2003); MazTrk: 183(1994-2003)	STD	SH-1789S	SH-1364 GMC: 173(1980-1989)	STD	SH-1364S SH-1365S SH-1780S
SH-1335 Ford: 183(1986-2003); FordTrk: 183(1986-2003); MazTrk: 183(1994-2003)	STD	SH-1789S	SH-1365 GMC: 112(1982-1982)	STD	SH-1365S
SH-1349 Checker: 267(1980-1980)	STD,10	SH-1349S SH-1350S SH-1351S	SH-1366 GMCTrk.: 379Diesel(1982-1993)	STD	SH-1366S
SH-1350 Checker: 267(1980-1980)	STD,10	SH-1349S SH-1350S SH-1351S	SH-1367 GMCTrk.: 379Diesel(1982-1993)	STD	SH-1366S
SH-1351 Checker: 267(1980-1980)	STD,10	SH-1349S SH-1350S SH-1351S SH-1772S SH-1796S	SH-1368 GMCTrk.: 379Diesel(1982-1993)	STD	SH-1366S
SH-1352 Checker: 267(1980-1980)	STD	SH-1352S	SH-1369 GMCTrk.: 379Diesel(1982-1993)	STD	SH-1366S
SH-1354 BarrMar: 455(1968-1976); Berk: 350(1968-1976)	STD	SH-1354S	SH-1370 GMCTrk.: 379Diesel(1982-1993)	STD	SH-1366S
SH-1355 BarrMar: 455(1968-1976); Berk: 350(1968-1976)	STD	SH-1354S SH-1355S SH-1356S	SH-1371 GMC: 252(1982-1988)	STD	SH-1371S
SH-1356 BarrMar: 455(1968-1976); Berk: 350(1968-1976)	STD	SH-1354S SH-1355S SH-1356S	SH-1372 GMC: 252(1982-1988)	STD	SH-1371S
SH-1357 BarrMar: 455(1968-1976); Berk: 350(1968-1976)	STD	SH-1354S SH-1355S SH-1356S	SH-1373 GMC: 252(1982-1988)	STD	SH-1371S
SH-1358 BarrMar: 455(1968-1976); Berk: 350(1968-1976)	STD	SH-1354S SH-1355S	SH-1374 GMC: 252(1982-1988)	STD	SH-1371S
SH-1359 BarrMar: 403(1977-1979); Berk: 350(1977-1980); Checker: 350Diesel(1980-1980); GMC: 260(1977-1982)	STD	SH-1355S SH-1356S	SH-1375 GMC: 252(1982-1988)	STD	SH-1371S
SH-1360 GMC: 181(1982-1988)	STD,10	SH-1360 SH-1360S SH-1361S SH-1385S	SH-1377 Cumm: 855	STD	SH-1529S
SH-1361 GMC: 350(1968-1981)	STD,10	SH-1361S SH-1385S SH-1448S	SH-1378 Cumm: 855	STD	SH-1529S
			SH-1379 Cumm: 1485Diesel	STD	SH-1379S
			SH-1382 Cumm: 903Diesel; FordTrac: 903Diesel; MasFer: 903Diesel	STD	SH-1382S
			SH-1383 Cumm: 903Diesel; FordTrac: 903Diesel; MasFer: 903Diesel	STD	SH-1382S
			SH-1386 Ford: 159(1972-1973)	STD	SH-1386S
			SH-1387 Ford: 159(1972-1973)	STD	SH-1386S
			SH-1388 Ford: 159(1972-1973)	STD	SH-1386S

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
SH-1389 STD Ford: 159(1972-1973)		SH-1386S	SH-1434 STD NavInt: 198Diesel(1979-1980); NisInd: 3246Diesel(1979-1990); NisMar: 3246Diesel		SH-1432S
SH-1390 STD Ford: 2900(1988-1990); FordTrk: 171(1983-1986)		SH-1390S	SH-1435 STD NavInt: 198Diesel(1979-1980); NisInd: 3246Diesel(1979-1990); NisMar: 3246Diesel		SH-1432S
SH-1391 STD Ford: 2900(1988-1990); FordTrk: 171(1983-1986)		SH-1390S	SH-1441 STD FordTrk: 244(1990-2000); MazTrk: 4016(1991-2000)		SH-1441S
SH-1392 STD Ford: 2900(1988-1990); FordTrk: 171(1983-1986)		SH-1390S	SH-1442 STD FordTrk: 244(1990-2000); MazTrk: 4016(1991-2000)		SH-1441S
SH-1393 STD Ford: 2900(1988-1990); FordTrk: 171(1983-1986)		SH-1390S	SH-1443 STD FordTrk: 244(1990-2000); MazTrk: 4016(1991-2000)		SH-1441S
SH-1394 STD Alc: 555Diesel; Cumm: 470Diesel		SH-1394S SH-1395S	SH-1444 STD FordTrk: 244(1990-2000); MazTrk: 4016(1991-2000)		SH-1441S
SH-1395 STD Alc: 555Diesel; Cumm: 470Diesel		SH-1394S SH-1395S	SH-1446 STD Ford: 232(1988-2004)		SH-1447S
SH-1396 STD ToyTrk: 1998(1984-1985)		SH-1396S	SH-1447 STD Ford: 232(1988-2004)		SH-1447S
SH-1397 STD ToyTrk: 1998(1984-1985)		SH-1396S	SH-1448 STD GMC: 181(1982-1988)		SH-1448 SH-1448S
SH-1398 STD ToyTrk: 1998(1984-1985)		SH-1396S	SH-1450 STD Mack: 707		SH-1450S
SH-1399 STD ToyTrk: 1998(1984-1985)		SH-1396S	SH-1452 STD Daih: 843(1982-1990)		SH-1453S
SH-1400 STD ToyTrk: 1998(1984-1985)		SH-1396S	SH-1453 STD Daih: 843(1982-1990)		SH-1453S
SH-1401 STD Checker: 267(1980-1980)		SH-1401S	SH-1454 STD Daih: 2765(1989-1993)		SH-1455S
SH-1402 STD Case: 505Diesel; Cumm: 309Diesel		SH-1402	SH-1455 STD Daih: 2765(1989-1993)		SH-1455S
SH-1403 Chry: 153(1986-1995); DodTrk: 153(1987-1995)		SH-1403-SEMI	SH-1456 STD Daih: 2765(1989-1993)		SH-1455S
SH-1404 STD Case: 180Diesel		SH-1404	SH-1457 STD GMCTrk.: 137Diesel(1984-1985); Isulnd: 119Diesel(1983-1984); IsuTrk: 2238Diesel(1983-1987)		SH-1457S
SH-1405 STD Chry: 201(1990-1997)		SH-1405S	SH-1458 STD GMCTrk.: 137Diesel(1984-1985); Isulnd: 119Diesel(1983-1984); IsuTrk: 2238Diesel(1983-1987)		SH-1457S
SH-1406 STD Chry: 201(1990-1997)		SH-1405S	SH-1459 STD GMCTrk.: 137Diesel(1984-1985); Isulnd: 119Diesel(1983-1984); IsuTrk: 2238Diesel(1983-1987)		SH-1457S
SH-1407 STD Chry: 201(1990-1997)		SH-1405S	SH-1462 STD GMC: 111Diesel(1981-1986); Isu: 1817Diesel(1981-1984)		SH-1462S
SH-1408 STD Chry: 201(1990-1997)		SH-1405S	SH-1463 STD IsuTrk: 2499Diesel(1985-1990)		SH-1463S
SH-1429 STD, 25mm Chry: 122(1974-1979)		SH-1429S	SH-1464 STD IsuTrk: 2499Diesel(1985-1990)		SH-1463S
SH-1430 STD ToyTrk: 2977Diesel(1972-1984)		SH-1430S	SH-1465 STD Chry: 98(1971-1990); Eagle: 98(1989-1990); Hyun: 1595(1992-1995)		SH-1465S
SH-1432 STD NavInt: 198Diesel(1979-1980); NisInd: 3246Diesel(1979-1990); NisMar: 3246Diesel		SH-1432S			
SH-1433 STD NavInt: 198Diesel(1979-1980); NisInd: 3246Diesel(1979-1990); NisMar: 3246Diesel		SH-1432S			

NUMERICAL LISTING OF CLEVITE 77 INDIVIDUAL CAMSHAFT BEARINGS

Part No. Application	Undersizes Contained In	Part No. Application	Undersizes Contained In
SH-1466 STD Chry: 98(1971-1990); Eagle: 98(1989-1990); Hyun: 1595(1992-1995)	SH-1465S	SH-1760 STD, .25mm Chry: 122(1974-1979)	SH-1429S
SH-1467 STD Chry: 122(1984-1985); DodTrk: 122(1983-1985); Hyun: 1997(1985-1985); Mits: 1794(1983-1988)	SH-1467S SH-1469S	SH-1761 STD Cat: 2115Diesel	SH-1761
SH-1468 STD Chry: 122(1984-1985); DodTrk: 122(1983-1985); Hyun: 1997(1985-1985); Mits: 1794(1983-1988)	SH-1467S SH-1469S	SH-1762 STD Cat: 318Diesel	SH-1762S
SH-1469 STD Chry: 122(1985-1994)	SH-1469S	SH-1763 STD Ford: 302(1968-2001)	SH-1763S
SH-1470 STD NisInd: 2289Diesel(1986-1990)	SH-1470S	SH-1766 STD CommMar: 460; Ford: 370(1979-1991)	SH-1766S
SH-1471 STD NisInd: 2289Diesel(1986-1990)	SH-1470S	SH-1768 STD UDTruck: 6925Diesel(1980-1998)	SH-1768S
SH-1472 STD NisInd: 2289Diesel(1986-1990)	SH-1470S	SH-1769 STD UDTruck: 6925Diesel(1980-1998)	SH-1768S
SH-1473 STD NisInd: 2289Diesel(1986-1990)	SH-1470S	SH-1770 STD UDTruck: 6925Diesel(1980-1998)	SH-1768S
SH-1474 STD NisInd: 2289Diesel(1986-1990)	SH-1470S	SH-1771 STD UDTruck: 6925Diesel(1980-1998)	SH-1768S
SH-1475 STD Jag: 2483(1955-1967)	SH-1475S	SH-1773 STD Cumm: 611Diesel	SH-1773S
SH-1478 STD ToyTrk: 2977Diesel(1986-1988)	SH-1481S	SH-1780 STD GMC: 207(1991-1997)	SH-1780S
SH-1479 STD ToyTrk: 2977Diesel(1986-1988)	SH-1481S	SH-1789 STD Ford: 183(1986-2003); FordTrk: 183(1986-2003); MazTrk: 183(1994-2003)	SH-1789S
SH-1480 STD ToyTrk: 2977Diesel(1986-1988)	SH-1481S	SH-1793 STD MazTrk: 2606(1989-1994)	SH-1793S
SH-1481 STD ToyTrk: 2977Diesel(1986-1988)	SH-1481S SH-1485S	SH-1794 STD MazTrk: 2606(1989-1994)	SH-1793S
SH-1482 STD ToyTrk: 2977Diesel(1986-1988)	SH-1481S SH-1485S	SH-1795 STD MazTrk: 2606(1989-1994)	SH-1793S
SH-1483 STD ToyTrk: 2977Diesel(1988-1990)	SH-1485S	SH-1798 STD GMC: 231(1995-2003); GMCTrk.: 262(1992-2003); IsuTrk: 262(1997-2000); Workhorse: 262(2000-2003)	SH-1798S
SH-1484 STD ToyTrk: 2977Diesel(1988-1990)	SH-1485S	SH-1808 STD GMC: 262(1975-1976)	SH-1808S
SH-1485 STD ToyTrk: 2977Diesel(1988-1990)	SH-1485S	SH-1809 STD Vol: 141(1983-1984)	SH-1026S
SH-1487 STD Cat: 1099Diesel	SH-1487 SH-1487S	SH-1810 STD Vol: 141(1983-1984)	SH-1026S
SH-1488 STD Cat: 893Diesel; Cat: 1099Diesel	SH-1487S SH-1488	SH-1811 STD Vol: 141(1983-1984)	SH-1026S
SH-1526 STD Ford: 232(1988-2004)	SH-1526S	SH-1812 STD GMC: 231(1995-2004)	SH-1812S
SH-1528 STD GMC: 262(1975-1976)	SH-1528S	SH-1813 STD GMC: 231(1995-2004)	SH-1812S
SH-1529 STD Cumm: 855	SH-1529S	SH-1814 STD GMC: 294(1999-2003)	SH-1814S SH-1995S
		SH-1815 STD GMC: 294(1999-2003)	SH-1814S

NUMERICAL LISTING OF CLEVITE 77 INDIVIDUAL CAMSHAFT BEARINGS					
Part No.	Undersizes	Contained In	Part No.	Undersizes	Contained In
Application			Application		
SH-1816	STD GMC: 294(1999-2003)	SH-1814S SH-1995S	SH-1992	STD Chry: 345(2005-2005); DodTrk: 345(2003-2005); Jeep: 345(2005-2005)	SH-1990S
SH-1817	STD GMC: 138(1995-1995)	SH-1817S	SH-1993	STD Chry: 345(2005-2005); DodTrk: 345(2003-2005); Jeep: 345(2005-2005)	SH-1990S
SH-1818	STD DodTrk: 488(1994-2003)	SH-1818S	SH-1994	STD Chry: 345(2005-2005); DodTrk: 345(2003-2005); Jeep: 345(2005-2005)	SH-1990S
SH-1819	STD DodTrk: 488(1994-2003)	SH-1818S	SH-1995	STD GMC: 294(2003-2004)	SH-1995S
SH-1820	STD DodTrk: 488(1994-2003)	SH-1818S	SH-1996	STD FordTrk: 363Diesel(2003-2004)	SH-1996S
SH-1821	STD DodTrk: 488(1994-2003)	SH-1818S	SH-1997	STD DodTrk: 226(2002-2005); Jeep: 226(2002-2005)	SH-1997S
SH-1822	STD DodTrk: 488(1994-2003)	SH-1818S	SH-1998	STD DodTrk: 226(2002-2005); Jeep: 226(2002-2005)	SH-1997S
SH-1823	STD DodTrk: 488(1994-2003)	SH-1818S	SH-1999	STD GMCTrk.: 403Diesel(2001-2004); Workhorse: 403Diesel(2004-2004)	SH-1999S
SH-1977	STD FordTrk: 244(1997-2003); MazTrk: 4016(2001-2001)	SH-1977S	SH-2002	STD GMC: 134(2002-2005); Sat: 134(2003-2003); SaturnTruck: 134(2002-2003)	SH-2002S
SH-1978	STD FordTrk: 244(1997-2003); MazTrk: 4016(2001-2001)	SH-1977S	SH-2006	STD GMCTrk.: 403Diesel(2001-2004); Workhorse: 403Diesel(2004-2004)	SH-1999S
SH-1979	STD Cat: 893Diesel	SH-1979	SH-362-10	STD Cont: 120	SH-683S
SH-1980	STD AMC: 150(1983-1986)	SH-1980S			
SH-1990	STD Chry: 345(2005-2005); DodTrk: 345(2003-2005); Jeep: 345(2005-2005)				
SH-1991	STD Chry: 345(2005-2005); DodTrk: 345(2003-2005); Jeep: 345(2005-2005)				

NUMERICAL LISTING OF CLEVITE 77 THRUST WASHER SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
TW-100S	STD Alfa: 1570(1972-1976), 1779(1969-1971), 1962(1972-1994) Contents: (1)MB-1731W(L) (1)MB-1731W(U)	TW-130S	STD Alc: 152 Diesel; Chry: 426(1963-1971); FordTrac: 152; ForsnTrac: 144 Diesel(1964-1974), 152 Diesel(1964-1964); Jeep: 192 Diesel(1968-1968); MasFer: 152, 144 Diesel, 152 Diesel, 192 Diesel, 203 Diesel, 288 Diesel, 305 Diesel; MinMol: 152 Die Contents: (1)MB-2292W(L) (1)MB-2292W(U)	TW-229S	STD MG: 1493(1975-1980); Tri: 1296(1970-1974), 1493(1973-1980), 1998(1966-1973), 2498(1968-1976) Contents: (1)MB-617W
TW-102S	STD Jag: 2483(1955-1967), 3442(1948-1967), 3781(1958-1967), 4235(1964-1987) Contents: (1)MB-3182W	TW-131S	STD MilStd: 779, 817; Wauk: 501, 638, 779, 817 Contents: (1)MB-2297W	TW-230S	STD NavInt: 198 Diesel(1976-1980); NisInd: 2164 Diesel(1963-1983), 2289 Diesel(1986-1990), 2663 Diesel(1986-1990), 3246 Diesel(1966-1990); NisMar: 3246 Diesel; NisTrk: 2164 Diesel(1981-1983), 2488 Diesel(1983-1986) Contents: (1)MB-648W(L) (1)MB-648W(U)
TW-105S	STD Nis: 1189(1961-1966), 1299(1965-1969); NisInd: 1138(1966-1978); NisTrk: 1299(1968-1972) Contents: (1)MB-1730WA (1)MB-1730WB	TW-134S	STD Alc: 779, 844 Diesel Contents: (1)MB-2314W	TW-231S	STD FordTrk: 110(1972-1978), 122(1979-1982); Maz: 1586(1970-1977), 1796(1972-1973), 1970(1979-1982); MazTrk: 1586(1972-1976), 1796(1977-1978), 1970(1979-1984) Contents: (1)MB-649W(L) (1)MB-649W(U)
TW-113S	STD Ford: 98(1971-1973), 1098(1968-1980), 1100(1971-1973), 1298(1968-1980), 1498(1963-1967), 1599(1967-1980); FordInd: 67(1973-1982), 98(1973-1982) Contents: (1)MB-2058W	TW-142S	STD Ren: 956(1963-1966), 1108(1964-1968) Contents: (1)MB-2349W	TW-236S	STD Fiat: 1585(1975-1976), 1592(1973-1974), 1756(1974-1978), 1995(1979-1982); Pininfarina: 1995(1983-1987) Contents: (1)MB-673W(L) (1)MB-673W(U)
TW-115S	STD MasFer: 107 Diesel; Perk: 99 Diesel, 107 Diesel, 108 Diesel Contents: (1)MB-2176W(L) (1)MB-2176W(U)	TW-143S	STD Clark: 69, 91, 112; Cont: 69, 91, 112; GrayMar: 69, 91, 112; MasFer: 91; Oliver: 112 Contents: (1)MB-1653W	TW-241S	STD Saab: 1709(1969-1971), 1854(1971-1972); Tri: 1998(1975-1981) Contents: (1)MB-689W
TW-116S	STD Tri: 1147(1961-1967), 1296(1967-1969) Contents: (1)MB-1730WA	TW-144S	STD Austin: 1798(1966-1978); MG: 1798(1963-1980) Contents: (1)MB-2058W (1)MB-2367W	TW-249S	STD Deutz: 2826 Diesel, 3768 Diesel, 4710 Diesel, 5652 Diesel Contents: (1)MB-198W(U) (1)MB-744W(L)
TW-119S	STD Alc: 152 Diesel; FordTrac: 152; ForsnTrac: 144 Diesel(1964-1974), 152 Diesel(1964-1964); Jeep: 192 Diesel(1968-1968); MasFer: 152, 135 Diesel, 144 Diesel, 152 Diesel, 192 Diesel, 203 Diesel, 288 Diesel, 305 Diesel; MinMol: 152 Diesel; Perk: Contents: (1)MB-2188W(L) (1)MB-2188W(U)	TW-151S	STD Peug: 2112 Diesel(1974-1976) Contents: (1)MB-2395W(L) (1)MB-2395W(U)	TW-252S	STD Cat: 425, 525, 638, 318 Diesel, 350 Diesel, 425 Diesel, 525 Diesel, 638 Diesel Contents: (1)MB-2580W
TW-120S	STD Chry: 426(1963-1971); FordInd: 220 Diesel(1962-1966), 330 Diesel(1962-1966); FordTrac: 242 Diesel(1965-1969), 254 Diesel(1969-1990), 363 Diesel(1965-1990), 380 Diesel(1969-1990), 3759 Diesel(1965-1969), 5638 Diesel(1965-1990), 5974 Diesel(1 Contents: (1)MB-1739W(L) (1)MB-1739W(U)	TW-164S	STD Ren: 1289(1976-1979), 1397(1980-1987), 1470(1966-1970), 1565(1969-1985), 1647(1973-1983) Contents: (1)MB-11W	TW-265S	STD IsuInd: 144 Diesel(1969-1985), 1991 Diesel(1969-1985); IsuTrk: 2771 Diesel(1985-1990); ThermKing: 1991 Diesel(1969-1979), 2207 Diesel(1969-1979) Contents: (1)MB-956W(U)
TW-121S	STD DodTrk: 354 Diesel(1966-1970); MasFer: 212 Diesel, 236 Diesel, 248 Diesel, 301 Diesel, 354 Diesel; MinMol: 354 Diesel; Oliver: 354 Diesel; Perk: 236, 212 Diesel, 236 Diesel, 248 Diesel, 270 Diesel, 301 Diesel, 354 Diesel, 372 Diesel; WhiFar Contents: (1)MB-2222W(L) (1)MB-2222W(U)	TW-177S	STD Bertone: 1498(1984-1989); Fiat: 1116(1971-1973), 1197(1966-1969), 1290(1972-1979), 1297(1975-1976), 1438(1968-1973), 1498(1979-1982), 1608(1971-1973); Yugo: 1116(1986-1989), 1301(1988-1992) Contents: (1)MB-2485W	TW-275S	STD Maz: 988(1967-1983), 1169(1971-1972); MazTrk: 1169(1968-1974) Contents: (1)MB-1044W(L) (1)MB-1044W(U)
TW-127S	STD Wauk: 1013, 1196 Contents: (1)MB-2178W	TW-206S	STD Chry: 97(1983-1986) Contents: (1)MB-70W(L) (1)MB-70W(U)	TW-281S	STD DodTrk: 243 Diesel(1978-1979); MitsInd: 2659 Diesel(1971-1991), 3988 Diesel(1970-1991) Contents: (1)MB-3115W
TW-128S	STD Alc: 152 Diesel; FordTrac: 152; ForsnTrac: 144 Diesel(1964-1974), 152 Diesel(1964-1964); Jeep: 192 Diesel(1968-1968); MasFer: 152, 135 Diesel, 144 Diesel, 152 Diesel, 192 Diesel, 203 Diesel, 288 Diesel, 305 Diesel; MinMol: 152 Diesel; Perk: Contents: (1)MB-2188W(U)	TW-218S	STD Ford: 122(1971-1974), 1593(1970-1982), 1993(1970-1976) Contents: (1)MB-409W(L) (1)MB-409W(U)	TW-304S	STD Alc: 426 Diesel Contents: (1)MB-2689W
		TW-224S	STD Toy: 1490(1964-1970); ToyInd: 1490(1964-1970) Contents: (1)MB-605W(L) (1)MB-605W(U)	TW-308S	STD Peug: 2664(1977-1978), 2849(1979-1991); Vol: 163(1976-1979), 174(1980-1986) Contents: (1)MB-2700W(L) (1)MB-2700W(U)
		TW-225S	STD Toy: 1077(1968-1969), 1166(1969-1979), 1290(1981-1984) Contents: (1)MB-610W(L) (1)MB-610W(U)	TW-312S	STD Saab: 1985(1972-1988) Contents: (1)MB-2708W
		TW-226S	STD Cat: 1964, 2946, 3928, 1964 Diesel, 2946 Diesel, 3928 Diesel Contents: (1)MB-2597W		
		TW-228S	STD Toy: 1897(1965-1970), 2253(1968-1972), 2563(1971-1980), 2759(1981-1988), 2954(1987-1992); ToyInd: 1994(1967-1970); ToyTrk: 1897(1965-1970), 1994(1967-1970) Contents: (1)MB-627W(L) (1)MB-627W(U)		

NUMERICAL LISTING OF CLEVITE 77 THRUST WASHER SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
TW-316S	STD DodTrk: 354 Diesel(1966-1970); MasFer: 212 Diesel, 236 Diesel, 248 Diesel, 318 Diesel, 354 Diesel; MinMol: 354 Diesel; Oliver: 354 Diesel; Perk: 236, 212 Diesel, 236 Diesel, 248 Diesel, 318 Diesel, 354 Diesel, 372 Diesel; StksMar: 354 Diesel	TW-365S	STD IsuTrk: 2775 Diesel(1973-1984), 3595 Diesel(1973-1984), 5393 Diesel(1972-1976)	TW-414S	STD IntInd: 372, 406, 450, 501; NavInt: 318(1944-1947), 361(1944-1949), 372(1949-1968), 401(1944-1949), 406(1949-1977), 450(1944-1974), 501(1953-1974)
Contents: (1)MB-2636W(L) (1)MB-2636W(U)		Contents: (1)MB-3113W(L) (1)MB-3113W(U)		Contents: (1)MB-1095W	
TW-325S	STD Ford: 171(1974-1979), 2551(1974-1976)	TW-368S	STD IsuTrk: 2775 Diesel(1985-1990), 3268 Diesel(1981-1984), 3595 Diesel(1985-1990), 3856 Diesel(1985-1999), 5393 Diesel(1977-1990), 5785 Diesel(1977-1990), 6130 Diesel(1980-1990)	TW-417S	STD Clark: 226; Cont: 209, 226, 244; Coshtt: 226; GrayMar: 226, 244; Jeep: 226(1947-1950); KaisFraz: 226(1947-1950); MasFer: 226, 244; MinMol: 226, 244; Oliver: 226, 244
Contents: (1)MB-2350W(L) (1)MB-2350W(U)		Contents: (1)MB-2851W(L) (1)MB-2851W(U)		Contents: (1)MB-1224FW	
TW-326S	STD Toy: 1858(1969-1971), 2189(1975-1980), 2366(1981-1984); ToyInd: 1994(1978-1986); ToyTrk: 1858(1969-1971), 1994(1978-1982), 2189(1975-1980), 2366(1981-1984)	TW-369S	STD Cumm: 743, 855, 448 Diesel, 464 Diesel, 495 Diesel, 672 Diesel, 743 Diesel, 855 Diesel, 927 Diesel	TW-418S	STD Clark: 226; Cont: 209, 226, 244; Coshtt: 226; GrayMar: 226, 244; Jeep: 226(1947-1950); KaisFraz: 226(1947-1950); MasFer: 226, 244; MinMol: 226, 244; Oliver: 226, 244
Contents: (1)MB-2746W(L) (1)MB-2746W(U)		Contents: (1)MB-2862W		Contents: (1)MB-1224RW	
TW-327S	STD Hon: 1169(1973-1973), 1237(1974-1979), 1335(1980-1983), 1342(1984-1987), 1488(1975-1987), 1493(1988-1995), 1598(1983-1990), 1599(1976-1979), 1602(1982-1983), 1751(1979-1983), 1829(1983-1987), 1955(1985-1989)	TW-370S	STD Maz: 1272(1978-1978), 1415(1979-1980), 1490(1981-1985); MazTrk: 1272(1978-1978)	TW-420S	STD Cont: 50, 56, 62; MasFer: 62
Contents: (1)MB-2753W(U)		Contents: (1)MB-2870W(L) (1)MB-2870W(U)		Contents: (1)MB-1309W	
TW-343S	STD Eagle: 132(1988-1989); Jeep: 126 Diesel(1985-1990); Peugeot: 2165(1985-1991); Ren: 2165(1984-1986)	TW-373S	STD AMC: 1965(1987-1987); Ren: 105(1985-1987), 1965(1987-1987)	TW-422S	STD Mack: 672, 707, 605 Diesel, 672 Diesel, 707 Diesel; MilStd: 672 Diesel
Contents: (1)MB-2779W		Contents: (1)MB-2946W		Contents: (1)MB-1373W	
TW-344S	STD Peug: 2304 Diesel(1981-1984), 2498 Diesel(1985-1987)	TW-400S	STD ToyTrk: 2188 Diesel(1981-1983), 2446 Diesel(1984-1987)	TW-424S	STD Case: 106, 124, 126, 140; Clark: 162, 209; Cont: 120, 124, 129, 140, 162, 170, 184, 186, 199, 202, 206, 209, 214, 218; Coshtt: 140; GrayMar: 140, 162; MasFer: 120, 124, 129, 140, 162; Oliver: 140, 162, 202, 209
Contents: (1)MB-2781W(L) (1)MB-2781W(U)		Contents: (1)MB-2926W(L) (1)MB-2926W(U)		Contents: (1)MB-1403W	
TW-347S	STD Deutz: 1884 Diesel, 2826 Diesel, 3768 Diesel, 4710 Diesel, 5652 Diesel	TW-401S	STD GMC: 98(1985-1997), 108(1993-1999); Toy: 1452(1980-1988), 1587(1983-1997), 1762(1993-1997); ToyTrk: 2694(1994-2001)	TW-446S	STD Onan: 50
Contents: (1)MB-2916W (1)MB-2917W		Contents: (1)MB-2965W(L) (1)MB-2965W(U)		Contents: (1)MB-2528W	
TW-349S	STD Vol: 141(1984-1987)	TW-402S	STD Clark: 568 Diesel; DetD: 426 Diesel(1979-1988), 552 Diesel(1979-1988), 568 Diesel, 736 Diesel(1979-1988), 852 Diesel(1980-1986), 1136 Diesel(1980-1988), 1472 Diesel(1980-1988); MasFer: 568 Diesel; MilStd: 568 Diesel	TW-448S	STD Alc: 555 Diesel; Cumm: 352 Diesel, 378 Diesel, 470 Diesel, 504 Diesel, 555 Diesel; FordTrac: 555 Diesel
Contents: (1)MB-3353W		Contents: (1)MB-2523W		Contents: (1)MB-2598W	
TW-352S	STD Maz: 1272(1976-1977); MazTrk: 1272(1976-1977)	TW-406S	STD MazTrk: 2977 Diesel(1977-1990), 3455 Diesel(1984-1990)	TW-449S	STD Cumm: 903 Diesel; FordTrac: 903 Diesel; MasFer: 903 Diesel
Contents: (1)MB-2762W(L) (1)MB-2762W(U)		Contents: (1)MB-3004W(L) (1)MB-3004W(U)		Contents: (1)MB-2621W	
TW-353S	STD Cat: 1191 Diesel, 1786 Diesel, 2382 Diesel	TW-409S	STD Cat: 425, 525, 638, 350 Diesel, 425 Diesel, 525 Diesel, 638 Diesel	TW-450S	STD Case: 336 Diesel, 504 Diesel
Contents: (1)MB-2795W		Contents: (1)MB-3057W		Contents: (1)MB-2804W	
TW-354S	STD Case: 251, 284, 301, 377, 251 Diesel, 267 Diesel, 301 Diesel, 336 Diesel, 377 Diesel, 401 Diesel, 451 Diesel	TW-411S	STD Alc: 142 Diesel, 213 Diesel, 284 Diesel, 426 Diesel; Buda: 344 Diesel, 516 Diesel; Deere: 426 Diesel; DetD: 142 Diesel, 213 Diesel, 284 Diesel, 318 Diesel, 424 Diesel, 426 Diesel; MasFer: 213 Diesel; MilStd: 318 Diesel, 426 Diesel; Oliver:	TW-451S	STD GMC: 111 Diesel(1981-1986); GMC Trk.: 119(1982-1985), 1817(1972-1982); HonTrk: 2559(1994-1996); Isu: 1817(1981-1985), 1949(1983-1987), 1994(1985-1989), 2254(1987-1989), 1817 Diesel(1981-1984); IsuTrk: 1817(1981-1982), 1949(1983-1987), 2254(
Contents: (1)MB-2810W		Contents: (1)MB-2524W		Contents: (1)MB-3061W	
TW-355S	STD Case: 251, 284, 301, 377, 251 Diesel, 267 Diesel, 301 Diesel, 336 Diesel, 377 Diesel, 401 Diesel, 451 Diesel	TW-412S	STD Clark: 159 Diesel, 212 Diesel; Coshtt: 212 Diesel; DetD: 106 Diesel, 159 Diesel, 212 Diesel; FordTrk: 159 Diesel(1973-1976); GMC Trk.: 159 Diesel(1967-1968); MilStd: 159 Diesel; Oliver: 212 Diesel	TW-453S	STD GMC: 92(1985-1989), 98(1990-1990); Isu: 1471(1985-1989), 1588(1989-1990)
Contents: (1)MB-2811W		Contents: (1)MB-2522W		Contents: (1)MB-3150W	
TW-358S	STD NisInd: 3298 Diesel(1978-1990), 3465 Diesel(1986-1990)				
Contents: (1)MB-2820W(L) (1)MB-2820W(U)					

NUMERICAL LISTING OF CLEVITE 77 THRUST WASHER SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
TW-455S	STD GMC: 61(1985-2000), 79(1992-1999); Suz: 993(1985-1993), 1298(1989-1998); SuzTrk: 993(1985-1985), 1298(1989-1995), 1324(1986-1989) Contents: (1)MB-3172W	TW-473S	STD Acura: 1590(1986-2000), 1678(1992-1993), 1797(1994-2001), 1834(1990-2001); Hon: 1590(1988-2000), 1595(1994-2000), 1958(1988-1991), 2056(1990-1991), 2157(1998-2001); HonTrk: 1972(1997-2001) Contents: (1)MB-3176W	TW-590S	STD Inf: 1998(1991-1996); Nis: 1998(1991-1998) Contents: (1)MB-3478W
TW-456S	STD Toy: 1839 Diesel(1984-1990), 1974 Diesel(1985-1990) Contents: (1)MB-3193W(L) (1)MB-3193W(U)	TW-474S	STD Acura: 2494(1986-1987), 2675(1987-1990); Hon: 2675(1995-1997); Sterl: 2494(1987-1988), 2675(1988-1991) Contents: (1)MB-3177W	TW-591S	STD UD Truck: 6925 Diesel(1980-1998) Contents: (1)MB-3480W
TW-457S	STD Cumm: 611 Diesel, 661 Diesel Contents: (1)MB-3078W	TW-475S	STD ToyTrk: 2977 Diesel(1984-1990) Contents: (1)MB-3181W	TW-592S	STD Toy: 1588(1971-1979), 1770(1980-1982), 1995(1983-1986), 1998(1986-1995), 2164(1990-1998); ToyTrk: 1998(1984-1998), 2237(1986-1990) Contents: (1)MB-3201W(L) (1)MB-3201W(U)
TW-458S	STD Chry: 181(1988-1996), 2497(1995-2000); DodTrk: 181(1987-2000); Hyun: 2972(1989-1998); Mits: 2497(1995-1995), 2972(1988-2001); MitsTrk: 2972(1989-1998) Contents: (1)MB-3108W(L) (1)MB-3108W(U)	TW-478S	STD GMC Trk.: 97(1989-2002); Suz: 1590(1995-1998); SuzTrk: 1590(1989-1998) Contents: (1)MB-3209W	TW-595S	STD Asuna: 110(1992-1993); GMC: 98(1990-1993), 110(1992-1993); Isu: 1588(1990-1993), 1809(1992-1993); Passpt: 1809(1992-1993) Contents: (1)MB-3481W
TW-460S	STD Daih: 547(1976-1986), 617(1982-1985), 843(1982-1990), 993(1977-1992) Contents: (1)MB-3144W	TW-551S	STD Nis: 1597(1989-1998) Contents: (1)MB-3343W	TW-596S	STD Ford: 122(1993-1997); Maz: 1991(1993-2002) Contents: (1)MB-3544W
TW-461S	STD FordTrk: 134 Diesel(1983-1984); MazTrk: 2209 Diesel(1982-1984) Contents: (1)MB-3171W(L) (1)MB-3171W(U)	TW-552S	STD Ford: 153(1993-1997); Maz: 2254(1995-2002), 2497(1993-1998), 2954(1988-1995); MazTrk: 2954(1989-1998) Contents: (1)MB-3347W	TW-597S	STD Inf: 4130(1997-1998), 4494(1990-1996) Contents: (1)MB-3549W(L) (1)MB-3549W(U)
TW-462S	STD ToyTrk: 3956(1988-1992), 4230(1984-1987) Contents: (1)MB-3195W(L) (1)MB-3195W(U)	TW-553S	STD Toy: 1456(1987-1994), 1497(1992-1998) Contents: (1)MB-3348W	TW-598S	STD LexTrk: 4476(1996-1997); ToyTrk: 4476(1993-1997) Contents: (1)MB-3551W(L) (1)MB-3551W(U)
TW-463S	STD Toy: 2366(1984-1985); ToyTrk: 2366(1984-1995) Contents: (1)MB-2925W(L) (1)MB-2925W(U)	TW-554S	STD Lex: 2507(1990-1991), 2959(1992-1993); Toy: 1992(1987-1995), 2496(1988-1995), 2507(1988-1991), 2959(1992-1993); ToyTrk: 2958(1988-1995), 3378(1995-1998) Contents: (1)MB-3350W	TW-599S	STD Daih: 1295(1989-1992), 1296(1989-1993); DaihTrk: 1589(1989-1995) Contents: (1)MB-3554W
TW-464S	STD Ford: 122 Diesel(1984-1987); Maz: 1998 Diesel(1984-1985) Contents: (1)MB-3169W(L) (1)MB-3169W(U)	TW-555S	STD Toy: 1345(1967-1978); ToyInd: 1345(1967-1978), 1493(1967-1992); ToyTrk: 1345(1967-1975), 1493(1972-1978) Contents: (1)MB-3355W(L) (1)MB-3355W(U)	TW-600S	STD DetD: 677, 677 Diesel, 778 Diesel Contents: (1)MB-3562W
TW-467S	STD DbTrac: 219 Contents: (1)MB-3212W	TW-582S	STD Mack: 728 Diesel Contents: (1)MB-3412W(L) (1)MB-3412W(U)	TW-602S	STD Komatsu: 674 Diesel Contents: (1)MB-3748W
TW-468S	STD Listr: 39 Diesel, 77 Diesel, 116 Diesel Contents: (1)MB-3162W	TW-583S	STD Cat: 893 Diesel, 1099 Diesel, 1649 Diesel Contents: (1)MB-3448W	TW-604S	STD ToyTrk: 2438(1995-2001) Contents: (1)MB-3762W
TW-470S	STD GMC Trk.: 137 Diesel(1984-1985), 2238 Diesel(1981-1982); IsuInd: 119 Diesel(1981-1984); IsuTrk: 2238 Diesel(1981-1987), 2499 Diesel(1985-1990) Contents: (1)MB-3160W	TW-584S	STD Komatsu: 12840 Diesel(1971-1994), 19260 Diesel(1971-1979) Contents: (1)MB-3449W	TW-605S	STD Chry: 112(1992-1994); Eagle: 112(1992-1996); Mits: 1834(1993-2001); MitsTrk: 1834(1992-1994) Contents: (1)MB-3763W
TW-471S	STD Suz: 797(1977-1990), 970(1982-1990); SuzTrk: 970(1982-1985) Contents: (1)MB-3132W	TW-587S	STD Acura: 2156(1997-1997); Hon: 2156(1990-1997), 2157(1993-1997), 2259(1992-1996); HonTrk: 2156(1995-1997) Contents: (1)MB-3474W	TW-606S	STD Chry: 167(1998-2005), 197(1998-2001), 215(1999-2003) Contents: (1)MB-3768W
TW-472S	STD Ford: 81(1988-1997), 98(1987-1994), 112(1991-1996); Kia: 1597(1994-1997), 1839(1995-1997); Maz: 1489(1995-1998), 1597(1986-1995), 1839(1990-1997) Contents: (1)MB-3173W	TW-588S	STD Lex: 3969(1990-1998) Contents: (1)MB-3476W(L) (1)MB-3476W(U)	TW-607S	STD Ford: 207(1996-1999) Contents: (1)MB-3769W
		TW-589S	STD Lex: 2997(1992-1998); Toy: 2997(1993-1998) Contents: (1)MB-3477W(L) (1)MB-3477W(U)	TW-608S	STD DodTrk: 226(2002-2005), 287(2000-2005); Jeep: 226(2002-2005), 287(1999-2005) Contents: (1)MB-3771W
				TW-609S	STD ToyInd: 2771 Contents: (1)MB-3777W(L) (1)MB-3777W(U)

NUMERICAL LISTING OF CLEVITE 77 THRUST WASHER SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
TW-610S	STD GMC Trk.: 403 Diesel(2001-2004); Workhorse: 403 Diesel(2004-2004)	TW-613S	STD Audi: 2771(1998-1999); VW: 2771(1998-2000)	TW-617S	STD Mits: 3497(1997-2002); MitsTrk: 3497(1994-2002)
Contents:	(1)MB-3776W	Contents:	(1)MB-3796WL (1)MB-3796WU	Contents:	(1)MB-3812W
TW-611S	STD Chry: 345(2005-2005); DodTrk: 345(2003-2005); Jeep: 345(2005-2005)	TW-614S	STD VW: 2792(1992-1999)	TW-618S	STD Lex: 2995(1994-2002); LexTrk: 2995(1999-2002); Toy: 2995(1994-2002); ToyTrk: 2995(1998-2002)
Contents:	(1)MB-3780W	Contents:	(1)MB-3798WL (1)MB-3798WU	Contents:	(1)MB-3816W
TW-612S	STD Audi: 1781(1997-2000); VW: 1781(1998-2002), 1896 Diesel(1993-2002)	TW-615S	STD AcuraTrk: 3165(1996-1997); HonTrk: 3165(1994-2002); IsuTrk: 3165(1992-2002), 3494(1998-2002)	TW-619S	STD Scion: 2362(2005-2005); Toy: 2362(2002-2005); ToyTrk: 2362(2001-2005)
Contents:	(1)MB-3794WL (1)MB-3794WU	Contents:	(1)MB-3807W	Contents:	(1)MB-3821W
		TW-616S	STD Maz: 1844(1992-1994)		
		Contents:	(1)MB-3810W		

NUMERICAL LISTING OF CLEVITE 77 PIN BUSHINGS

Part No.	Application	Part No.	Application	Part No.	Application
223-3349	Case: 140; Chry: 218(1934-1954), 230(1946-1957), 237(1942-1950), 251(1946-1952), 265(1951-1954), 324(1939-1950); ChryInd: 218(1942-1954), 230(1942-1960), 237(1942-1954), 251(1942-1960), 265(1942-1960), 324(1942-1960); ChryMar: 201, 218, 230	223-3488	Mack: 672, 672 Diesel; MilStd: 779, 817; Wauk: 501, 638, 779, 817	223-3522	Deere: 248, 362, 254 Diesel, 270 Diesel, 381 Diesel, 404 Diesel, 531 Diesel
223-3361	IntInd: 152, 164; IntTrac: 152, 164	223-3489	Deere: 190, 321	223-3528	Case: 251, 284, 301, 377, 251 Diesel, 267 Diesel, 301 Diesel, 377 Diesel, 401 Diesel, 451 Diesel
223-3417	GMC: 216(1937-1952), 235(1950-1953); GMC Trk.: 216(1937-1953), 235(1950-1953)	223-3496	Cumm: 743, 495 Diesel, 672 Diesel, 743 Diesel, 1485 Diesel	223-3530	Case: 188 Diesel
223-3429	Case: 124, 126, 140, 148; ChryInd: 218(1942-1954), 230(1942-1960), 237(1942-1960), 251(1942-1960), 265(1942-1960), 324(1942-1960); ChryMar: 201, 218, 230; Clark: 162, 218(1942-1954), 226; Cont: 120, 124, 129, 134, 135, 140, 162, 163, 170, 1	223-3501	ChrisCft: 427; DearbMar: 390(1961-1971), 427(1964-1966); Ford: 352(1958-1966), 361(1958-1959), 390(1961-1971), 406(1962-1963), 410(1966-1967), 427(1963-1967), 428(1966-1970); FordInd: 330(1964-1978), 332(1958-1959), 361(1964-1978), 391(1964	223-3531	Case: 159, 164, 188
223-3432	MasFer: 133; Wauk: 133	223-3502	NavInt: 401(1956-1975), 461(1956-1964), 478(1965-1977), 549(1956-1978); PalMar: 401(1956-1975), 461(1956-1964), 549(1956-1972)	223-3543	Mack: 707 Diesel, 864 Diesel
223-3443	IntInd: 248, 248 Diesel, 264 Diesel, 281 Diesel; IntTrac: 248, 248 Diesel, 264 Diesel, 281 Diesel	223-3503	Clark: 69, 91, 112; Cont: 69, 91, 112; GrayMar: 69, 91, 112; MasFer: 91; Oliver: 112	223-3544	Mack: 672, 672 Diesel
223-3451	DearbMar: 239(1954-1954), 256(1954-1954), 272(1955-1957), 292(1955-1955); Ford: 221(1937-1942), 239(1939-1953), 255(1949-1953); FordMar: 239, 256, 272; FordTrac: 120; FordTrk: 239(1948-1950); IntcptMar: 256(1954-1954); MilStd: 239	223-3504	DearbMar: 390(1961-1963); Ford: 390(1961-1968), 427(1963-1967); FordInd: 401(1958-1976), 477(1958-1981), 534(1958-1981); FordMar: 534(1958-1981); FordTrk: 401(1958-1975), 475(1973-1979), 477(1958-1981), 534(1958-1981); Seamstr: 534	223-3545	Cumm: 743, 855, 588 Diesel, 743 Diesel, 785 Diesel, 855 Diesel; IntTrac: 743 Diesel
223-3458	FordTrk: 226(1947-1951)	223-3505	Cont: 50, 56, 62; MasFer: 62	223-3546	DearbMar: 312(1956-1960); Ford: 144(1960-1964), 215(1952-1953), 223(1954-1960), 239(1954-1954), 256(1954-1954), 272(1955-1957), 292(1955-1960), 312(1956-1960); FordInd: 134(1953-1976), 172(1955-1978), 192(1972-1981), 215(1952-1953), 223(195
223-3461	IntInd: 372, 406, 450, 501; NavInt: 318(1944-1947), 361(1944-1949), 372(1949-1968), 401(1941-1949), 406(1949-1977), 450(1944-1974), 501(1953-1974)	223-3507	Alc: 153, 182, 230, 262, 273, 153 Diesel, 175 Diesel, 230 Diesel, 262 Diesel, 273 Diesel; Buda: 153, 182, 230, 262, 273, 153 Diesel, 230 Diesel, 262 Diesel, 273 Diesel; Coshtt: 230	223-3547	Audi: 1471(1973-1974), 1588(1975-1980); VW: 1471(1974-1975), 1588(1976-1980), 1471 Diesel(1977-1980); VWTrk: 1588(1980-1980), 1471 Diesel(1980-1980)
223-3462	Alc: 142 Diesel, 213 Diesel, 284 Diesel, 426 Diesel; Clark: 568 Diesel; Deere: 426 Diesel; DetD: 142 Diesel, 213 Diesel, 284 Diesel, 426 Diesel, 568 Diesel, 852 Diesel, 1136 Diesel; MasFer: 213 Diesel, 568 Diesel; Oliver: 213 Diesel	223-3512	GMC Trk.: 305(1960-1974), 351(1960-1972), 379(1973-1974), 401(1960-1972), 432(1973-1974), 478(1964-1974), 702(1960-1965), 351 Diesel(1964-1967), 478 Diesel(1964-1974)	223-3548	Alc: 142 Diesel, 213 Diesel, 284 Diesel, 426 Diesel; Deere: 426 Diesel; DetD: 142 Diesel, 213 Diesel, 284 Diesel(1979-1988), 426 Diesel(1980-1988), 552 Diesel(1979-1988), 568 Diesel(1979-1988), 736 Diesel(1979-1988), 852 Diesel(1980-1986)
223-3466	IntInd: 60; IntTrac: 60; PalMar: 60	223-3514	Coshtt: 194, 265, 194 Diesel, 265 Diesel; Oliver: 129, 144, 155, 194, 216, 231, 265, 302, 129 Diesel, 144 Diesel, 155 Diesel, 194 Diesel, 216 Diesel, 231 Diesel, 265 Diesel, 302 Diesel; Wauk: 125, 129, 144, 155, 194, 216, 232, 265, 302, 320	223-3549	GMC Trk.: 1817(1972-1975)
223-3469	IntInd: 169, 175(1956-1962), 220(1956-1962), 240(1956-1962), 263, 264(1956-1962), 282 Diesel, 301 Diesel; IntTrac: 169(1956-1962), 175(1957-1960), 200(1957-1962), 220(1957-1962), 221(1956-1962), 240(1956-1962), 263(1957-1962), 264(1957-1960)	223-3515	Ford: 223(1961-1964), 292(1961-1962), 332(1958-1959); FordInd: 223(1961-1964), 262(1961-1964), 292(1961-1964), 332(1961-1963); FordMar: 292(1961-1962); FordTrk: 223(1961-1964), 262(1961-1964), 292(1961-1964), 302(1961-1963), 332(1961-1963)	223-3550	VW: 1679(1971-1973), 1795(1974-1974); VWTrk: 1679(1972-1974), 1795(1974-1975), 1970(1976-1979)
223-3471	Alc: 108; Case: 108; Coshtt: 108; MasFer: 54, 108; Oliver: 108; Wisc: 23, 46, 54, 92, 108	223-3516	Cont: 201, 208, 223, 242, 243, 208 Diesel, 242 Diesel; MasFer: 201, 208, 223, 242, 208 Diesel	223-3551	VW: 1192(1954-1965); VWTrk: 1192(1954-1960)
223-3474	Chry: 230(1958-1959), 270(1955-1956); ChryInd: 241, 259; DodTrk: 230(1958-1960), 241(1954-1954), 251(1958-1968), 259(1955-1956), 265(1960-1960), 270(1955-1956)	223-3517	Cont: 227, 243, 260, 277, 243 Diesel, 260 Diesel, 277 Diesel; MasFer: 260, 277, 260 Diesel, 277 Diesel	223-3552	VW: 1285(1966-1966), 1493(1967-1969), 1584(1966-1978); VWTrk: 1584(1968-1978)
223-3477	IntInd: 113, 123; IntTrac: 113, 123	223-3520	Deere: 115, 135, 145, 165, 180, 202, 217, 145 Diesel, 155 Diesel, 165 Diesel, 202 Diesel	223-3553	Checker: 350 Diesel(1980-1980); GMC: 260 Diesel(1979-1985), 350 Diesel(1978-1985); GMC Trk.: 260 Diesel(1982-1983), 350 Diesel(1978-1984)
223-3484	Chry: 170(1960-1969), 198(1970-1974), 225(1960-1983), 273(1964-1969), 277(1956-1957), 301(1956-1957), 303(1956-1956), 318(1957-1989), 326(1959-1959), 340(1968-1973); ChryInd: 225(1961-1987), 318(1961-1987); ChryMar: 170, 198, 225, 273, 318	223-3521	Deere: 201, 227, 301, 341	223-3554	IsuInd: 1991 Diesel; ThermKing: 1991 Diesel
				223-3555	IntTrac: 233
				223-3556	Alc: 200, 265, 301, 200 Diesel, 301 Diesel
				223-3557	Alc: 426 Diesel
				223-3558	Deere: 303, 329, 152 Diesel, 164 Diesel, 202 Diesel, 219 Diesel, 270 Diesel, 303 Diesel, 329 Diesel, 359 Diesel
				223-3559	Cumm: 903 Diesel; FordTrac: 903 Diesel; MasFer: 903 Diesel
				223-3560	Cumm: 352 Diesel, 378 Diesel, 470 Diesel, 504 Diesel
				223-3561	Alc: 555 Diesel; Cumm: 555 Diesel; FordTrac: 555 Diesel

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Part No.	Application	Part No.	Application	Part No.	Application
223-3566	IntInd: 282 Diesel, 301 Diesel; IntTrac: 282, 291, 166 Diesel, 188 Diesel, 236 Diesel, 282 Diesel, 301 Diesel; NavInt: 301 Diesel(1960-1978)	223-3595	IntInd: 414 Diesel, 466 Diesel; IntTrac: 414 Diesel, 436 Diesel, 466 Diesel; NavInt: 466 Diesel(1975-1993)	223-3621	Cont: 120, 129, 134, 145; MasFer: 120, 129, 134, 145
223-3567	IntInd: 169, 175; IntTrac: 169, 175	223-3596	Deere: 164 Diesel, 219 Diesel, 303 Diesel, 329 Diesel, 359 Diesel	223-3622	Clark: 159 Diesel, 212 Diesel; Cosht: 212 Diesel; DetD: 106 Diesel, 159 Diesel, 212 Diesel, 318 Diesel, 424 Diesel; FordTrk: 159 Diesel(1973-1976); GMC Trk.: 159 Diesel(1967-1968); MilStd: 159 Diesel, 318 Diesel; Oliver: 212 Diesel
223-3568	Cat: 893, 893 Diesel, 1191 Diesel, 1786 Diesel, 2382 Diesel	223-3597	GMC: 307(1980-1990)	223-3623	Wauk: 1013, 1196
223-3569	Cat: 636 Diesel; MasFer: 636 Diesel	223-3598	DearbMar: 390(1961-1971); Ford: 352(1958-1967), 361(1958-1959), 410(1966-1967), 428(1966-1970); FordInd: 330(1964-1978), 361(1964-1978), 391(1964-1978), 428(1964-1978); FordTrk: 330(1964-1978), 352(1965-1967), 359(1974-1975), 360(1968-1976)	223-3624	IntInd: 263, 236 Diesel, 282 Diesel, 301 Diesel; IntTrac: 221, 263, 282, 291, 301, 236 Diesel, 282 Diesel, 301 Diesel
223-3570	Cat: 1473, 1964, 2946, 3928, 1473 Diesel, 1964 Diesel, 2946 Diesel, 3928 Diesel	223-3605	Chry: 218(1934-1954), 230(1946-1959), 237(1942-1950), 251(1942-1954), 265(1951-1954); ChryInd: 218(1942-1954); ChryMar: 251, 265; Cont: 124, 140, 162, 163, 170, 184, 186, 198, 199, 202, 206, 209, 214, 218, 226, 227, 242, 245; DodTrk: 218(19)	223-3625	IntInd: 361 Diesel, 407 Diesel; IntTrac: 407, 361 Diesel
223-3571	Cat: 350 Diesel, 525 Diesel	223-3606	GMC: 371(1957-1960), 394(1959-1964)	223-3626	IntInd: 361 Diesel, 407 Diesel; IntTrac: 407, 407 Diesel
223-3572	Cat: 425, 525, 638, 350 Diesel, 425 Diesel, 525 Diesel, 638 Diesel	223-3607	Chry: 170(1960-1969), 198(1970-1974), 225(1960-1983), 273(1964-1969), 277(1956-1957), 301(1956-1957), 303(1956-1956), 318(1957-1973), 326(1959-1959), 340(1968-1973); ChryInd: 225(1961-1987), 318(1961-1987); ChryMar: 170, 198, 225, 273, 318	223-3627	IntInd: 312 Diesel, 360 Diesel; IntTrac: 312 Diesel, 360 Diesel; NavInt: 360 Diesel(1987-1995)
223-3574	Cat: 425, 525, 638, 350 Diesel, 425 Diesel, 525 Diesel, 638 Diesel	223-3608	FordInd: 134(1953-1976), 172(1955-1978), 192(1972-1981); FordTrac: 134(1953-1965), 172(1955-1965)	223-3628	Cat: 636 Diesel; MasFer: 636 Diesel
223-3575	Case: 336 Diesel, 504 Diesel	223-3609	Ford: 223(1961-1964), 332(1958-1959); FordInd: 262(1961-1964), 332(1956-1960); FordTrk: 262(1961-1964), 302(1956-1963), 332(1956-1960)	223-3629	SupDie: 3575 Diesel, 4767 Diesel, 4948 Diesel, 6597 Diesel, 9896 Diesel, 13195 Diesel
223-3576	GMC Trk.: 379 Diesel(1982-1993), 395 Diesel(1992-2002); Hummer: 379 Diesel(1992-1993), 395 Diesel(1994-2002); Workhorse: 395 Diesel(2000-2002)	223-3610	ToyInd: 1994(1967-1986); ToyTrk: 1994(1967-1982)	223-3630	IntInd: 817 Diesel; IntTrac: 817 Diesel
223-3577	Cat: 893 Diesel, 1099 Diesel, 1649 Diesel	223-3611	Toy: 2253(1968-1972), 2563(1971-1980), 2759(1981-1988), 2954(1987-1992)	223-3631	Wauk: 2894, 3520, 5788, 7042, 9388, 2894 Diesel, 5788 Diesel
223-3578	Cat: 425, 525, 638, 350 Diesel, 425 Diesel, 525 Diesel, 638 Diesel	223-3612	Toy: 2189(1975-1980), 2366(1981-1985); ToyTrk: 2189(1975-1980), 2366(1984-1995)	223-3632	Deere: 466 Diesel; Wauk: 1905, 1905 Diesel
223-3579	DetD: 500 Diesel	223-3614	IsuTrk: 2775 Diesel(1973-1990), 3268 Diesel(1979-1984)	223-3633	Deere: 466 Diesel
223-3580	Cat: 1246, 831 Diesel, 1246 Diesel, 1662 Diesel, 2493 Diesel	223-3615	IsuTrk: 3268 Diesel(1981-1984), 3595 Diesel(1973-1990), 3856 Diesel(1985-1999), 5393 Diesel(1972-1990), 5785 Diesel(1977-1990), 6130 Diesel(1980-1990)	223-3634	DetD: 212 Diesel, 318 Diesel, 424 Diesel
223-3581	FordTrk: 110(1972-1978), 122(1979-1982); Maz: 1490(1981-1982), 1586(1972-1977), 1796(1972-1973), 1970(1979-1982); MazInd: 1985(1971-1979); MazTrk: 1586(1972-1976), 1796(1977-1978), 1970(1979-1982)	223-3616	Suz: 797(1977-1990), 970(1982-1990); SuzTrk: 970(1982-1985)	223-3636	FordTrac: 158(1975-1980), 175(1975-1980), 192(1965-1980), 201(1975-1980), 158 Diesel(1975-1980), 175 Diesel(1975-1980), 183 Diesel(1975-1980), 192 Diesel(1975-1980), 201 Diesel(1975-1980), 401 Diesel(1975-1980)
223-3582	Ford: 98(1971-1973), 1599(1978-1980)	223-3617	NisInd: 2164 Diesel(1981-1983); NisTrk: 2164 Diesel(1981-1983), 2488 Diesel(1983-1986)	223-3637	IsuInd: 144 Diesel(1969-1985)
223-3583	FordTrk: 420 Diesel(1983-1987), 444 Diesel(1988-1994); NavInt: 420 Diesel(1980-1988), 444 Diesel(1988-1995)	223-3618	Chry: 215(1993-1997); Eagle: 215(1993-1997)	223-3638	NisInd: 2164 Diesel(1963-1980), 3246 Diesel(1966-1990); NisMar: 3246 Diesel(1981-1990)
223-3584	NavInt: 404(1975-1982), 446(1975-1981); PalMar: 404(1975-1982)	223-3619	BMW: 2494(1987-1995), 2693(1982-1988)	223-3639	MasFer: 107 Diesel, 108 Diesel; Perk: 99 Diesel, 107 Diesel, 108 Diesel
223-3585	Cat: 893, 893 Diesel, 1099 Diesel, 1649 Diesel	223-3620	Ford: 281(1991-2004); FordTrk: 281(1997-2004), 330(1997-2003), 415(1997-2004)	223-3640	Alc: 248 Diesel; DodTrk: 354 Diesel(1966-1970); MasFer: 248 Diesel(1967-1981), 354 Diesel(1967-1981); MinMol: 354 Diesel; Oliver: 354 Diesel; Perk: 248 Diesel, 354 Diesel, 372 Diesel; WhiFarm: 354 Diesel
223-3586	Cat: 893, 893 Diesel, 1099 Diesel, 1191 Diesel, 1649 Diesel, 1786 Diesel, 2382 Diesel			223-3641	MasFer: 236 Diesel, 354 Diesel; Perk: 236, 236 Diesel, 354 Diesel, 372 Diesel; StksMar: 354 Diesel; WhiFarm: 354 Diesel
223-3587	Alc: 844 Diesel			223-3642	Case: 505 Diesel; Cummm: 505 Diesel
223-3589	Deere: 276 Diesel			223-3643	Cat: 425, 525, 638, 350 Diesel, 425 Diesel, 525 Diesel, 638 Diesel
223-3590	Deere: 404 Diesel				
223-3591	Deere: 113, 100.5				
223-3593	Cumm: 495 Diesel, 743 Diesel, 855 Diesel				
223-3594	Alc: 152 Diesel; FordTrac: 152; ForsnTrac: 144 Diesel(1964-1974), 152 Diesel(1964-1964); MasFer: 152, 135 Diesel, 144 Diesel, 152 Diesel, 192 Diesel, 203 Diesel, 288 Diesel, 305 Diesel; MinMol: 152 Diesel; Perk: 152, 135 Diesel, 144 Diesel				

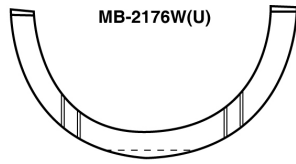
NUMERICAL LISTING OF CLEVITE 77 PIN BUSHINGS

Part No.	Application	Part No.	Application	Part No.	Application
223-3644	Case: 124, 126, 180 Diesel, 239 Diesel, 359 Diesel; Cummins: 359 Diesel; Dodge: 359 Diesel(1989-1998)	223-3651	Ford: 155(1995-2002), 181(1996-2004), 207(1996-1999); FordTrk: 181(2001-2003); MazTrk: 181(2001-2003)	223-3661	ToyInd: 2771
223-3645	Ford: 232(1989-1995)	223-3652	FordTrk: 444 Diesel(1994-2003); MercMar: 444 Diesel; NavInt: 444 Diesel(1994-1999)	223-3662	GMC: 212(1999-2002), 244(2001-2003), 281(2000-2003)
223-3646	GMC: 231(1995-2003)	223-3653	Toy: 1998(1987-1991), 2164(1990-1998)	223-3663	GMC: 365(2002-2004); GMC Trk.: 365(2002-2004); Hummer: 365(2002-2004); IsuTrk: 365(2004-2004); Workhorse: 365(2004-2004)
223-3647	GMC: 231(1995-2004)	223-3654	Chry: 167(1998-2005)	223-3664	GMC Trk.: 254(2002-2005); IsuTrk: 254(2003-2005); Saab Truck: 254(2005-2005)
223-3648	GMC: 138(1988-1991), 244(1995-1999), 281(1993-1999)	223-3655	DetD: 677, 677 Diesel, 778 Diesel		
223-3649	Sat: 116(1991-2002)	223-3658	ThermKing: 2207 Diesel(1969-1979)		

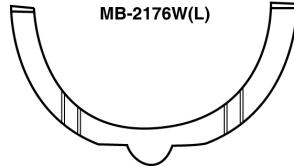
PERKINS THRUST WASHER SETS

TW-115S

Qty: 2 MB-2176W(U), 1 MB-2176W(L)



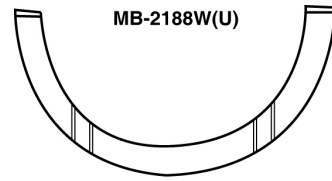
MB-2176W(U)



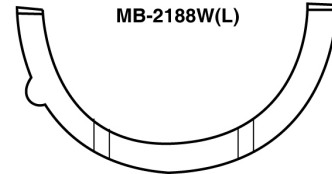
MB-2176W(L)

TW-119S

Qty: 2 each



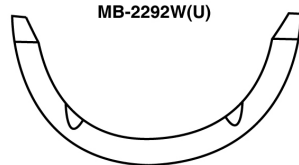
MB-2188W(U)



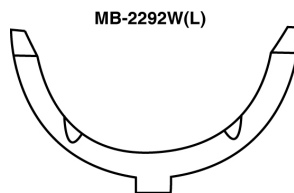
MB-2188W(L)

TW-130S

Qty: 2 each



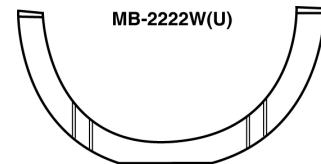
MB-2292W(U)



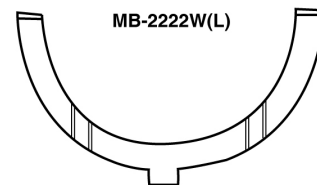
MB-2292W(L)

TW-121S

Qty: 2 each



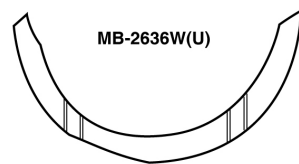
MB-2222W(U)



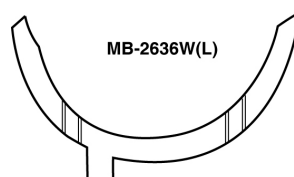
MB-2222W(L)

TW-316S

Qty: 2 each



MB-2636W(U)



MB-2636W(L)

CONNECTING ROD BEARINGS FOR WAUKESHA VHP SERIES ENGINES

Several different connecting rod series have been used in the Waukesha VHP series engines. A total of four different bearing halves are required to service six different rod series.

ROD SERIES 205007

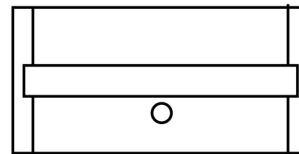
	Clevite 77 Part	Waukesha Part
Upper shell	CB-973P(U)	205110P
Lower shell	CB-973P(L)	205010K
Pair	NONE**	A205010K



CB-973P(U) (205110P)
Two oil holes 20° from split.

ROD SERIES 205407C, D, H, J

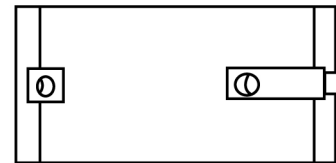
	Clevite 77 Part	Waukesha Part
Upper shell	CB-1396P(U)	205110N
Lower shell	CB-973P(L)	205010K
Pair	NONE**	C205010K



CB-973P(L) (205010K)
For rods with dowel pin in cap.

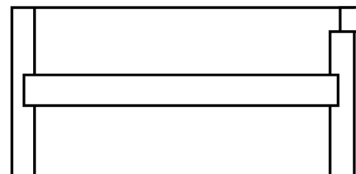
ROD SERIES 205507

	Clevite 77 Part	Waukesha Part
Upper shell	CB-1396P(U)	205110N
Lower shell	CB-1397(L)	205010L
Pair	NONE**	A205010L



CB-1396P(U) (205110N)
One oil hole 15° and one oil hole 60° from split locating lug at center.

***Sold as individual pieces only.*



CB-1397P(L) (205010L)
For rods with locating notch (No dowel pin.)

MAIN BEARINGS FOR WAUKESHA VHP SERIES ENGINES

Waukesha VHP series engines have been built using two different crankshaft oil hole drilling configurations. The earlier version of these is referred to as “angle-drilled”. The angle-drilled cranks require full annular grooving in the main bearings to provide a continuous supply of pressurized oil to the connecting rods.

ANGLE-DRILLED CRANKSHAFTS

	<u>Clevite 77 Part</u>	<u>Waukesha Part</u>
FRONT, CENTER, AND REAR POSITIONS (4.130” max. length)		
Upper and lower shell	MB-2608P(U)	200022S
6 pieces required for 6 and 12 cylinder engines		
4 pieces required for 16 cylinder engines		
INTERMEDIATE POSITIONS (3.005” max. length)		
Upper and lower shell	MB-2609P(U)	200025S
8 pieces required for 6 and 12 cylinder engines		
16 pieces required for 16 cylinder engines		

The later version shafts are termed “tee-drilled”. These later tee-drilled shafts use a grooved upper shell and a partially grooved lower. The drilling of the crankshaft oilways permits continuous oiling of the connecting rods from the approximately 240 degrees of grooving that results.

TEE-DRILLED CRANKSHAFTS

	<u>Clevite 77 Part</u>	<u>Waukesha Part</u>
FRONT, CENTER, AND REAR POSITIONS (4.130” max. length)		
Upper shell	MB-2608P(U)	200022T
Lower shell	MB-3100P(L)	200022U
3 pieces of each required for 12 cylinder engines		
2 pieces of each required for 16 cylinder engines		
INTERMEDIATE POSITIONS (3.005” max. length)		
Upper shell	MB-3101P(U)	200025T
Lower shell	MB-3102P(L)	200025U
4 pieces of each required for 12 cylinder engines		
8 pieces of each required for 16 cylinder engines		

NOTE: Installing a tee-drilled crankshaft in an engine originally equipped with an angle-drilled crankshaft requires that either the oil passage in the #1 main bearing cap be relocated per OEM procedures, or that MB-3099P(U) be installed in place of MB-3100P(L) in the lower position of the #1 main bearing.

CONNECTING ROD FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
0CB	3.307in./84mm	Ford	507	3.189in./81mm	Austin
1BA	3.750in./95.3mm	Ford	507	3.189in./81mm	MG
2AW	3.625in./92.1mm	Cadillac	511	2.625in./66.7mm	Ford
2B	3.625in./92.1mm	Cadillac	511	2.701in./68.6mm	Ford
3B	3.625in./92.1mm	Cadillac	561	3.850in./97.8mm	Buick
4F-2884	5.500in./139.7mm	Caterpillar	673	3.400in./86.4mm	Buick
4F-2884	6.000in./152.4mm	Caterpillar	699	3.313in./84.2mm	Chrysler
4N-389	6.000in./152.4mm	Caterpillar	699	3.313in./84.2mm	Dodge
6BC	3.625in./92.1mm	Cadillac	707	3.000in./76.2mm	American Motors
7-68	4.000in./101.6mm	Roiline	707	3.250in./82.6mm	Studebaker
7-68	4.500in./114.3mm	Roiline	707	3.281in./83.34mm	American Motors
7B-6225	8.000in./203.2mm	Caterpillar	707	3.438in./87.3mm	American Motors
7H	3.625in./92.1mm	Cadillac	707	3.438in./87.33mm	American Motors
8BA	3.750in./95.3mm	Ford	707	3.500in./88.9mm	American Motors
8BA-6200B	3.750in./95.3mm	Ford	707	3.906in./99.2mm	American Motors
8CM-6200B	3.750in./95.3mm	Ford	763	3.400in./86.4mm	Buick
8N-3753	5.000in./127mm	Caterpillar	779	3.400in./86.4mm	Buick
9N	3.750in./95.3mm	Ford	782	3.313in./84.2mm	Chrysler
9N	3.750in./95.3mm	Ford Tractor	782	3.313in./84.2mm	Dodge
9N-6200	3.750in./95.3mm	Ford	875	3.307in./84mm	Cadillac
9N-6200	3.750in./95.3mm	Ford Tractor	942	3.850in./97.8mm	Buick
9T	3.625in./92.1mm	Cadillac	0997	3.385in./86mm	Oldsmobile
10A-5090	5.000in./127mm	Minneapolis Moline	0997	3.531in./89.7mm	Chevrolet
11H	3.625in./92.1mm	Cadillac	1172-A3	4.125in./104.8mm	Reo
14AL	3.625in./92.1mm	Cadillac	1491	3.938in./100mm	Chevrolet
15-12	5.000in./127mm	Case	1609-A3	4.125in./104.8mm	Reo
21A-6200	3.000in./76.2mm	Ford	1609-A3	4.250in./108mm	Reo
25AB	3.625in./92.1mm	Cadillac	1609-A3	4.703in./119.5mm	Reo
25AD	3.625in./92.1mm	Cadillac	1609-A3	in./mm	Reo
27AD	3.625in./92.1mm	Cadillac	1820YA	4.125in./104.8mm	International
29A-6200	3.750in./95.3mm	Ford	1820YA	4.500in./114.3mm	International
31	3.386in./86mm	Mitsubishi	2457-1	6.000in./152.4mm	Cummins
32AH	3.625in./92.1mm	Cadillac	2457-2	6.000in./152.4mm	Cummins
32AL	3.625in./92.1mm	Cadillac	3217	3.400in./86.4mm	Buick
35AL	3.625in./92.1mm	Cadillac	3596	3.504in./89mm	Austin
39AM	3.625in./92.1mm	Cadillac	3596	3.504in./89mm	MG
43CE	3.625in./92.1mm	Cadillac	3597	3.504in./89mm	Austin
49AT	3.625in./92.1mm	Cadillac	3597	3.504in./89mm	MG
63	3.307in./84mm	Cadillac	4472	4.250in./108mm	American Motors
72G	2.992in./76mm	Mitsubishi	5487	3.640in./92.5mm	Buick
72W	2.992in./76mm	Mitsubishi	5854	3.680in./93.5mm	American Motors
91A-6200	3.000in./76.2mm	Ford	6410	3.938in./100mm	Chevrolet
099	3.622in./92mm	Cadillac	6538	3.400in./86.4mm	Buick
99A-6200	3.750in./95.3mm	Ford	7047	3.680in./93.5mm	American Motors
121	3.268in./83mm	Chevrolet	8389	3.750in./95.3mm	Chevrolet
143	3.622in./92mm	Chevrolet	8436	3.250in./82.6mm	Chevrolet
161	2.756in./70mm	Opel	8436	3.250in./82.6mm	General Motors
201	3.400in./86.4mm	Buick	8436	3.250in./82.6mm	Pontiac
205	2.800in./71.1mm	Buick	8436	3.531in./89.7mm	Chevrolet
207	3.000in./76.2mm	American Motors	8436	3.531in./89.7mm	Pontiac
207	3.250in./82.6mm	Studebaker	9300	4.375in./111.1mm	Chrysler
207	3.500in./88.9mm	American Motors	9410	4.375in./111.1mm	Chrysler
207	3.906in./99.2mm	American Motors	9410	4.625in./117.5mm	Chrysler
218LW	3.622in./92mm	Chrysler	9410	4.625in./117.5mm	Dodge
220	3.400in./86.4mm	Buick	9414	4.625in./117.5mm	Chrysler
222	4.060in./103.1mm	Cadillac	9414	4.625in./117.5mm	Dodge
222	4.300in./109.2mm	Cadillac	9420	4.125in./104.8mm	Chevrolet
324	3.000in./76.2mm	Pontiac	9558	3.750in./95.3mm	Chevrolet
338	3.250in./82.6mm	Studebaker	15134N	3.125in./79.4mm	Chrysler
338	3.500in./88.9mm	American Motors	15134N	3.641in./92.5mm	Chrysler
351	3.190in./81.03mm	American Motors	15134N	4.125in./104.8mm	Chrysler
351	3.190in./81.03mm	Jeep	15140	3.125in./79.4mm	Chrysler
351	3.850in./97.8mm	Buick	15140	3.641in./92.5mm	Chrysler
352	3.906in./99.2mm	American Motors	15140	4.125in./104.8mm	Chrysler
367GC-468F	6.000in./152.4mm	Mack	17009	2.677in./68mm	Austin
408	2.660in./67.6mm	Buick	17009	2.992in./76mm	Austin
431	3.200in./81.3mm	Buick	17009	2.992in./76mm	MG
461	2.660in./67.6mm	Buick	17010	2.677in./68mm	Austin
487	3.640in./92.5mm	Buick	17010	2.992in./76mm	Austin
494	3.640in./92.5mm	Buick	17010	2.992in./76mm	MG

CONNECTING ROD FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
20007	in./mm	Waukesha	135007	5.000in./127mm	Waukesha
20007	8.500in./215.9mm	Waukesha	135007-A	5.000in./127mm	Waukesha
20840	5.000in./127mm	Cummins	140107	5.500in./139.7mm	Waukesha
25053D	6.500in./165.1mm	International	143523	5.000in./127mm	Cummins
25069H	4.000in./101.6mm	Continental	147036	4.125in./104.8mm	Cummins
25069H	4.000in./101.6mm	International	156101	4.125in./104.8mm	Cummins
25069H	4.250in./108mm	International	160007-C	3.500in./88.9mm	Waukesha
25750DA	5.250in./133.4mm	International	160043	4.125in./104.8mm	Cummins
28736D	6.500in./165.1mm	International	166452	3.500in./88.9mm	Cummins
30926D	4.000in./101.6mm	Continental	175635	4.125in./104.8mm	Cummins
30926D	4.000in./101.6mm	International	175637	4.125in./104.8mm	Cummins
30926D	4.250in./108mm	International	177378	4.125in./104.8mm	Cummins
32285D	6.500in./165.1mm	International	180000-C	3.750in./95.3mm	Waukesha
33738	4.000in./101.6mm	Waukesha	180007	3.750in./95.3mm	Waukesha
40090C	4.250in./108mm	Hercules	180007-B	3.750in./95.3mm	Waukesha
40090C	4.500in./114.3mm	Hercules	180007-C	3.750in./95.3mm	Waukesha
40390C	4.250in./108mm	Hercules	180097	6.000in./152.4mm	Cummins
40390C	4.500in./114.3mm	Hercules	182111	3.750in./95.3mm	Waukesha
42687D	6.500in./165.1mm	International	187111	3.750in./95.3mm	Waukesha
43102C	4.250in./108mm	Hercules	190107	4.000in./101.6mm	Waukesha
43102C	4.500in./114.3mm	Hercules	190128	6.000in./152.4mm	Cummins
43785	4.250in./108mm	International	190307	4.000in./101.6mm	Waukesha
43785B	4.250in./108mm	International	195123	4.000in./101.6mm	Studebaker
43785DDXA	4.250in./108mm	International	199829	4.000in./101.6mm	Studebaker
44119C	4.500in./114.3mm	Hercules	200007	in./mm	Waukesha
45750DA	5.250in./133.4mm	International	200007	8.500in./215.9mm	Waukesha
52813	5.000in./127mm	Perkins	207459	3.500in./88.9mm	Allis Chalmers
59554	5.000in./127mm	Perkins	215264R1	2.750in./69.9mm	International
59554	5.276in./134mm	Perkins	216114R1	2.750in./69.9mm	Briggs & Stratton
59998R1	4.125in./104.8mm	International	216114R1	3.656in./92.9mm	International
59998R1	4.500in./114.3mm	International	218808	6.000in./152.4mm	Cummins
60832B	4.125in./104.8mm	International	220207	3.750in./95.3mm	Waukesha
60832B	4.500in./114.3mm	International	220207	in./mm	Waukesha
61349H	3.688in./93.7mm	International	251246R1	2.750in./69.9mm	International
61349H	3.875in./98.4mm	International	251246R3	2.750in./69.9mm	International
62930R1	4.500in./114.3mm	International	254924R1	6.500in./165.1mm	International
62930R4	4.500in./114.3mm	International	277103R11	6.000in./152.4mm	International
62930R5	4.500in./114.3mm	International	278410A	3.898in./99mm	General Motors
68007	4.000in./101.6mm	Waukesha	278712C1	4.313in./109.6mm	International
70009R1	3.688in./93.7mm	International	288090D	4.500in./114.3mm	Hercules
70009R1	4.016in./102mm	International	291260	3.641in./92.5mm	Chrysler
70009R1	4.125in./104.8mm	International	306280R1	4.391in./111.5mm	International
70009R2	4.016in./102mm	International	309253C1	2.750in./69.9mm	Briggs & Stratton
70009R2	4.125in./104.8mm	International	309253C1	3.656in./92.9mm	International
97007-B	8.250in./209.6mm	Waukesha	312716	3.600in./91.4mm	Ford
101158	3.441in./87.4mm	Cummins	312716	3.600in./91.4mm	Ford Tractor
101158	6.000in./152.4mm	Cummins	364912R11	4.250in./108mm	International
116390H	4.500in./114.3mm	International	367406R1	4.391in./111.5mm	International
118701H	4.125in./104.8mm	International	375595R1	4.063in./103.2mm	International
118701H	4.500in./114.3mm	International	380282	3.385in./86mm	Oldsmobile
118701H	5.000in./127mm	International	380282	3.531in./89.7mm	Chevrolet
118701H	5.250in./133.4mm	International	380283	3.385in./86mm	Oldsmobile
118701HA	4.125in./104.8mm	International	380283	3.531in./89.7mm	Chevrolet
118701HA	4.500in./114.3mm	International	380383	3.385in./86mm	Oldsmobile
118701HA	5.000in./127mm	International	380383	3.531in./89.7mm	Chevrolet
118701HA	5.250in./133.4mm	International	384759	4.250in./108mm	Oldsmobile
121430	5.000in./127mm	Cummins	391320	4.125in./104.8mm	International
121430	6.000in./152.4mm	Cummins	391320	4.500in./114.3mm	International
121579	6.000in./152.4mm	Cummins	397858	3.980in./101.1mm	Oldsmobile
122620	5.000in./127mm	Cummins	398410	3.385in./86mm	Oldsmobile
123007	6.500in./165.1mm	Waukesha	398410	3.531in./89.7mm	Chevrolet
125107	6.500in./165.1mm	Waukesha	401406	3.980in./101.1mm	Oldsmobile
127725	5.000in./127mm	Cummins	401456	3.980in./101.1mm	Oldsmobile
127726	5.000in./127mm	Cummins	410997	3.385in./86mm	Oldsmobile
133512R3	3.750in./95.3mm	International	410997	3.531in./89.7mm	Chevrolet
133512R3	4.313in./109.6mm	International	410999	3.980in./101.1mm	Oldsmobile
133521R3	3.750in./95.3mm	International	418557	3.438in./87.3mm	General Motors
133521R3	4.313in./109.6mm	International	418557	3.438in./87.3mm	Oldsmobile
133524R3	3.750in./95.3mm	International	427216C1	4.313in./109.6mm	International
133524R3	4.313in./109.6mm	International	489300	4.313in./109.6mm	International

CONNECTING ROD FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
499323	3.000in./76.2mm	Pontiac	952118	4.375in./111.1mm	Chrysler
517892	4.000in./101.6mm	Studebaker	952118	4.625in./117.5mm	Chrysler
518114	3.250in./82.6mm	General Motors	952118	4.625in./117.5mm	Dodge
518114	3.250in./82.6mm	Pontiac	954371	4.375in./111.1mm	Chrysler
518114	3.563in./90.5mm	General Motors	954371	4.625in./117.5mm	Chrysler
518114	3.563in./90.5mm	Pontiac	954371	4.625in./117.5mm	Dodge
518115	3.563in./90.5mm	General Motors	954408	4.375in./111.1mm	Chrysler
518115	3.563in./90.5mm	Pontiac	954408	4.625in./117.5mm	Chrysler
527457R11	2.750in./69.9mm	International	954408	4.625in./117.5mm	Dodge
528979	3.563in./90.5mm	General Motors	954418	4.063in./103.2mm	Chrysler
528979	3.563in./90.5mm	Pontiac	954418	4.250in./108mm	Chrysler
529007	3.750in./95.3mm	Pontiac	954418	4.250in./108mm	DeSoto
529238	3.750in./95.3mm	Pontiac	954418	4.500in./114.3mm	Chrysler
529907	3.563in./90.5mm	General Motors	954418	4.500in./114.3mm	Dodge
529907	3.563in./90.5mm	Pontiac	954418	4.750in./120.7mm	Chrysler
529907	3.750in./95.3mm	Pontiac	954418	in./mm	Chrysler
529938	3.750in./95.3mm	Pontiac	954428	4.063in./103.2mm	Chrysler
532294	3.563in./90.5mm	General Motors	954428	4.250in./108mm	Chrysler
532294	3.563in./90.5mm	Pontiac	954428	4.250in./108mm	DeSoto
532294	3.750in./95.3mm	Pontiac	954428	4.500in./114.3mm	Chrysler
541000	3.750in./95.3mm	Pontiac	954428	4.500in./114.3mm	Dodge
544956	3.750in./95.3mm	Pontiac	954428	4.750in./120.7mm	Chrysler
555645	3.438in./87.3mm	General Motors	954428	in./mm	Chrysler
555645	3.438in./87.3mm	Oldsmobile	954448	4.063in./103.2mm	Chrysler
559360	3.438in./87.3mm	General Motors	954448	4.250in./108mm	Chrysler
559360	3.438in./87.3mm	Oldsmobile	954448	4.250in./108mm	DeSoto
559361	3.438in./87.3mm	General Motors	1162050	3.200in./81.3mm	Buick
559361	3.438in./87.3mm	Oldsmobile	1168325	3.200in./81.3mm	Buick
568815	3.688in./93.7mm	General Motors	1173217	3.400in./86.4mm	Buick
568815	3.688in./93.7mm	Oldsmobile	1185487	3.640in./92.5mm	Buick
574545	3.688in./93.7mm	General Motors	1186538	3.400in./86.4mm	Buick
574545	3.688in./93.7mm	Oldsmobile	1193339	2.800in./71.1mm	Buick
575001	3.688in./93.7mm	General Motors	1240016	3.850in./97.8mm	Buick
575001	3.688in./93.7mm	Oldsmobile	1241938	3.850in./97.8mm	Buick
580255	3.688in./93.7mm	General Motors	1278848	3.189in./81mm	BMW
580255	3.688in./93.7mm	Oldsmobile	1324222	3.625in./92.1mm	Chrysler
585470	3.688in./93.7mm	General Motors	1328783	3.250in./82.6mm	Chrysler
585470	3.688in./93.7mm	Oldsmobile	1343144	3.200in./81.3mm	Buick
617925	4.375in./111.1mm	Chrysler	1349431	3.200in./81.3mm	Buick
617925	4.625in./117.5mm	Chrysler	1357201	3.400in./86.4mm	Buick
617925	4.625in./117.5mm	Dodge	1357333	3.400in./86.4mm	Buick
636960	4.375in./111.1mm		1373496	3.900in./99mm	Buick
640068	4.375in./111.1mm		1374562	3.850in./97.8mm	Buick
641770	4.375in./111.1mm		1374563	3.850in./97.8mm	Buick
665679	4.063in./103.2mm	Chrysler	1377248	3.400in./86.4mm	Buick
665679	4.250in./108mm	Chrysler	1385363	3.900in./99mm	Buick
665679	4.250in./108mm	DeSoto	1400244	4.063in./103.2mm	Chrysler
665679	4.500in./114.3mm	Chrysler	1400244	4.250in./108mm	Chrysler
665679	4.500in./114.3mm	Dodge	1400244	4.250in./108mm	DeSoto
665679	4.750in./120.7mm	Chrysler	1400244	4.500in./114.3mm	Chrysler
665679	in./mm	Chrysler	1400244	4.500in./114.3mm	Dodge
666743	4.625in./117.5mm	Chrysler	1400244	4.750in./120.7mm	Chrysler
666743	4.625in./117.5mm	Dodge	1400244	in./mm	Chrysler
666746	4.063in./103.2mm	Chrysler	1554471	4.375in./111.1mm	Chrysler
666746	4.250in./108mm	Chrysler	1554471	4.625in./117.5mm	Chrysler
666746	4.250in./108mm	DeSoto	1554471	4.625in./117.5mm	Dodge
666746	4.500in./114.3mm	Chrysler	1554530	4.375in./111.1mm	Chrysler
666746	4.500in./114.3mm	Dodge	1554530	4.625in./117.5mm	Chrysler
666746	4.750in./120.7mm	Chrysler	1554530	4.625in./117.5mm	Dodge
666746	in./mm	Chrysler	1618699	3.313in./84.2mm	Chrysler
711916	4.375in./111.1mm	Jeep	1618699	3.313in./84.2mm	Dodge
731057	4.375in./111.1mm	Continental	1618699	3.375in./85.7mm	Chrysler
731057	4.375in./111.1mm	Jeep	1630398	3.800in./96.5mm	Chrysler
838389	3.750in./95.3mm	Chevrolet	1673758	3.906in./99.2mm	Chrysler
838389	3.938in./100mm	Chevrolet	1737692	3.375in./85.7mm	Chrysler
839558	3.750in./95.3mm	Chevrolet	1816619C1	4.180in./106.2mm	International
839558	3.938in./100mm	Chevrolet	1821345	3.625in./92.1mm	Chrysler
868896	4.375in./111.1mm	Chrysler	1821345	3.800in./96.5mm	Chrysler
868896	4.625in./117.5mm	Chrysler	1851535	3.375in./85.7mm	Chrysler
868896	4.625in./117.5mm	Dodge	1851535	3.625in./92.1mm	Chrysler

CONNECTING ROD FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
1851535	3.750in./95.3mm	Chrysler	3145808	4.000in./101.6mm	Nash
1851535	4.188in./106.4mm	Chrysler	3145808	4.250in./108mm	American Motors
1947167	3.125in./79.4mm	Chrysler	3172341	3.000in./76.2mm	American Motors
1947167	3.641in./92.5mm	Chrysler	3172341	3.250in./82.6mm	Studebaker
1947167	4.125in./104.8mm	Chrysler	3172341	3.500in./88.9mm	American Motors
1947952	3.125in./79.4mm	Chrysler	3172341	3.906in./99.2mm	American Motors
1947952	3.641in./92.5mm	Chrysler	3173210	3.000in./76.2mm	American Motors
1947952	4.125in./104.8mm	Chrysler	3173210	3.250in./82.6mm	Studebaker
2135419	4.000in./101.6mm	General Motors	3173210	3.500in./88.9mm	American Motors
2205554	3.125in./79.4mm	Chrysler	3173210	3.906in./99.2mm	American Motors
2205554	3.641in./92.5mm	Chrysler	3174472	3.750in./95.3mm	Nash
2205554	4.125in./104.8mm	Chrysler	3174472	4.000in./101.6mm	Nash
2341204	3.813in./96.9mm	General Motors	3174472	4.250in./108mm	American Motors
2341204	4.000in./101.6mm	General Motors	3180444	3.250in./82.6mm	Studebaker
2389554	3.578in./90.8mm	General Motors	3180444	3.500in./88.9mm	American Motors
2406395	3.375in./85.7mm	Chrysler	3182749	3.000in./76.2mm	American Motors
2406395	3.750in./95.3mm	Chrysler	3182749	3.250in./82.6mm	Studebaker
2406395	4.188in./106.4mm	Chrysler	3182749	3.281in./83.34mm	American Motors
2406782	3.313in./84.2mm	Chrysler	3182749	3.438in./87.3mm	American Motors
2406782	3.313in./84.2mm	Dodge	3182749	3.438in./87.33mm	American Motors
2406782	3.375in./85.7mm	Chrysler	3182749	3.500in./88.9mm	American Motors
2406886	3.375in./85.7mm	Chrysler	3182749	3.906in./99.2mm	American Motors
2406886	3.750in./95.3mm	Chrysler	3185281	3.250in./82.6mm	Chevrolet
2406886	4.188in./106.4mm	Chrysler	3191739	3.680in./93.5mm	American Motors
2434826	3.578in./90.8mm	General Motors	3191739	3.680in./93.5mm	International
2448949	3.578in./90.8mm	General Motors	3196750	3.438in./87.3mm	American Motors
2448949	3.859in./98mm	General Motors	3196750	3.438in./87.33mm	American Motors
2468000	3.750in./95.3mm	Chrysler	3197047	3.438in./87.3mm	American Motors
2470891	3.578in./90.8mm	General Motors	3197047	3.438in./87.33mm	American Motors
2474281	3.578in./90.8mm	General Motors	3215845	3.680in./93.5mm	American Motors
2474281	3.859in./98mm	General Motors	3215845	3.680in./93.5mm	International
2477425	3.578in./90.8mm	General Motors	3418645	3.313in./84.2mm	Chrysler
2484084	3.859in./98mm	General Motors	3508419	3.625in./92.1mm	Cadillac
2899496	3.313in./84.2mm	Chrysler	3508991	3.625in./92.1mm	Cadillac
2951260	3.125in./79.4mm	Chrysler	3509004	3.625in./92.1mm	Cadillac
2951260	3.641in./92.5mm	Chrysler	3509547	3.625in./92.1mm	Cadillac
2951260	4.125in./104.8mm	Chrysler	3510082	3.625in./92.1mm	Cadillac
2951908	3.375in./85.7mm	Chrysler	3511503	3.875in./98.4mm	Cadillac
2951908	3.750in./95.3mm	Chrysler	3513058	3.875in./98.4mm	Cadillac
2951908	4.188in./106.4mm	Chrysler	3513058	4.000in./101.6mm	Cadillac
3027104	5.354in./136mm	Cummins	3633111	4.060in./103.1mm	Cadillac
3078328	6.000in./152.4mm	Cummins	3633111	4.300in./109.2mm	Cadillac
3125959	3.750in./95.3mm	Nash	3701491	3.938in./100mm	Chevrolet
3125959	4.000in./101.6mm	Nash	3701890	3.750in./95.3mm	Chevrolet
3125959	4.250in./108mm	American Motors	3701890	3.938in./100mm	Chevrolet
3127770	3.750in./95.3mm	Nash	3702448	3.938in./100mm	Chevrolet
3127770	4.000in./101.6mm	Nash	3703526	3.000in./76.2mm	Chevrolet
3127770	4.250in./108mm	American Motors	3703526	3.250in./82.6mm	Chevrolet
3131804	3.750in./95.3mm	Nash	3703526	3.347in./85mm	Chevrolet
3131804	4.000in./101.6mm	Nash	3703526	3.701in./94mm	Mazda
3131804	4.250in./108mm	American Motors	3703527	3.000in./76.2mm	Chevrolet
3135607	3.750in./95.3mm	Nash	3703527	3.250in./82.6mm	Chevrolet
3135607	4.000in./101.6mm	Nash	3703527	3.347in./85mm	Chevrolet
3135607	4.250in./108mm	American Motors	3703527	3.701in./94mm	Mazda
3144468	3.250in./82.6mm	American Motors	3732717	3.250in./82.6mm	Chevrolet
3144468	3.250in./82.6mm	Jeep	3732717	3.500in./88.9mm	Chevrolet
3144488	3.250in./82.6mm	American Motors	3734627	3.000in./76.2mm	Chevrolet
3144488	3.250in./82.6mm	Jeep	3751142N	3.641in./92.5mm	Chrysler
3145295	3.250in./82.6mm	American Motors	3751142N	4.125in./104.8mm	Chrysler
3145295	3.250in./82.6mm	Jeep	3784000	3.000in./76.2mm	Chevrolet
3145607	3.750in./95.3mm	Nash	3784000	3.250in./82.6mm	Chevrolet
3145607	4.000in./101.6mm	Nash	3784000	3.347in./85mm	Chevrolet
3145607	4.250in./108mm	American Motors	3784000	3.701in./94mm	Mazda
3145608	3.750in./95.3mm	Nash	3788435	3.250in./82.6mm	Chevrolet
3145608	4.000in./101.6mm	Nash	3788435	3.250in./82.6mm	General Motors
3145608	4.250in./108mm	American Motors	3788435	3.250in./82.6mm	Pontiac
3145609	3.750in./95.3mm	Nash	3788435	3.531in./89.7mm	Chevrolet
3145609	4.000in./101.6mm	Nash	3788435	3.531in./89.7mm	Pontiac
3145609	4.250in./108mm	American Motors	3788437	3.250in./82.6mm	Chevrolet
3145808	3.750in./95.3mm	Nash	3788437	3.250in./82.6mm	General Motors

CONNECTING ROD FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
3788437	3.250in./82.6mm	Pontiac	3977110	3.250in./82.6mm	General Motors
3788437	3.531in./89.7mm	Chevrolet	3977110	3.531in./89.7mm	Chevrolet
3788437	3.531in./89.7mm	Pontiac	3977110	3.625in./92.1mm	Chevrolet
3789419	4.125in./104.8mm	Chevrolet	4020888	4.250in./108mm	Allis Chalmers
3789422	4.125in./104.8mm	Chevrolet	4349339	5.563in./141.3mm	Allis Chalmers
3795624	3.250in./82.6mm	Chevrolet	4349339	5.563in./141.3mm	Buda
3795624	3.500in./88.9mm	Chevrolet	4448903	3.189in./81mm	Chrysler
3815281	3.000in./76.2mm	Chevrolet	4500141	4.125in./104.8mm	Allis Chalmers
3815281	3.250in./82.6mm	Chevrolet	4500141	4.125in./104.8mm	Buda
3815281	3.347in./85mm	Chevrolet	4500141	4.375in./111.1mm	Buda
3815281	3.701in./94mm	Mazda	4573149	3.189in./81mm	Chrysler
3817209	2.593in./65.9mm	Chevrolet Corvair	4663422	3.189in./81mm	Chrysler
3817209	2.938in./74.6mm	Chevrolet Corvair	5117002	5.000in./127mm	Detroit Diesel
3817294	2.593in./65.9mm	Chevrolet Corvair	5121248	4.500in./114.3mm	Detroit Diesel
3817294	2.938in./74.6mm	Chevrolet Corvair	5125239	5.000in./127mm	Detroit Diesel
3817297	2.593in./65.9mm	Chevrolet Corvair	5128158	4.500in./114.3mm	Detroit Diesel
3817297	2.938in./74.6mm	Chevrolet Corvair	5133009	4.500in./114.3mm	Detroit Diesel
3819695	2.593in./65.9mm	Chevrolet Corvair	5135051	5.000in./127mm	Detroit Diesel
3819695	2.938in./74.6mm	Chevrolet Corvair	5144384	5.000in./127mm	Detroit Diesel
3820301	5.354in./136mm	Cummins	5144469	5.000in./127mm	Detroit Diesel
3820301R	5.354in./136mm	Cummins	5150059	3.813in./96.9mm	General Motors
3835184	3.750in./95.3mm	Chevrolet	5150059	4.000in./101.6mm	General Motors
3835184	3.938in./100mm	Chevrolet	5150093	5.000in./127mm	Detroit Diesel
3835274	3.750in./95.3mm	Chevrolet	5154265	5.000in./127mm	Detroit Diesel
3835274	3.938in./100mm	Chevrolet	5203385	3.622in./92mm	Chrysler
3835324	3.750in./95.3mm	Chevrolet	6107428	3.813in./96.9mm	General Motors
3835324	3.938in./100mm	Chevrolet	6107428	4.000in./101.6mm	General Motors
3835609	3.750in./95.3mm	Chevrolet	6255633	2.593in./65.9mm	Chevrolet Corvair
3835609	3.938in./100mm	Chevrolet	6255633	2.938in./74.6mm	Chevrolet Corvair
3836410	3.938in./100mm	Chevrolet	6255633	4.000in./101.6mm	General Motors
3836456	3.938in./100mm	Chevrolet	8920131	4.406in./112mm	Detroit Diesel
3836671	3.938in./100mm	Chevrolet	9793328	3.250in./82.6mm	Chevrolet
3836964	3.938in./100mm	Chevrolet	9793328	3.250in./82.6mm	General Motors
3837149	3.250in./82.6mm	Chevrolet	9793328	3.250in./82.6mm	Pontiac
3837419	3.250in./82.6mm	Chevrolet	9793328	3.531in./89.7mm	Chevrolet
3837419	3.250in./82.6mm	General Motors	9793328	3.531in./89.7mm	Pontiac
3837419	3.250in./82.6mm	Pontiac	14018716	2.913in./74mm	Chevrolet
3837419	3.531in./89.7mm	Chevrolet	25509405	3.400in./86.4mm	Buick
3837419	3.531in./89.7mm	Pontiac	31337140	5.000in./127mm	Perkins
3837686	3.250in./82.6mm	Chevrolet	31337180JGSB	5.000in./127mm	Perkins
3837686	3.500in./88.9mm	Chevrolet	31337180JGSB	5.276in./134mm	Perkins
3856239	2.953in./75mm	Chevrolet	31337220	5.000in./127mm	Perkins
3856239	3.650in./92.7mm	Chevrolet	31337240	3.465in./88mm	Perkins
3856239	3.766in./95.7mm	Chevrolet	31337290	4.764in./121mm	Perkins
3856239	4.000in./101.6mm	Chevrolet	31337310	5.000in./127mm	Perkins
3856240	2.953in./75mm	Chevrolet	31337310	5.276in./134mm	Perkins
3856240	3.650in./92.7mm	Chevrolet	390124715	5.320in./135.1mm	Cummins
3856240	3.766in./95.7mm	Chevrolet	.812PIN	3.071in./78mm	Saab
3856240	4.000in./101.6mm	Chevrolet	.875PIN	3.071in./78mm	Saab
3892671	3.438in./87.33mm	Chevrolet	A5554R	6.375in./161.9mm	John Deere
3892671	3.484in./88.5mm	Chevrolet	A24425	5.000in./127mm	Case
3892671	3.504in./89mm	Chevrolet	A27845	5.000in./127mm	Case
3901085	4.724in./120mm	Cummins	A58579	5.000in./127mm	Case
3901566	4.724in./120mm	Cummins	A58789	5.000in./127mm	Case
3916396	3.438in./87.33mm	Chevrolet	A278895	5.000in./127mm	Case
3916396	3.484in./88.5mm	Chevrolet	A	5.000in./127mm	Waukesha
3916396	3.504in./89mm	Chevrolet	A-2551	5.000in./127mm	Cummins
3923282	3.438in./87.33mm	Chevrolet	AEG-521	3.189in./81mm	Austin
3923282	3.484in./88.5mm	Chevrolet	AEG-521	3.189in./81mm	MG
3923282	3.504in./89mm	Chevrolet	B5R	3.500in./88.9mm	Ford
3933174	2.953in./75mm	Chevrolet	B5R	3.656in./92.9mm	Ford
3933174	3.650in./92.7mm	Chevrolet	B5R-6200A	3.656in./92.9mm	Ford
3933174	3.766in./95.7mm	Chevrolet	B7B	2.800in./71.1mm	Buick
3933174	4.000in./101.6mm	Chevrolet	B9NN-6205A	3.600in./91.4mm	Ford
3946841	3.438in./87.33mm	Chevrolet	B9NN-6205A	3.600in./91.4mm	Ford Tractor
3946841	3.484in./88.5mm	Chevrolet	B9TE	3.750in./95.3mm	Ford
3946841	3.504in./89mm	Chevrolet	B9TE	4.200in./106.7mm	Ford
3951629	3.312in./84.1mm	Chevrolet	B9TE	4.500in./114.3mm	Hercules
3951629	3.750in./95.3mm	Chevrolet	B10	2.500in./63.5mm	Ford
3977110	3.250in./82.6mm	Chevrolet	B10	2.938in./74.6mm	Ford

CONNECTING ROD FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
B10	3.125in./79.4mm	Ford	C5TE	3.980in./101.1mm	Ford
B-5708	4.125in./104.8mm	Allis Chalmers	C5TE-6303C	3.188in./80.98mm	Ford
B-5708	4.125in./104.8mm	Buda	C5TE-6303C	3.980in./101.1mm	Ford
B-390124710	5.320in./135.1mm	Cummins	C5TE-A	3.188in./80.98mm	Ford
BD-25A	4.000in./101.6mm	Waukesha	C5TE-A	3.980in./101.1mm	Ford
BD-25C	4.000in./101.6mm	Waukesha	C5TE-B	3.188in./80.98mm	Ford
C0AE	3.500in./88.9mm	Ford	C5TE-B	3.980in./101.1mm	Ford
C0ME	3.703in./94.1mm	Ford	C5TE-F	3.188in./80.98mm	Ford
C1AE	3.609in./91.7mm	Ford	C5TE-F	3.980in./101.1mm	Ford
C1AE	3.609in./91.7mm	Ford Tractor	C5TE-G	3.188in./80.98mm	Ford
C1AE	3.906in./99.2mm	Ford	C5TE-G	3.980in./101.1mm	Ford
C1AE	3.906in./99.2mm	Ford Tractor	C5TZ-A	3.188in./80.98mm	Ford
C1AE	4.031in./102.4mm	Ford	C5TZ-A	3.980in./101.1mm	Ford
C1AE-6205A	3.500in./88.9mm	Ford	C5TZ-B	3.188in./80.98mm	Ford
C1AE-6205C1	4.031in./102.4mm	Ford	C5TZ-B	3.980in./101.1mm	Ford
C1AE-6205D1	3.609in./91.7mm	Ford	C6AE-A	3.984in./101.2mm	Ford
C1AE-6205D1	3.609in./91.7mm	Ford Tractor	C6AE-C	3.500in./88.9mm	Ford
C1AE-6205D1	3.906in./99.2mm	Ford	C6AE-C	3.781in./96mm	Ford
C1AE-6205D1	3.906in./99.2mm	Ford Tractor	C6AE-C	3.984in./101.2mm	Ford
C1AE-A	3.500in./88.9mm	Ford	C6AE-H	3.500in./88.9mm	Ford
C1AE-A	3.781in./96mm	Ford	C7AE-B	3.500in./88.9mm	Ford
C1AE-B	3.781in./96mm	Ford	C7AE-B	3.781in./96mm	Ford
C1DE	2.500in./63.5mm	Ford	C7AE-B	3.984in./101.2mm	Ford
C1DE	2.938in./74.6mm	Ford	C7AE-C	3.984in./101.2mm	Ford
C1DE	3.125in./79.4mm	Ford	C7TE-A	3.500in./88.9mm	Ford
C1TE	4.031in./102.4mm	Ford	C7TE-A	3.984in./101.2mm	Ford
C1TE-C	3.297in./83.8mm	Ford	C7TE-B	3.500in./88.9mm	Ford
C2AE-A	3.100in./78.7mm	Ford	C8AE-A	3.188in./80.98mm	Ford
C2AE-A	3.297in./83.8mm	Ford	C8AE-A	3.980in./101.1mm	Ford
C2AE-A	3.750in./95.3mm	Ford	C8DE	2.870in./72.9mm	Ford
C2AE-B	3.500in./88.9mm	Ford	C8DE	2.953in./75mm	BMW
C2AE-B	3.781in./96mm	Ford	C8DE	3.000in./76.2mm	Ford
C2AE-B	3.984in./101.2mm	Ford	C8OE-A	3.000in./76.2mm	Ford
C2OE	3.000in./76.2mm	Ford	C8TE	3.188in./80.98mm	Ford
C3AE	3.609in./91.7mm	Ford	C8TE	3.980in./101.1mm	Ford
C3AE	3.609in./91.7mm	Ford Tractor	C8TE-A	3.188in./80.98mm	Ford
C3AE	3.906in./99.2mm	Ford	C8TE-A	3.980in./101.1mm	Ford
C3AE	3.906in./99.2mm	Ford Tractor	C8VE	3.000in./76.2mm	Ford
C3AE	4.031in./102.4mm	Ford	C8VE	3.590in./91.2mm	Ford
C3AE-620E1	3.609in./91.7mm	Ford	C8VE	3.850in./97.8mm	Ford
C3AE-620E1	3.609in./91.7mm	Ford Tractor	C8VE-A	3.000in./76.2mm	Ford
C3AE-620E1	3.906in./99.2mm	Ford	C8VE-A	3.590in./91.2mm	Ford
C3AE-620E1	3.906in./99.2mm	Ford Tractor	C8VE-A	3.850in./97.8mm	Ford
C3AE-6200B	3.984in./101.2mm	Ford	C9DE-A	3.906in./99.2mm	Ford
C3AE-6205A	3.984in./101.2mm	Ford	C9OE	3.500in./88.9mm	Ford Windsor
C3AE-A	3.000in./76.2mm	Ford	C20E	2.870in./72.9mm	Ford
C3AE-B	3.781in./96mm	Ford	C20E	2.953in./75mm	BMW
C3AE-B	3.984in./101.2mm	Ford	C30E	2.500in./63.5mm	Ford
C3AE-C	3.500in./88.9mm	Ford	C30E	2.938in./74.6mm	Ford
C3AE-C	3.781in./96mm	Ford	C30E	3.125in./79.4mm	Ford
C3AE-C	3.984in./101.2mm	Ford	C30E-A	3.000in./76.2mm	Ford
C3AE-D	2.870in./72.9mm	Ford	C80E-A	3.000in./76.2mm	Ford
C3AE-D	2.953in./75mm	BMW	C90E	3.500in./88.9mm	Ford Windsor
C3AE-D	3.000in./76.2mm	Ford	C90E	in./mm	Ford Windsor
C3AE-F	3.781in./96mm	Ford	C7917	3.504in./89mm	Acura
C3AE-F	3.984in./101.2mm	Ford	C-126111	4.500in./114.3mm	International
C3AE-J	2.870in./72.9mm	Ford	CODE	2.500in./63.5mm	Ford
C3AE-J	2.953in./75mm	BMW	CODE	2.938in./74.6mm	Ford
C3AE-J	3.000in./76.2mm	Ford	CODE	3.125in./79.4mm	Ford
C3TE	4.031in./102.4mm	Ford	COME6205A	3.703in./94.1mm	Ford
C3VE-A	3.703in./94.1mm	Ford	COME	3.984in./101.2mm	Ford
C3VE-A	3.984in./101.2mm	Ford	CONN	3.600in./91.4mm	Ford
C3VY-6200A	3.703in./94.1mm	Ford	CONN	3.600in./91.4mm	Ford Tractor
C3VY-6200A	3.984in./101.2mm	Ford	D00E-A	3.000in./76.2mm	Ford
C5AE-A	3.188in./80.98mm	Ford	D00E-A	3.590in./91.2mm	Ford
C5AE-A	3.980in./101.1mm	Ford	D00E-A	3.850in./97.8mm	Ford
C5AE-B	3.500in./88.9mm	Ford	D1AE-A	4.000in./101.6mm	Ford
C5AE-B	3.781in./96mm	Ford	D6OE	3.500in./88.9mm	Ford Windsor
C5AE-B	3.984in./101.2mm	Ford	D6VE	3.000in./76.2mm	Ford
C5TE	3.188in./80.98mm	Ford	D6VE	3.590in./91.2mm	Ford

CONNECTING ROD FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
D8BE	2.938in./74.6mm	Ford	EBU-6200A	3.750in./95.3mm	Ford
D8BE	3.125in./79.4mm	Ford	EBU-6205-A	3.750in./95.3mm	Ford
D8BE-6205	2.500in./63.5mm	Ford	ECC	3.100in./78.7mm	Ford
D8BE-6205	2.938in./74.6mm	Ford	ECC	3.297in./83.8mm	Ford
D8BE-6205	3.125in./79.4mm	Ford	ECC	3.750in./95.3mm	Ford
D8DE-AA	3.906in./99.2mm	Ford	ECC-6205A	3.750in./95.3mm	Ford
D9TE	3.000in./76.2mm	Ford	ECC-6205B	3.750in./95.3mm	Ford
D9TE	3.590in./91.2mm	Ford	ECE	3.100in./78.7mm	Ford
D42E-AA	3.125in./79.4mm	Ford	ECE	3.297in./83.8mm	Ford
D60E	3.500in./88.9mm	Ford Windsor	ECE	3.750in./95.3mm	Ford
D60E	in./mm	Ford Windsor	ECE-6205-A	3.750in./95.3mm	Ford
D600D-500	3.980in./101.1mm	Continental	ECS	3.297in./83.8mm	Ford
D600D-500	4.000in./101.6mm	Continental	ECS	3.500in./88.9mm	Ford
D600D-500	4.375in./111.1mm	Continental	ECS	3.656in./92.9mm	Ford
D	3.386in./86mm	Mitsubishi	ECS-F	3.297in./83.8mm	Ford
DA-51-A	3.250in./82.6mm	Wisconsin	ECS-F	3.500in./88.9mm	Ford
DA-51-B	3.250in./82.6mm	Wisconsin	ECS-F	3.656in./92.9mm	Ford
DA-65	3.250in./82.6mm	Military Standard	ECZ	3.438in./87.3mm	Ford
DA-65	3.250in./82.6mm	Wisconsin	ECZ-6205B	3.438in./87.3mm	Ford
DA-66-A-4	4.000in./101.6mm	Wisconsin	ECZ-6205B	3.750in./95.3mm	Ford
DDN-6200-B	4.527in./115mm	Ford	EDC	3.100in./78.7mm	Ford
DDN-6200-B	4.527in./115mm	Ford Tractor	EDC	3.297in./83.8mm	Ford
DDN-6200-B	4.527in./115mm	Fordson Tractor	EDC	3.500in./88.9mm	Ford
DDN-6205-B	4.527in./115mm	Ford	EDC	3.750in./95.3mm	Ford
DDN-6205-B	4.527in./115mm	Ford Tractor	EDC-6205A	3.750in./95.3mm	Ford
DDN-6205-B	4.527in./115mm	Fordson Tractor	EDL	3.750in./95.3mm	Ford
DOAE-A	3.500in./88.9mm	Ford Cleveland	EDL	4.200in./106.7mm	Ford
E1ADDN-6205	4.527in./115mm	Ford	EDL	4.500in./114.3mm	Hercules
E1ADDN-6205	4.527in./115mm	Ford Tractor	F218D-3020	4.375in./111.1mm	Continental
E1ADDN-6205	4.527in./115mm	Fordson Tractor	F218D-3022	3.980in./101.1mm	Continental
E2AE-AC	3.386in./86mm	Ford	F218D-3022	4.375in./111.1mm	Continental
E6AE-AB	3.150in./80mm	Ford	F218D-3032	3.980in./101.1mm	Continental
E43E-AA	3.125in./79.4mm	Ford	F218D-3032	4.375in./111.1mm	Continental
E49	3.703in./94.1mm	Ford	F226-400	4.375in./111.1mm	Continental
E 0352 018	3.071in./78mm	Ford	F226D-400	4.375in./111.1mm	Continental
EAA	3.609in./91.7mm	Ford	F226D-500	4.375in./111.1mm	Continental
EAA	3.609in./91.7mm	Ford Tractor	F400D-500	4.375in./111.1mm	Continental
EAA	3.906in./99.2mm	Ford	F400D-502	3.980in./101.1mm	Continental
EAA	3.906in./99.2mm	Ford Tractor	F400D-502	4.000in./101.6mm	Continental
EAA-6200	3.600in./91.4mm	Ford	F400D-502	4.375in./111.1mm	Continental
EAA-6200	3.600in./91.4mm	Ford Tractor	F600D-210	4.375in./111.1mm	Continental
EAA-6200B	3.609in./91.7mm	Ford	F600D-310	4.375in./111.1mm	Continental
EAA-6200B	3.609in./91.7mm	Ford Tractor	F600D-400	4.375in./111.1mm	Continental
EAA-6200B	3.906in./99.2mm	Ford	F600D-402	4.375in./111.1mm	Continental
EAA-6200B	3.906in./99.2mm	Ford Tractor	F600D-405	4.375in./111.1mm	Continental
EAA-6205	3.600in./91.4mm	Ford	F600D-500	3.980in./101.1mm	Continental
EAA-6205	3.600in./91.4mm	Ford Tractor	F600D-500	4.000in./101.6mm	Continental
EAA-6205A	3.609in./91.7mm	Ford	F600D-500	4.375in./111.1mm	Continental
EAA-6205A	3.609in./91.7mm	Ford Tractor	F600D-502	3.980in./101.1mm	Continental
EAA-6205A	3.906in./99.2mm	Ford	F600D-502	4.375in./111.1mm	Continental
EAA-6205A	3.906in./99.2mm	Ford Tractor	F600G-402	4.375in./111.1mm	Continental
EAA-A	3.609in./91.7mm	Ford	F1047B	6.375in./161.9mm	John Deere
EAA-A	3.609in./91.7mm	Ford Tractor	F1047R	6.375in./161.9mm	John Deere
EAA-A	3.906in./99.2mm	Ford	F1792R	6.375in./161.9mm	John Deere
EAA-A	3.906in./99.2mm	Ford Tractor	F2432R	6.375in./161.9mm	John Deere
EAA-B	3.609in./91.7mm	Ford	F2712R	6.375in./161.9mm	John Deere
EAA-B	3.609in./91.7mm	Ford Tractor	F	3.386in./86mm	Mitsubishi
EAA-B	3.906in./99.2mm	Ford	FD-59998R1	4.125in./104.8mm	International
EAA-B	3.906in./99.2mm	Ford Tractor	FD-59998R1	4.500in./114.3mm	International
EAD	3.297in./83.8mm	Ford	FM3066	3.622in./92mm	Isuzu
EAD	3.656in./92.9mm	Ford	FM3234	3.622in./92mm	Isuzu
EAD-6200D	3.297in./83.8mm	Ford	G181-501M	4.375in./111.1mm	Continental
EAD-6200D	3.500in./88.9mm	Ford	G181D-501M	4.375in./111.1mm	Continental
EAD-6200D	3.656in./92.9mm	Ford	G-124	2.441in./62mm	Austin
EAD-6205A	3.297in./83.8mm	Ford	G-124	2.677in./68mm	Austin
EAD-6205A	3.500in./88.9mm	Ford	G-124	2.992in./76mm	Austin
EAD-6205A	3.656in./92.9mm	Ford	G-124	3.189in./81mm	Austin
EBU	3.100in./78.7mm	Ford	G-124	3.189in./81mm	MG
EBU	3.297in./83.8mm	Ford	G-124	3.307in./84mm	Austin
EBU	3.750in./95.3mm	Ford	G-124	3.307in./84mm	MG

CONNECTING ROD FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
G-127	2.441in./62mm	Austin	PR4	3.504in./89mm	Acura
G-127	2.677in./68mm	Austin	R26046R	4.000in./101.6mm	John Deere
G-127	2.992in./76mm	Austin	R40238	5.000in./127mm	John Deere
G-127	3.189in./81mm	Austin	RFF1AE6205-AD	3.542in./90mm	Ford
G-127	3.189in./81mm	MG	S	3.386in./86mm	Mitsubishi
G-127	3.307in./84mm	Austin	T454T	3.500in./88.9mm	John Deere
G-127	3.307in./84mm	MG	U3988	4.500in./114.3mm	Allis Chalmers
G-11176	4.125in./104.8mm	Case	U-2354	6.000in./152.4mm	Cummins
G-11176	4.391in./111.5mm	International	U-3190	4.000in./101.6mm	Allis Chalmers
G-11723	4.125in./104.8mm	Case	U-3988	4.500in./114.3mm	Allis Chalmers
G-11723	4.391in./111.5mm	International	V45	3.875in./98.4mm	International
H-2354	6.000in./152.4mm	Cummins	VT-3200	3.750in./95.3mm	Case
H-2457	6.000in./152.4mm	Cummins	VT-4538	3.750in./95.3mm	Case
H-90146	6.000in./152.4mm	Cummins	Y400D-400	3.500in./88.9mm	Continental
L478C-400	4.875in./123.8mm	Continental	Y400D-401	3.500in./88.9mm	Continental
M29T	4.000in./101.6mm	John Deere	Y400D-402	3.500in./88.9mm	Continental
M1691T	4.000in./101.6mm	John Deere	Y400D-403	3.500in./88.9mm	Continental
MT	4.000in./101.6mm	John Deere	YC115	3.250in./82.6mm	General Motors
N56D-400	3.500in./88.9mm	Continental	YC115	3.250in./82.6mm	Pontiac
N62D-400	3.500in./88.9mm	Continental	Z120D-500	3.750in./95.3mm	Continental
N560-400-0	3.500in./88.9mm	Continental	Z120D-500	3.875in./98.4mm	Continental
PH7	2.953in./75mm	Acura	ZN115	3.563in./90.5mm	General Motors
PH7	2.953in./75mm	Honda	ZN115	3.563in./90.5mm	Pontiac

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
0-123-1	6.000in./152.4mm	Cummins	10-B	3.386in./86mm	Mitsubishi
0-191561	3.500in./88.9mm	Chevrolet	10-B	3.484in./88.5mm	Chevrolet
003K	2.831in./71.9mm	Ford	101109	5.000in./127mm	Cummins
003K	2.992in./76mm	Mitsubishi	101109	6.000in./152.4mm	Cummins
003K	3.031in./77mm	Mazda	101A	3.307in./84mm	Audi
003K	3.150in./80mm	Chevrolet	103427	3.750in./95.3mm	Pontiac
003K	3.228in./82mm	Nissan	1054-1B	5.000in./127mm	Cummins
003K	3.386in./86mm	Mitsubishi	106071	5.000in./127mm	Cummins
003K	3.484in./88.5mm	Chevrolet	1074	in./mm	Ford
003N	2.831in./71.9mm	Ford	10801280	3.622in./92mm	Triumph
003N	2.992in./76mm	Mitsubishi	108012106	3.622in./92mm	Triumph
003N	3.031in./77mm	Mazda	10846	6.000in./152.4mm	Cummins
003N	3.150in./80mm	Chevrolet	10974	5.000in./127mm	Cummins
003N	3.228in./82mm	Nissan	10A-10247	5.000in./127mm	Minneapolis Moline
003N	3.386in./86mm	Mitsubishi	10A-12751	5.000in./127mm	Minneapolis Moline
003N	3.484in./88.5mm	Chevrolet	10A-2700	5.000in./127mm	Minneapolis Moline
010700	3.750in./95.3mm	Ford	10A-5099	5.000in./127mm	Minneapolis Moline
010700	5.000in./127mm	Case	10A-6032	5.000in./127mm	Minneapolis Moline
010700AB	3.750in./95.3mm	Ford	11	2.598in./66mm	Toyota
010700AB	5.000in./127mm	Case	11	3.150in./80mm	Toyota
01355011D	5.000in./127mm	Waukesha	11-448510	2.625in./66.7mm	Ford
017	3.000in./76.2mm	Pontiac	11-G	3.150in./80mm	Toyota
0200011	in./mm	Waukesha	11054	5.000in./127mm	Cummins
0200011	8.500in./215.9mm	Waukesha	11054-1	5.000in./127mm	Cummins
020201A1	2.831in./71.9mm	Ford	11054-1B	5.000in./127mm	Cummins
020201A1	2.992in./76mm	Mitsubishi	11054-B	5.000in./127mm	Cummins
020201A1	3.031in./77mm	Mazda	110760	5.000in./127mm	Cummins
020201A1	3.150in./80mm	Chevrolet	110760	6.000in./152.4mm	Cummins
020201A1	3.228in./82mm	Nissan	111786	5.000in./127mm	Cummins
020201A1	3.386in./86mm	Mitsubishi	111786	6.000in./152.4mm	Cummins
020201A1	3.484in./88.5mm	Chevrolet	111787	3.441in./87.4mm	Cummins
0290	3.313in./84.2mm	Chrysler	111787	6.000in./152.4mm	Cummins
0290	3.701in./94mm	Mazda	112330	5.000in./127mm	Cummins
0324	2.992in./76mm	Mazda	1130	3.250in./82.6mm	Chevrolet
035D	3.386in./86mm	Audi	1130	3.701in./94mm	Mazda
035D	3.386in./86mm	Volkswagen	1133	in./mm	Ford
0363	4.125in./104.8mm	Chevrolet	1139-A3	4.125in./104.8mm	Reo
049F	3.386in./86mm	Volkswagen	1140N	2.992in./76mm	Chevrolet
05844	6.500in./165.1mm	Allis Chalmers	116447H	4.500in./114.3mm	International
05844	6.500in./165.1mm	Buda	1173217	3.400in./86.4mm	Buick
059A	3.307in./84mm	Audi	1173341	3.400in./86.4mm	Buick
059D	3.307in./84mm	Audi	1174N	2.831in./71.9mm	Ford
064105101	3.307in./84mm	Audi	1174N	2.992in./76mm	Mitsubishi
0819	3.500in./88.9mm	Chevrolet	1174N	3.031in./77mm	Mazda
0970DAB	5.000in./127mm	Case	1174N	3.150in./80mm	Chevrolet
09N	2.831in./71.9mm	Ford	1174N	3.228in./82mm	Nissan
09N	2.992in./76mm	Mitsubishi	1174N	3.386in./86mm	Mitsubishi
09N	3.031in./77mm	Mazda	1174N	3.484in./88.5mm	Chevrolet
09N	3.150in./80mm	Chevrolet	1178	3.000in./76.2mm	Chevrolet
09N	3.228in./82mm	Nissan	1178	3.250in./82.6mm	Chevrolet
09N	3.386in./86mm	Mitsubishi	1178	3.347in./85mm	Chevrolet
09N	3.484in./88.5mm	Chevrolet	1178	3.701in./94mm	Mazda
1	2.756in./70mm	Toyota	1182	3.250in./82.6mm	Chevrolet
1-0-2340	2.638in./67mm	Nissan	1182	3.438in./87.33mm	Chevrolet
1-0-2340	2.886in./73.3mm	Nissan	1182	3.484in./88.5mm	Chevrolet
1-1	3.386in./86mm	Nissan	1182	3.504in./89mm	Chevrolet
1.9	2.831in./71.9mm	Ford	118528H	4.500in./114.3mm	International
1.9	2.992in./76mm	Mitsubishi	118528H	5.250in./133.4mm	International
1.9	3.031in./77mm	Mazda	118530H	3.750in./95.3mm	International
1.9	3.150in./80mm	Chevrolet	118530H	5.000in./127mm	International
1.9	3.228in./82mm	Nissan	118530R1	4.313in./109.6mm	International
1.9	3.386in./86mm	Mitsubishi	1185539	3.640in./92.5mm	Buick
1.9	3.484in./88.5mm	Chevrolet	1185539	4.625in./117.5mm	Chrysler
10	2.756in./70mm	Toyota	1185539	4.625in./117.5mm	Dodge
10-1	3.071in./78mm	Nissan	1186538	3.400in./86.4mm	Buick
10-B	2.831in./71.9mm	Ford	1189-A3	4.125in./104.8mm	Reo
10-B	2.992in./76mm	Mitsubishi	1193645	2.800in./71.1mm	Buick
10-B	3.031in./77mm	Mazda	11C-74	2.677in./68mm	Austin
10-B	3.150in./80mm	Chevrolet	11C-74	2.992in./76mm	Austin
10-B	3.228in./82mm	Nissan	11C-74	2.992in./76mm	MG

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
11F-74-CF	3.500in./88.9mm	Austin	13111-03010-D	4.180in./106.2mm	Navistar
11F-74-CF	3.504in./89mm	MG	13111-03010-D	6.000in./152.4mm	Cummins
11F-74-CF	3.504in./89mm	Morris	131440R3	3.750in./95.3mm	International
11G-74	2.677in./68mm	Austin	1316540	4.375in./111.1mm	Chrysler
11G-74	2.992in./76mm	Austin	131850R1	5.250in./133.4mm	International
11G-74	2.992in./76mm	MG	13241	3.071in./78mm	Nissan
11G-74-CF	3.500in./88.9mm	Austin	1330331F	4.000in./101.6mm	Nash
11G-74-CF	3.504in./89mm	MG	133440R1	3.750in./95.3mm	International
11G-74-CF	3.504in./89mm	Morris	133440R3	3.750in./95.3mm	International
11M	2.831in./71.9mm	Ford	133441R1	4.313in./109.6mm	International
11M	2.992in./76mm	Chevrolet	133441R3	4.313in./109.6mm	International
11M	2.992in./76mm	Mitsubishi	1335001	3.625in./92.1mm	Chrysler
11M	3.031in./77mm	Mazda	133894R1	4.313in./109.6mm	International
11M	3.150in./80mm	Chevrolet	133894R3	4.313in./109.6mm	International
11M	3.228in./82mm	Nissan	133894R4	4.313in./109.6mm	International
11M	3.386in./86mm	Mitsubishi	1342999	3.200in./81.3mm	Buick
11M	3.484in./88.5mm	Chevrolet	1349429	3.200in./81.3mm	Buick
11M	3.583in./91mm	Toyota	1349929	3.200in./81.3mm	Buick
11M	4.180in./106.2mm	Navistar	135011	5.000in./127mm	Waukesha
11M	6.000in./152.4mm	Cummins	135030	6.000in./152.4mm	Cummins
11M-14	2.992in./76mm	Chevrolet	135411	3.484in./88.5mm	Chevrolet
11M-14	3.228in./82mm	Nissan	1354N	3.484in./88.5mm	Chevrolet
11M-14	3.583in./91mm	Toyota	135580	5.000in./127mm	Cummins
11M-14	4.180in./106.2mm	Navistar	135581	5.000in./127mm	Cummins
11M-14	6.000in./152.4mm	Cummins	1357898	3.400in./86.4mm	Buick
12	3.150in./80mm	Toyota	1357899	3.400in./86.4mm	Buick
121610	6.000in./152.4mm	Cummins	1361798	3.640in./92.5mm	Buick
12231	3.578in./90.8mm	General Motors	136530	6.000in./152.4mm	Cummins
1224-A3	4.125in./104.8mm	Reo	1375802	3.385in./86mm	Oldsmobile
123011G	6.500in./165.1mm	Waukesha	1375802	3.531in./89.7mm	Chevrolet
123011GSA	6.500in./165.1mm	Waukesha	1375809	3.850in./97.8mm	Buick
123011T	6.500in./165.1mm	Waukesha	1378346	3.850in./97.8mm	Buick
123011U	6.500in./165.1mm	Waukesha	1378350	3.400in./86.4mm	Buick
123380	6.000in./152.4mm	Cummins	1378351	3.400in./86.4mm	Buick
123400	6.000in./152.4mm	Cummins	1378354	3.400in./86.4mm	Buick
123410	5.000in./127mm	Cummins	1378436	3.850in./97.8mm	Buick
123410	6.000in./152.4mm	Cummins	1379242	3.900in./99mm	Buick
123420	6.000in./152.4mm	Cummins	1396294	3.640in./92.5mm	Buick
123441R3	4.313in./109.6mm	International	1398346	3.385in./86mm	Oldsmobile
1235413	3.160in./80.3mm	Buick	1398346	3.531in./89.7mm	Chevrolet
1235419	3.385in./86mm	Oldsmobile	1400188	4.750in./120.7mm	Chrysler
1235419	3.531in./89.7mm	Chevrolet	1400188	in./mm	Chrysler
1235419	3.850in./97.8mm	Buick	140025D	4.250in./108mm	Hercules
125211-A	6.500in./165.1mm	Waukesha	140025D	4.500in./114.3mm	Hercules
125211-D	6.500in./165.1mm	Waukesha	140026D	4.250in./108mm	Hercules
1252126	2.795in./71mm	BMW	1400718	4.750in./120.7mm	Chrysler
1252126	3.150in./80mm	BMW	1400718	in./mm	Chrysler
1254083	3.400in./86.4mm	Buick	140111-B	5.500in./139.7mm	Waukesha
12552216	3.622in./92mm	Chevrolet	140111-C	5.500in./139.7mm	Waukesha
12553482	3.268in./83mm	Chevrolet	140111-J	5.500in./139.7mm	Waukesha
1255645	3.400in./86.4mm	Buick	14018705	2.913in./74mm	Chevrolet
1255646	3.400in./86.4mm	Buick	14024236	3.819in./97mm	Chevrolet
1255674	3.400in./86.4mm	Buick	1402538	3.250in./82.6mm	Chrysler
1255846	3.400in./86.4mm	Buick	1402625	3.250in./82.6mm	Chrysler
1255862	3.400in./86.4mm	Buick	140311	5.500in./139.7mm	Waukesha
1257125	3.400in./86.4mm	Buick	1409421	3.625in./92.1mm	Chrysler
125932R1	4.500in./114.3mm	International	14096	3.600in./91.4mm	Chevrolet
1260718	3.850in./97.8mm	Buick	140N	2.992in./76mm	Chevrolet
1260877	3.400in./86.4mm	Buick	140N	3.228in./82mm	Nissan
1261119	3.850in./97.8mm	Buick	140N	3.583in./91mm	Toyota
1261438	3.400in./86.4mm	Buick	140N	4.180in./106.2mm	Navistar
1261787	3.400in./86.4mm	Buick	140N	6.000in./152.4mm	Cummins
1282-1	6.000in./152.4mm	Cummins	141779R1	4.125in./104.8mm	International
1285-1	6.000in./152.4mm	Cummins	141780R1	4.125in./104.8mm	International
129532R1	4.500in./114.3mm	International	1419421	3.625in./92.1mm	Chrysler
130186	5.000in./127mm	Cummins	142690	4.125in./104.8mm	Cummins
130186	6.000in./152.4mm	Cummins	142770	6.000in./152.4mm	Cummins
13111-03010-D	2.992in./76mm	Chevrolet	142960	6.000in./152.4mm	Cummins
13111-03010-D	3.228in./82mm	Nissan	143	3.484in./88.5mm	Chevrolet
13111-03010-D	3.583in./91mm	Toyota	143140	6.000in./152.4mm	Cummins

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
14401G	6.000in./152.4mm	Cummins	1635690	3.800in./96.5mm	Chrysler
145480	4.125in./104.8mm	Cummins	1646737	3.307in./84mm	Cadillac
1455101	3.625in./92.1mm	Cadillac	1650270	3.313in./84.2mm	Chrysler
145830	4.125in./104.8mm	Cummins	1650270	3.313in./84.2mm	Dodge
145840	4.125in./104.8mm	Cummins	166088R1	4.125in./104.8mm	International
1462473	3.625in./92.1mm	Cadillac	1671108	3.250in./82.6mm	Chrysler
1463340	3.625in./92.1mm	Cadillac	1673755	3.906in./99.2mm	Chrysler
1463473	3.625in./92.1mm	Cadillac	17	2.756in./70mm	Toyota
146450	5.000in./127mm	Cummins	1731658	3.250in./82.6mm	Chrysler
146460	6.000in./152.4mm	Cummins	1732557	3.125in./79.4mm	Chrysler
1467292	4.060in./103.1mm	Cadillac	1732557	3.313in./84.2mm	Chrysler
1467925	3.875in./98.4mm	Cadillac	1732557	3.313in./84.2mm	Dodge
1469263	3.875in./98.4mm	Cadillac	1732559	3.313in./84.2mm	Chrysler
1469265	3.875in./98.4mm	Cadillac	1732559	3.313in./84.2mm	Dodge
147	3.484in./88.5mm	Chevrolet	1732610	3.313in./84.2mm	Chrysler
1477634	3.875in./98.4mm	Cadillac	1732610	3.313in./84.2mm	Dodge
1481021	4.000in./101.6mm	Cadillac	1736044	3.800in./96.5mm	Chrysler
1481267	4.000in./101.6mm	Cadillac	1737641	3.375in./85.7mm	Chrysler
1483338	3.250in./82.6mm	Chrysler	1737642	3.375in./85.7mm	Chrysler
148350	4.125in./104.8mm	Cummins	1737642	3.750in./95.3mm	Chrysler
1486340	4.000in./101.6mm	Cadillac	1737642	4.188in./106.4mm	Chrysler
1486424	4.060in./103.1mm	Cadillac	1739538	3.800in./96.5mm	Chrysler
1488340	4.000in./101.6mm	Cadillac	1739589	4.625in./117.5mm	Chrysler
1491421	3.625in./92.1mm	Chrysler	1739589	4.625in./117.5mm	Dodge
1495094	4.300in./109.2mm	Cadillac	1746N	2.992in./76mm	Triumph
1495095	4.300in./109.2mm	Cadillac	1746N	3.071in./78mm	Triumph
1496793	4.300in./109.2mm	Cadillac	176524	4.000in./101.6mm	Studebaker
151045R1	3.219in./81.8mm	International	176H	2.992in./76mm	Chevrolet
151046R1	3.219in./81.8mm	International	176H	3.228in./82mm	Nissan
151046R2	3.219in./81.8mm	International	176H	3.583in./91mm	Toyota
151327R1	2.750in./69.9mm	Briggs & Stratton	176H	4.180in./106.2mm	Navistar
151327R1	3.656in./92.9mm	International	176H	6.000in./152.4mm	Cummins
151327R2	2.750in./69.9mm	Briggs & Stratton	1784YD	4.500in./114.3mm	International
151327R2	3.656in./92.9mm	International	1784YF	4.125in./104.8mm	International
151328R2	2.750in./69.9mm	Briggs & Stratton	1784YG	4.125in./104.8mm	International
151328R2	3.656in./92.9mm	International	1784YH	4.125in./104.8mm	International
1523335	3.625in./92.1mm	Chrysler	1784YK	4.125in./104.8mm	International
1547105	4.000in./101.6mm	Studebaker	1784YM	4.125in./104.8mm	International
155025E	4.250in./108mm	Hercules	1784YP	4.125in./104.8mm	International
155026E	4.250in./108mm	Hercules	1792-A3	4.125in./104.8mm	Reo
1550774	4.000in./101.6mm	Studebaker	1792-A3	4.250in./108mm	Reo
1557708	4.625in./117.5mm	Chrysler	1792-A3	4.703in./119.5mm	Reo
1557708	4.625in./117.5mm	Dodge	1792-A3	in./mm	Reo
156025E	4.250in./108mm	Hercules	179440	4.125in./104.8mm	Cummins
156290	5.000in./127mm	Cummins	179450	4.125in./104.8mm	Cummins
156920	4.125in./104.8mm	Cummins	17M	2.992in./76mm	Chevrolet
158370	4.125in./104.8mm	Cummins	17M	3.228in./82mm	Nissan
159620	4.125in./104.8mm	Cummins	17M	3.583in./91mm	Toyota
160211	3.500in./88.9mm	Waukesha	17M	4.180in./106.2mm	Navistar
1609142R	4.060in./103.1mm	Cadillac	17M	6.000in./152.4mm	Cummins
161360	4.125in./104.8mm	Cummins	18-1	3.071in./78mm	Nissan
1617184	3.625in./92.1mm	Chrysler	1802224C92	2.992in./76mm	Chevrolet
1617590	3.307in./84mm	Cadillac	1802224C92	3.228in./82mm	Nissan
161960	4.125in./104.8mm	Cummins	1802224C92	3.583in./91mm	Toyota
1619647	3.625in./92.1mm	Chrysler	1802224C92	4.180in./106.2mm	Navistar
162168	6.000in./152.4mm	Cummins	1802224C92	6.000in./152.4mm	Cummins
162186	6.000in./152.4mm	Cummins	1802224C93	2.992in./76mm	Chevrolet
162187	6.000in./152.4mm	Cummins	1802224C93	3.228in./82mm	Nissan
1626123	3.313in./84.2mm	Chrysler	1802224C93	3.583in./91mm	Toyota
1626123	3.313in./84.2mm	Dodge	1802224C93	4.180in./106.2mm	Navistar
1629091	3.307in./84mm	Cadillac	1802224C93	6.000in./152.4mm	Cummins
162C-500	3.500in./88.9mm	Continental	1803420C1	2.992in./76mm	Chevrolet
1630270	3.313in./84.2mm	Chrysler	1803420C1	3.228in./82mm	Nissan
1630270	3.313in./84.2mm	Dodge	1803420C1	3.583in./91mm	Toyota
1630276	3.313in./84.2mm	Chrysler	1803420C1	4.180in./106.2mm	Navistar
1630276	3.313in./84.2mm	Dodge	1803420C1	6.000in./152.4mm	Cummins
1630432	3.800in./96.5mm	Chrysler	1805420C1	2.992in./76mm	Chevrolet
1630937	3.125in./79.4mm	Chrysler	1805420C1	3.000in./76.2mm	Ford
1632077	3.125in./79.4mm	Chrysler	1805420C1	3.031in./77mm	Toyota
1635690	3.625in./92.1mm	Chrysler	1805420C1	3.228in./82mm	Isuzu

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
1805420C1	3.228in./82mm	Nissan	188A	3.031in./77mm	Toyota
1805420C1	3.583in./91mm	Toyota	188A	3.228in./82mm	Isuzu
1805420C1	3.622in./92mm	Chrysler	188A	3.622in./92mm	Chrysler
1805420C1	3.906in./99.2mm	Ford	188A	3.906in./99.2mm	Ford
1805420C1	4.000in./101.6mm	Chevrolet	188A	4.000in./101.6mm	Chevrolet
1805420C1	4.180in./106.2mm	Navistar	188A	4.180in./106.2mm	Navistar
1805420C1	5.085in./129.2mm	International	188A	5.085in./129.2mm	International
1805420C1	5.350in./135.9mm	International	188A	5.350in./135.9mm	International
1805420C1	6.000in./152.4mm	Cummins	189517	4.000in./101.6mm	Studebaker
180590	3.625in./92.1mm	Studebaker	189986	4.000in./101.6mm	Studebaker
180590	4.000in./101.6mm	General Motors	190111	4.000in./101.6mm	Waukesha
1809954C1	3.000in./76.2mm	Ford	190211	4.000in./101.6mm	Waukesha
1809954C1	3.031in./77mm	Toyota	191211	4.000in./101.6mm	Waukesha
1809954C1	3.228in./82mm	Isuzu	191311	4.000in./101.6mm	Waukesha
1809954C1	3.622in./92mm	Chrysler	192211B	3.750in./95.3mm	Waukesha
1809954C1	3.906in./99.2mm	Ford	192211B	4.000in./101.6mm	Waukesha
1809954C1	4.000in./101.6mm	Chevrolet	1932610	3.250in./82.6mm	Chrysler
1809954C1	4.180in./106.2mm	Navistar	195111	4.000in./101.6mm	Studebaker
1809954C1	5.085in./129.2mm	International	195111	4.000in./101.6mm	Waukesha
1809954C1	5.350in./135.9mm	International	195311	3.750in./95.3mm	Waukesha
181211	3.750in./95.3mm	Waukesha	195311	4.000in./101.6mm	Waukesha
1812320C91	3.000in./76.2mm	Ford	1978698	3.375in./85.7mm	Chrysler
1812320C91	3.031in./77mm	Toyota	1978698	3.750in./95.3mm	Chrysler
1812320C91	3.228in./82mm	Isuzu	1978698	4.188in./106.4mm	Chrysler
1812320C91	3.622in./92mm	Chrysler	199966	4.000in./101.6mm	Studebaker
1812320C91	3.906in./99.2mm	Ford	19N	2.992in./76mm	Mitsubishi
1812320C91	4.000in./101.6mm	Chevrolet	1A	3.000in./76.2mm	Ford
1812320C91	4.180in./106.2mm	Navistar	1A	3.031in./77mm	Toyota
1812320C91	5.085in./129.2mm	International	1A	3.228in./82mm	Isuzu
1812320C91	5.350in./135.9mm	International	1A	3.622in./92mm	Chrysler
181411	3.750in./95.3mm	Waukesha	1A	3.906in./99.2mm	Ford
181411-A	3.750in./95.3mm	Waukesha	1A	4.000in./101.6mm	Chevrolet
1816975C1	3.000in./76.2mm	Ford	1A	4.180in./106.2mm	Navistar
1816975C1	3.031in./77mm	Toyota	1A	5.350in./135.9mm	International
1816975C1	3.228in./82mm	Isuzu	1AA	3.000in./76.2mm	Ford
1816975C1	3.622in./92mm	Chrysler	1AA	3.031in./77mm	Toyota
1816975C1	3.906in./99.2mm	Ford	1AA	3.228in./82mm	Isuzu
1816975C1	4.000in./101.6mm	Chevrolet	1AA	3.622in./92mm	Chrysler
1816975C1	4.180in./106.2mm	Navistar	1AA	3.906in./99.2mm	Ford
1816975C1	5.085in./129.2mm	International	1AA	4.000in./101.6mm	Chevrolet
1816975C1	5.350in./135.9mm	International	1AA	4.180in./106.2mm	Navistar
1818200C3	4.180in./106.2mm	International	1AA	5.085in./129.2mm	International
182111	3.750in./95.3mm	Waukesha	1AA	5.350in./135.9mm	International
1821436	3.375in./85.7mm	Chrysler	1B	3.150in./80mm	Toyota
1821436	3.750in./95.3mm	Chrysler	1BA	3.750in./95.3mm	Ford
1821436	4.188in./106.4mm	Chrysler	1BA-6303-A	3.750in./95.3mm	Ford
182240	4.125in./104.8mm	Cummins	1BA-6303-B	3.750in./95.3mm	Ford
182250	4.125in./104.8mm	Cummins	1D	3.125in./79.4mm	Ford
1826123	3.313in./84.2mm	Chrysler	1F	2.500in./63.5mm	Ford
1826123	3.313in./84.2mm	Dodge	1F	2.938in./74.6mm	Ford
1826129	3.313in./84.2mm	Chrysler	1F	3.125in./79.4mm	Ford
1826129	3.313in./84.2mm	Dodge	1G	2.500in./63.5mm	Ford
1830276	3.313in./84.2mm	Chrysler	1G	2.938in./74.6mm	Ford
1830276	3.313in./84.2mm	Dodge	1G	3.125in./79.4mm	Ford
185111	3.750in./95.3mm	Waukesha	1G5B	2.992in./76mm	Triumph
1851436	3.375in./85.7mm	Chrysler	1G5B	3.071in./78mm	Triumph
1851436	3.750in./95.3mm	Chrysler	1H	2.500in./63.5mm	Ford
1851436	4.188in./106.4mm	Chrysler	1H	2.938in./74.6mm	Ford
1851527	3.375in./85.7mm	Chrysler	1H	3.125in./79.4mm	Ford
1851527	3.750in./95.3mm	Chrysler	1HA	2.500in./63.5mm	Ford
1851527	4.188in./106.4mm	Chrysler	1HA	2.938in./74.6mm	Ford
1855127	3.375in./85.7mm	Chrysler	1HA	3.125in./79.4mm	Ford
1855127	3.750in./95.3mm	Chrysler	1J	3.000in./76.2mm	Ford
1855127	4.188in./106.4mm	Chrysler	1K	3.500in./88.9mm	Ford
186211	3.750in./95.3mm	Waukesha	1KA	3.500in./88.9mm	Ford
186211-A	3.750in./95.3mm	Waukesha	1L	3.188in./80.98mm	Ford
186311	3.750in./95.3mm	Waukesha	1L	3.980in./101.1mm	Ford
186433	4.000in./101.6mm	Studebaker	1LA	3.188in./80.98mm	Ford
187111	3.750in./95.3mm	Waukesha	1LA	3.980in./101.1mm	Ford
188A	3.000in./76.2mm	Ford	1LAB	3.188in./80.98mm	Ford

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
1LAB	3.980in./101.1mm	Ford	2136119	4.000in./101.6mm	General Motors
1M	2.870in./72.9mm	Ford	2144958	3.813in./96.9mm	General Motors
1M	2.953in./75mm	BMW	2191127	3.813in./96.9mm	General Motors
1M	3.000in./76.2mm	Ford	2192941	4.000in./101.6mm	General Motors
1MA	2.870in./72.9mm	Ford	2194012	4.000in./101.6mm	General Motors
1MA	2.953in./75mm	BMW	2194570	4.000in./101.6mm	General Motors
1MA	3.000in./76.2mm	Ford	2194958	4.000in./101.6mm	General Motors
1N	3.188in./80.98mm	Ford	22-0	2.638in./67mm	Nissan
1N	3.980in./101.1mm	Ford	2202250	4.250in./108mm	Hercules
1NA	3.188in./80.98mm	Ford	2203155	3.375in./85.7mm	Chrysler
1NA	3.980in./101.1mm	Ford	2203157	3.375in./85.7mm	Chrysler
1NAB	3.188in./80.98mm	Ford	220426C	4.500in./114.3mm	Hercules
1NAB	3.980in./101.1mm	Ford	2205554	4.125in./104.8mm	Chrysler
1NABC	3.188in./80.98mm	Ford	2205700	3.313in./84.2mm	Chrysler
1NABC	3.980in./101.1mm	Ford	2205700	3.313in./84.2mm	Dodge
1P	3.386in./86mm	Ford	2205702	3.313in./84.2mm	Chrysler
1U	3.984in./101.2mm	Ford	2205702	3.313in./84.2mm	Dodge
1UA	3.984in./101.2mm	Ford	2206157	3.375in./85.7mm	Chrysler
1UB	3.984in./101.2mm	Ford	2206157	3.750in./95.3mm	Chrysler
1V	3.000in./76.2mm	Ford	2206157	4.188in./106.4mm	Chrysler
1V	3.590in./91.2mm	Ford	2206158	3.375in./85.7mm	Chrysler
1VA	3.000in./76.2mm	Ford	2206158	3.750in./95.3mm	Chrysler
1VA	3.590in./91.2mm	Ford	2206158	4.188in./106.4mm	Chrysler
1VAB	3.000in./76.2mm	Ford	2206159	3.375in./85.7mm	Chrysler
1VAB	3.590in./91.2mm	Ford	2206160	3.375in./85.7mm	Chrysler
1W-5008	6.000in./152.4mm	Caterpillar	2206160	3.750in./95.3mm	Chrysler
1W-6208	6.000in./152.4mm	Caterpillar	2206160	4.188in./106.4mm	Chrysler
1W-6209	6.000in./152.4mm	Caterpillar	220825E	4.250in./108mm	Hercules
1W-9771	5.000in./127mm	Caterpillar	2253120	3.346in./85mm	Oldsmobile
1YAB	3.000in./76.2mm	Ford	2258393	3.313in./84.2mm	Chrysler
1YAB	3.590in./91.2mm	Ford	2258393	3.313in./84.2mm	Dodge
1Z	3.150in./80mm	Toyota	2258613	4.125in./104.8mm	Chrysler
2	2.598in./66mm	Toyota	2263611	3.125in./79.4mm	Chrysler
2 MAE	3.000in./76.2mm	Ford	2264182	3.313in./84.2mm	Chrysler
2 MAE	3.031in./77mm	Toyota	2264182	3.313in./84.2mm	Dodge
2 MAE	3.228in./82mm	Isuzu	2264478	3.125in./79.4mm	Chrysler
2 MAE	3.622in./92mm	Chrysler	2264478	4.125in./104.8mm	Chrysler
2 MAE	3.906in./99.2mm	Ford	2264479	4.125in./104.8mm	Chrysler
2 MAE	4.000in./101.6mm	Chevrolet	226535	4.500in./114.3mm	Allis Chalmers
2 MAE	4.180in./106.2mm	Navistar	2268613	4.125in./104.8mm	Chrysler
2 MAE	5.085in./129.2mm	International	227550	3.875in./98.4mm	Allis Chalmers
2 MAE	5.350in./135.9mm	International	229022	4.500in./114.3mm	Allis Chalmers
2-71	5.000in./127mm	Detroit Diesel	22H1954-A	3.504in./89mm	Austin
2006157	3.750in./95.3mm	Chrysler	22H1954-A	3.504in./89mm	MG
20068R2	5.500in./139.7mm	International	230276	3.385in./86mm	Oldsmobile
201-0-132	3.071in./78mm	Nissan	230276	3.531in./89.7mm	Chevrolet
202B	3.000in./76.2mm	Ford	230277	3.400in./86.4mm	Buick
202B	3.031in./77mm	Toyota	230278	3.400in./86.4mm	Buick
202B	3.228in./82mm	Isuzu	230331	4.250in./108mm	Oldsmobile
202B	3.622in./92mm	Chrysler	230376	3.100in./78.7mm	Chevrolet
202B	3.906in./99.2mm	Ford	230376	3.385in./86mm	Oldsmobile
202B	4.000in./101.6mm	Chevrolet	230376	3.531in./89.7mm	Chevrolet
202B	4.180in./106.2mm	Navistar	230377	4.250in./108mm	Oldsmobile
202B	5.085in./129.2mm	International	230378	3.400in./86.4mm	Buick
202B	5.350in./135.9mm	International	230378	4.250in./108mm	Oldsmobile
206638	3.500in./88.9mm	Allis Chalmers	23040	2.638in./67mm	Nissan
207145	3.500in./88.9mm	Allis Chalmers	23040	2.886in./73.3mm	Nissan
2090911	4.000in./101.6mm	General Motors	23041	2.638in./67mm	Nissan
209229	3.980in./101.1mm	Continental	230905	3.385in./86mm	Oldsmobile
209229	4.375in./111.1mm	Continental	230905	3.531in./89.7mm	Chevrolet
210008832	3.540in./89.9mm	Saturn	230907	4.250in./108mm	Oldsmobile
2121654	3.125in./79.4mm	Chrysler	230908	4.250in./108mm	Oldsmobile
2128278	3.313in./84.2mm	Chrysler	2340	2.886in./73.3mm	Nissan
2128278	3.313in./84.2mm	Dodge	2342204	4.000in./101.6mm	General Motors
2128492	4.125in./104.8mm	Chrysler	2342664	4.000in./101.6mm	General Motors
2128869	3.313in./84.2mm	Chrysler	2362229	4.000in./101.6mm	General Motors
2128869	3.313in./84.2mm	Dodge	2364417	3.578in./90.8mm	General Motors
213352	3.500in./88.9mm	Allis Chalmers	2366209	3.578in./90.8mm	General Motors
213353	4.500in./114.3mm	Allis Chalmers	2366210	3.578in./90.8mm	General Motors
2135416	4.000in./101.6mm	General Motors	2367417	3.578in./90.8mm	General Motors

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
2404929	4.000in./101.6mm	General Motors	2690	3.504in./89mm	Chevrolet
2419583	3.859in./98mm	General Motors	27-G	3.150in./80mm	Toyota
242880R91	3.750in./95.3mm	International	2732E	2.100in./53.3mm	Ford
242881R91	3.750in./95.3mm	International	2737E	2.100in./53.3mm	Ford
242882R91	4.313in./109.6mm	International	275	2.660in./67.6mm	Buick
24504	4.000in./101.6mm	Waukesha	275606R1	5.500in./139.7mm	International
2454001	3.578in./90.8mm	General Motors	275708R92	5.500in./139.7mm	International
2454017	3.578in./90.8mm	General Motors	277100R11	6.000in./152.4mm	International
2454066	3.859in./98mm	General Motors	2774220	4.125in./104.8mm	Chevrolet
2454191	3.578in./90.8mm	General Motors	2774220N	4.125in./104.8mm	Chevrolet
2454192	3.578in./90.8mm	General Motors	2780513	3.750in./95.3mm	Chrysler
2463548	3.750in./95.3mm	Chrysler	2780533	3.750in./95.3mm	Chrysler
2465747	3.313in./84.2mm	Chrysler	2843868	3.313in./84.2mm	Chrysler
2465747	3.313in./84.2mm	Dodge	2843868	3.313in./84.2mm	Dodge
2475494	3.578in./90.8mm	General Motors	2843935	4.125in./104.8mm	Chrysler
2475793	3.578in./90.8mm	General Motors	2843939	3.125in./79.4mm	Chrysler
2475794	3.578in./90.8mm	General Motors	2843963	4.125in./104.8mm	Chrysler
2475795	3.578in./90.8mm	General Motors	285026E	4.500in./114.3mm	Hercules
2475796	3.578in./90.8mm	General Motors	285360E	4.500in./114.3mm	Hercules
2482923	3.375in./85.7mm	Chrysler	285360F	4.500in./114.3mm	Hercules
24895D	6.500in./165.1mm	International	2867417	3.578in./90.8mm	General Motors
24895DD	6.500in./165.1mm	International	289878C91	3.750in./95.3mm	International
2491012	4.000in./101.6mm	General Motors	2951265	3.641in./92.5mm	Chrysler
25	2.756in./70mm	Toyota	2951979	3.641in./92.5mm	Chrysler
250026F	4.500in./114.3mm	Hercules	2954265	3.641in./92.5mm	Chrysler
251264R1	2.750in./69.9mm	International	296733C91	4.313in./109.6mm	International
252576R1	5.500in./139.7mm	International	29A	3.750in./95.3mm	Ford
252576R2	5.500in./139.7mm	International	29A-6303A	3.750in./95.3mm	Ford
2532457	3.313in./84.2mm	Chrysler	29B	3.750in./95.3mm	Ford
2543935	4.125in./104.8mm	Chrysler	29B-6303B	3.750in./95.3mm	Ford
25500	3.386in./86mm	Nissan	2A-717-A	2.677in./68mm	Austin
255029	4.250in./108mm	Hercules	2A-717-A	2.992in./76mm	Austin
25505554	3.400in./86.4mm	Buick	2A-717-A	2.992in./76mm	MG
25506397	3.400in./86.4mm	Buick	2A-829	2.677in./68mm	Austin
25506818	3.400in./86.4mm	Buick	2A-829	2.992in./76mm	Austin
25509404	3.400in./86.4mm	Buick	2A-829	2.992in./76mm	MG
25514290	3.400in./86.4mm	Buick	2B-6488	8.000in./203.2mm	Caterpillar
25520329	3.400in./86.4mm	Buick	2BA	3.750in./95.3mm	Ford
2558393	3.313in./84.2mm	Chrysler	2D	3.125in./79.4mm	Ford
256025E	4.500in./114.3mm	Hercules	2H	3.906in./99.2mm	Ford
256026E	4.500in./114.3mm	Hercules	2H-862	8.000in./203.2mm	Caterpillar
2566209	3.578in./90.8mm	General Motors	2H-A	3.000in./76.2mm	Ford
2593	in./mm	Ford	2H-A	3.750in./95.3mm	Ford Tractor
26	2.598in./66mm	Toyota	2H-A	3.906in./99.2mm	Ford
260068R1	5.500in./139.7mm	International	2H-A	3.980in./101.1mm	Ford
260068R2	5.500in./139.7mm	International	2HA	3.906in./99.2mm	Ford
260693R1	5.500in./139.7mm	International	2HAB	3.906in./99.2mm	Ford
260693R2	5.500in./139.7mm	International	2J	3.000in./76.2mm	Ford
260693R3	5.500in./139.7mm	International	2J	3.750in./95.3mm	Ford Tractor
260749R1	5.500in./139.7mm	International	2J	3.906in./99.2mm	Ford
260749R2	5.500in./139.7mm	International	2J	3.980in./101.1mm	Ford
261025E	4.500in./114.3mm	Hercules	2M	3.000in./76.2mm	Ford
261265R1	5.250in./133.4mm	International	2M	3.346in./85mm	Toyota
261265R41	5.250in./133.4mm	International	2M-5170	5.500in./139.7mm	Caterpillar
263126R1	6.500in./165.1mm	International	2M-5170	6.000in./152.4mm	Caterpillar
263126R2	6.500in./165.1mm	International	2MA	3.000in./76.2mm	Ford
264	2.992in./76mm	Chevrolet	2MAB	3.000in./76.2mm	Ford
2656278	3.313in./84.2mm	Chrysler	2MAC	3.000in./76.2mm	Ford
2658268	3.313in./84.2mm	Chrysler	2MAD	3.000in./76.2mm	Ford
2658268	3.313in./84.2mm	Dodge	2MAE	3.000in./76.2mm	Ford
2658278	3.313in./84.2mm	Chrysler	2MAE	3.031in./77mm	Toyota
2658278	3.313in./84.2mm	Dodge	2MAE	3.228in./82mm	Isuzu
2658393	3.313in./84.2mm	Chrysler	2MAE	3.622in./92mm	Chrysler
2658998	4.125in./104.8mm	Chrysler	2MAE	3.906in./99.2mm	Ford
2670	3.150in./80mm	Pontiac	2MAE	4.000in./101.6mm	Chevrolet
267267R1	4.391in./111.5mm	International	2MAE	4.180in./106.2mm	Navistar
2680	3.250in./82.6mm	Chevrolet	2MAE	5.085in./129.2mm	International
2680	3.701in./94mm	Mazda	2MAE	5.350in./135.9mm	International
2690	3.438in./87.33mm	Chevrolet	2MG2	3.346in./85mm	Toyota
2690	3.484in./88.5mm	Chevrolet	2N	3.000in./76.2mm	Ford

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
2N	3.750in./95.3mm	Ford Tractor	310372	4.375in./111.1mm	
2N	3.906in./99.2mm	Ford	310514	3.438in./87.33mm	Chevrolet
2N	3.980in./101.1mm	Ford	310514	3.484in./88.5mm	Chevrolet
2NA	3.000in./76.2mm	Ford	310514	3.504in./89mm	Chevrolet
2NA	3.750in./95.3mm	Ford Tractor	310772	3.600in./91.4mm	Ford
2NA	3.906in./99.2mm	Ford	310772	3.600in./91.4mm	Ford Tractor
2NA	3.980in./101.1mm	Ford	311406	3.465in./88mm	MG
2NAB	3.000in./76.2mm	Ford	3124294F	4.250in./108mm	American Motors
2NAB	3.750in./95.3mm	Ford Tractor	3124725	3.680in./93.5mm	International
2NAB	3.906in./99.2mm	Ford	3125974	3.750in./95.3mm	Nash
2NAB	3.980in./101.1mm	Ford	3125974	4.250in./108mm	American Motors
2NABC	3.000in./76.2mm	Ford	3127261	4.000in./101.6mm	Nash
2NABC	3.150in./80mm	Chevrolet	3127501F	3.750in./95.3mm	Nash
2NABC	3.250in./82.6mm	Chevrolet	3127501F	4.250in./108mm	American Motors
2NABC	3.386in./86mm	Mitsubishi	3130331F	3.750in./95.3mm	Nash
2NABC	3.465in./88mm	Nissan	313033F	4.000in./101.6mm	Nash
2NABC	3.750in./95.3mm	Ford Tractor	3130368	4.250in./108mm	American Motors
2NABC	3.780in./96mm	Nissan	31315127	5.000in./127mm	Perkins
2NABC	3.850in./97.8mm	Ford	31315841	5.000in./127mm	Perkins
2NABC	3.906in./99.2mm	Ford	31315843	5.000in./127mm	Perkins
2NABC	3.980in./101.1mm	Ford	31315881	5.000in./127mm	Perkins
2NABC	4.125in./104.8mm	Chevrolet	31315952	5.000in./127mm	Perkins
2T	3.500in./88.9mm	Ford	31315971	5.000in./127mm	Perkins
2TA	3.500in./88.9mm	Ford	31316323	5.000in./127mm	Perkins
2U	3.781in./96mm	Ford	31316324	5.000in./127mm	Perkins
2UA	3.781in./96mm	Ford	31316325	5.000in./127mm	Perkins
2Y	3.850in./97.8mm	Ford	31322302	5.000in./127mm	Perkins
2Y68-76	3.150in./80mm	Chevrolet	31322302	5.276in./134mm	Perkins
2Y68-76	3.250in./82.6mm	Chevrolet	3132302	5.000in./127mm	Perkins
2Y68-76	3.386in./86mm	Mitsubishi	3132302	5.276in./134mm	Perkins
2Y68-76	3.465in./88mm	Nissan	3134294	4.250in./108mm	American Motors
2Y68-76	3.780in./96mm	Nissan	3134294F	4.250in./108mm	American Motors
2Y68-76	3.850in./97.8mm	Ford	3141	2.913in./74mm	Nissan
2Y68-76	3.980in./101.1mm	Ford	3144388	3.250in./82.6mm	American Motors
2Y68-76	4.125in./104.8mm	Chevrolet	3144388	3.250in./82.6mm	Jeep
2YA	3.850in./97.8mm	Ford	315712R3	4.391in./111.5mm	International
2YAB	3.850in./97.8mm	Ford	3159292	3.438in./87.3mm	American Motors
2YABC	3.850in./97.8mm	Ford	3159292	3.438in./87.33mm	American Motors
3-71	5.000in./127mm	Detroit Diesel	3159614	4.250in./108mm	American Motors
301015	3.622in./92mm	Triumph	3159614F	4.250in./108mm	American Motors
301431	3.622in./92mm	Triumph	3160033	4.250in./108mm	American Motors
3027931	5.354in./136mm	Cummins	3160035	3.250in./82.6mm	Studebaker
303034	2.992in./76mm	Triumph	3160035	3.500in./88.9mm	American Motors
303034	3.071in./78mm	Triumph	3160035	4.250in./108mm	American Motors
305	3.268in./83mm	Mazda	3160110	3.750in./95.3mm	Nash
306275	3.438in./87.33mm	Chevrolet	3160110	4.250in./108mm	American Motors
306275	3.484in./88.5mm	Chevrolet	3162394	4.250in./108mm	American Motors
306275	3.504in./89mm	Chevrolet	3162394F	4.250in./108mm	American Motors
306276	3.438in./87.33mm	Chevrolet	3165562	4.250in./108mm	American Motors
306276	3.484in./88.5mm	Chevrolet	3165562F	4.250in./108mm	American Motors
306276	3.504in./89mm	Chevrolet	3169034	3.250in./82.6mm	Studebaker
3064291	6.000in./152.4mm	Cummins	3169034	3.500in./88.9mm	American Motors
308397R31	3.875in./98.4mm	International	3169034	4.250in./108mm	American Motors
30R	3.150in./80mm	Chevrolet	3169035F	4.250in./108mm	American Motors
30R	3.250in./82.6mm	Chevrolet	3172216	3.000in./76.2mm	American Motors
30R	3.386in./86mm	Mitsubishi	3172218	3.250in./82.6mm	Studebaker
30R	3.465in./88mm	Nissan	3172218	3.500in./88.9mm	American Motors
30R	3.780in./96mm	Nissan	3172218R	3.250in./82.6mm	Studebaker
30R	3.850in./97.8mm	Ford	3172218R	3.500in./88.9mm	American Motors
30R	3.980in./101.1mm	Ford	317268G1	3.656in./92.9mm	International
30R	4.125in./104.8mm	Chevrolet	3172697	4.250in./108mm	American Motors
31-87	3.150in./80mm	Chevrolet	3173429	3.000in./76.2mm	American Motors
31-87	3.250in./82.6mm	Chevrolet	3178451C	3.438in./87.3mm	American Motors
31-87	3.386in./86mm	Mitsubishi	3178451C	3.438in./87.33mm	American Motors
31-87	3.465in./88mm	Nissan	318175R11	6.500in./165.1mm	International
31-87	3.780in./96mm	Nissan	318264R1	3.875in./98.4mm	International
31-87	3.850in./97.8mm	Ford	3188945	3.250in./82.6mm	Studebaker
31-87	3.980in./101.1mm	Ford	3188945	3.500in./88.9mm	American Motors
31-87	4.125in./104.8mm	Chevrolet	3188947	3.250in./82.6mm	Studebaker
310372	3.600in./91.4mm	Ford Tractor	3188947	3.500in./88.9mm	American Motors

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
3190079	3.680in./93.5mm	American Motors	3281N	3.250in./82.6mm	Chevrolet
3190079	3.680in./93.5mm	International	3281N	3.386in./86mm	Mitsubishi
3190792	3.680in./93.5mm	American Motors	3281N	3.465in./88mm	Nissan
3190792	3.680in./93.5mm	International	3281N	3.780in./96mm	Nissan
3190792F	3.680in./93.5mm	American Motors	3281N	3.850in./97.8mm	Ford
3190793	3.680in./93.5mm	American Motors	3281N	3.980in./101.1mm	Ford
3190793	3.680in./93.5mm	International	3281N	4.125in./104.8mm	Chevrolet
3190797	3.680in./93.5mm	American Motors	3294	3.375in./85.7mm	Chrysler
3190797	3.680in./93.5mm	International	3294	3.750in./95.3mm	Chrysler
3190798	3.680in./93.5mm	American Motors	3294	4.188in./106.4mm	Chrysler
3190798	3.680in./93.5mm	International	329880N	3.150in./80mm	Chevrolet
3193816	3.281in./83.34mm	American Motors	329880N	3.250in./82.6mm	Chevrolet
3193816	3.438in./87.3mm	American Motors	329880N	3.386in./86mm	Mitsubishi
3193816	3.438in./87.33mm	American Motors	329880N	3.465in./88mm	Nissan
3195292	3.438in./87.3mm	American Motors	329880N	3.780in./96mm	Nissan
3195292	3.438in./87.33mm	American Motors	329880N	3.850in./97.8mm	Ford
3196921	3.680in./93.5mm	American Motors	329880N	3.980in./101.1mm	Ford
3196921	3.680in./93.5mm	International	329880N	4.125in./104.8mm	Chevrolet
3196922	3.680in./93.5mm	American Motors	329880N	4.125in./104.8mm	Chevrolet
3196922	3.680in./93.5mm	International	3299990	4.125in./104.8mm	Chevrolet
3199738C	3.906in./99.2mm	American Motors	3299990N	4.125in./104.8mm	Chevrolet
3199798	3.906in./99.2mm	American Motors	3308	4.094in./104mm	Chrysler
3199842	3.680in./93.5mm	American Motors	3418640	3.578in./90.8mm	Chrysler
3199842	3.680in./93.5mm	International	3418840-2	3.578in./90.8mm	Chrysler
31M	3.150in./80mm	Chevrolet	3418995	3.578in./90.8mm	Chrysler
31M	3.250in./82.6mm	Chevrolet	3462387	3.313in./84.2mm	Chrysler
31M	3.386in./86mm	Mitsubishi	3462923	3.375in./85.7mm	Chrysler
31M	3.465in./88mm	Nissan	3482387	3.313in./84.2mm	Chrysler
31M	3.780in./96mm	Nissan	3482387	3.313in./84.2mm	Dodge
31M	3.850in./97.8mm	Ford	3509574	3.625in./92.1mm	Cadillac
31M	3.980in./101.1mm	Ford	351264R1	2.750in./69.9mm	International
31M	4.125in./104.8mm	Chevrolet	3520090	3.622in./92mm	Cadillac
320185R1	4.391in./111.5mm	International	3521	4.000in./101.6mm	Chevrolet
3203082	3.750in./95.3mm	Nash	353039	4.000in./101.6mm	Chevrolet
3204904	3.250in./82.6mm	Studebaker	354431	3.100in./78.7mm	Chevrolet
3204904	3.500in./88.9mm	American Motors	356308R1	4.000in./101.6mm	Continental
3208626	3.000in./76.2mm	American Motors	356308R1	4.000in./101.6mm	International
3208627	3.250in./82.6mm	Studebaker	357247R1	2.750in./69.9mm	International
3208627	3.500in./88.9mm	American Motors	359730	4.000in./101.6mm	Chevrolet
3208793	3.000in./76.2mm	American Motors	36-0	3.071in./78mm	Nissan
3208794	3.250in./82.6mm	Studebaker	365308R1	4.000in./101.6mm	Continental
3208794	3.500in./88.9mm	American Motors	365308R1	4.000in./101.6mm	International
3208795	3.680in./93.5mm	American Motors	3654	3.189in./81mm	Chrysler
3208795	3.680in./93.5mm	International	365712R1	3.219in./81.76mm	International
321	3.543in./90mm	Acura	365712R1	3.219in./81.8mm	International
3213754	3.438in./87.3mm	American Motors	365712R2	3.219in./81.76mm	International
3213754	3.438in./87.33mm	American Motors	365712R2	3.219in./81.8mm	International
3214722	3.250in./82.6mm	Studebaker	3660345	3.938in./100mm	Chevrolet
3214722	3.500in./88.9mm	American Motors	367266R1	3.688in./93.7mm	International
3214723	3.906in./99.2mm	American Motors	367267R1	4.391in./111.5mm	International
3214724	3.438in./87.3mm	American Motors	367747R1	4.063in./103.2mm	International
3214724	3.438in./87.33mm	American Motors	367747R1	4.250in./108mm	International
3214725	3.680in./93.5mm	American Motors	368711R1	4.000in./101.6mm	Continental
3220411	3.680in./93.5mm	American Motors	368711R1	4.000in./101.6mm	International
3220411	3.680in./93.5mm	International	3690	3.484in./88.5mm	Chevrolet
32288D	6.500in./165.1mm	International	3698641	3.375in./85.7mm	Chrysler
32288DB	6.500in./165.1mm	International	3698641	3.750in./95.3mm	Chrysler
32300	3.228in./82mm	Nissan	3698641	4.188in./106.4mm	Chrysler
32305	6.500in./165.1mm	International	3698966	4.125in./104.8mm	Chrysler
3235477	3.906in./99.2mm	American Motors	3701486	3.938in./100mm	Chevrolet
323882R11	4.391in./111.5mm	International	3701488	3.938in./100mm	Chevrolet
3239611	3.190in./81.03mm	American Motors	3701488-A	3.938in./100mm	Chevrolet
3239611	3.190in./81.03mm	Jeep	3701894	3.938in./100mm	Chevrolet
3239611	3.701in./94mm	Jeep	3726271	3.750in./95.3mm	Chevrolet
3278N	3.150in./80mm	Chevrolet	3727449	3.000in./76.2mm	Chevrolet
3279	3.000in./76.2mm	Chevrolet	3727499	3.000in./76.2mm	Chevrolet
3279	3.250in./82.6mm	Chevrolet	3727499	3.347in./85mm	Chevrolet
3279	3.347in./85mm	Chevrolet	3729449	3.000in./76.2mm	Chevrolet
3279	3.701in./94mm	Mazda	3729449	3.347in./85mm	Chevrolet
3281N	3.150in./80mm	Chevrolet	3732444	3.438in./87.33mm	Chevrolet

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
3732444	3.484in./88.5mm	Chevrolet	3835236TG	3.347in./85mm	Chevrolet
3732444	3.504in./89mm	Chevrolet	3835271	3.750in./95.3mm	Chevrolet
3732692	3.250in./82.6mm	Chevrolet	3835311	3.938in./100mm	Chevrolet
3733223	3.250in./82.6mm	Chevrolet	3835501	3.938in./100mm	Chevrolet
3733226	3.250in./82.6mm	Chevrolet	3835709	3.938in./100mm	Chevrolet
3734627	3.000in./76.2mm	Chevrolet	3835709PG	3.938in./100mm	Chevrolet
3734627	3.347in./85mm	Chevrolet	3836144	2.953in./75mm	Chevrolet
3735236	3.000in./76.2mm	Chevrolet	3836144	3.650in./92.7mm	Chevrolet
3735236	3.347in./85mm	Chevrolet	3836144	3.766in./95.7mm	Chevrolet
3741640	3.250in./82.6mm	Chevrolet	3836236	3.000in./76.2mm	Chevrolet
3741642	3.250in./82.6mm	Chevrolet	3836236	3.347in./85mm	Chevrolet
3751841	3.313in./84.2mm	Chrysler	3836266	3.000in./76.2mm	Chevrolet
3751841	3.313in./84.2mm	Dodge	3836266	3.347in./85mm	Chevrolet
3751877	3.375in./85.7mm	Chrysler	3836271	3.750in./95.3mm	Chevrolet
3751888	3.375in./85.7mm	Chrysler	3837266	3.000in./76.2mm	Chevrolet
3751888	3.750in./95.3mm	Chrysler	3837266	3.347in./85mm	Chevrolet
3751888	4.188in./106.4mm	Chrysler	3837466	3.500in./88.9mm	Chevrolet
3751888-5	3.375in./85.7mm	Chrysler	3838266	3.000in./76.2mm	Chevrolet
3751888-5	3.750in./95.3mm	Chrysler	3838266	3.347in./85mm	Chevrolet
3751888-5	4.188in./106.4mm	Chrysler	3838396	3.500in./88.9mm	Chevrolet
375601R11	3.875in./98.4mm	International	384722	3.980in./101.1mm	Oldsmobile
3769307	4.125in./104.8mm	Chrysler	3849847	3.000in./76.2mm	Chevrolet
3770324	3.938in./100mm	Chevrolet	3849847	3.347in./85mm	Chevrolet
3770327	3.938in./100mm	Chevrolet	3855914	3.531in./89.7mm	Chevrolet
3782680	3.250in./82.6mm	Chevrolet	3855914	3.531in./89.7mm	Pontiac
3782690	3.250in./82.6mm	Chevrolet	3855914	4.125in./104.8mm	Chevrolet
378354	3.400in./86.4mm	Buick	3855914N	4.125in./104.8mm	Chevrolet
378684R21	6.500in./165.1mm	International	3863144	2.953in./75mm	Chevrolet
378685R11	6.500in./165.1mm	International	3863144	3.650in./92.7mm	Chevrolet
378686R21	6.500in./165.1mm	International	3863144	3.766in./95.7mm	Chevrolet
3788072	3.500in./88.9mm	Chevrolet	3864465	3.250in./82.6mm	Chevrolet
3788423	3.250in./82.6mm	Chevrolet	3864465	3.250in./82.6mm	General Motors
3788423	3.250in./82.6mm	General Motors	3864465	3.250in./82.6mm	Pontiac
3788423	3.250in./82.6mm	Pontiac	3874874	2.953in./75mm	Chevrolet
3788424	3.250in./82.6mm	Chevrolet	3874874	3.650in./92.7mm	Chevrolet
3788424	3.250in./82.6mm	General Motors	3874874	3.766in./95.7mm	Chevrolet
3788424	3.250in./82.6mm	Pontiac	3876764	3.000in./76.2mm	Chevrolet
3788428	3.250in./82.6mm	Chevrolet	3876764	3.347in./85mm	Chevrolet
3788428	3.250in./82.6mm	General Motors	3876768	3.000in./76.2mm	Chevrolet
3788428	3.250in./82.6mm	Pontiac	3876768	3.347in./85mm	Chevrolet
3788522	3.250in./82.6mm	Chevrolet	3876802	3.531in./89.7mm	Chevrolet
3789412	4.125in./104.8mm	Chevrolet	3876802	3.531in./89.7mm	Pontiac
3793080	3.250in./82.6mm	Chevrolet	3876804	3.531in./89.7mm	Chevrolet
3793082	3.250in./82.6mm	Chevrolet	3876840	3.531in./89.7mm	Chevrolet
3793082N	3.250in./82.6mm	Chevrolet	3876840	3.531in./89.7mm	Pontiac
3795589	3.500in./88.9mm	Chevrolet	3879412	4.125in./104.8mm	Chevrolet
3804816	2.953in./75mm	Chevrolet	3882841	3.312in./84.1mm	Chevrolet
3804816	3.650in./92.7mm	Chevrolet	3882841	3.750in./95.3mm	Chevrolet
3804816	3.766in./95.7mm	Chevrolet	3882842	2.953in./75mm	Chevrolet
381	3.000in./76.2mm	Pontiac	3882842	3.650in./92.7mm	Chevrolet
381269	3.385in./86mm	Oldsmobile	3882842	3.766in./95.7mm	Chevrolet
381269	3.531in./89.7mm	Chevrolet	3882847	2.953in./75mm	Chevrolet
3815822	3.250in./82.6mm	Chevrolet	3882847	3.650in./92.7mm	Chevrolet
3817293	2.593in./65.9mm	Chevrolet Corvair	3882847	3.766in./95.7mm	Chevrolet
381919	3.385in./86mm	Oldsmobile	3882848	2.953in./75mm	Chevrolet
381919	3.531in./89.7mm	Chevrolet	3882848	3.650in./92.7mm	Chevrolet
3819989	5.354in./136mm	Cummins	3882848	3.766in./95.7mm	Chevrolet
3820618	3.250in./82.6mm	Chevrolet	3882849	2.953in./75mm	Chevrolet
3820618	3.250in./82.6mm	General Motors	3882849	3.650in./92.7mm	Chevrolet
3820618	3.250in./82.6mm	Pontiac	3882849	3.766in./95.7mm	Chevrolet
3824544	3.250in./82.6mm	Chevrolet	3884653	4.125in./104.8mm	Chevrolet
3824553	3.250in./82.6mm	Chevrolet	3886061	4.125in./104.8mm	Chevrolet
3824554	3.500in./88.9mm	Chevrolet	3887114	2.953in./75mm	Chevrolet
3826271	3.938in./100mm	Chevrolet	3887114	3.650in./92.7mm	Chevrolet
3828409	2.938in./74.6mm	Chevrolet Corvair	3887114	3.766in./95.7mm	Chevrolet
3829027	3.500in./88.9mm	Chevrolet	388766	3.385in./86mm	Oldsmobile
3832442	3.438in./87.33mm	Chevrolet	388766	3.531in./89.7mm	Chevrolet
3832442	3.484in./88.5mm	Chevrolet	3899424	3.250in./82.6mm	Chevrolet
3832442	3.504in./89mm	Chevrolet	3899424	3.250in./82.6mm	General Motors
3835236TG	3.000in./76.2mm	Chevrolet	390	3.000in./76.2mm	Pontiac

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
390275	3.385in./86mm	Oldsmobile	397363	4.250in./108mm	Oldsmobile
390275	3.531in./89.7mm	Chevrolet	3975	3.313in./84.2mm	Chrysler
390370	3.980in./101.1mm	Oldsmobile	3975	3.701in./94mm	Mazda
3903827	4.724in./120mm	Cummins	3975945	4.000in./101.6mm	Chevrolet
3903830	4.724in./120mm	Cummins	3977109	3.625in./92.1mm	Chevrolet
3904815	2.953in./75mm	Chevrolet	398261	3.385in./86mm	Oldsmobile
3904815	3.650in./92.7mm	Chevrolet	398261	3.531in./89.7mm	Chevrolet
3904815	3.766in./95.7mm	Chevrolet	398621	3.385in./86mm	Oldsmobile
3904816	2.953in./75mm	Chevrolet	398621	3.531in./89.7mm	Chevrolet
3904816	3.650in./92.7mm	Chevrolet	3994226	3.625in./92.1mm	Chevrolet
3904816	3.766in./95.7mm	Chevrolet	3994227	3.625in./92.1mm	Chevrolet
390562	5.320in./135.1mm	Cummins	3A	2.598in./66mm	Toyota
3907803	4.724in./120mm	Cummins	3A	2.972in./75.5mm	Suzuki
3907804	4.724in./120mm	Cummins	3A	3.031in./77mm	Toyota
3910362	4.125in./104.8mm	Chevrolet	3A	3.125in./79.4mm	Ford
3910363	4.125in./104.8mm	Chevrolet	3A	3.386in./86mm	Toyota
3911000	3.250in./82.6mm	Chevrolet	3A	3.425in./87mm	Toyota
3911000	3.701in./94mm	Mazda	3A	3.622in./92mm	Chrysler
3911001	3.250in./82.6mm	Chevrolet	3A	3.850in./97.8mm	Ford
3911001	3.701in./94mm	Mazda	3AC	2.598in./66mm	Toyota
391101	3.150in./80mm	Audi	3AC	2.972in./75.5mm	Suzuki
391101	3.150in./80mm	Volkswagen	3AC	3.031in./77mm	Toyota
391101	3.386in./86mm	Volkswagen	3AC	3.125in./79.4mm	Ford
3911011	3.250in./82.6mm	Chevrolet	3AC	3.386in./86mm	Toyota
3911011	3.701in./94mm	Mazda	3AC	3.425in./87mm	Toyota
391101A	3.250in./82.6mm	Chevrolet	3AC	3.622in./92mm	Chrysler
391101A	3.701in./94mm	Mazda	3AC	3.850in./97.8mm	Ford
3912335	3.438in./87.33mm	Chevrolet	3AH	2.598in./66mm	Toyota
3912335	3.484in./88.5mm	Chevrolet	3AH	2.972in./75.5mm	Suzuki
3912335	3.504in./89mm	Chevrolet	3AH	3.031in./77mm	Toyota
3914681	3.250in./82.6mm	Chevrolet	3AH	3.125in./79.4mm	Ford
3914681	3.701in./94mm	Mazda	3AH	3.386in./86mm	Toyota
3914682	3.250in./82.6mm	Chevrolet	3AH	3.425in./87mm	Toyota
3914682	3.701in./94mm	Mazda	3AH	3.622in./92mm	Chrysler
391930	3.219in./81.8mm	International	3AH	3.850in./97.8mm	Ford
3923278	3.000in./76.2mm	Chevrolet	3B	2.598in./66mm	Toyota
3923278	3.347in./85mm	Chevrolet	3B	2.972in./75.5mm	Suzuki
3930809	3.250in./82.6mm	Chevrolet	3B	3.031in./77mm	Toyota
3930809	3.701in./94mm	Mazda	3B	3.125in./79.4mm	Ford
3932444	3.438in./87.33mm	Chevrolet	3B	3.386in./86mm	Toyota
3932444	3.484in./88.5mm	Chevrolet	3B	3.425in./87mm	Toyota
3932444	3.504in./89mm	Chevrolet	3B	3.622in./92mm	Chrysler
393654	3.385in./86mm	Oldsmobile	3B	3.850in./97.8mm	Ford
393654	3.531in./89.7mm	Chevrolet	3B-7934	8.000in./203.2mm	Caterpillar
3941172	3.250in./82.6mm	Chevrolet	3B-7937	8.000in./203.2mm	Caterpillar
3941172	3.701in./94mm	Mazda	3B-9511	8.000in./203.2mm	Caterpillar
3941174	3.250in./82.6mm	Chevrolet	3C	3.500in./88.9mm	Ford Windsor
3941174	3.701in./94mm	Mazda	3C	in./mm	Ford Windsor
3941176	3.000in./76.2mm	Chevrolet	3E	2.598in./66mm	Toyota
3941176	3.347in./85mm	Chevrolet	3E	2.972in./75.5mm	Suzuki
3941180	2.953in./75mm	Chevrolet	3E	3.031in./77mm	Toyota
3941180	3.650in./92.7mm	Chevrolet	3E	3.125in./79.4mm	Ford
3941180	3.766in./95.7mm	Chevrolet	3E	3.386in./86mm	Toyota
3941184	3.438in./87.33mm	Chevrolet	3E	3.425in./87mm	Toyota
3941184	3.484in./88.5mm	Chevrolet	3E	3.622in./92mm	Chrysler
3941184	3.504in./89mm	Chevrolet	3E	3.850in./97.8mm	Ford
3942411	2.953in./75mm	Chevrolet	3F-5020	5.500in./139.7mm	Caterpillar
3942411	3.650in./92.7mm	Chevrolet	3F-5020	6.000in./152.4mm	Caterpillar
3942411	3.766in./95.7mm	Chevrolet	3F-5026	5.500in./139.7mm	Caterpillar
3951528	3.312in./84.1mm	Chevrolet	3F-6777	5.500in./139.7mm	Caterpillar
3951528	3.750in./95.3mm	Chevrolet	3H	2.598in./66mm	Toyota
3951529D	3.312in./84.1mm	Chevrolet	3H	2.972in./75.5mm	Suzuki
3951529D	3.750in./95.3mm	Chevrolet	3H	3.031in./77mm	Toyota
395654	3.385in./86mm	Oldsmobile	3H	3.125in./79.4mm	Ford
395654	3.531in./89.7mm	Chevrolet	3H	3.386in./86mm	Toyota
3962523	4.000in./101.6mm	Chevrolet	3H	3.425in./87mm	Toyota
3963523	4.000in./101.6mm	Chevrolet	3H	3.622in./92mm	Chrysler
3963524	4.000in./101.6mm	Chevrolet	3H	3.850in./97.8mm	Ford
3967463	4.000in./101.6mm	Chevrolet	3K	2.598in./66mm	Toyota
397303	4.250in./108mm	Oldsmobile	3KC	2.598in./66mm	Toyota

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
3KC	2.972in./75.5mm	Suzuki	40F	3.937in./100mm	Mitsubishi
3KC	3.031in./77mm	Toyota	41-74700	3.268in./83mm	Nissan
3KC	3.125in./79.4mm	Ford	41026	4.125in./104.8mm	Hercules
3KC	3.386in./86mm	Toyota	41026B	4.125in./104.8mm	Hercules
3KC	3.425in./87mm	Toyota	418882	3.385in./86mm	Oldsmobile
3KC	3.622in./92mm	Chrysler	418882	3.531in./89.7mm	Chevrolet
3KC	3.850in./97.8mm	Ford	4196N	2.598in./66mm	Chevrolet
3M	3.500in./88.9mm	Ford Windsor	4196N	3.031in./77mm	Toyota
3M	in./mm	Ford Windsor	4196N	3.386in./86mm	Toyota
3MA	3.500in./88.9mm	Ford Windsor	4196N	3.531in./89.7mm	Chevrolet
3MA	in./mm	Ford Windsor	4196N	3.780in./96mm	Nissan
3SF	2.598in./66mm	Toyota	4196N	3.850in./97.8mm	Ford
3SF	2.972in./75.5mm	Suzuki	4196N	3.937in./100mm	Mitsubishi
3SF	3.031in./77mm	Toyota	41R	3.150in./80mm	Toyota
3SF	3.125in./79.4mm	Ford	42947E	4.500in./114.3mm	Hercules
3SF	3.386in./86mm	Toyota	42974E	4.500in./114.3mm	Hercules
3SF	3.425in./87mm	Toyota	42979E	4.250in./108mm	Hercules
3SF	3.622in./92mm	Chrysler	4303200	4.125in./104.8mm	Allis Chalmers
3SF	3.850in./97.8mm	Ford	4303200	4.125in./104.8mm	Buda
3U	3.781in./96mm	Ford	4347501	5.563in./141.3mm	Allis Chalmers
3Y	3.850in./97.8mm	Ford	4347501	5.563in./141.3mm	Buda
3YA	2.598in./66mm	Chevrolet	4348399	5.563in./141.3mm	Allis Chalmers
3YA	3.031in./77mm	Toyota	4348399	5.563in./141.3mm	Buda
3YA	3.386in./86mm	Toyota	4348425	5.563in./141.3mm	Allis Chalmers
3YA	3.531in./89.7mm	Chevrolet	4348425	5.563in./141.3mm	Buda
3YA	3.780in./96mm	Nissan	4348525	5.563in./141.3mm	Allis Chalmers
3YA	3.850in./97.8mm	Ford	4348525	5.563in./141.3mm	Buda
3YA	3.937in./100mm	Mitsubishi	43526D	4.500in./114.3mm	Hercules
3YAB	3.850in./97.8mm	Ford	43526E	4.250in./108mm	Hercules
4	2.756in./70mm	Toyota	43528B	4.500in./114.3mm	Hercules
4-71	5.000in./127mm	Detroit Diesel	43528E	4.500in./114.3mm	Hercules
4008148	4.250in./108mm	Allis Chalmers	43531E	4.250in./108mm	Hercules
40091E	4.250in./108mm	Hercules	43532	4.250in./108mm	Hercules
400934	4.250in./108mm	Oldsmobile	4361324	6.500in./165.1mm	Allis Chalmers
40094D	4.250in./108mm	Hercules	4361324	6.500in./165.1mm	Buda
40094E	4.250in./108mm	Hercules	4371087	6.500in./165.1mm	Allis Chalmers
400C-209	4.375in./111.1mm	Continental	4371087	6.500in./165.1mm	Buda
400C-213	3.500in./88.9mm	Continental	4371093	6.500in./165.1mm	Allis Chalmers
400C-226	3.500in./88.9mm	Continental	4371093	6.500in./165.1mm	Buda
400C-500	4.375in./111.1mm	Continental	4371094	6.500in./165.1mm	Allis Chalmers
4020230	4.250in./108mm	Allis Chalmers	4371094	6.500in./165.1mm	Buda
4020344	4.250in./108mm	Allis Chalmers	4371097	6.500in./165.1mm	Allis Chalmers
4020345	4.250in./108mm	Allis Chalmers	4371097	6.500in./165.1mm	Buda
4022256	4.250in./108mm	Allis Chalmers	43734D	4.250in./108mm	International
4022301	4.250in./108mm	Allis Chalmers	43734DB	4.250in./108mm	International
4022490	4.250in./108mm	Allis Chalmers	43734DC	4.250in./108mm	International
4027169	3.578in./90.8mm	Chrysler	43734DCX	4.250in./108mm	International
4027172	3.375in./85.7mm	Chrysler	43734DD	4.250in./108mm	International
4027175	3.375in./85.7mm	Chrysler	43734DEX	4.250in./108mm	International
4027175	3.750in./95.3mm	Chrysler	43734DF	4.250in./108mm	International
4027175	4.188in./106.4mm	Chrysler	43734DFY	4.250in./108mm	International
403707	4.250in./108mm	Oldsmobile	43734DG	4.250in./108mm	International
404	2.660in./67.6mm	Buick	43734DHX	4.250in./108mm	International
405954	4.250in./108mm	Oldsmobile	43739	4.250in./108mm	International
407N	2.598in./66mm	Chevrolet	44025E	4.250in./108mm	Hercules
407N	3.031in./77mm	Toyota	4434	2.953in./75mm	Acura
407N	3.386in./86mm	Toyota	4434	2.953in./75mm	Honda
407N	3.531in./89.7mm	Chevrolet	4456	3.543in./90mm	Acura
407N	3.780in./96mm	Nissan	44571DB	5.250in./133.4mm	International
407N	3.850in./97.8mm	Ford	44571DE	5.250in./133.4mm	International
407N	3.937in./100mm	Mitsubishi	44571DEX	5.250in./133.4mm	International
40950E	4.250in./108mm	Hercules	44572	5.250in./133.4mm	International
4095246	4.125in./104.8mm	Chrysler	446530	4.180in./106.2mm	International
40991E	4.250in./108mm	Hercules	446530	4.180in./106.2mm	Navistar
40F	2.598in./66mm	Chevrolet	446530C1	4.180in./106.2mm	International
40F	3.031in./77mm	Toyota	446530C1	4.180in./106.2mm	Navistar
40F	3.386in./86mm	Toyota	446531C1	4.180in./106.2mm	International
40F	3.531in./89.7mm	Chevrolet	446531C1	4.180in./106.2mm	Navistar
40F	3.780in./96mm	Nissan	4487237	3.438in./87.3mm	American Motors
40F	3.850in./97.8mm	Ford	4487237	3.438in./87.3mm	American Motors

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
4487238	3.680in./93.5mm	American Motors	46402D	4.000in./101.6mm	Continental
4487238	3.680in./93.5mm	International	46402D	4.000in./101.6mm	International
45-T	2.598in./66mm	Chevrolet	4653	4.125in./104.8mm	Chevrolet
45-T	3.031in./77mm	Toyota	4672	3.250in./82.6mm	Chevrolet
45-T	3.386in./86mm	Toyota	4672	3.701in./94mm	Mazda
45-T	3.531in./89.7mm	Chevrolet	46827E	4.125in./104.8mm	Hercules
45-T	3.780in./96mm	Nissan	46828B	4.125in./104.8mm	Hercules
45-T	3.850in./97.8mm	Ford	46828E	4.125in./104.8mm	Hercules
45-T	3.937in./100mm	Mitsubishi	46829B	4.125in./104.8mm	Hercules
4502106	4.125in./104.8mm	Allis Chalmers	46829E	4.125in./104.8mm	Hercules
4502106	4.125in./104.8mm	Buda	46831E	4.125in./104.8mm	Hercules
4502106	4.375in./111.1mm	Buda	46839E	4.250in./108mm	Hercules
4502107	4.125in./104.8mm	Allis Chalmers	46923D	5.250in./133.4mm	International
4502107	4.125in./104.8mm	Buda	477440	3.688in./93.7mm	General Motors
4502107	4.375in./111.1mm	Buda	477440	3.688in./93.7mm	Oldsmobile
4503200	4.125in./104.8mm	Allis Chalmers	47830D	4.125in./104.8mm	Hercules
4503200	4.125in./104.8mm	Buda	480407	3.531in./89.7mm	Chevrolet
4503200	4.375in./111.1mm	Buda	4813	3.750in./95.3mm	Pontiac
4505959	4.125in./104.8mm	Allis Chalmers	481379	3.750in./95.3mm	Pontiac
4505959	4.125in./104.8mm	Buda	481380	3.750in./95.3mm	Pontiac
4505959	4.375in./111.1mm	Buda	493654	3.750in./95.3mm	Pontiac
4505959	4.500in./114.3mm	Hercules	49525B	4.250in./108mm	Hercules
4507700	4.125in./104.8mm	Allis Chalmers	49528E	4.250in./108mm	Hercules
4507700	4.125in./104.8mm	Buda	496452	3.750in./95.3mm	Pontiac
4507700	4.375in./111.1mm	Buda	496453	4.000in./101.6mm	Pontiac
4512316	4.125in./104.8mm	Allis Chalmers	4992111	3.000in./76.2mm	Pontiac
4512316	4.125in./104.8mm	Buda	499311	3.000in./76.2mm	Pontiac
4512978	4.125in./104.8mm	Allis Chalmers	4993111	3.000in./76.2mm	Pontiac
4512978	4.125in./104.8mm	Buda	4A	2.598in./66mm	Chevrolet
4514465	4.125in./104.8mm	Allis Chalmers	4A	3.031in./77mm	Toyota
4514465	4.125in./104.8mm	Buda	4A	3.386in./86mm	Toyota
4514465	4.375in./111.1mm	Buda	4A	3.531in./89.7mm	Chevrolet
4514467	4.125in./104.8mm	Allis Chalmers	4A	3.780in./96mm	Nissan
4514467	4.125in./104.8mm	Buda	4A	3.850in./97.8mm	Ford
4514467	4.375in./111.1mm	Buda	4A	3.937in./100mm	Mitsubishi
45571DB	5.250in./133.4mm	International	4AC	2.598in./66mm	Chevrolet
45571DC	5.250in./133.4mm	International	4AC	3.031in./77mm	Toyota
45571DCX	5.250in./133.4mm	International	4AC	3.386in./86mm	Toyota
45571DD	5.250in./133.4mm	International	4AC	3.531in./89.7mm	Chevrolet
45571DDX	5.250in./133.4mm	International	4AC	3.780in./96mm	Nissan
45571DE	5.250in./133.4mm	International	4AC	3.850in./97.8mm	Ford
45571DEX	5.250in./133.4mm	International	4AC	3.937in./100mm	Mitsubishi
45571FDX	5.250in./133.4mm	International	4AL	2.598in./66mm	Chevrolet
45572	5.250in./133.4mm	International	4AL	3.031in./77mm	Toyota
4568749	3.438in./87.33mm	Chevrolet	4AL	3.386in./86mm	Toyota
4568749	3.484in./88.5mm	Chevrolet	4AL	3.531in./89.7mm	Chevrolet
4568749	3.504in./89mm	Chevrolet	4AL	3.780in./96mm	Nissan
456CFG-5128	6.500in./165.1mm	Mack	4AL	3.850in./97.8mm	Ford
456CFG-5137	6.500in./165.1mm	Mack	4AL	3.937in./100mm	Mitsubishi
456GC-518A	6.000in./152.4mm	Mack	4F-8510	8.000in./203.2mm	Caterpillar
456GC-518E	6.000in./152.4mm	Mack	4F-8511	8.000in./203.2mm	Caterpillar
456GC-518F	6.000in./152.4mm	Mack	4F-9623	8.000in./203.2mm	Caterpillar
456GC-518G	6.000in./152.4mm	Mack	4G-3	2.874in./73mm	Toyota
456GC-543	6.000in./152.4mm	Mack	4G-3	2.953in./75mm	Mitsubishi
456GC-545	6.000in./152.4mm	Mack	4G-3	3.110in./79mm	Isuzu
456GC-545A	6.000in./152.4mm	Mack	4G-3	3.228in./82mm	Mitsubishi
4577	3.250in./82.6mm	Chevrolet	4G-3	3.268in./83mm	Chrysler
4577	3.701in./94mm	Mazda	4G-3	3.287in./83.5mm	Mitsubishi
45853D	4.250in./108mm	Hercules	4G-3	3.386in./86mm	Mitsubishi
45853E	4.250in./108mm	Hercules	4G1	2.874in./73mm	Toyota
45855E	4.250in./108mm	Hercules	4G1	2.953in./75mm	Mitsubishi
45857E	4.250in./108mm	Hercules	4G1	3.110in./79mm	Isuzu
45859B	4.250in./108mm	Hercules	4G1	3.228in./82mm	Mitsubishi
45859D	4.250in./108mm	Hercules	4G1	3.268in./83mm	Chrysler
45859E	4.250in./108mm	Hercules	4G1	3.287in./83.5mm	Mitsubishi
45868	4.250in./108mm	Hercules	4G1	3.386in./86mm	Mitsubishi
45868G	4.250in./108mm	Hercules	4G61	2.874in./73mm	Toyota
46024E	4.250in./108mm	Hercules	4G61	2.953in./75mm	Mitsubishi
460407	3.531in./89.7mm	Chevrolet	4G61	3.110in./79mm	Isuzu
460407	3.531in./89.7mm	Pontiac	4G61	3.228in./82mm	Mitsubishi

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
4G61	3.268in./83mm	Chrysler	4XCUT	3.502in./89mm	Toyota
4G61	3.287in./83.5mm	Mitsubishi	4ZE1	3.110in./79mm	Isuzu
4G61	3.386in./86mm	Mitsubishi	4ZE1	3.287in./83.5mm	Mitsubishi
4H-7032	8.000in./203.2mm	Caterpillar	4ZE1	3.438in./87.3mm	Oldsmobile
4H-9591	8.000in./203.2mm	Caterpillar	4ZE1	3.500in./88.9mm	Ford
4K	2.874in./73mm	Toyota	4ZE1	3.502in./89mm	Toyota
4K	2.953in./75mm	Mitsubishi	5 E	3.110in./79mm	Isuzu
4K	3.110in./79mm	Isuzu	5 E	3.287in./83.5mm	Mitsubishi
4K	3.228in./82mm	Mitsubishi	5 E	3.438in./87.3mm	Oldsmobile
4K	3.268in./83mm	Chrysler	5 E	3.500in./88.9mm	Ford
4K	3.287in./83.5mm	Mitsubishi	5 E	3.502in./89mm	Toyota
4K	3.386in./86mm	Mitsubishi	5-15-2	2.638in./67mm	Nissan
4K05	2.874in./73mm	Toyota	5-295	4.000in./101.6mm	Roiline
4K05	2.953in./75mm	Mitsubishi	5-295-1	4.000in./101.6mm	Roiline
4K05	3.110in./79mm	Isuzu	5-295-1X	4.000in./101.6mm	Roiline
4K05	3.228in./82mm	Mitsubishi	5-295-S4	4.000in./101.6mm	Roiline
4K05	3.268in./83mm	Chrysler	5-2951	4.000in./101.6mm	Roiline
4K05	3.287in./83.5mm	Mitsubishi	5-3452	4.500in./114.3mm	Roiline
4K05	3.386in./86mm	Mitsubishi	5-352-2	4.500in./114.3mm	Roiline
4M	3.500in./88.9mm	Ford Cleveland	5-354	4.500in./114.3mm	Roiline
4M-447	8.000in./203.2mm	Caterpillar	5-354-2	4.500in./114.3mm	Roiline
4M-9352	8.000in./203.2mm	Caterpillar	5-354-4	4.500in./114.3mm	Roiline
4M-9950	5.500in./139.7mm	Caterpillar	50024E	4.250in./108mm	Hercules
4M-9950	6.000in./152.4mm	Caterpillar	504	2.992in./76mm	Chevrolet
4M-9960	5.500in./139.7mm	Caterpillar	508E-6303	3.110in./79mm	Isuzu
4M-9960	6.000in./152.4mm	Caterpillar	508E-6303	3.287in./83.5mm	Mitsubishi
4MA	3.500in./88.9mm	Ford Cleveland	508E-6303	3.438in./87.3mm	Oldsmobile
4MAB	3.500in./88.9mm	Ford Cleveland	508E-6303	3.500in./88.9mm	Ford
4N-0008	6.000in./152.4mm	Caterpillar	508E-6303	3.502in./89mm	Toyota
4U	3.000in./76.2mm	Ford	5103281	5.000in./127mm	Detroit Diesel
4U	3.590in./91.2mm	Ford	5103318	4.500in./114.3mm	Detroit Diesel
4UA	3.000in./76.2mm	Ford	5116022	4.500in./114.3mm	Detroit Diesel
4UA	3.590in./91.2mm	Ford	5116029	4.500in./114.3mm	Detroit Diesel
4UAB	3.000in./76.2mm	Ford	5116030	4.500in./114.3mm	Detroit Diesel
4UAB	3.590in./91.2mm	Ford	511706	5.000in./127mm	Detroit Diesel
4UB	3.000in./76.2mm	Ford	5117212	5.000in./127mm	Detroit Diesel
4UB	3.590in./91.2mm	Ford	5117906	5.000in./127mm	Detroit Diesel
4XC-U	3.110in./79mm	Isuzu	5119906	5.000in./127mm	Detroit Diesel
4XC-U	3.287in./83.5mm	Mitsubishi	5132942	4.000in./101.6mm	General Motors
4XC-U	3.438in./87.3mm	Oldsmobile	5132942	5.000in./127mm	Detroit Diesel
4XC-U	3.500in./88.9mm	Ford	5136449	4.500in./114.3mm	Detroit Diesel
4XC-U	3.502in./89mm	Toyota	5144867	5.000in./127mm	Detroit Diesel
4XC-UT	3.110in./79mm	Isuzu	5145942	5.750in./146.1mm	Detroit Diesel
4XC-UT	3.287in./83.5mm	Mitsubishi	5146572	5.000in./127mm	Detroit Diesel
4XC-UT	3.438in./87.3mm	Oldsmobile	5146573	5.000in./127mm	Detroit Diesel
4XC-UT	3.500in./88.9mm	Ford	5154184	5.000in./127mm	Detroit Diesel
4XC-UT	3.502in./89mm	Toyota	5154256	5.000in./127mm	Detroit Diesel
4XC1-U	2.874in./73mm	Toyota	5154701	5.000in./127mm	Detroit Diesel
4XC1-U	2.953in./75mm	Mitsubishi	5154926	5.000in./127mm	Detroit Diesel
4XC1-U	3.110in./79mm	Isuzu	5154929	5.000in./127mm	Detroit Diesel
4XC1-U	3.228in./82mm	Mitsubishi	5155255	5.000in./127mm	Detroit Diesel
4XC1-U	3.268in./83mm	Chrysler	5160034	5.000in./127mm	Detroit Diesel
4XC1-U	3.287in./83.5mm	Mitsubishi	5173988	5.000in./127mm	Detroit Diesel
4XC1-U	3.386in./86mm	Mitsubishi	5179067	5.000in./127mm	Detroit Diesel
4XCIU	2.874in./73mm	Toyota	518047	3.250in./82.6mm	General Motors
4XCIU	2.953in./75mm	Mitsubishi	518047	3.250in./82.6mm	Pontiac
4XCIU	3.110in./79mm	Isuzu	5181377	4.500in./114.3mm	Detroit Diesel
4XCIU	3.228in./82mm	Mitsubishi	5182940	5.000in./127mm	Detroit Diesel
4XCIU	3.268in./83mm	Chrysler	5182942	5.000in./127mm	Detroit Diesel
4XCIU	3.287in./83.5mm	Mitsubishi	5184214	5.000in./127mm	Detroit Diesel
4XCIU	3.386in./86mm	Mitsubishi	52010D	5.250in./133.4mm	International
4XCU	3.110in./79mm	Isuzu	52010DA	5.250in./133.4mm	International
4XCU	3.287in./83.5mm	Mitsubishi	5214738	3.622in./92mm	Chrysler
4XCU	3.438in./87.3mm	Oldsmobile	521525	4.000in./101.6mm	Studebaker
4XCU	3.500in./88.9mm	Ford	521526	4.000in./101.6mm	Studebaker
4XCU	3.502in./89mm	Toyota	521601	3.250in./82.6mm	General Motors
4XCUT	3.110in./79mm	Isuzu	521601	3.250in./82.6mm	Pontiac
4XCUT	3.287in./83.5mm	Mitsubishi	521602	3.250in./82.6mm	General Motors
4XCUT	3.438in./87.3mm	Oldsmobile	521602	3.250in./82.6mm	Pontiac
4XCUT	3.500in./88.9mm	Ford	523206	3.563in./90.5mm	General Motors

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
523206	3.563in./90.5mm	Pontiac	568812	3.688in./93.7mm	Oldsmobile
525887	3.000in./76.2mm	Pontiac	5743013	3.250in./82.6mm	Chevrolet
526831	3.250in./82.6mm	Studebaker	5743013	3.250in./82.6mm	General Motors
526832	3.250in./82.6mm	Studebaker	5743014	3.250in./82.6mm	Chevrolet
526956	3.625in./92.1mm	Studebaker	574440	3.688in./93.7mm	General Motors
526956	4.000in./101.6mm	General Motors	574440	3.688in./93.7mm	Oldsmobile
528527	3.563in./90.5mm	General Motors	574544	3.688in./93.7mm	General Motors
528527	3.563in./90.5mm	Pontiac	574544	3.688in./93.7mm	Oldsmobile
530048	3.563in./90.5mm	General Motors	5750174	3.297in./83.8mm	Ford
530048	3.563in./90.5mm	Pontiac	5750174	3.656in./92.9mm	Ford
530081	3.250in./82.6mm	Studebaker	5773990	5.000in./127mm	Detroit Diesel
531369	3.563in./90.5mm	General Motors	577440	3.688in./93.7mm	General Motors
531369	3.563in./90.5mm	Pontiac	577440	3.688in./93.7mm	Oldsmobile
531369	3.750in./95.3mm	Pontiac	5782680	3.250in./82.6mm	Chevrolet
533439	2.813in./71.5mm	Studebaker	581921	3.622in./92mm	Triumph
53401D	6.500in./165.1mm	International	582740	3.688in./93.7mm	General Motors
53401DC	6.500in./165.1mm	International	582740	3.688in./93.7mm	Oldsmobile
534231	4.375in./111.1mm	Studebaker	582746	3.688in./93.7mm	General Motors
534251	4.375in./111.1mm	Studebaker	582746	3.688in./93.7mm	Oldsmobile
534254	4.375in./111.1mm	Studebaker	584722	3.980in./101.1mm	Oldsmobile
534521	4.375in./111.1mm	Studebaker	59-PK	2.756in./70mm	Toyota
535377	4.375in./111.1mm	Studebaker	59-PK	3.031in./77mm	Toyota
536452	3.250in./82.6mm	Studebaker	59-PK	3.346in./85mm	Toyota
537424	3.625in./92.1mm	Studebaker	59-PK	3.465in./88mm	Mitsubishi
537424	4.000in./101.6mm	General Motors	59-PK	3.622in./92mm	Chrysler
539000	3.750in./95.3mm	Pontiac	5A	2.756in./70mm	Toyota
539732	3.750in./95.3mm	Pontiac	5A	3.031in./77mm	Toyota
541585	3.750in./95.3mm	Pontiac	5A	3.346in./85mm	Toyota
542239	3.750in./95.3mm	Pontiac	5A	3.465in./88mm	Mitsubishi
542990	4.000in./101.6mm	Pontiac	5A	3.622in./92mm	Chrysler
54401DC	6.500in./165.1mm	International	5AK	2.756in./70mm	Toyota
54401DCX	6.500in./165.1mm	International	5AK	3.031in./77mm	Toyota
544100	3.750in./95.3mm	Pontiac	5AK	3.346in./85mm	Toyota
544191	3.750in./95.3mm	Pontiac	5AK	3.465in./88mm	Mitsubishi
55205	5.250in./133.4mm	International	5AK	3.622in./92mm	Chrysler
555638	3.438in./87.3mm	Oldsmobile	5F-5020	5.500in./139.7mm	Caterpillar
555699	3.438in./87.3mm	Oldsmobile	5G9-37	2.756in./70mm	Toyota
556607	3.385in./86mm	Oldsmobile	5G9-37	3.031in./77mm	Toyota
556607	3.531in./89.7mm	Chevrolet	5G9-37	3.346in./85mm	Toyota
558711	3.385in./86mm	Oldsmobile	5G9-37	3.465in./88mm	Mitsubishi
559432	3.438in./87.3mm	General Motors	5G9-37	3.622in./92mm	Chrysler
559432	3.438in./87.3mm	Oldsmobile	5H-7375	5.500in./139.7mm	Caterpillar
5607	2.938in./74.6mm	Chevrolet Corvair	5H-7375	6.000in./152.4mm	Caterpillar
561656	3.438in./87.3mm	General Motors	5M	4.000in./101.6mm	Ford
561656	3.438in./87.3mm	Oldsmobile	5MA	4.000in./101.6mm	Ford
562746	3.688in./93.7mm	General Motors	5MAB	4.000in./101.6mm	Ford
562746	3.688in./93.7mm	Oldsmobile	5MABC	4.000in./101.6mm	Ford
565524DYNA	3.110in./79mm	Isuzu	5X-403	4.500in./114.3mm	Hercules
565524DYNA	3.287in./83.5mm	Mitsubishi	6-71	5.000in./127mm	Detroit Diesel
565524DYNA	3.438in./87.3mm	Oldsmobile	6-H	2.701in./68.6mm	Ford
565524DYNA	3.500in./88.9mm	Ford	6-H	3.031in./77mm	Suzuki
565524DYNA	3.502in./89mm	Toyota	6-H	3.150in./80mm	Chevrolet
565624	3.438in./87.3mm	General Motors	6-H	3.465in./88mm	Mitsubishi
565624	3.438in./87.3mm	Oldsmobile	6-H	3.465in./88mm	Nissan
565624DYNA	3.438in./87.3mm	General Motors	6-H	3.583in./91mm	Toyota
565624DYNA	3.438in./87.3mm	Oldsmobile	6-H	4.400in./111.8mm	Ford
565699	3.438in./87.3mm	General Motors	60835H	4.500in./114.3mm	International
565699	3.438in./87.3mm	Oldsmobile	60835HA	4.500in./114.3mm	International
565699	3.688in./93.7mm	General Motors	60835HB	4.500in./114.3mm	International
565699	3.688in./93.7mm	Oldsmobile	60889HC	4.250in./108mm	International
5671-1	6.000in./152.4mm	Cummins	6107432	3.813in./96.9mm	General Motors
5671-2	6.000in./152.4mm	Cummins	6116028	4.500in./114.3mm	Detroit Diesel
5672	6.000in./152.4mm	Cummins	61265R1	5.250in./133.4mm	International
5672-1	6.000in./152.4mm	Cummins	620035	4.375in./111.1mm	Chrysler
5672-2	6.000in./152.4mm	Cummins	6223	2.953in./75mm	Chevrolet
567405	3.438in./87.3mm	General Motors	6223	3.650in./92.7mm	Chevrolet
567405	3.438in./87.3mm	Oldsmobile	6223	3.766in./95.7mm	Chevrolet
567943	3.438in./87.3mm	General Motors	6255607	2.593in./65.9mm	Chevrolet Corvair
567943	3.438in./87.3mm	Oldsmobile	63-GC	3.465in./88mm	Mitsubishi
568812	3.688in./93.7mm	General Motors	63-GC	3.622in./92mm	Chrysler

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
630320	4.375in./111.1mm		732596	4.375in./111.1mm	Continental
635280	4.375in./111.1mm		733536	3.980in./101.1mm	Continental
635380	4.375in./111.1mm		733536	4.375in./111.1mm	Continental
638121	4.375in./111.1mm		733863	3.980in./101.1mm	Continental
63GC	3.465in./88mm	Mitsubishi	733863	4.375in./111.1mm	Continental
63GC	3.622in./92mm	Chrysler	734452	3.980in./101.1mm	Continental
63GU	3.465in./88mm	Mitsubishi	734452	4.375in./111.1mm	Continental
63GU	3.622in./92mm	Chrysler	734542	3.980in./101.1mm	Continental
641127	4.375in./111.1mm		734542	4.375in./111.1mm	Continental
646318	4.375in./111.1mm		74062R1	4.125in./104.8mm	International
65-RU	3.465in./88mm	Mitsubishi	7416	4.000in./101.6mm	Chevrolet
65-RU	3.622in./92mm	Chrysler	74962R1	4.125in./104.8mm	International
651827	3.578in./90.8mm	General Motors	74TM	2.701in./68.6mm	Ford
665792	4.250in./108mm	Chrysler	74TM	3.031in./77mm	Suzuki
665792	4.250in./108mm	DeSoto	74TM	3.150in./80mm	Chevrolet
665792	4.500in./114.3mm	Chrysler	74TM	3.465in./88mm	Mitsubishi
665792	4.500in./114.3mm	Dodge	74TM	3.465in./88mm	Nissan
666739	4.063in./103.2mm	Chrysler	74TM	3.583in./91mm	Toyota
666739	4.500in./114.3mm	Chrysler	74TM	4.400in./111.8mm	Ford
666739	4.500in./114.3mm	Dodge	74TM-AA	2.701in./68.6mm	Ford
672016	3.859in./98mm	General Motors	7501366	4.125in./104.8mm	Chrysler
673498	4.500in./114.3mm	Chrysler	762706	4.500in./114.3mm	Chrysler
673498	4.500in./114.3mm	Dodge	762706	4.500in./114.3mm	Dodge
6764	3.000in./76.2mm	Chevrolet	76TM	2.701in./68.6mm	Ford
6764	3.347in./85mm	Chevrolet	76TM	3.031in./77mm	Suzuki
68-6303	3.750in./95.3mm	Ford	76TM	3.150in./80mm	Chevrolet
684	3.000in./76.2mm	Pontiac	76TM	3.465in./88mm	Mitsubishi
69-GU	3.465in./88mm	Mitsubishi	76TM	3.465in./88mm	Nissan
69-GU	3.622in./92mm	Chrysler	76TM	3.583in./91mm	Toyota
6AM	3.465in./88mm	Mitsubishi	76TM	4.400in./111.8mm	Ford
6AM	3.622in./92mm	Chrysler	771	3.000in./76.2mm	Pontiac
6F-1913	8.000in./203.2mm	Caterpillar	777	3.000in./76.2mm	Pontiac
6F-1914	8.000in./203.2mm	Caterpillar	77A	2.701in./68.6mm	Ford
6H-5840	8.000in./203.2mm	Caterpillar	77A	3.031in./77mm	Suzuki
6M	2.701in./68.6mm	Ford	77A	3.150in./80mm	Chevrolet
6M	3.031in./77mm	Suzuki	77A	3.465in./88mm	Mitsubishi
6M	3.150in./80mm	Chevrolet	77A	3.465in./88mm	Nissan
6M	3.465in./88mm	Mitsubishi	77A	3.583in./91mm	Toyota
6M	3.465in./88mm	Nissan	77A	4.400in./111.8mm	Ford
6M	3.583in./91mm	Toyota	78TM	2.701in./68.6mm	Ford
6M	4.400in./111.8mm	Ford	78TM	3.031in./77mm	Suzuki
70-2340	2.638in./67mm	Nissan	78TM	3.150in./80mm	Chevrolet
70-2340	2.886in./73.3mm	Nissan	78TM	3.465in./88mm	Mitsubishi
70115R1	3.688in./93.7mm	International	78TM	3.465in./88mm	Nissan
70115R3	3.688in./93.7mm	International	78TM	3.583in./91mm	Toyota
70118R1	3.688in./93.7mm	International	78TM	4.400in./111.8mm	Ford
70118R1	4.016in./102mm	International	78TM-CA	2.701in./68.6mm	Ford
70HM	3.031in./77mm	Ford	78TM-CA	3.031in./77mm	Suzuki
70HM-AKA	3.031in./77mm	Ford	78TM-CA	3.150in./80mm	Chevrolet
7115	2.953in./75mm	Chevrolet	78TM-CA	3.465in./88mm	Mitsubishi
7115	3.650in./92.7mm	Chevrolet	78TM-CA	3.465in./88mm	Nissan
7115	3.766in./95.7mm	Chevrolet	78TM-CA	3.583in./91mm	Toyota
711M-AC	2.100in./53.3mm	Ford	78TM-CA	4.400in./111.8mm	Ford
711M-AD	2.100in./53.3mm	Ford	7B-7452	8.000in./203.2mm	Caterpillar
7184N	2.992in./76mm	Chevrolet	7B-7937	8.000in./203.2mm	Caterpillar
7243N	2.701in./68.6mm	Ford	7B-9511	8.000in./203.2mm	Caterpillar
7243N	3.031in./77mm	Suzuki	7B-9578	8.000in./203.2mm	Caterpillar
7243N	3.150in./80mm	Chevrolet	7B-9620	8.000in./203.2mm	Caterpillar
7243N	3.465in./88mm	Mitsubishi	7B-9654	5.500in./139.7mm	Caterpillar
7243N	3.465in./88mm	Nissan	7F-8511	8.000in./203.2mm	Caterpillar
7243N	3.583in./91mm	Toyota	7HA	2.701in./68.6mm	Ford
7243N	4.400in./111.8mm	Ford	7HA	3.031in./77mm	Suzuki
7248N	3.150in./80mm	Chevrolet	7HA	3.150in./80mm	Chevrolet
726N	3.484in./88.5mm	Chevrolet	7HA	3.465in./88mm	Mitsubishi
7293	2.938in./74.6mm	Chevrolet Corvair	7HA	3.465in./88mm	Nissan
72HM-JA	3.031in./77mm	Ford	7HA	3.583in./91mm	Toyota
732	2.660in./67.6mm	Buick	7HA	4.400in./111.8mm	Ford
7325596	3.980in./101.1mm	Continental	7HA-6303	2.701in./68.6mm	Ford
7325596	4.375in./111.1mm	Continental	7HA-6303	3.031in./77mm	Suzuki
732596	3.980in./101.1mm	Continental	7HA-6303	3.150in./80mm	Chevrolet

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
7HA-6303	3.465in./88mm	Mitsubishi	864718	4.250in./108mm	Chrysler
7HA-6303	3.465in./88mm	Nissan	864718	4.250in./108mm	DeSoto
7HA-6303	3.583in./91mm	Toyota	864718	4.500in./114.3mm	Chrysler
7HA-6303	4.400in./111.8mm	Ford	864718	4.500in./114.3mm	Dodge
7M	3.500in./88.9mm	Ford Windsor	864718	4.625in./117.5mm	Chrysler
7M	in./mm	Ford Windsor	864718	4.625in./117.5mm	Dodge
7M-4400	5.500in./139.7mm	Caterpillar	864719	4.375in./111.1mm	Chrysler
7M-4400	6.000in./152.4mm	Caterpillar	868929	4.625in./117.5mm	Chrysler
7MA	3.500in./88.9mm	Ford Windsor	868929	4.625in./117.5mm	Dodge
7MA	in./mm	Ford Windsor	8698461	3.375in./85.7mm	Chrysler
7N-3408	6.000in./152.4mm	Caterpillar	8698461	3.750in./95.3mm	Chrysler
8	2.598in./66mm	Toyota	8698461	4.188in./106.4mm	Chrysler
8034	2.992in./76mm	Mazda	86TM-BA	2.701in./68.6mm	Ford
81-K	2.701in./68.6mm	Ford	86TM-BA	2.831in./71.9mm	Ford
81-K	3.031in./77mm	Suzuki	86TM-BA	3.125in./79.4mm	Ford
81-K	3.150in./80mm	Chevrolet	86TM-BA	3.150in./80mm	Chevrolet
81-K	3.465in./88mm	Mitsubishi	86TM-BA	3.386in./86mm	Volkswagen
81-K	3.465in./88mm	Nissan	86TM-BA	3.531in./89.7mm	Chevrolet
81-K	3.583in./91mm	Toyota	86TM-BA	3.622in./92mm	Nissan
81-K	4.400in./111.8mm	Ford	86TM-BA	4.400in./111.8mm	Ford
817	2.992in./76mm	Chevrolet	8705N	2.913in./74mm	Chevrolet
817268R1	3.656in./92.9mm	International	870715	4.250in./108mm	Chrysler
82856	4.313in./109.6mm	International	870715	4.250in./108mm	DeSoto
82TM	2.701in./68.6mm	Ford	870715	4.500in./114.3mm	Chrysler
82TM	2.831in./71.9mm	Ford	870715	4.500in./114.3mm	Dodge
82TM	3.125in./79.4mm	Ford	870744	4.500in./114.3mm	Chrysler
82TM	3.150in./80mm	Chevrolet	870744	4.500in./114.3mm	Dodge
82TM	3.386in./86mm	Volkswagen	8767	2.660in./67.6mm	Buick
82TM	3.531in./89.7mm	Chevrolet	883550	4.000in./101.6mm	General Motors
82TM	3.622in./92mm	Nissan	887652N	2.701in./68.6mm	Ford
82TM	4.400in./111.8mm	Ford	887652N	2.831in./71.9mm	Ford
82TM-HAA	2.701in./68.6mm	Ford	887652N	3.125in./79.4mm	Ford
82TM-HAA	2.831in./71.9mm	Ford	887652N	3.150in./80mm	Chevrolet
82TM-HAA	3.125in./79.4mm	Ford	887652N	3.386in./86mm	Volkswagen
82TM-HAA	3.150in./80mm	Chevrolet	887652N	3.531in./89.7mm	Chevrolet
82TM-HAA	3.386in./86mm	Volkswagen	887652N	3.622in./92mm	Nissan
82TM-HAA	3.531in./89.7mm	Chevrolet	887652N	4.400in./111.8mm	Ford
82TM-HAA	3.622in./92mm	Nissan	8877367	3.859in./98mm	General Motors
82TM-HAA	4.400in./111.8mm	Ford	88TM-BA	2.701in./68.6mm	Ford
836712R2	3.219in./81.76mm	International	88TM-BA	2.831in./71.9mm	Ford
836712R2	3.219in./81.8mm	International	88TM-BA	3.125in./79.4mm	Ford
837719R1	4.125in./104.8mm	International	88TM-BA	3.150in./80mm	Chevrolet
837719R1	5.000in./127mm	International	88TM-BA	3.386in./86mm	Volkswagen
839111	3.750in./95.3mm	Chevrolet	88TM-BA	3.531in./89.7mm	Chevrolet
83917R1	4.125in./104.8mm	International	88TM-BA	3.622in./92mm	Nissan
83917R1	5.000in./127mm	International	88TM-BA	4.400in./111.8mm	Ford
83917R2	4.125in./104.8mm	International	8BA	3.750in./95.3mm	Ford
83917R2	5.000in./127mm	International	8CM	3.750in./95.3mm	Ford
83917R3	4.125in./104.8mm	International	8DC-1125	in./mm	Continental
83917R3	5.000in./127mm	International	8DC-1125	6.500in./165.1mm	Buda
839750	3.938in./100mm	Chevrolet	8DCS-1125	in./mm	Continental
839775	3.750in./95.3mm	Chevrolet	8DCS-1125	6.500in./165.1mm	Buda
8409	2.593in./65.9mm	Chevrolet Corvair	8F-6777	5.500in./139.7mm	Caterpillar
8424	3.250in./82.6mm	Chevrolet	8F28	2.701in./68.6mm	Ford
8424	3.250in./82.6mm	General Motors	8F28	2.831in./71.9mm	Ford
8424	3.250in./82.6mm	Pontiac	8F28	3.125in./79.4mm	Ford
851M	2.701in./68.6mm	Ford	8F28	3.150in./80mm	Chevrolet
851M	2.831in./71.9mm	Ford	8F28	3.386in./86mm	Volkswagen
851M	3.125in./79.4mm	Ford	8F28	3.531in./89.7mm	Chevrolet
851M	3.150in./80mm	Chevrolet	8F28	3.622in./92mm	Nissan
851M	3.386in./86mm	Volkswagen	8F28	4.400in./111.8mm	Ford
851M	3.531in./89.7mm	Chevrolet	8H-5320	8.000in./203.2mm	Caterpillar
851M	3.622in./92mm	Nissan	8HA	2.701in./68.6mm	Ford
851M	4.400in./111.8mm	Ford	8HA	2.831in./71.9mm	Ford
852856	4.313in./109.6mm	International	8HA	3.125in./79.4mm	Ford
856080	4.375in./111.1mm	Chrysler	8HA	3.150in./80mm	Chevrolet
863706	4.500in./114.3mm	Chrysler	8HA	3.386in./86mm	Volkswagen
863706	4.500in./114.3mm	Dodge	8HA	3.531in./89.7mm	Chevrolet
863712	3.219in./81.76mm	International	8HA	3.622in./92mm	Nissan
863712	3.219in./81.8mm	International	8HA	4.400in./111.8mm	Ford

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
8HA-6303	2.701in./68.6mm	Ford	9166N	3.622in./92mm	Nissan
8HA-6303	2.831in./71.9mm	Ford	91A	3.750in./95.3mm	Ford
8HA-6303	3.125in./79.4mm	Ford	91A-6303-A	2.598in./66mm	Chevrolet
8HA-6303	3.150in./80mm	Chevrolet	91A-6303-A	2.831in./71.9mm	Ford
8HA-6303	3.386in./86mm	Volkswagen	91A-6303-A	3.031in./77mm	Suzuki
8HA-6303	3.531in./89.7mm	Chevrolet	91A-6303-A	3.307in./84mm	Ford
8HA-6303	3.622in./92mm	Nissan	91A-6303-A	3.318in./84.3mm	Ford
8HA-6303	4.400in./111.8mm	Ford	91A-6303-A	3.461in./87.9mm	Ford
8M	3.500in./88.9mm	Ford	91A-6303-A	3.609in./91.7mm	Ford
8M-4500	5.500in./139.7mm	Caterpillar	91A-6303-A	3.622in./92mm	Nissan
8M-4500	6.000in./152.4mm	Caterpillar	91A-6303-B	2.598in./66mm	Chevrolet
8M-4502	5.500in./139.7mm	Caterpillar	91A-6303-B	2.831in./71.9mm	Ford
8M-4502	6.000in./152.4mm	Caterpillar	91A-6303-B	3.031in./77mm	Suzuki
8MTH	2.701in./68.6mm	Ford	91A-6303-B	3.307in./84mm	Ford
8MTH	2.831in./71.9mm	Ford	91A-6303-B	3.318in./84.3mm	Ford
8MTH	3.125in./79.4mm	Ford	91A-6303-B	3.461in./87.9mm	Ford
8MTH	3.150in./80mm	Chevrolet	91A-6303-B	3.609in./91.7mm	Ford
8MTH	3.386in./86mm	Volkswagen	91A-6303-B	3.622in./92mm	Nissan
8MTH	3.531in./89.7mm	Chevrolet	91H	3.750in./95.3mm	Ford
8MTH	3.622in./92mm	Nissan	91H-6303-B	2.598in./66mm	Chevrolet
8MTH	4.400in./111.8mm	Ford	91H-6303-B	2.831in./71.9mm	Ford
8N	3.750in./95.3mm	Ford	91H-6303-B	3.031in./77mm	Suzuki
8N	3.750in./95.3mm	Ford Tractor	91H-6303-B	3.307in./84mm	Ford
9	2.598in./66mm	Toyota	91H-6303-B	3.318in./84.3mm	Ford
90-21-0	2.598in./66mm	Chevrolet	91H-6303-B	3.461in./87.9mm	Ford
90-21-0	2.831in./71.9mm	Ford	91H-6303-B	3.609in./91.7mm	Ford
90-21-0	3.031in./77mm	Suzuki	91H-6303-B	3.622in./92mm	Nissan
90-21-0	3.307in./84mm	Ford	91K	2.598in./66mm	Chevrolet
90-21-0	3.318in./84.3mm	Ford	91K	2.831in./71.9mm	Ford
90-21-0	3.461in./87.9mm	Ford	91K	3.031in./77mm	Suzuki
90-21-0	3.609in./91.7mm	Ford	91K	3.307in./84mm	Ford
90-21-0	3.622in./92mm	Nissan	91K	3.318in./84.3mm	Ford
90003C	2.701in./68.6mm	Ford	91K	3.461in./87.9mm	Ford
90003C	2.831in./71.9mm	Ford	91K	3.609in./91.7mm	Ford
90003C	3.125in./79.4mm	Ford	91K	3.622in./92mm	Nissan
90003C	3.150in./80mm	Chevrolet	91TM-AA	2.598in./66mm	Chevrolet
90003C	3.386in./86mm	Volkswagen	91TM-AA	2.831in./71.9mm	Ford
90003C	3.531in./89.7mm	Chevrolet	91TM-AA	3.031in./77mm	Suzuki
90003C	3.622in./92mm	Nissan	91TM-AA	3.307in./84mm	Ford
90003C	4.400in./111.8mm	Ford	91TM-AA	3.318in./84.3mm	Ford
90156143	3.150in./80mm	Pontiac	91TM-AA	3.461in./87.9mm	Ford
908292	4.000in./101.6mm	Studebaker	91TM-AA	3.609in./91.7mm	Ford
90TM-6303-AB	3.307in./84mm	Ford	91TM-AA	3.622in./92mm	Nissan
90TM-AA	2.598in./66mm	Chevrolet	928928	3.980in./101.1mm	Continental
90TM-AA	2.831in./71.9mm	Ford	928928	4.375in./111.1mm	Continental
90TM-AA	3.031in./77mm	Suzuki	928928	4.375in./111.1mm	Jeep
90TM-AA	3.307in./84mm	Ford	934652	4.375in./111.1mm	Jeep
90TM-AA	3.318in./84.3mm	Ford	93917R1	4.125in./104.8mm	International
90TM-AA	3.461in./87.9mm	Ford	93917R1	5.000in./127mm	International
90TM-AA	3.609in./91.7mm	Ford	93917R3	4.125in./104.8mm	International
90TM-AA	3.622in./92mm	Nissan	93917R3	5.000in./127mm	International
90TM-AB	2.598in./66mm	Chevrolet	952068	4.375in./111.1mm	Chrysler
90TM-AB	2.831in./71.9mm	Ford	966441	5.000in./127mm	Case
90TM-AB	3.031in./77mm	Suzuki	969267	5.000in./127mm	Case
90TM-AB	3.307in./84mm	Ford	96TM-AA	2.992in./76mm	Mitsubishi
90TM-AB	3.318in./84.3mm	Ford	96TM-AA	3.189in./81mm	Chrysler
90TM-AB	3.461in./87.9mm	Ford	96TM-AA	3.189in./81mm	Mazda
90TM-AB	3.609in./91.7mm	Ford	96TM-AA	3.307in./84mm	Ford
90TM-AB	3.622in./92mm	Nissan	96TM-AA	3.318in./84.3mm	Ford
9115	2.953in./75mm	Chevrolet	96TM-AA	3.622in./92mm	Isuzu
9115	3.650in./92.7mm	Chevrolet	96TM-AA	4.250in./108mm	Ford
9115	3.766in./95.7mm	Chevrolet	97011-B	8.250in./209.6mm	Waukesha
9116N	2.598in./66mm	Chevrolet	97011-C	8.250in./209.6mm	Waukesha
9166N	2.598in./66mm	Chevrolet	976321	4.125in./104.8mm	Case
9166N	2.831in./71.9mm	Ford	9770488	4.000in./101.6mm	Pontiac
9166N	3.031in./77mm	Suzuki	9773382	3.750in./95.3mm	Pontiac
9166N	3.307in./84mm	Ford	9773383	3.750in./95.3mm	Pontiac
9166N	3.318in./84.3mm	Ford	9773384	4.000in./101.6mm	Pontiac
9166N	3.461in./87.9mm	Ford	9773524	3.750in./95.3mm	Pontiac
9166N	3.609in./91.7mm	Ford	9773573	3.750in./95.3mm	Pontiac

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
9782279	3.250in./82.6mm	Chevrolet	A870	3.071in./78mm	Nissan
9782279	3.250in./82.6mm	General Motors	A874	3.071in./78mm	Nissan
9782297	3.250in./82.6mm	Pontiac	AD	2.992in./76mm	Mitsubishi
9782646	3.750in./95.3mm	Pontiac	AD	3.189in./81mm	Chrysler
9782769	4.000in./101.6mm	Pontiac	AD	3.189in./81mm	Mazda
9782770	3.750in./95.3mm	Pontiac	AD	3.307in./84mm	Ford
9783785	3.750in./95.3mm	Pontiac	AD	3.318in./84.3mm	Ford
9783786	3.750in./95.3mm	Pontiac	AD	3.622in./92mm	Isuzu
9783787	4.000in./101.6mm	Pontiac	AD	4.250in./108mm	Ford
9790154	3.531in./89.7mm	Chevrolet	AY	2.992in./76mm	Mitsubishi
9793573	3.750in./95.3mm	Pontiac	AY	3.189in./81mm	Chrysler
9794054	3.750in./95.3mm	Pontiac	AY	3.189in./81mm	Mazda
97954	3.750in./95.3mm	Pontiac	AY	3.307in./84mm	Ford
9795479	3.750in./95.3mm	Pontiac	AY	3.318in./84.3mm	Ford
9799103	4.210in./106.9mm	Pontiac	AY	3.622in./92mm	Isuzu
97TM-	2.992in./76mm	Mitsubishi	AY	4.250in./108mm	Ford
97TM-	3.189in./81mm	Chrysler	B	3.268in./83mm	Mazda
97TM-	3.189in./81mm	Mazda	B-1937	4.125in./104.8mm	Buda
97TM-	3.307in./84mm	Ford	B-2097W	4.125in./104.8mm	Allis Chalmers
97TM-	3.318in./84.3mm	Ford	B-2097W	4.125in./104.8mm	Buda
97TM-	3.622in./92mm	Isuzu	B-2097W	4.375in./111.1mm	Buda
97TM-	4.250in./108mm	Ford	B-2106	4.125in./104.8mm	Allis Chalmers
981	3.307in./84mm	Chevrolet	B-2106	4.125in./104.8mm	Buda
99A	3.750in./95.3mm	Ford	B-2106	4.375in./111.1mm	Buda
99A-6303	3.750in./95.3mm	Ford	B-2107	4.125in./104.8mm	Allis Chalmers
9N	3.750in./95.3mm	Ford	B-2107	4.125in./104.8mm	Buda
9N	3.750in./95.3mm	Ford Tractor	B-2107	4.375in./111.1mm	Buda
9N-8013	4.500in./114.3mm	Caterpillar	B-3200	4.125in./104.8mm	Allis Chalmers
A	3.500in./88.9mm	Ford	B-3200	4.125in./104.8mm	Buda
A-39151	4.125in./104.8mm	Case	B-3200	4.375in./111.1mm	Buda
A-39151	4.391in./111.5mm	International	B-5960	4.375in./111.1mm	Buda
A-399	4.500in./114.3mm	Detroit Diesel	B-769	4.125in./104.8mm	Buda
A-6303	2.992in./76mm	Mitsubishi	B301	2.992in./76mm	Mitsubishi
A-6303	3.189in./81mm	Chrysler	B301	3.189in./81mm	Chrysler
A-6303	3.189in./81mm	Mazda	B301	3.189in./81mm	Mazda
A-6303	3.307in./84mm	Ford	B301	3.307in./84mm	Ford
A-6303	3.318in./84.3mm	Ford	B301	3.318in./84.3mm	Ford
A-6303	3.622in./92mm	Isuzu	B301	3.622in./92mm	Isuzu
A-6303	4.250in./108mm	Ford	B301	4.250in./108mm	Ford
A-6303-A	2.992in./76mm	Mitsubishi	B3C7	3.268in./83mm	Mazda
A-6303-A	3.189in./81mm	Chrysler	B3C7	3.297in./83.8mm	Ford
A-6303-A	3.189in./81mm	Mazda	B4A-6303-B	3.268in./83mm	Mazda
A-6303-A	3.307in./84mm	Ford	B4A-6303-B	3.297in./83.8mm	Ford
A-6303-A	3.318in./84.3mm	Ford	B4A-B	3.268in./83mm	Mazda
A-6303-A	3.622in./92mm	Isuzu	B4A-B	3.297in./83.8mm	Ford
A-6303-A	4.250in./108mm	Ford	B5A-6303-B	3.268in./83mm	Mazda
A0638	2.638in./67mm	Nissan	B5A-6303-B	3.297in./83.8mm	Ford
A138818	5.000in./127mm	Case	B5A-6303-B	3.307in./84mm	Mazda
A1456	3.150in./80mm	Audi	B5A-6303-B	3.500in./88.9mm	Ford
A1456	3.150in./80mm	Volkswagen	B5Q-6303-A	3.297in./83.8mm	Ford
A1456	3.386in./86mm	Volkswagen	B5Q-6303-A	3.307in./84mm	Mazda
A1D	2.992in./76mm	Mitsubishi	B5Q-6303-A	3.500in./88.9mm	Ford
A1D	3.189in./81mm	Chrysler	B5Q-6303A	3.500in./88.9mm	Ford
A1D	3.189in./81mm	Mazda	B5S-6303-A	3.297in./83.8mm	Ford
A1D	3.307in./84mm	Ford	B5S-6303-A	3.307in./84mm	Mazda
A1D	3.318in./84.3mm	Ford	B5S-6303-A	3.500in./88.9mm	Ford
A1D	3.622in./92mm	Isuzu	B600C-601	3.980in./101.1mm	Continental
A1D	4.250in./108mm	Ford	B600C-601	4.375in./111.1mm	Continental
A301	2.992in./76mm	Mitsubishi	B616	3.297in./83.8mm	Ford
A301	3.189in./81mm	Chrysler	B616	3.307in./84mm	Mazda
A301	3.189in./81mm	Mazda	B616	3.500in./88.9mm	Ford
A301	3.307in./84mm	Ford	B630	3.307in./84mm	Mazda
A301	3.318in./84.3mm	Ford	B630	3.346in./85mm	Mazda
A301	3.622in./92mm	Isuzu	B657	3.307in./84mm	Mazda
A301	4.250in./108mm	Ford	B657	3.346in./85mm	Mazda
A5638R	6.375in./161.9mm	John Deere	B6S	3.307in./84mm	Mazda
A65097	5.000in./127mm	Case	B6S7	3.307in./84mm	Kia
A66772	5.000in./127mm	Case	B7	3.268in./83mm	Toyota
A77147	5.000in./127mm	Case	B9ME-D	3.703in./94.1mm	Ford
A87	3.071in./78mm	Nissan	B9NN	3.600in./91.4mm	Ford

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
B9NN	3.600in./91.4mm	Ford Tractor	C2DE-A	2.500in./63.5mm	Ford
B9NN-6202-B	3.600in./91.4mm	Ford Tractor	C2DE-A	2.938in./74.6mm	Ford
B9NN-6302-B	3.600in./91.4mm	Ford Tractor	C2DE-A	3.125in./79.4mm	Ford
B9NN-6302-B	4.203in./106.8mm	Ford Tractor	C2OE	3.781in./96mm	Ford
BA-6303	3.750in./95.3mm	Ford	C2OE-A	2.870in./72.9mm	Ford
BB-14K	4.000in./101.6mm	Waukesha	C2OE-A	3.000in./76.2mm	Ford
BB-38-AX	3.500in./88.9mm	Austin	C2OZ	2.870in./72.9mm	Ford
BB-38-AX	3.504in./89mm	MG	C2OZ	2.875in./73mm	Ford
BB-38-AX	3.504in./89mm	Morris	C2OZ	3.000in./76.2mm	Ford
BD-14-A	4.000in./101.6mm	Waukesha	C2OZ-B	2.870in./72.9mm	Ford
BD-14-K	4.000in./101.6mm	Waukesha	C2OZ-B	3.385in./86mm	Pontiac
BE-53-B	2.677in./68mm	Austin	C2TE-6303-C	3.656in./92.9mm	Ford
BE-53-B	2.992in./76mm	Austin	C2TE-6303A	3.750in./95.3mm	Ford
BE-53-B	2.992in./76mm	MG	C2TE-6303C	3.297in./83.8mm	Ford
BHV	3.189in./81mm	Chrysler	C2TE-6303C	3.656in./92.9mm	Ford
BP	3.228in./82mm	Isuzu	C2TE-A	3.750in./95.3mm	Ford
BT-79-3	3.500in./88.9mm	Austin	C2TE-A	4.200in./106.7mm	Ford
BT-79-3	3.504in./89mm	MG	C2TE-A	4.500in./114.3mm	Hercules
BT-79-3	3.504in./89mm	Morris	C2TE-B	4.200in./106.7mm	Ford
C	3.150in./80mm	Volvo	C2TE-C	3.656in./92.9mm	Ford
C-5145	4.250in./108mm	Hercules	C2TE-D	3.656in./92.9mm	Ford
C0AE-B	3.500in./88.9mm	Ford	C2TZ-6303A	3.750in./95.3mm	Ford
C0E-A	2.870in./72.9mm	Ford	C2TZ-6303A	4.500in./114.3mm	Hercules
C0E-A	2.953in./75mm	BMW	C2TZ-6303B	3.750in./95.3mm	Ford
C0E-A	3.000in./76.2mm	Ford	C2TZ-6303B	4.500in./114.3mm	Hercules
C0NN	2.500in./63.5mm	Ford	C2VE	3.500in./88.9mm	Ford
C0NN	2.992in./76mm	Chevrolet	C2VE	3.703in./94.1mm	Ford
C0NN	3.600in./91.4mm	Ford	C2VE-A	3.703in./94.1mm	Ford
C0NN	3.600in./91.4mm	Ford Tractor	C30E-A	2.500in./63.5mm	Ford
C0NN-C	3.600in./91.4mm	Ford Tractor	C30E-A	2.938in./74.6mm	Ford
C1AE	3.781in./96mm	Ford	C30E-A	3.125in./79.4mm	Ford
C1AE-A	3.781in./96mm	Ford	C30E-B	2.870in./72.9mm	Ford
C1AE-B	3.609in./91.7mm	Ford	C30E-B	2.953in./75mm	BMW
C1AE-B	3.609in./91.7mm	Ford Tractor	C3OZ	2.870in./72.9mm	Ford
C1AE-B	3.781in./96mm	Ford	C3OZ	2.953in./75mm	BMW
C1AE-B	3.906in./99.2mm	Ford	C3OZ-A	2.500in./63.5mm	Ford
C1AE-B	3.906in./99.2mm	Ford Tractor	C3OZ-A	2.938in./74.6mm	Ford
C1AE-D	3.781in./96mm	Ford	C3OZ-A	3.125in./79.4mm	Ford
C1AE-F	3.609in./91.7mm	Ford	C3OZ-E	2.500in./63.5mm	Ford
C1AE-F	3.609in./91.7mm	Ford Tractor	C3OZ-E	2.938in./74.6mm	Ford
C1AE-F	3.906in./99.2mm	Ford	C3OZ-E	3.125in./79.4mm	Ford
C1AE-F	3.906in./99.2mm	Ford Tractor	C3AE	3.500in./88.9mm	Ford
C1AE-G	3.781in./96mm	Ford	C3AE	3.781in./96mm	Ford
C1K	3.150in./80mm	Toyota	C3AE-6303-E	3.781in./96mm	Ford
C1TE	3.297in./83.8mm	Ford	C3AE-A	3.500in./88.9mm	Ford
C1TE-6303-B	3.750in./95.3mm	Ford	C3AE-B	3.781in./96mm	Ford
C1TE-6303-C	4.200in./106.7mm	Ford	C3AE-C	3.781in./96mm	Ford
C1TE-6303B	3.750in./95.3mm	Ford	C3AE-D	3.781in./96mm	Ford
C1TE-6303B	4.500in./114.3mm	Hercules	C3AE-E	3.781in./96mm	Ford
C1TE-6303C	4.200in./106.7mm	Ford	C3AE-F	2.870in./72.9mm	Ford
C1TE-6303F1	3.297in./83.8mm	Ford	C3AE-F	2.953in./75mm	BMW
C1TE-B	3.750in./95.3mm	Ford	C3AE-F	3.000in./76.2mm	Ford
C1TE-B	4.500in./114.3mm	Hercules	C3AE-G	3.781in./96mm	Ford
C1TE-C	4.200in./106.7mm	Ford	C3AE-M	3.609in./91.7mm	Ford
C1TE-F	3.297in./83.8mm	Ford	C3AE-M	3.609in./91.7mm	Ford Tractor
C1TE-F1	3.297in./83.8mm	Ford	C3AE-M	3.906in./99.2mm	Ford
C1TE-H	4.031in./102.4mm	Ford	C3AE-M	3.906in./99.2mm	Ford Tractor
C1VE	3.297in./83.8mm	Ford	C3AE-N	3.609in./91.7mm	Ford
C1VE-A	3.297in./83.8mm	Ford	C3AE-U	3.781in./96mm	Ford
C20E-A	2.870in./72.9mm	Ford	C3AF-N	2.870in./72.9mm	Ford
C20E-A	2.953in./75mm	BMW	C3AF-N	3.385in./86mm	Pontiac
C2OZ	2.870in./72.9mm	Ford	C3AZ	3.781in./96mm	Ford
C2OZ	2.953in./75mm	BMW	C3OE-A	3.125in./79.4mm	Ford
C2OZ-A	2.870in./72.9mm	Ford	C3OE-B	2.870in./72.9mm	Ford
C2OZ-A	2.953in./75mm	BMW	C3OE-B	3.000in./76.2mm	Ford
C2OZ-A	3.000in./76.2mm	Ford	C3OE-B	3.385in./86mm	Pontiac
C2AE-2	3.781in./96mm	Ford	C3OZ	2.870in./72.9mm	Ford
C2AE-A	3.297in./83.8mm	Ford	C3OZ	3.000in./76.2mm	Ford
C2AE-B	3.781in./96mm	Ford	C3OZ	3.385in./86mm	Pontiac
C2AE-D	3.781in./96mm	Ford	C3OZ-A	3.125in./79.4mm	Ford

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
C30Z-B	2.870in./72.9mm	Ford	C6TE-A	3.500in./88.9mm	Ford
C30Z-B	3.385in./86mm	Pontiac	C6TE-C	3.781in./96mm	Ford
C30Z-E	3.125in./79.4mm	Ford	C6TE-D	3.500in./88.9mm	Ford
C3TE	4.031in./102.4mm	Ford	C6TE-E	3.781in./96mm	Ford
C3TE-6303-B	3.656in./92.9mm	Ford	C6TE-G	3.188in./80.98mm	Ford
C3TE-6303-C	3.656in./92.9mm	Ford	C6TE-G	3.980in./101.1mm	Ford
C3TE-6303-D	3.656in./92.9mm	Ford	C6VE-6303-A	3.830in./97.3mm	Ford
C3TE-6303B	3.297in./83.8mm	Ford	C7NN-6303	4.400in./111.8mm	Ford Tractor
C3TE-6303B	3.656in./92.9mm	Ford	C7NN-6303-A	4.400in./111.8mm	Ford Tractor
C3TE-6303C	3.297in./83.8mm	Ford	C7TE	3.781in./96mm	Ford
C3TE-6303C	3.656in./92.9mm	Ford	C7TE-A	3.500in./88.9mm	Ford
C3TE-6303D	3.297in./83.8mm	Ford	C7TE-B	3.781in./96mm	Ford
C3TE-6303D	3.656in./92.9mm	Ford	C7TE-E	3.781in./96mm	Ford
C3VE	3.500in./88.9mm	Ford	C7TE-EA	3.781in./96mm	Ford
C3VE	3.703in./94.1mm	Ford	C80E-B	3.000in./76.2mm	Ford
C3VE-A	3.703in./94.1mm	Ford	C8AE-A	3.500in./88.9mm	Ford
C4AE	3.500in./88.9mm	Ford	C8AE-B	3.781in./96mm	Ford
C4AE-3U	3.781in./96mm	Ford	C8SE-A	3.000in./76.2mm	Ford
C4AE-A	3.500in./88.9mm	Ford	C8SE-A	3.590in./91.2mm	Ford
C4AE-B	3.781in./96mm	Ford	C8VE	3.850in./97.8mm	Ford
C4AE-C	3.781in./96mm	Ford	C8VE-A	3.850in./97.8mm	Ford
C4AE-D	3.781in./96mm	Ford	C90E-A	3.500in./88.9mm	Ford Windsor
C4AE-E	3.781in./96mm	Ford	C90E-A	in./mm	Ford Windsor
C4AE-H	3.781in./96mm	Ford	C9AE-A	3.000in./76.2mm	Ford
C4AZ-A	3.781in./96mm	Ford	C9AE-A	3.590in./91.2mm	Ford
C4AZ-J	3.781in./96mm	Ford	C9AE-B	3.000in./76.2mm	Ford
C4TE-6303-A	4.527in./115mm	Ford	C9AE-B	3.590in./91.2mm	Ford
C4TE-A	3.500in./88.9mm	Ford	C9DE-A	3.906in./99.2mm	Ford
C4TE-B	3.781in./96mm	Ford	C90E-A	3.500in./88.9mm	Ford Windsor
C4TE-C	4.031in./102.4mm	Ford	C9TE	3.297in./83.8mm	Ford
C4TE-D	3.500in./88.9mm	Ford	C9TE-A	3.297in./83.8mm	Ford
C4TZ-A	3.781in./96mm	Ford	C9ZE-6303-A	3.000in./76.2mm	Ford
C4TZ-B	3.781in./96mm	Ford	C9ZE-A	3.000in./76.2mm	Ford
C5AE	3.500in./88.9mm	Ford	C9ZE-C	3.703in./94.1mm	Ford
C5AE-A	3.500in./88.9mm	Ford	C9ZE-D	3.703in./94.1mm	Ford
C5AE-C	3.781in./96mm	Ford	CA-55	3.250in./82.6mm	Wisconsin
C5DE-A	2.500in./63.5mm	Ford	CA-68	3.250in./82.6mm	Military Standard
C5DE-A	2.938in./74.6mm	Ford	CA-68	3.250in./82.6mm	Wisconsin
C5DE-A	3.125in./79.4mm	Ford	CA-69D	4.000in./101.6mm	Wisconsin
C5NE-6303-K	4.203in./106.8mm	Ford Tractor	CA-70	3.250in./82.6mm	Military Standard
C5NE-6303-L	4.203in./106.8mm	Ford Tractor	CA-70	3.250in./82.6mm	Wisconsin
C5NE-6303-N	4.406in./112mm	Ford Tractor	CA-71-C	3.250in./82.6mm	Military Standard
C5NE-6303-R	4.203in./106.8mm	Ford Tractor	CA-71-C	3.250in./82.6mm	Wisconsin
C5NE-6305	4.203in./106.8mm	Ford Tractor	CE-401-A	5.000in./127mm	Minneapolis Moline
C5NE6303K	4.203in./106.8mm	Ford Tractor	CF446-766C-1	3.750in./95.3mm	International
C5NE6303N	4.406in./112mm	Ford Tractor	CTR-CB	2.500in./63.5mm	Ford
C5TE	3.188in./80.98mm	Ford	CTR-CB	2.938in./74.6mm	Ford
C5TE	3.980in./101.1mm	Ford	D	3.125in./79.4mm	Ford
C5TE-6303C	3.188in./80.98mm	Ford	D0TE-A	3.500in./88.9mm	Ford
C5TE-6303C	3.980in./101.1mm	Ford	D0ZE-6303-A	3.000in./76.2mm	Ford
C5TE-B	3.188in./80.98mm	Ford	D1742	3.465in./88mm	Nissan
C5TE-B	3.980in./101.1mm	Ford	D186C-300	3.980in./101.1mm	Continental
C5TE-C	3.188in./80.98mm	Ford	D186C-300	4.375in./111.1mm	Continental
C5TE-C	3.980in./101.1mm	Ford	D1NL	3.600in./91.4mm	Ford Tractor
C5TE-F	3.188in./80.98mm	Ford	D1NL	4.203in./106.8mm	Ford Tractor
C5TE-F	3.980in./101.1mm	Ford	D1TE-A	3.500in./88.9mm	Ford
C5TE-G	3.188in./80.98mm	Ford	D1TE-B	3.781in./96mm	Ford
C5TE-G	3.980in./101.1mm	Ford	D2TE-A	3.500in./88.9mm	Ford
C5TZ-A	3.188in./80.98mm	Ford	D2TE-AA	3.500in./88.9mm	Ford
C5TZ-A	3.980in./101.1mm	Ford	D2TE-EA	3.781in./96mm	Ford
C5TZ-B	3.188in./80.98mm	Ford	D3TE-AA	3.781in./96mm	Ford
C5TZ-B	3.980in./101.1mm	Ford	D600C-218	3.980in./101.1mm	Continental
C6AE-A	3.781in./96mm	Ford	D600C-218	4.375in./111.1mm	Continental
C6AE-B	3.781in./96mm	Ford	D600C-368	3.980in./101.1mm	Continental
C6AE-D	3.500in./88.9mm	Ford	D600C-368	4.375in./111.1mm	Continental
C6AE-D	3.781in./96mm	Ford	D600C-601	3.980in./101.1mm	Continental
C6AE-E	3.188in./80.98mm	Ford	D600C-601	4.375in./111.1mm	Continental
C6AE-E	3.980in./101.1mm	Ford	D600C-602	3.980in./101.1mm	Continental
C6TE-6303G	3.188in./80.98mm	Ford	D600C-602	4.375in./111.1mm	Continental
C6TE-6303G	3.980in./101.1mm	Ford	D600C-603	3.980in./101.1mm	Continental

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
D600C-603	4.375in./111.1mm	Continental	E5NN-6306-N	4.406in./112mm	Ford Tractor
D7AE	3.500in./88.9mm	Ford	E63E-AA	3.578in./90.8mm	Ford
D7AE-A	3.500in./88.9mm	Ford	E63E-AB	3.578in./90.8mm	Ford
D9NN-6110-AA	4.400in./111.8mm	Ford Tractor	E65EBB39D	3.540in./89.9mm	Ford
D9NN-6303-A	4.400in./111.8mm	Ford Tractor	E65EBB39D	3.542in./90mm	Ford
D9NN-6303-AA	4.400in./111.8mm	Ford Tractor	E6AE-A	3.150in./80mm	Ford
D9TE-AA	3.000in./76.2mm	Ford	E6AE-AH	3.150in./80mm	Ford
D9TE-AA	3.590in./91.2mm	Ford	E6AE-B	3.150in./80mm	Ford
D9TE-B	3.590in./91.2mm	Ford	E6AE-C	3.150in./80mm	Ford
D9TE-BA	3.590in./91.2mm	Ford	E6AE-W	3.150in./80mm	Ford
D9TE-EA	3.000in./76.2mm	Ford	E6EE-AA	3.125in./79.4mm	Ford
D9TE-EA	3.590in./91.2mm	Ford	E6HN-6303-CB	4.400in./111.8mm	Ford
DCI	3.268in./83mm	Mazda	E6HN-6303-CC	4.400in./111.8mm	Ford
DE-34286	6.500in./165.1mm	Allis Chalmers	E7AE	3.000in./76.2mm	Ford
DE-34286	6.500in./165.1mm	Buda	E7AE-AA	3.000in./76.2mm	Ford
DE-61324	6.500in./165.1mm	Allis Chalmers	E7BB	3.460in./87.9mm	Ford
DE-61324	6.500in./165.1mm	Buda	E7EE-BB	3.460in./87.9mm	Ford
DE-63043	6.500in./165.1mm	Allis Chalmers	E7EE-CK	3.460in./87.9mm	Ford
DE-63043	6.500in./165.1mm	Buda	E7EE-EK	3.460in./87.9mm	Ford
DE-63908	6.500in./165.1mm	Allis Chalmers	E88E-AB	3.125in./79.4mm	Ford
DE-63908	6.500in./165.1mm	Buda	E88EAB	3.125in./79.4mm	Ford
DE-64786	6.500in./165.1mm	Allis Chalmers	E89E-AB	3.125in./79.4mm	Ford
DE-64786	6.500in./165.1mm	Buda	E89EAB	3.125in./79.4mm	Ford
DE-65968	6.500in./165.1mm	Allis Chalmers	E8EEAB	3.125in./79.4mm	Ford
DE-65968	6.500in./165.1mm	Buda	E9DE-BA	3.386in./86mm	Ford
DE-66233	6.500in./165.1mm	Allis Chalmers	E9DE-BB	3.386in./86mm	Ford
DE-66233	6.500in./165.1mm	Buda	E9SE-CB	3.386in./86mm	Ford
DK	3.189in./81mm	Chrysler	EAA	3.609in./91.7mm	Ford
DOAE-A	3.500in./88.9mm	Ford Cleveland	EAA	3.609in./91.7mm	Ford Tractor
DOHC	3.307in./84mm	Mazda	EAA	3.906in./99.2mm	Ford
DOTE-A	3.500in./88.9mm	Ford	EAA	3.906in./99.2mm	Ford Tractor
E	3.228in./82mm	Isuzu	EAA-6303B	3.609in./91.7mm	Ford
E-B7-JL	4.016in./102mm	Toyota	EAB	3.750in./95.3mm	Ford
E1	2.992in./76mm	Mitsubishi	EAB-6303	3.500in./88.9mm	Ford
E1AE	3.000in./76.2mm	Ford	EAD	3.500in./88.9mm	Ford
E1AE-AA	3.000in./76.2mm	Ford	EAD-6303-C	3.500in./88.9mm	Ford
E1BE-BB	3.125in./79.4mm	Ford	EAD-6303C	3.500in./88.9mm	Ford
E1BE-CC	3.125in./79.4mm	Ford	EAF	3.600in./91.4mm	Ford
E1EE	3.125in./79.4mm	Ford	EAF	3.600in./91.4mm	Ford Tractor
E1EE-AB	3.125in./79.4mm	Ford	EAF	4.375in./111.1mm	
E22E-BA	3.125in./79.4mm	Ford	EAM	3.500in./88.9mm	Ford
E2AE	3.386in./86mm	Ford	EB7JL	4.016in./102mm	Toyota
E2AE-AF	3.386in./86mm	Ford	EBF	3.609in./91.7mm	Ford
E2AE-DB	3.386in./86mm	Ford	EBF	3.609in./91.7mm	Ford Tractor
E2ZE-BA	3.125in./79.4mm	Ford	EBF	3.906in./99.2mm	Ford
E3140	2.913in./74mm	Nissan	EBF	3.906in./99.2mm	Ford Tractor
E3141	2.913in./74mm	Nissan	EBJ	3.500in./88.9mm	Ford
E3142	2.913in./74mm	Nissan	EBP	3.609in./91.7mm	Ford
E3AA-AA	3.386in./86mm	Ford	EBP	3.609in./91.7mm	Ford Tractor
E3AE	3.386in./86mm	Ford	EBP	3.906in./99.2mm	Ford
E3AE-AA	3.386in./86mm	Ford	EBP	3.906in./99.2mm	Ford Tractor
E3EE	3.125in./79.4mm	Ford	EBU	3.100in./78.7mm	Ford
E3EE-AA	3.125in./79.4mm	Ford	EBU	3.750in./95.3mm	Ford
E3HN-6303-AA	4.400in./111.8mm	Ford Tractor	EBU-6303-A	3.100in./78.7mm	Ford
E3HN-6303-AB	4.400in./111.8mm	Ford Tractor	EBU-6303-B	3.297in./83.8mm	Ford
E43E-AC	3.125in./79.4mm	Ford	EBU-6303-B	3.656in./92.9mm	Ford
E4AE-BA	3.500in./88.9mm	Ford Windsor	EBU-6303B	3.297in./83.8mm	Ford
E4EE-AA	3.125in./79.4mm	Ford	EBU-6303B	3.656in./92.9mm	Ford
E4EEAA	3.125in./79.4mm	Ford	EC	3.297in./83.8mm	Ford
E4ZE-AC	3.125in./79.4mm	Ford	ECE	3.438in./87.3mm	Ford
E501	3.150in./80mm	Mazda	ECG	3.438in./87.3mm	Ford
E5734-JN	5.000in./127mm	Cummins	ECG-6303-B	3.297in./83.8mm	Ford
E5734JN	3.125in./79.4mm	Ford	ECK	3.438in./87.3mm	Ford
E5EE-AA	3.460in./87.9mm	Ford	ECK-6303-B	3.297in./83.8mm	Ford
E5EE-BA	3.460in./87.9mm	Ford	ECS	3.297in./83.8mm	Ford
E5HN-6303-AC	5.200in./132mm	Ford	ECS	3.656in./92.9mm	Ford
E5HN-6303-AD	5.200in./132mm	Ford	ECT	3.297in./83.8mm	Ford
E5HN-6303-CC	5.200in./132mm	Ford	ECT	3.500in./88.9mm	Ford
E5NN-6303-CA	4.400in./111.8mm	Ford Tractor	ECT-6303-C	3.297in./83.8mm	Ford
E5NN-6303-FA	4.400in./111.8mm	Ford Tractor	ECT-6303C	3.656in./92.9mm	Ford

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
ECU	3.297in./83.8mm	Ford	F5TZ-6012-AA	3.307in./84mm	Ford
ECU	3.656in./92.9mm	Ford	F600C-217	4.375in./111.1mm	Continental
ECU-6303	3.297in./83.8mm	Ford	F600C-243	4.375in./111.1mm	Continental
ECU-6303	3.656in./92.9mm	Ford	F600C-344	4.375in./111.1mm	Continental
ECU-6303-B	3.297in./83.8mm	Ford	F600C-368	4.375in./111.1mm	Continental
ECZ	3.438in./87.3mm	Ford	F600C-500A	4.375in./111.1mm	Continental
EDC	3.297in./83.8mm	Ford	F600C-502	4.375in./111.1mm	Continental
EDD	3.500in./88.9mm	Ford	F600C-502A	4.375in./111.1mm	Continental
EDF	3.297in./83.8mm	Ford	F600C-504	4.375in./111.1mm	Continental
EDG	3.703in./94.1mm	Ford	F600C-506A	4.375in./111.1mm	Continental
EDG-6303	3.703in./94.1mm	Ford	F600C-536	4.375in./111.1mm	Continental
EDJ	3.703in./94.1mm	Ford	F600C-600	4.375in./111.1mm	Continental
EDL	3.750in./95.3mm	Ford	F600C-601	4.375in./111.1mm	Continental
EDL	4.500in./114.3mm	Hercules	F600C-606A	4.375in./111.1mm	Continental
EDL-6303-A	3.750in./95.3mm	Ford	F600C-606C	4.375in./111.1mm	Continental
EDL-6303A	3.750in./95.3mm	Ford	F65E-BB	3.542in./90mm	Ford
EDL-6303A	4.500in./114.3mm	Hercules	F75E-AD	4.161in./105.7mm	Ford Windsor
EDM	3.500in./88.9mm	Ford	FE-01	3.386in./86mm	Mazda
EDN	4.200in./106.7mm	Ford	FE-4D	6.000in./152.4mm	Minneapolis Moline
EDN-6303-A	4.200in./106.7mm	Ford	FE-50	3.386in./86mm	Mazda
EDN-6303A	4.200in./106.7mm	Ford	FE-50	3.701in./94mm	Mazda
EDS	3.703in./94.1mm	Ford	FE-50	3.858in./98mm	Mazda
EE-351	5.000in./127mm	Minneapolis Moline	FE01	3.858in./98mm	Mazda
EN438	4.203in./106.8mm	Ford Tractor	FE201	3.701in./94mm	Mazda
EW	3.465in./88mm	Mitsubishi	FS-2	3.622in./92mm	Mazda
F0600C-600	4.375in./111.1mm	Continental	FS07	3.622in./92mm	Mazda
F0SE-AA	3.386in./86mm	Ford	G-1-U	3.150in./80mm	Toyota
F140C-303	4.375in./111.1mm	Continental	G-10071	4.125in./104.8mm	Case
F162C-319	4.375in./111.1mm	Continental	G-11071	4.125in./104.8mm	Case
F181 KE	4.161in./105.7mm	Ford Windsor	G-11700	4.125in./104.8mm	Case
F186C-300	3.980in./101.1mm	Continental	G-11707	4.125in./104.8mm	Case
F186C-300	4.375in./111.1mm	Continental	G-11709	4.125in./104.8mm	Case
F1910R	6.375in./161.9mm	John Deere	G-11740	4.125in./104.8mm	Case
F1AE-AD	3.542in./90mm	Ford	G-11741	4.125in./104.8mm	Case
F1AE-AD	3.980in./101.1mm	Ford	G-11741	4.391in./111.5mm	International
F1AE-AD-5D	3.542in./90mm	Ford	G1	3.228in./82mm	Mitsubishi
F1AE-AD-7D	3.542in./90mm	Ford	G157C-600	4.375in./111.1mm	Continental
F1AE-AD-8D	3.542in./90mm	Ford	G176C-300	4.375in./111.1mm	Continental
F1AE-AE	3.542in./90mm	Ford	G193C-202	4.375in./111.1mm	Continental
F1EA-AE	3.542in./90mm	Ford	G1U	3.150in./80mm	Toyota
F201	3.701in./94mm	Mazda	G37	3.386in./86mm	Mitsubishi
F2729R	6.375in./161.9mm	John Deere	G37	3.465in./88mm	Mitsubishi
F2792R	6.375in./161.9mm	John Deere	G37	3.504in./89mm	Mitsubishi
F3315R	6.375in./161.9mm	John Deere	G46	2.756in./70mm	Toyota
F3560R	6.375in./161.9mm	John Deere	G52	3.543in./90mm	Mitsubishi
F3561R	6.375in./161.9mm	John Deere	G52	3.858in./98mm	Mitsubishi
F3TE-BA	3.590in./91.2mm	Ford	G54	3.543in./90mm	Mitsubishi
F400C-209	3.980in./101.1mm	Continental	G54	3.858in./98mm	Mitsubishi
F400C-209	4.375in./111.1mm	Continental	G6	3.465in./88mm	Mitsubishi
F400C-222	4.375in./111.1mm	Continental	G9-37	2.756in./70mm	Toyota
F400C-228	4.375in./111.1mm	Continental	GD192C-600	4.375in./111.1mm	Continental
F400C-314	4.375in./111.1mm	Continental	GE	3.465in./88mm	Mitsubishi
F400C-321	4.375in./111.1mm	Continental	GET	3.071in./78mm	Toyota
F400C-324	4.375in./111.1mm	Continental	GN	3.701in./94mm	Mazda
F400C-359	4.375in./111.1mm	Continental	GPW	4.375in./111.1mm	
F400C-368	4.375in./111.1mm	Continental	GS-M	3.000in./76.2mm	Ford
F400C-500	4.375in./111.1mm	Continental	H	3.000in./76.2mm	Ford
F400C-501	4.375in./111.1mm	Continental	H	3.590in./91.2mm	Ford
F400C-503	4.375in./111.1mm	Continental	H1040	2.756in./70mm	Nissan
F400C-509	4.375in./111.1mm	Continental	H1285	6.000in./152.4mm	Cummins
F401C-302	4.375in./111.1mm	Continental	H1285-1	6.000in./152.4mm	Cummins
F401C-403	4.375in./111.1mm	Continental	H260C-602	5.500in./139.7mm	Continental
F4SE-BB	3.386in./86mm	Ford	H260C-603	5.500in./139.7mm	Continental
F5	3.150in./80mm	Yamaha	H2907	6.000in./152.4mm	Cummins
F5	3.268in./83mm	Nissan	H5671	6.000in./152.4mm	Cummins
F58E	3.150in./80mm	Ford	H5671-1	6.000in./152.4mm	Cummins
F58E-AA	3.150in./80mm	Ford	H6240	3.031in./77mm	Nissan
F58E-B	3.150in./80mm	Ford	H8940	3.031in./77mm	Nissan
F5AE-AA	3.150in./80mm	Ford	H9740	3.031in./77mm	Nissan
F5DE	3.150in./80mm	Ford	HD260C-204	4.875in./123.8mm	Continental

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
HD260C-204	5.500in./139.7mm	Continental	OWG	3.622in./92mm	Nissan
HD260C-424	4.875in./123.8mm	Continental	P	3.938in./100mm	Chevrolet
HD260C-424	5.500in./139.7mm	Continental	P1	2.992in./76mm	Mitsubishi
HE-401-A	6.000in./152.4mm	Minneapolis Moline	P1428	3.000in./76.2mm	Onan
HU	3.590in./91.2mm	Ford	P1554	3.000in./76.2mm	Onan
IBA	3.750in./95.3mm	Ford	P3040	3.110in./79mm	Nissan
ICM	4.000in./101.6mm	Ford	PG-38-A	3.500in./88.9mm	Austin
JE	3.031in./77mm	Mazda	PG-38-A	3.504in./89mm	MG
JG	3.150in./80mm	Toyota	PG-38-A	3.504in./89mm	Morris
JPHM	3.701in./94mm	Mazda	PROBE	3.701in./94mm	Mazda
K	3.268in./83mm	Mazda	R12	2.598in./66mm	Toyota
K-101	3.031in./77mm	Suzuki	R14	2.598in./66mm	Toyota
K-24504	4.000in./101.6mm	Waukesha	R26530R	4.000in./101.6mm	John Deere
K-N	3.543in./90mm	Suzuki	R36530R	5.000in./127mm	John Deere
K600C-303	3.750in./95.3mm	Continental	R9028036	3.385in./86mm	Pontiac
K600C-303	4.375in./111.1mm	Continental	R90280395	3.385in./86mm	Pontiac
K600C-303	4.625in./117.5mm	Continental	R90280399	3.385in./86mm	Pontiac
K600C-600	4.813in./122.3mm	Continental	R9028399	3.385in./86mm	Pontiac
KE-401-B	5.000in./127mm	Minneapolis Moline	RD51261	3.438in./87.3mm	American Motors
KL	2.913in./74mm	Mazda	RD51261	3.438in./87.33mm	American Motors
KN	3.543in./90mm	Suzuki	RD67703	3.906in./99.2mm	American Motors
KN224	3.031in./77mm	Isuzu	RDJ1261	3.438in./87.33mm	American Motors
L-1-M	3.150in./80mm	Toyota	RFE 6AE	3.150in./80mm	Ford
L-1M	3.346in./85mm	Toyota	RFF1AE6306-AD	3.542in./90mm	Ford
L1	3.502in./89mm	Toyota	RRYEINGU	3.740in./95mm	Triumph
L1	3.504in./89mm	Toyota	S2	3.502in./89mm	Toyota
L1K	3.150in./80mm	Toyota	S2	3.504in./89mm	Toyota
L1M	3.150in./80mm	Toyota	SM	3.500in./88.9mm	Ford
L20	2.598in./66mm	Toyota	T13048T	3.000in./76.2mm	John Deere
L3	2.598in./66mm	Toyota	T17885T	3.000in./76.2mm	John Deere
LD427C-501	4.875in./123.8mm	Continental	T23246T	4.328in./109.9mm	John Deere
LE-401	6.000in./152.4mm	Minneapolis Moline	T23246T	4.330in./110mm	John Deere
LH	3.701in./94mm	Mazda	T23266T	4.328in./109.9mm	John Deere
M1692T	4.000in./101.6mm	John Deere	T23266T	4.330in./110mm	John Deere
M3114T	4.000in./101.6mm	John Deere	T23267	4.328in./109.9mm	John Deere
M450T	4.000in./101.6mm	John Deere	T23267	4.330in./110mm	John Deere
M600C-203	3.750in./95.3mm	Continental	T23277T	4.328in./109.9mm	John Deere
M600C-203	4.375in./111.1mm	Continental	T23277T	4.330in./110mm	John Deere
M600C-203	4.625in./117.5mm	Continental	T23479T	4.328in./109.9mm	John Deere
M600C-302	3.750in./95.3mm	Continental	T23479T	4.330in./110mm	John Deere
M600C-302	4.375in./111.1mm	Continental	T23480T	4.328in./109.9mm	John Deere
M600C-302	4.625in./117.5mm	Continental	T23483T	3.858in./98mm	John Deere
M600C-303	3.750in./95.3mm	Continental	T23483T	4.328in./109.9mm	John Deere
M600C-303	4.375in./111.1mm	Continental	T23484T	3.858in./98mm	John Deere
M600C-303	4.625in./117.5mm	Continental	T23484T	4.328in./109.9mm	John Deere
M600C-335	4.813in./122.3mm	Continental	T23516T	4.328in./109.9mm	John Deere
M600C-501	3.750in./95.3mm	Continental	T23516T	4.330in./110mm	John Deere
M600C-501	4.375in./111.1mm	Continental	T23517T	4.328in./109.9mm	John Deere
M600C-501	4.625in./117.5mm	Continental	T27	3.150in./80mm	Toyota
M600C-503	3.750in./95.3mm	Continental	T28743	4.328in./109.9mm	John Deere
M600C-503	4.375in./111.1mm	Continental	T3A	2.992in./76mm	Mitsubishi
M600C-503	4.625in./117.5mm	Continental	T499T	3.500in./88.9mm	John Deere
MB3C7	3.189in./81mm	Mazda	T632T	3.500in./88.9mm	John Deere
MFF	3.150in./80mm	Toyota	T633T	3.500in./88.9mm	John Deere
N	3.502in./89mm	Toyota	U-3086	4.000in./101.6mm	Allis Chalmers
N	3.504in./89mm	Toyota	U-3186	4.000in./101.6mm	Allis Chalmers
N140966	3.600in./91.4mm	Chevrolet	U-3194	4.000in./101.6mm	Allis Chalmers
N353039	4.000in./101.6mm	Chevrolet	U-3967	5.000in./127mm	Detroit Diesel
N3937	3.600in./91.4mm	Chevrolet	U27	3.150in./80mm	Toyota
N393775	3.600in./91.4mm	Chevrolet	U6040	3.071in./78mm	Nissan
N3941352	3.600in./91.4mm	Chevrolet	U6040	3.386in./86mm	Nissan
N62C-500	3.500in./88.9mm	Continental	V-5200	3.750in./95.3mm	Case
N853039	4.000in./101.6mm	Chevrolet	V-520D	3.750in./95.3mm	Case
N853638	4.000in./101.6mm	Chevrolet	VG30	3.268in./83mm	Nissan
NF	3.071in./78mm	Toyota	VT-3201	3.750in./95.3mm	Case
NH0123	6.000in./152.4mm	Cummins	XBRO-1145	3.125in./79.4mm	Ford
NXT	3.071in./78mm	Toyota	Y112C-300	3.500in./88.9mm	Continental
O-191561	3.500in./88.9mm	Chevrolet	Y400C-213	3.500in./88.9mm	Continental
OBA	3.750in./95.3mm	Ford	Y400C-216	3.500in./88.9mm	Continental
OK	3.543in./90mm	Suzuki	Y400C-225	3.500in./88.9mm	Continental

CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
Y400C-226	3.500in./88.9mm	Continental	Z120-500	3.750in./95.3mm	Continental
Y400C-334	3.500in./88.9mm	Continental	Z120C-500	3.750in./95.3mm	Continental
Y400C-335	3.500in./88.9mm	Continental	Z129C-205	3.875in./98.4mm	Continental
Y400C-338	3.500in./88.9mm	Continental	Z129C-500	3.875in./98.4mm	Continental
Y400C-508	3.500in./88.9mm	Continental	Z134C-500	3.875in./98.4mm	Continental
Y400C-511	3.500in./88.9mm	Continental	ZYA	3.000in./76.2mm	Ford
Y400C-511D	3.500in./88.9mm	Continental	ZYA	3.590in./91.2mm	Ford

Chrysler Car

Model Year and Engine Identification

1981-05 Model Years	
1B3 BD21DX B A 100001	

Engine Code Model Year
8th Symbol 10th Symbol

1977-80 Model Years	
PM23E 7 123456	

Engine Code Model Year
5th Symbol 6th Symbol

Model Year Code			
Code	Year	Code	Year
A	1980	P	1993
B	1981	R	1994
C	1982	S	1995
D	1983	T	1996
E	1984	V	1997
F	1985	W	1998
G	1986	X	1999
H	1987	Y	2000
J	1988	1	2001
K	1989	2	2002
L	1990	3	2003
M	1991	4	2004
N	1992	5	2005

VIN	Years	Cyl	CID	Liters	Engine Description
A	1984	4	86	1.4	2BC SOHC
A	91-94	4	92	1.5	MPFI SOHC
A	83-86	4	97	1.6	2BC OHV
A	95-98	4	1800cc	1.8	SEFI SOHC
A	78-82	4	105	1.7	2BC SOHC
A	87-89	4	135	2.2	TBI SOHC
A	91-93	4	135	2.2	MPFI DOHC
B	1984	4	98	1.6	2BC SOHC
B	82-83	4	105	1.7	2BC SOHC
B	92-94	4	107	1.8	EFI SOHC
B	81-82	4	135	2.2	2BC SOHC
B	96-05	4	148	2.4	MPFI DOHC
B	91-92	V6	181	3.0	MPFI SOHC
C	93-94	4	112	1.8	MPFI DOHC
C	95-05	4	122	2.0	MPFI SOHC
C	82-88	4	135	2.2	2BC SOHC
C	89-90	4	135	2.2	MPFI TC SOHC
C	91-92	V6	181	3.0	MPFI TC DOHC
C	75-81	6	225	3.7	2BC OHV
D	1992	4	112	1.8	MPFI SOHC
D	84-89	4	122	2.0	2BC SOHC
D	83-94	4	135	2.2	TBI SOHC
D	81-82	4	156	2.6	2BC SOHC
D	77-80	6	225	3.7	2BC OHV
E	84-89	4	135	2.2	MPFI TC SOHC
E	2005	4	148	2.4	MPFI TCI DOHC
E	81-83	6	225	3.7	1BC OHV
E	92-02	V10	488	8.0	MPFI OHV

VIN	Years	Cyl	CID	Liters	Engine Description
F	84-90	4	98	1.6	MPFI TC SOHC
F	90-94	4	122	2.0	MPFI TC DOHC
F	01-04	4	122	2.0	MPFI SOHC
F	83-85	4	135	2.2	2BC SOHC
F	78-83	4	156	2.6	2BC SOHC
F	93-97	V6	215	3.5	MPFI SOHC
G	01-05	4	143	2.4	EFI DOHC
G	03-05	4	148	2.4	MPFI TCI DOHC
G	93-94	4	144	2.4	MPFI SOHC
G	83-87	4	156	2.6	2BC SOHC
G	99-05	V6	215	3.5	MPFI SOHC
G	75-81	V8	318	5.2	2BC OHV
G	77-78	V8	400	6.6	2BC OHV
H	95-00	V6	153	2.5	MPFI SOHC
H	78-80	V8	318	2.5	4BC OHV
H	1990	4	153	2.5	TBI SOHC
H	84-87	4	156	2.6	SFI TC SOHC
H	01-05	V6	181	3.0	MPFI SOHC
H	93-96	V6	181	3.0	MPFI SOHC
H	81-87	6	225	3.7	1BC OHV
H	2005	V8	345	5.7	SEFI OHV
J	79-84	4	86	1.4	2BC SOHC
J	89-93	4	153	2.5	TCI MPFI SOHC
J	1993	V6	181	3.0	MPFI DOHC
J	93-96	V6	181	3.0	MPFI DOHC
J	98-01	V6	197	3.2	MPFI SOHC
J	1981	V8	318	5.2	4BC OHV
J	81-82	V8	318	5.2	EFI OHV

Chrysler Car

Model Year and Engine Identification (Cont.)

VIN	Years	Cyl	CID	Liters	Engine Description
J	74-79	V8	360	5.9	4BC OHV
K	85-91	4	92	1.5	2BC SOHC
K	71-82	4	98	1.6	2BC SOHC
K	86-95	4	153	2.5	TBI SOHC
K	93-96	V6	181	3.0	MPFI TC DOHC
K	02-04	V6	215	3.5	MPFI SOHC
K	81-82	V8	318	5.2	2BC OHV
K	75-80	V8	360	5.9	2BC OHV
L	04-05	V6	3199cc	3.2	MPFI SOHC
L	91-05	V6	230	3.8	MPFI OHV
L	81-82	V8	318	5.2 *	2BC OHV
L	75-80	V8	360	5.9	4BC ** OHV
M	02-04	V6	215	3.5	MPFI SOHC
M	80-82	V8	318	5.2	4BC OHV
N	95-97	4	122	2.0	MPFI SOHC
N	95-00	V6	153	2.5	MPFI SOHC
N	85-89	4	156	2.6	MPFI TCI SOHC
N	2005	V6	3199cc	3.2	MPFI SOHC
N	81-82	V8	318	5.2	4BC OHV
N	1983	V8	318	5.2	EFI OHV
N	74-78	V8	400	6.6	4BC OHV
P	87-88	4	92	1.5	MPFI SOHC
P	78-89	V8	318	5.2	2BC OHV
P	74-78	V8	400	6.6	4BC OHV
R	89-90	4	135	2.2	MPFI TC DOHC
R	98-03	V6	167	2.7	MPFI DOHC
R	90-05	V6	201	3.3	MPFI OHV
R	80-87	V8	318	5.2	4BC OHV
S	03-05	4	148	2.4	MPFI TCI DOHC
S	89-92	V6	181	3.0	MPFI SOHC
S	83-89	V8	318	5.2	4BC OHV
T	89-94	4	107	1.8	MPFI SOHC

VIN	Years	Cyl.	CID	Liters	Engine Description
T	2005	V6	167	2.7	MPFI DOHC
T	2003	V6	167	2.7	MPFI FFV DOHC
T	93-97	V6	201	3.3	MPFI OHV
T	72-78	V8	440	7.2	4BC OHV
U	74-81	4	122	2.0	2BC SOHC
U	98-01	V6	167	2.7	SEFI DOHC
U	90-92	V6	182	3.0	MPFI SOHC
U	94-95	V6	201	3.3	MPFI FFV OHV
U	75-78	V8	440	7.2 **	2BC OHV
V	1990	4	98	1.6	MPFI DOHC
V	89-91	4	122	2.0	MPFI SOHC
V	93-94	4	153	2.5	MPFI FFV SOHC
V	01-03	V6	215	3.5	MPFI SOHC
V	2005	V6	215	3.5	MPFI OHV
W	90-92	4	144	2.4	MPFI SOHC
W	92-95	4	153	2.5	TBI SOHC
W	2005	V8	370	6.1	MPFI OHV
X	89-90	4	92	1.5	MPFI SOHC
X	95-05	4	148	2.4	MPFI DOHC
Y	89-90	4	98	1.6	MPFI DOHC
Y	95-99	4	122	2.0	MPFI DOHC
Z	77-79	4	98	1.6	2BC SOHC
Z	89-90	4	98	1.6	MPFI TC DOHC
Z	79-80	V8	360	5.9	4BC OHV
Z	03-05	V10	505	8.3	MPFI OHV
2	82-83	4	86	1.4	2BC SOHC
2	2005	V8	345	5.7	SEFI OHV
3	82-83	4	98	1.6	2BC SOHC
3	87-00	V6	181	3.0	MPFI SOHC
4	83-89	V8	318	5.2	2BC OHV
8	04-05	4	148	2.4	MPFI TCI DOHC
8	1986	4	135	2.2	2BC SOHC

* Special Order
 ** High Performance
 DI Direct Injection
 EFI Electronic Fuel Injection
 FFV Flex Fuel Vehicle
 MPFI Multi-port Fuel Injection
 SEFI Sequential Electronic Fuel Injection
 TC Turbocharged
 TCI Turbocharged Intercooled
 TBI Throttle Body Injection

Dodge Truck

Model Year and Engine Identification

1981-05 Model Years	
1B3 BD21DX B A 100001	

Engine Code Model Year
8th Symbol 10th Symbol

1977-80 Model Years	
PM23E 7 123456	

Engine Code Model Year
5th Symbol 6th Symbol

Model Year Code			
Code	Year	Code	Year
A	1980	P	1993
B	1981	R	1994
C	1982	S	1995
D	1983	T	1996
E	1984	V	1997
F	1985	W	1998
G	1986	X	1999
H	1987	Y	2000
J	1988	1	2001
K	1989	2	2002
L	1990	3	2003
M	1991	4	2004
N	1992	5	2005

VIN	Years	Cyl	CID	Liters	Engine Description
A	73-80	V8	440	7.2	4BC OHV
B	82-83	4	105	1.7	2BC SOHC
B	96-05	4	148	2.4	DOHC MPFI
B	70-80	6	225	3.7	2BC OHV
B	74-80	V8	400	6.6	2BC OHV
C	82-88	4	135	2.2	2BC SOHC
C	78-80	6	225	3.7	1BC OHV
C	90-96	6	359	5.9	Diesel TCI OHV
C	03-05	6	359	5.9	HO Diesel TCI OHV
D	84-89	4	122	2.0	SOHC 3BC
D	03-05	V8	345	5.7	Hemi SEFI
D	97-98	6	359	5.9	Diesel TCI OHV
D	74-79	V8	440	7.2	4BC OHV
E	86-89	4	156	2.6	2BC SOHC
E	86-89	4	156	2.6	MPFI SOHC
E	81-83	6	225	3.7	1BC OHV
E	1980	6	225	3.7	2BC OHV
E	70-81	V8	318	5.2	2BC OHV
E	74-78	V8	440	7.2	4BC OHV
F	74-78	6	243	4.0	Diesel OHV
F	71-80	V8	360	5.9	2BC OHV
G	1993	4	144	2.4	SOHC MPFI

VIN	Years	Cyl	CID	Liters	Engine Description
G	2003	4	148	2.4	TCI DOHC
G	89-95	4	153	2.5	TBI OHV
G	83-87	4	156	2.6	2BC SOCH
G	98-01	V6	201	3.3	Flex Fuel OHV
H	81-87	6	225	3.7	1BC OHV
H	74-79	6	243	4.0	Diesel OHV
H	04-05	V10	505	8.3	MPFI OHV
J	84-85	4	143	2.3	Diesel TC SOHC
J	89-93	4	153	2.5	TCI SOHC
J	94-96	V6	201	3.3	CNG OHV
J	02-05	V8	287	4.7	MPFI SOHC
J	72-78	V8	400	6.6	2BC OHV
K	86-95	4	153	2.5	SOHC TBI
K	02-05	V6	226	3.7	SOHC MPFI
K	76-79	V8	360	5.9	2BC OHV
L	91-05	V6	230	3.8	MPFI OHV
M	1987	V6	239	3.9	2BC OHV
N	79-80	6	225	3.7	1BC OHV
N	99-05	V8	287	4.7	SOHC MPFI
P	96-02	4	150	2.5	MPFI OHV
P	78-89	V8	318	5.2	2BC OHV
R	90-05	V6	201	3.3	MPFI OHV

CNG Compressed Natural Gas
MPFI Multi-port Fuel Injection
TC Turbocharged
TCI Turbocharged Intercooled
TBI Throttle Body Injection

Dodge Truck

Model Year and Engine Identification (Cont.)

VIN	Years	Cyl.	CID	Liters	Engine Description
R	80-87	V8	318	5.2	4BC OHV
S	89-92	V6	181	3.0	MPFI SOHC
S	83-89	V8	318	5.2	4BC OHV
S	80-82	V8	360	5.9	2BC OHV
T	89-90	4	153	2.5	Turbo SOHC
T	83-87	V8	318	5.2	2BC OHV
T	92-03	V8	318	5.2	CNG OHV
T	78-83	V8	360	5.9	4BC OHV
U	74-81	4	122	2.0	2BC SOHC
U	84-85	V8	318	5.2	4BC OHV
U	1980	V8	360	5.9	4BC OHV
V	83-86	V8	360	5.9	2BC OHV
V	74-78	V8	400	6.6	2BC OHV
W	90-92	4	144	2.4	SOHC MPFI
W	92-95	4	153	2.5	TBI SOHC
W	79-80	4	156	2.6	2BC SOHC
W	82-83	6	225	3.7	2BC OHV
W	83-88	V8	360	5.9	4BC OHV
W	94-03	V10	488	8.0	Iron Block OHV

VIN	Years	Cyl.	CID	Liters	Engine Description
X	88-91	V6	239	3.9	TBI OHV
X	92-03	V6	239	3.9	MPFI OHV
Y	88-91	V8	318	5.2	TBI OHV
Y	92-03	V8	318	5.2	MPFI OHV
Z	89-92	V8	360	5.9	TBI OHV
Z	93-03	V8	360	5.9	MPFI OHV
1	83-88	V8	360	5.9	4BC OHV
3	87-00	V6	181	3.0	MPFI SOHC
3	01-03	V6	201	3.3	Flex Fuel OHV
4	04-05	V6	215	3.5	MPFI SOHC
5	81-83	4	122	2.0	2BC SOHC
5	1988	V8	360	5.9	4BC OHV
5	89-92	V8	360	5.9	TBI OHV
5	93-02	V8	360	5.9	MPFI OHV
6	98-04	6	359	5.9	Diesel TCI OHV
7	81-82	4	156	2.6	2BC SOHC
7	01-02	6	359	5.9	Diesel TCI OHV
8	89-93	6	359	5.9	Diesel TC OHV
9	1983	4	143	2.3	Diesel TC SOHC

CNG Compressed Natural Gas
 MPFI Multi-port Fuel Injection
 TC Turbocharged
 TCI Turbocharged Intercooled
 TBI Throttle Body Injection

Ford Car

Model Year and Engine Identification

1981-05 Model Years	
1ABCD3G @ DA 100,001	

Engine Code Model Year
8th Symbol 10th Symbol

1977-80 Model Years	
7S62H 123456	

Engine Code Model Year
5th Symbol 1st Symbol

Model Year Code			
Code	Year	Code	Year
A or O	1980	P	1993
B	1981	R	1994
C	1982	S	1995
D	1983	T	1996
E	1984	V	1997
F	1985	W	1998
G	1986	X	1999
H	1987	Y	2000
J	1988	1	2001
K	1989	2	2002
L	1990	3	2003
M	1991	4	2004
N	1992	5	2005

VIN	Years	Cyl	CID	Liters	Engine Description
A	93-97	L4	122	2.0	DOHC
A	80-90	L4	140	2.3	SOHC
A	00-05	V8	241	3.9	DOHC
A	99-02	V8	330	5.4	DOHC
B	93-97	V6	153	2.5	DOHC
B	80-82	L6	200	3.3	OHV
C	89-92	L4	134	2.2	SOHC
C	1995	V8	351W	5.8	H/O Cobra
D	1983	L4	140	2.3	OHC Turbo
D	86-90	L4	153	2.5	OHV
D	80-82	V8	255	4.2	OHV
D	93-95	V8	302	5.0	H/O Cobra
E	87-92	V8	302	5.0	H/O
F	82-91	V8	302	5.0	OHV
G	98-01	V6	155	2.5	DOHC
G	80-91	V8	351W	5.8	OHV
H	89-97	L4	81	1.3	SOHC
H	84-87	L4	122	2.0	Diesel
H	2005	V8	281	4.6	SOHC
J	85-96	L4	116	1.9	SOHC/EFI
J	1984	L4	140	2.3	OHV
K	88-89	L4	81	1.3	SOHC
K	94-95	L4	116	1.9	H/O

VIN	Years	Cyl	CID	Liters	Engine Description
L	89-92	L4	134	2.2	Turbo
L	84-85	L6	149	2.4	Turbo Diesel
L	95-02	V6	155	2.5	DOHC
L	97-03	V8	330	5.4	SOHC
M	91-93	L4	140	2.3	SOHC
M	84-87	V8	302	5.0	H/O
N	2005	4	121	2.0	DOHC
N	90-91	L4	153	2.5	OHV
N	96-99	V8	207	3.4	DOHC
N	2005	V6	244	4.0	SOHC
P	97-04	L4	122	2.0	SOHC
P	93-95	V6	195	3.2	DOHC/SHO
R	89-92	L4	134	2.2	SOHC/Turbo
R	1984	L4	140	2.3	OHV/1BC
R	89-90	V6	232	3.8	S/C
R	03-04	V8	281	4.6	DOHC
S	85-91	L4	140	2.3	OHV H/O
S	96-05	V6	181	3.0	DOHC
T	1981	L4	140	2.3	SOHC/Turbo
T	91-95	V8	302	5.0	H/O
U	86-05	V6	183	3.0	OHV
V	93-04	V8	281	4.6	DOHC
W	79-89	L4	140	2.3	SOHC/Turbo

CNG Compressed Natural Gas
EFI Electronic Fuel Injection
H/O High Output
S/C Supercharged
SHO Super High Output

Ford Car

Model Year and Engine Identification (Cont.)

VIN	Years	Cyl	CID	Liters	Engine Description
W	91-05	V8	281	4.6	SOHC
X	85-94	L4	140	2.3	OHV
X	1983	L6	200	3.3	OHV
X	96-04	V8	281	4.6	SOHC
Y	89-95	V6	183	3.0	DOHC/SHO
Y	03-04	V8	281	4.6	DOHC S/C
Z	91-94	L4	98	1.6	DOHC
Z	96-00	L4	1989cc	2.0	DOHC CNG
Z	04-05	4	138	2.3	DOHC
1	93-98	V6	183	3.0	OHV
2	81-85	L4	98	1.6	SOHC
2	96-05	V6	183	3.0	OHV Flex Fuel
3	95-04	L4	1989cc	2.0	DOHC

VIN	Years	Cyl	CID	Liters	Engine Description
3	83-87	V6	232	3.8	OHV
4	82-85	L4	98	1.6	SOHC H/O
4	87-04	V6	232	3.8	OHV
5	83-89	L4	98	1.6	SOHC
5	02-04	L4	121	2.0	DOHC
6	91-94	L4	98	1.6	DOHC Turbo
6	84-85	L4	140	2.3	SOHC LP
6	04-05	V6	238	3.9	OHV
6	96-04	V8	281	4.6	SOHC
8	81-85	L4	98	1.6	SOHC Turbo
9	85-90	L4	116	1.9	SOHC
9	95-04	V8	281	4.6	SOHC CNG

CNG Compressed Natural Gas
 EFI Electronic Fuel Injection
 H/O High Output
 S/C Supercharged
 SHO Super High Output

Ford Truck

Model Year and Engine Identification

1981-05 Model Years	
1ABCD3G @ DA 100,001	

Engine Code Model Year
8th Symbol 10th Symbol

1977-80 Model Years	
7S62H 123456	

Engine Code Model Year
5th Symbol 1st Symbol

Model Year Code			
Code	Year	Code	Year
A or O	1980	P	1993
B	1981	R	1994
C	1982	S	1995
D	1983	T	1996
E	1984	V	1997
F	1985	W	1998
G	1986	X	1999
H	1987	Y	2000
J	1988	1	2001
K	1989	2	2002
L	1990	3	2003
M	1991	4	2004
N	1992	5	2005

VIN	Years	Cyl	CID	Liters	Engine Description
A	83-97	L4	140	2.3	SOHC
A	99-03	V8	330	5.4	DOHC
B	01-04	4	1989	2.0	DOHC
B	83-84	L4	140	2.3	SOHC
C	83-88	L4	121	2.0	SOHC
C	98-01	L4	153	2.5	SOHC
C	92-93	V8	444	7.3	IDI Turbo
D	02-05	L4	140	2.3	DOHC
D	81-82	V8	255	4.2	OHV
E	85-87	L4	140	2.3	SOHC Diesel
E	97-05	V6	244	4.0	SOHC
E	80-82	L6	300	4.9	OHV
F	80-85	V8	302	5.0	OHV
F	94-04	V8	444	7.3	DI Turbo
G	80-85	V8	351W	5.8	OHV
G	87-98	V8	460	7.5	OHV
H	2005	4	138	2.3	ATKINSON
H	03-05	V8	281	4.6	DOHC
H	77-82	V8	351M	5.8	OHV
H	85-96	V8	351W	5.8	OHV
K	03-05	V6	244	4.0	SOHC Flex Fuel
K	1994	V8	444	7.3	IDI Turbo
L	97-05	V8	330	5.4	SOHC
L	80-87	V8	460	7.5	OHV
M	79-82	L4	122	2.0	SOHC
M	97-05	V8	330	5.4	SOHC CNG
M	88-94	V8	444	7.3	IDI Diesel

VIN	Years	Cyl	CID	Liters	Engine Description
N	85-96	V8	302	5.0	OHV
N	1997	V8	330	5.4	SOHC
P	83-84	L4	134	2.2	SOHC
P	96-01	V8	302	5.0	OHV
P	03-05	V8	363	6.0	Diesel
R	01-04	V8	281	4.6	DOHC
R	01-04	V8	330	5.4	DOHC
S	83-86	V6	171	2.8	OHV
S	97-05	V10	415	6.8	SOHC
T	86-92	V6	177	2.9	OHV
T	99-02	V6	3275cc	3.3	SOHC
U	86-05	V6	183	3.0	OHV
V	99-03	V6	183	3.0	OHV Flex Fuel
W	79-82	L4	140	2.3	SOHC
W	97-05	V8	281	4.6	SOHC
X	90-00	V6	244	4.0	OHV
Y	83-96	L6	300	4.9	OHV
Z	04-05	4	138	2.3	DOHC
Z	94-96	L6	300	4.9	OHV
Z	98-04	V8	330	5.4	SOHC Flex Fuel
Z	80-82	V8	400	6.6	OHV
1	01-05	V6	181	3.0	DOHC
1	83-87	V8	420	6.9	Diesel
2	97-05	V6	256	4.2	OHV
3	83-87	V6	232	3.8	OHV
3	99-04	V8	330	5.4	SOHC S/C
4	95-04	V6	232	3.8	OHV

CNG Compressed Natural Gas
DI Direct Injection
IDI Indirect Injection
S/C Supercharged

Ford Truck

Model Year and Engine Identification (Cont.)

VIN	Years	Cyl	CID	Liters	Engine Description
5	04-05	V8	330	5.4	SOHC
6	04-05	V6	238	3.9	OHV
6	96-04	V8	281	4.6	SOHC

VIN	Years	Cyl	CID	Liters	Engine Description
9	97-98	V8	281	4.6	SOHC LP
9	82-96	L6	300	4.9	OHV

CNG Compressed Natural Gas
 DI Direct Injection
 IDI Indirect Injection
 S/C Supercharged

General Motors Car

Model Year and Engine Identification

1981-05 Model Years	
1G1GZ37H0GR123456	

Engine Code Model Year
8th Symbol 10th Symbol

1978-80 Model Years	
2B377AP 100.001	

Engine Code Model Year
5th Symbol 6th Symbol

Model Year Code			
Code	Year	Code	Year
A or O	1980	P	1993
B	1981	R	1994
C	1982	S	1995
D	1983	T	1996
E	1984	V	1997
F	1985	W	1998
G	1986	X	1999
H	1987	Y	2000
J	1988	1	2001
K	1989	2	2002
L	1990	3	2003
M	1991	4	2004
N	1992	5	2005

VIN	Years	Cyl	CID	Liters	Engine Description
A	88-89	L4	138	2.3	MPFI DOHC
A	90-94	L4	138	2.3	MPFI DOHC
A	78-87	V6	231	3.8	2BC OHV
A	04-05	V8	281	4.6	SFI DOHC
B	83-84	L4	121	2.0	2BC OHV
B	1986	V6	231	3.8	MPFI OHV
B	91-95	V8	300	4.9	MPFI OHV
C	78-79	V6	196	3.2	2BC OHC
C	88-91	V6	231	3.8	MPFI OHV
C	95-03	V8	244	4.0	MPFI DOHC
D	82-86	L4	111	1.8	Diesel SOHC
D	87-95	L4	138	2.3	MPFI DOHC
D	76-79	L6	250	4.1	1BC OHV
E	82-86	V6	181	3.0	2BC OHV
E	99-05	V6	207	3.4	MPFI OHV
E	88-93	V8	305	5.0	TBI OHV
F	02-05	L4	134	2.2	MPFI DOHC
F	83-84	L4	151	2.5	2BC OHV
F	76-81	V8	260	4.3	2BC OHV
F	88-92	V8	305	5.0	MPFI OHV
G	1982	L4	112	1.8	2BC OHV
G	90-91	L4	134	2.2	TBI OHV
G	84-88	V8	305	5.0	4BC OHV
G	97-04	V8	346	5.7	SFI OHV

VIN	Years	Cyl	CID	Liters	Engine Description
H	92-94	L4	122	2.0	MPFI SOHC
H	99-02	V6	212	3.5	MPFI DOHC
H	78-88	V8	305	5.0	4BC OHV
J	84-86	L4	112	1.8	MPFI SOHC
J	99-05	V6	189	3.1	MPFI OHV
J	79-82	V8	267	4.4	2BC OHV
J	89-95	V8	350	5.7	MPFI DOHC
K	85-86	L4	92	1.5	2BC SOHC
K	87-91	L4	121	2.0	TBI SOHC
K	80-82	V6	229	3.8	2BC OHV
K	97-05	V6	231	3.8	MPFI OHV
K	77-79	V8	400	6.6	4BC OHV
L	03-05	L4	110	1.8	MPFI DOHC
L	83-84	V6	173	2.8	2BC OHV
L	85-88	V6	181	3.0	MPFI OHV
L	90-95	V6	231	3.8	MPFI OHV
L	74-82	V8	350	5.7	4BC OHV
M	85-86	L3	61	1.0	2BC SOHC
M	87-90	L4	121	2.0	MPFI SOHC
M	78-79	V6	200	2.3	2BC OHV
M	93-99	V6	189	3.1	MPFI OHV
N	03-04	V6	196	3.2	MPFI DOHC
N	88-93	V6	204	3.3	MPFI OHV
N	78-85	V8	350	5.7	Diesel OHV

EFI Electronic Fuel Injection
FI Fuel Injected
MPFI Multi-Port Fuel Injection
S/C Supercharged
SFI Sequential Fuel Injection
TBI Throttle Body Injection

General Motors Car

Model Year and Engine Identification (Cont.)

VIN	Years	Cyl	CID	Liters	Engine Description
O	82-86	L4	112	1.8	TBI SOHC
P	83-86	L4	121	2.0	TBI OHV
P	04-05	4	1998	2.0	MPFI DOHC
P	1979	V8	260	4.3	Diesel OHV
P	92-97	V8	350	5.7	MPFI OHV
P	2004	V8	346	5.7	SFI OHV
R	82-92	L4	151	2.5	TBI OHV
R	97-05	V6	181	3.0	MPFI DOHC
R	76-80	V8	350	5.7	4BC OHV
S	85-89	V6	173	2.8	TBI OHV
S	93-95	V6	207	3.4	MPFI OHV
S	80-81	V6	265	4.3	2BC OHV
S	1983	V8	305	5.0	TBI OHV
S	01-05	V8	346	5.7	SFI OHV
S	77-79	V8	425	7.0	4BC OHV
T	96-02	L4	146	2.4	MPFI DOHC
T	88-94	V6	189	3.1	MPFI OHV
T	82-85	V6	260	4.3	Diesel OHV
T	80-81	V8	301	4.9	4BC/Turbo OHV
T	77-79	V8	425	7.0	EFI OHV
U	85-91	L4	151	2.5	TBI OHV
U	2005	V8	365	6.0	MPFI OHV
V	78-80	L4	151	2.5	2BC OHV
V	89-90	V6	189	3.1	MPFI/Turbo OHV
V	82-84	V6	260	4.3	Diesel OHV
W	85-89	V6	173	2.8	MPFI OHV
W	1993	V6	189	3.1	MPFI OHV
W	94-96	V8	265	4.3	MPFI OHV
W	78-81	V8	301	4.9	4BC OHV
X	81-86	V6	173	2.8	2BC OHV
X	91-97	V6	207	3.4	MPFI DOHC
X	78-80	V8	350	5.7	4BC OHV
Y	93-05	V8	281	4.6	MPFI DOHC
Y	77-79	V8	301	4.9	2BC OHV
Y	80-90	V8	307	5.0	4BC OHV
Z	81-84	V6	173	2.8	2BC OHV
Z	85-93	V6	262	4.2	TBI OHV
Z	76-79	V8	400	6.6	4BC OHV

VIN	Years	Cyl	CID	Liters	Engine Description
0	82-86	L4	112	1.8	TBI SOHC
1	87-89	L4	121	2.0	TBI OHV
1	78-79	L4	151	2.5	2BC OHV
1	82-84	V6	173	2.8	2BC OHV
1	92-05	V6	231	3.8	MPFI/SC OHV
2	87-94	L3	61	1.0	EFI SOHC
2	98-01	L4	79	1.3	MPFI SOHC
2	82-86	L4	151	2.5	TBI OHV
2	78-79	V6	231	3.8	2BC OHV
2	2004	V6	231	3.8	SFI OHV
2	04-05	V6	231	3.8	MPFI OHV
3	92-94	L4	138	2.3	MPFI SOHC
3	78-84	V6	231	3.8	Turbo OHV
3	1990	V8	273	4.5	MPFI OHV
4	85-88	L4	98	1.6	2BC SOHC
4	92-02	L4	134	2.2	MPFI OHV
4	04-05	V6	231	3.8	SFI OHV
4	80-84	V6	252	4.1	4BC OHV
4	78-79	V8	350	5.7	4BC OHV
5	86-88	L3	61	1.0	2BC SOHC
5	88-92	L4	98	1.6	MPFI DOHC
5	80-84	L4	151	2.5	2BC OHV
5	88-89	V8	275	4.5	TBI OHV
6	90-01	L3	61	1.0	TBI SOHC
6	90-93	L4	98	1.6	TBI DOHC
6	2003	L4	134	2.2	MPFI DOHC
6	80-88	V8	350	5.7	4BC OHV
6	80-83	V8	368	6.0	4BC OHV
7	86-89	L4	92	1.5	2BC SOHC
7	91-93	L4	116	1.9	MPFI DOHC
7	1980	V6	173	2.8	2BC OHV
7	04-05	V6	217	3.6	SFI DOHC
7	86-87	V6	231	3.8	SFI/Turbo OHV
7	87-88	V8	252	4.1	EFI OHV
7	1982	V8	305	5.0	2/TBI OHV
7	1983	V8	305	5.0	4BC OHV
7	90-96	V8	350	5.7	TBI OHV
8	92-03	L4	110	1.8	MPFI DOHC

EFI Electronic Fuel Injection
 FI Fuel Injected
 MPFI Multi-Port Fuel Injection
 S/C Supercharged
 SFI Sequential Fuel Injection
 TBI Throttle Body Injection

General Motors Car

Model Year and Engine Identification

VIN	Years	Cyl	CID	Liters	Engine Description
8	00-05	L4	110	1.8	MPFI DOHC
8	04-05	V6	214	3.5	MPFI OHV
8	1984	V6	231	3.8	4BC/Turbo OHV
8	82-87	V8	252	4.1	EFI OHV
8	1982	V6	260	4.3	2BC OHV
8	89-92	V8	273	4.5	MPFI OHV
8	79-80	V8	350	5.7	4BC OHV
8	1980	V8	350	5.7	EFI OHV
8	82-92	V8	350	5.7	EFI OHV
9	92-97	L4	79	1.3	TBI SOHC

VIN	Years	Cyl	CID	Liters	Engine Description
9	86-89	L4	92	1.5	MPFI/Turbo SOHC
9	80-81	L4	98	1.6	2BC SOHC
9	91-99	L4	116	1.9	TBI SOHC
9	1979	L4	151	2.5	2BC OHV
9	85-88	V6	173	2.8	MPFI OHV
9	83-84	V6	229	3.8	2BC OHV
9	84-85	V6	231	3.8	MPFI/Turbo OHV
9	94-05	V8	281	4.6	MPFI DOHC
9	83-90	V8	307	5.0	4BC OHV
9	80-84	V8	368	6.0	FI OHV

EFI Electronic Fuel Injection
 FI Fuel Injected
 MPFI Multi-Port Fuel Injection
 S/C Supercharged
 SFI Sequential Fuel Injection
 TBI Throttle Body Injection

General Motors Truck

Model Year and Engine Identification

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Engine Code Model Year
8th Symbol 10th Symbol

1978-80 Model Years	
2B377AP 100.001	

Engine Code Model Year
5th Symbol 6th Symbol

Model Year Code			
Code	Year	Code	Year
A or O	1980	P	1993
B	1981	R	1994
C	1982	S	1995
D	1983	T	1996
E	1984	V	1997
F	1985	W	1998
G	1986	X	1999
H	1987	Y	2000
J	1988	1	2001
K	1989	2	2002
L	1990	3	2003
M	1991	4	2004
N	1992	5	2005

VIN	Years	Cyl	CID	Liters	Engine Description
A	82-85	L4	119	1.9	2BC SOHC
A	00-03	L4	134	2.2	MPFI DOHC
A	92-94	L4	151	2.5	TBI OHV
A	04-05	V8	281	4.6	MPFI OHV
B	82-85	V6	173	2.8	2BC OHV
B	00-03	V6	181	3.0	SFI OHV
B	90-91	V6	262	4.3	TBI OHV
B	2005	V8	325	5.3	MPFI OHV
C	99-03	L4	122	2.0	MPFI DOHC
C	82-94	V8	379	6.2	Diesel OHV
D	00-03	L4	134	2.2	MPFI DOHC
D	90-95	V6	189	3.1	MPFI OHV
D	84-85	L6	250	4.1	2BC OHV
E	85-91	L4	151	2.5	TBI OHV
E	96-03	V6	207	3.4	MPFI OHV
F	81-86	V8	305	5.0	4BC OHV
F	92-05	V8	396	6.5	Diesel OHV
G	79-81	V8	305	5.0	2BC OHV
G	00-05	V8	496	8.1	MPFI OHV
H	03-04	4	134	2.2	MPFI OHV
H	99-04	V6	2494	2.5	MPFI DOHC
H	79-87	V8	305	5.0	4BC OHV
H	88-95	V8	305	5.0	TBI OHV
J	82-93	V8	379	6.2	Diesel OHV
J	96-02	V8	454	7.4	MPFI OHV
K	80-82	V6	229	3.8	2BC OHV
K	88-95	V8	350	5.7	TBI OHV
L	92-95	V6	231	3.8	MPFI OHV

VIN	Years	Cyl	CID	Liters	Engine Description
L	89-91	L4	239	3.9	Diesel OHV
L	82-86	V8	350	5.7	4BC OHV
M	96-02	V8	305	5.0	MPFI OHV
M	80-89	V8	350	5.7	4BC OHV
N	85-86	V6	262	4.3	4BC OHV
N	82-84	V8	350	5.7	Diesel OHV
N	00-05	V8	364	6.0	MPFI OHV
N	87-96	V8	454	7.4	TBI OHV
P	03-05	V8	325	5.3	MPFI OHV
P	81-83	V8	350	5.7	2BC OHV
P	94-96	V8	396	6.5	Diesel OHV
R	86-93	V6	173	2.8	TBI OHV
R	96-04	V8	350	5.7	TBI OHC
S	82-85	L4	137	2.2	Diesel OHV
S	02-05	6	254	4.2	DOHC
S	94-01	V8	396	6.5	Diesel OHV
T	73-89	L6	292	4.8	1BC OHV
T	99-05	V8	327	5.3	MPFI OHV
U	89-95	L4	97	1.6	TBI SOHC
U	99-05	V8	366	6.0	MPFI OHV
V	99-05	V8	294	4.8	MPFI OHV
W	92-95	V6	262	4.3	CPI OHV
W	96-03	V6	262	4.3	MPFI OHV
W	80-89	V8	454	7.4	4BC OHV
X	96-05	V6	262	4.3	MPFI OHV
Y	94-02	V8	396	6.5	Diesel OHV
Z	00-01	L4	134	2.2	MPFI OHV
Z	85-95	V6	262	4.3	TBI OHV

CPI Center Port Injection
FFV Flex Fuel Vehicle
MPFI Multi-Port Fuel Injection
SFI Sequential Fuel Injection
TBI Throttle Body Injection

General Motors Truck

Model Year and Engine Identification (Cont.)

VIN	Years	Cyl	CID	Liters	Engine Description
Z	02-05	V8	327	5.3	MPFI/FFV OHV
1	01-05	V8	403	6.6	Diesel OHV
4	94-02	L4	134	2.2	MPFI OHV
4	99-03	L4	152	2.5	MPFI DOHC

VIN	Years	Cyl	CID	Liters	Engine Description
5	00-02	L4	134	2.2	MPFI OHV
6	96-03	L4	98	1.6	MPFI DOHC
9	83-84	V6	229	3.8	2BC OHV

CPI Center Port Injection
 FFV Flex Fuel Vehicle
 MPFI Multi-Port Fuel Injection
 SFI Sequential Fuel Injection
 TBI Throttle Body Injection

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And

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