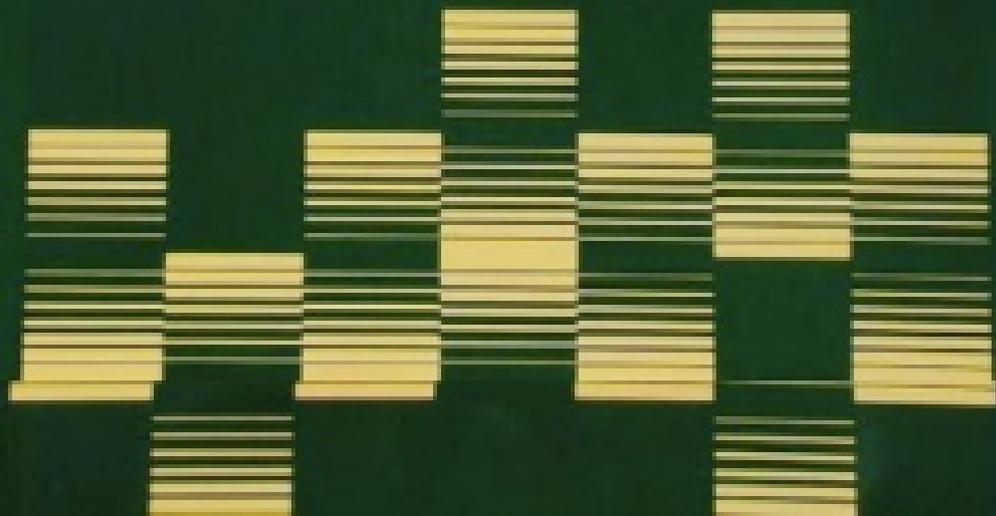


2010

# NDC ENGINE BEARING



Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
1	G <b>AB</b>	4/76-7/84	2	547	<b>MS-2500A</b> 11702-87701	<b>TW-2500A</b> 11011-87701	<b>CB-2500A</b> 13202-87701		<b>BB-2500A</b> 11902-87701 11220-74000 90043-84028
	G <b>AD</b>	5/82-7/84	2	617					
2	G <b>AB</b>	8/84-10/88	2	547	<b>MS-2506A</b> 11702-87711 11702-87709	<b>TW-2500A</b> 11011-87701	<b>CB-2500A</b> 13202-87701		<b>BB-2500A</b> 11902-87701 11220-74000 90043-84028
	G <b>AD</b>	8/84-5/85	2	617					
3	G <b>CB</b>	10/77-8/84	3	993	<b>MS-2501A</b> 11701-87703 11702-87704 11702-87703	<b>TW-2500A</b> 11011-87701	<b>CB-2501A</b> 13041-87702 13041-87703 13041-87705 13202-87703 13202-87704 13202-87705		<b>BB-2501A</b> 11902-87702 90043-84028
	G <b>CD</b>	5/82-8/84	3	843					
	D <b>CL</b>	1/83-8/84	3	993					
4	G <b>CB</b>	8/1984-	3	993	<b>MS-2505A</b> 11701-87706 11701-87705 11702-87707 11702-87706 11702-87705	<b>TW-2500A</b> 11011-87701 11701-87701	<b>CB-2501A</b> 13041-87702 13041-87703 13041-87705 13202-87703 13202-87704 13202-87705		<b>BB-2501A</b> 11902-87702
	G <b>CB-T</b>	8/84-11/90	3	993					
	G <b>CD</b>	8/1984-	3	843					
	D <b>CL</b>	8/1984-	3	993					

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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
5	G <b>CB-T</b> Charade	5/1985-	3	993	<b>MS-2503A</b> 11701-87704 11702-87708	<b>TW-2503A</b> 11011-87702	<b>CB-2509GP</b> 13041-87701 13041-87707 13202-87707 13202-87701		<b>BB-2501A</b> 11902-87702
6	D <b>CL-T</b> Charade	8/1984-	3	993	<b>MS-2503A</b> 11701-87704 11702-87708	<b>TW-2503A</b> 11011-87702	<b>CB-2503A</b> 13041-87704 13202-87706		<b>BB-2501A</b> 11902-87702
7	D <b>DG</b> Delta	1977-81	4	2.530	<b>MS-1158A</b> 11702-87305		<b>CB-1158A</b> 13202-87303 13202-87305		<b>PB-1158J</b> 90043-84018 90043-84057 90043-84050
8	D D <b>DG</b> <b>DL</b> Delta Tafto Rocky Rugger	1982-4/84 10/82-4/84	4 4	2.530 2.765	<b>MS-1158A</b> 11702-87305		<b>CB-1158A</b> 13202-87303 13202-87305	<b>SH-1158A</b> 11802-87380 11802-87381	<b>PB-1158J</b> 90043-84018 90043-84057 90043-84050

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
9	D <b>DL</b>	4/84-8/87	4	2.765	<b>MS-1158A</b>		<b>CB-1158A</b>	<b>SH-1158A</b>	<b>PB-2502J</b>
	D <b>DL-T</b> Delta Tafto Rocky Rugger	4/84-8/87	4	2.765	11702-87305		13202-87305	11802-87380	90043-84052 (4/84-7/87)
10	D <b>DL</b>	9/1987-	4	2.765	<b>MS-2502A</b>		<b>CB-1158A</b>	<b>SH-2502A</b>	<b>PB-2511J</b>
	D <b>DL-T</b> Delta Tafto Rocky Rugger	9/1987-	4	2.765	11702-87306		13202-87305	11802-87301	90043-84086 90043-84087 (7/87-8/87)
11	G <b>EB</b>	8/85-7/90	3	547	<b>MS-2507A</b>	<b>TW-2507A</b>	<b>CB-2507A</b>		
	G <b>EF</b>	3/1990-	3	659	11702-87207	11011-87201	13202-87204		
		Cuore			11702-87206		13202-87205		
		Mira			11701-87207		13041-87205		
		Hijet			11701-87206		13041-87204		
		Atrai			11701-87205		13041-87201		
	Opti			11701-87204		13041-87202			
	Terios Kid			11701-87202					
	Move			11701-87201					
12	G <b>ED</b> Hijet	1985-	3	846	<b>MS-2510A</b> 11702-87203	<b>TW-2510A</b> 11011-87202	<b>CB-2510A</b> 13202-87203		
13	G <b>FE</b> Tafto Consorte Compagno	1964-77	4	958	<b>MS-2504GP</b> 11702-87104		<b>CB-1027GP</b> 13202-87104 13202-87101	<b>SH-1014B</b> 11802-87101	<b>PB-1027J</b> 991-4023-138

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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
14	G <b>HC</b>	1/1988-	4	1.295	<b>MS-2511A</b>	<b>TW-2511A</b>	<b>CB-2511A</b>		
	G <b>HD</b> Charade Rocky Applause Pyzar Terios	6/1989-	4	1.589	11701-87102 11701-87101	11011-87101	13041-87103 13041-87102 13041-87101		

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
1	D <b>DK10</b>	4/66-86	6	10.178	<b>MS-1149GP</b>	<b>TW-1054BC</b>	<b>CB-2104GP</b>	<b>SH-1149B</b>	<b>PB-1116J</b>
	D <b>DK10-T</b>	4/66-86	6	10.178	11701-1110	(UP TO '77)	13201-1271	11812-1010	13272-1150
	D <b>DK20</b>	9/66-80	H6	10.178	11701-1070	11011-1050	13201-1270	11822-1060	TO-77
	D <b>DK20-T</b>	12/67-7/81	H6	10.178	11701-1490	4PCS/SET	13201-1090	11832-1010	<b>PB-1149J</b>
	D <b>ED100</b>	1971-86	6	11.581	11701-1491	(-6/77)	13201-1080	11842-1010	13272-1190
	D <b>ED100-T</b>	1980-82	6	11.581	11701-1290	<b>TW-1149BC</b>	13201-1081	11852-1010	13272-1080
	D <b>ER100</b>	1981-86	6	11.581		(AFTER '77)	13201-1341	11862-1030	7/77-ON
	D <b>ER200</b>	3/78-87	H6	11.581		11011-1200 3PCS/SET	13201-1072	11872-1040	
2	D <b>DM100</b>	1963-86	6	4.313	<b>MS-1059GP</b>	<b>TW-1059GP</b>	<b>CB-1059GP</b>	<b>SH-1059B</b>	<b>PB-1059J</b>
	D <b>DQ100</b>	6/72-8/83	6	4.507	11701-1180 11701-1170	11011-1080 11011-1090	13201-1140 13201-1150	11812-1040 11822-1040 11832-1040 11842-1040 11852-1030	13272-1130
3	D <b>DS50</b>	1960-86	6	7.982	<b>MS-1038GP</b>	<b>TW-1038K</b>	<b>CB-1039GP</b>	<b>SH-1038B</b>	<b>PB-1039J</b>
	D <b>DS60</b>	1960-81	H6	7.982	11701-1360	11011-1130	13201-1230	11812-1060	13272-1180
	D <b>DS80</b>	1962-68	H6	7.982			13201-1240	11822-1070	13272-1070
	D <b>DS70</b>	1960-88	6	7.014				11832-1060 11842-1060 11852-1050	
4	D <b>EB100</b>	1967-86	6	9.036	<b>MS-1079GP</b>	<b>TW-1079BC</b>	<b>CB-2100GP</b>	<b>SH-1079B</b>	<b>PB-1079J</b>
	D <b>EB100H</b>	1971-73	H6	9.036	11701-1160	11011-1060	13201-1111	11812-1020	13272-1230
	D <b>EB200</b>	1967-79	H6	9.036	11701-1150	4PCS/SET	13201-1110	11822-1020	13272-1090
	D <b>EB300</b>	1971~77	6	9.838	11701-1161		13201-1120 13201-1300 13201-1280	11832-1020 11842-1020 11852-1020	13272-1040

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
5	D <b>EB300</b>	1971-86	6	9.838	<b>MS-1079GP</b>	<b>TW-1120BC</b>	<b>CB-2100GP</b>	<b>SH-1079B</b>	<b>PB-1120J</b> 13272-1100
	D <b>EB400</b>	7/77-88	H6	9.838	11701-1161 11701-1160 11701-1150	11011-1171 11011-1170 11011-1060 (1977-) 3PCS/SET	13201-1300 13201-1280 13201-1111 13201-1110 13201-1120	11812-1020 11822-1020 11832-1020 11842-1020 11852-1020	
6	D <b>EC100</b>	10/68-86	6	5.010	<b>MS-1140GP</b> 11701-1260 11701-1450 11701-1451	<b>TW-1081GP</b> 11011-1110	<b>CB-1081GP</b> 13201-1170 13201-1160 13201-1290	<b>SH-1081B</b> 11812-1030 11822-1030 11832-1030	
7	D <b>EF100</b>	1971-10/82	V8	13.804	<b>MS-1144GP</b>	<b>TW-1144K</b>	<b>CB-1144GP</b>	<b>SH-1144A</b>	<b>PB-1144J</b> 13272-1050 13272-1010
	D <b>EF100-T</b>	1971-9/79	V8	13.804	11071-1431	11011-1030	13201-1021	(No.1)11811-1020	
	D <b>EF300</b>	1971-5/81	V8	14.232	11701-1430	(1971-7/75)	13201-1020	(No.2)11821-1180	
	D <b>EG100</b>	1973-5/78	V8	14.886	11701-1280	<b>TW-1148K</b> 11011-1150 (7/75-10/82)	13201-1200 13201-1020	(No.3)11821-1180 (No.4)11821-1180 (No.5)11811-1020	
8	D <b>EF350</b>	9/79-10/82	V8	14.779	<b>MS-1148GP</b>	<b>TW-1148K</b>	<b>CB-1144GP</b>	<b>SH-1144A</b>	<b>PB-1144J</b> 13272-1050 13272-1010
	D <b>EF500</b>	7/1975-	V8	15.459	11701-1023	11011-1150	13201-1021	(No.1)11811-1020	
	D <b>EF700</b>	10/76-9/81	V8	15.920	11701-1022		13201-1020	(No.2)11821-1180	
	D <b>EF700-T</b>	9/79-12/83	V8	15.920	11701-1021 11701-1020		13201-1200	(No.3)11821-1180 (No.4)11821-1180 (No.5)11811-1020	
9	D <b>EF550</b>	5/1981-	V8	16.260	<b>MS-2107GP</b>	<b>TW-2107K</b>	<b>CB-2107GP</b>	<b>SH-2107A</b>	<b>PB-2107J</b> 13272-1240
	D <b>EF750</b>	1/1981-	V8	16.745	11701-1580	11011-1210	13201-1380	(#1) 11811-1170	
	D <b>EF750-T</b>	6/1981-	V8	16.745	11701-1800 11701-1680	(5/81-10/85) <b>TW-2114K</b> 11011-1260 (10/1985- )		(#2) 11821-1180 (#3) 11821-1180 (#4) 11821-1180 (#5) 11811-1170	
10	D <b>F17C</b>	87-91	V8	17.238	<b>MS-2107GP</b>	<b>TW-2107K</b>	<b>CB-2107GP</b>	<b>SH-2107A</b>	<b>PB-2107J</b> 13272-1240
	D <b>F17C-T</b>	87-91	V8	17.238	11701-1580	11011-1210	13201-1380	(#1) 11811-1170	
	D <b>F17D</b>	89-ON	V8	16.745				(#2) 11821-1180	
	D <b>F17D-T</b>	90-ON	V8	16.745				(#3) 11821-1180	
	D <b>F17E</b>	89-ON	V8	16.745				(#4) 11821-1180	
	D <b>F20C</b>	89-ON	V8	19.688				(#5) 11811-1170	

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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
11	D <b>F21C</b>		V8	20.781	<b>MS-2120GP</b> 11701-2370	<b>TW-2120K</b> 11011-1300	<b>CB-2107GP</b> 13201-1380	<b>SH-2107A</b> (#1) 11811-1170 (#2) 11821-1180 (#3) 11821-1180 (#4) 11821-1180 (#5) 11811-1170	
12	D <b>EH100</b>	5/1972-86	6	5.871	<b>MS-1140GP</b> 11701-1271 11701-1270	<b>TW-1081GP</b> 11011-1110	<b>CB-1165GP</b> 13201-1180	<b>SH-1081B</b> (#1)11812-1030 (#2)11822-1030 (#3)11832-1030 (#4)11842-1050	<b>PB-1139J</b> 13271-1030
13	D <b>EH300</b>	6/74-12/80	6	6.211	<b>MS-1140GP</b> 11701-1271 11701-1270	<b>TW-1081GP</b> 11011-1110	<b>CB-1140GP</b> 13201-1190	<b>SH-1081B</b> (#1)11812-1030 (#2)11822-1030 (#3)11832-1030 (#4)11842-1050	<b>PB-1140J</b> 13272-1030
14	D <b>EH500</b>	2/1980-83	6	6.211	<b>MS-1140GP</b>	<b>TW-1081GP</b>	<b>CB-2101GP</b>	<b>SH-2101A</b>	<b>PB-2108J</b>
	D <b>EH700</b>	1/1975-83	6	6.443	11701-1271 11701-1270 11701-1520	11011-1110	13201-1261 13201-1260 13201-1360	11812-1051 11822-1050 11832-1050  11842-1030	13272-1220 13272-1270
15	D <b>EH500</b> <b>EH700</b> <b>EH700-T</b>	1983-86 83-	6	6.211	<b>MS-1140GP</b> 11701-1271 11701-1270 11701-1520	<b>TW-1081GP</b> 11011-1110	<b>CB-2101GP</b> 13201-1261 13201-1260 13201-1360	<b>SH-2108A</b> 11812-1051 11822-1110 11832-1080 11842-1080 11852-1060 11862-1040 11872-1030	<b>PB-2108J</b> 13272-1220 13272-1270

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
16	D <b>EK100</b>	1986-12/89	6	13.267	<b>MS-2102GP</b>	<b>TW-2102K</b>	<b>CB-2102GP</b>		<b>PB-2102J</b>
	D <b>EK200</b>	1986-12/89	H6	13.267	11701-1013	11011-1011	13201-1012		13272-1010
	D <b>K13D</b>	12/1989-	6	13.267	11701-1012		13201-1011		
	D <b>K13U</b>	6/1990-	H6	13.267	11701-1011		13201-1010		
	D <b>K130-T</b>	12/89-91	6	13.267	11701-1010 11701-1690				
17	D <b>EL100</b>	3/1978-91	6	7.862	<b>MS-2103GP</b>	<b>TW-2103GP</b>	<b>CB-2103GP</b>	<b>SH-2103A</b>	<b>PB-2103J</b>
	D <b>EL100-T</b>	12/1981-91	6	7.862	11701-1460 11701-1470 11701-1851	11011-1180 (3/78-6/80) <b>TW-2105GP</b> 11011-1220 (6/80-6/91)	13201-1312 13201-1252	11811-1070 11821-1070 11831-1060 11841-1020 11851-1050 11861-1040 11871-1050	13272-1200
18	D <b>EM100</b>	6/1981-	6	9.419	<b>MS-2103GP</b> 11701-1460 11701-1470 11701-1851	<b>TW-2105GP</b> 11011-1220	<b>CB-2106GP</b> 13201-1400 13201-1510	<b>SH-2103A</b> as group 17	<b>PB-2105J</b> 13272-1250
19	D <b>EP100</b>	11/81-91	6	8.821	<b>MS-2103GP</b>	<b>TW-2105GP</b>	<b>CB-2106GP</b>	<b>SH-2103A</b>	<b>PB-2113J</b>
	D <b>EP100-T</b>	5/81-91	6	8.821	11701-1590	11011-1220	13201-1410	as group 17	13272-1260
	D <b>P09B-T</b>	6/1984	6	8.501	11701-1851		(5/81-6/84) <b>CB-2113GP</b> 13201-1490 13201-1670 (6/84-)		
20	D <b>EP100-T</b>	1986-89	6	8.821	<b>MS-2103GP</b>	<b>TW-2105GP</b>	<b>CB-2113GP</b>	<b>SH-2113A</b>	<b>PB-2113J</b>
	<b>M10U</b>	85-ON	6	9.880	11701-1590 11701-1851 11701-1470	11011-1220	13201-1490 13201-1670 13201-1520	11811-1070 11831-1060 11851-1050 11871-1050	13272-1260

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
21	D <b>H06C</b>	12/83-7/86	6	6.485	<b>MS-2108GP</b>	<b>TW-2108K</b>	<b>CB-2108GP</b>	<b>SH-2108A</b>	<b>PB-2108J</b>
	D <b>H07C</b>	1/83-7/86	6	6.728	11701-1790	11011-1270	13201-1460	11812-1051	13272-1270
	D <b>H06B-T</b>	1985-6/86	6	6.224	11701-1641	11011-1230	13201-1480	11822-1110	
	D <b>H06C-T</b>	12/82-6/86	6	6.485	11701-1661 11701-1602 11701-1601 11701-1640	11011-1380	13201-1421	11832-1080 11842-1080 11852-1060 11862-1040 11872-1030	
22	D <b>H06C</b>	7/1986-	6	6.485	<b>MS-2108GP</b>	<b>TW-2108K</b>	<b>CB-2111GP</b>	<b>SH-2108A</b>	<b>PB-2108J</b>
	D <b>H07C</b>	7/1986-	6	6.728	11701-1790	11011-1270	13201-1580	as group 21	13272-1270
	D <b>H06B-T</b>	7/1986-	6	6.224	11701-1641	11011-1230	13201-1590		
	D <b>H06C-T</b>	7/1986-	6	6.485	11701-1661 11701-1602 11701-1601 11701-1640	11011-1380	13201-1600		
23	D <b>H07C/T</b>	6/1986-90	6	6.728	<b>MS-2108GP</b>	<b>TW-2108K</b>	<b>CB-2111GP</b>	<b>SH-2111A</b>	<b>PB-2108J</b>
	D <b>H06B-T</b>	7/1989-	6	6.224	11701-1790	11011-1270	13201-1580	11812-1051	13272-1270
	D <b>H06C-T</b>	6/1986-	6	6.485	11701-1641	11011-1230	13201-1590	11832-1080	
	D <b>H07C-T</b>	7/1989-	6	6.728	11701-1661 11701-1602 11701-1601 11701-1640	11011-1380	13201-1600	11852-1060 11872-1030	
24	D <b>H06C-T1</b>		6	6.485	11701-2290A		<b>CB-2111GP</b> 13201-1600A		<b>PB-2108J</b> 13272-1270

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
25	D <b>H07D</b>	7/1989-	6	7.412	<b>MS-2108GP</b> 11701-1790 11701-1641 11701-1661 11701-1602 11701-1601 11701-1640	<b>TW-2108K</b> 11011-1270 11011-1230 11011-1380	<b>CB-2115GP</b> 13201-1631 13201-1640		<b>PB-2118J</b> 13272-1300B
26	D <b>J05C</b> D <b>J07C</b>		4 5	5.307	<b>M1-2117GP</b> 11701-2160A		<b>C1-2117GP</b> 13201-1780A	<b>SH-2117A</b> 11901-1010	<b>PB-2116J(4)</b> <b>PB-2117J(5)</b> 13272-1300
27	D <b>J05C-T1</b>		4	5.307	<b>M1-2117GP</b> 11701-2160A		<b>C1-2118GP</b> 13201-1790A	<b>SH-2117A</b> 11901-1010	
28	D <b>J08C</b>		6	7.961	<b>M1-2117GP</b> 11701-2180A		<b>CB-2115GP</b> 13201-1631	<b>SH-2118A</b> 11901-1020	<b>PB-2118J</b> 13272-1300B
29	D <b>J08C-T1</b>		6	7.961	11701-2110A		<b>C1-2118GP</b> 13201-1751A	<b>SH-2118A</b> 11901-1020	
30	D <b>K13C</b> D <b>K13C-T</b>	1/87-3/92 10/85-	6 6	12.882 12.882	<b>MS-2102GP</b> 11701-1013	<b>TW-2102K</b> 11011-1011 (1/87-3/92) <b>(TW-2112K)</b> 11011-1250 (4/1992-)	<b>CB-2112GP</b> 13201-1610	<b>SH-2102A</b> 11811-1190 11821-1200 11831-1140 11841-1130 11851-1090 11861-1060 11871-1060	<b>PB-2104J</b> 13272-1320
31	D <b>K13D</b>		6	13.267	<b>MS-2102GP</b> 11701-1013 11701-1013A	<b>TW-2123K</b> 11011-1360A	<b>CB-2102GP</b> 13201-1012A	<b>SH-2102A</b> as group 31	<b>PB-2102J</b> 13271-1010

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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
32	D <b>P09C-T</b>		6	8.821	11701-1870A	<b>TW-2122K</b> 11011-1330A	<b>CB-2113GP</b> 13201-1670A	<b>SH-2103A</b>  as group 15	13271-1390
33	D <b>P11C</b>		6	10.520	<b>MS-2103GP</b> 11701-1851A	<b>TW-2122K</b> 11011-1330A	<b>CB-2112GP</b> 13201-1880B	<b>SH-2103A</b>  as group 15	13271-1460
34	D <b>V21C</b>	3/87-91	V10	20.932	<b>MS-2114GP</b> 11701-1780	<b>TW-2114K</b> 11011-1260	<b>CB-2114GP</b> 13201-1620	<b>SH-2114A</b> 11811-1170 11821-1180	<b>PB-2114J</b> 13272-1240
	D <b>V22C</b>	3/87-91	V10	21.548					
	D <b>V25C</b>	4/91-	V10	24.610					
35	D <b>V25C</b>		V10	24.610	<b>MS-2114GP</b> 11701-1780	<b>TW-2121K</b> 11011-1290	<b>CB-2114GP</b> 13201-1620	<b>SH-2114A</b> 11811-1170 11821-1180	13271-1510
	D <b>V26C</b>		V10	25.977					
	D <b>V22D</b>		V10						
36	D <b>W04C-T</b>	2/1985-	4	3.839	<b>MS-2109GP</b> 11701-1611 11701-1730	<b>TW-2109GP</b> 11011-1240	<b>CB-2109GP</b> 13201-1540	<b>SH-2109B</b> 11811-1180 11821-1190 11831-1130	
37	D <b>W04D</b>	4/1983-	4	4.009	<b>MS-2109GP</b> 11701-1611 11701-1730 11701-1611 11701-78010	<b>TW-2109GP</b> 11011-1240	<b>CB-2109GP</b> 13201-1430 13281-78010	<b>SH-2109B</b> 11811-1180 11821-1190 11831-1130	<b>PB-2111J</b> 13272-1280 13272-1281
	D <b>W04D-T</b>	5/1983-	4	4.009					
38	D <b>W06D</b>	3/1983-	6	5.759	<b>MS-2110GP</b> 11701-1630 11701-1750	<b>TW-2109GP</b> 11011-1280	<b>CB-2110GP</b> 13201-1450 13201-1550 13201-1430	<b>SH-2110B</b> 11811-1180 11821-1190 11831-1130 11841-1120	<b>PB-2112J</b> 13272-1280 13272-1281
	D <b>W06D-T</b>	5/1983-	6	5.759					
	D <b>W06E</b>	4/1986-	6	6.014					



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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
5	G <b>B20A (DOHC)</b>	5/1985-	4	1.958	<b>MS-2208GP</b> 13321~7-PG6-003	<b>TW-2208GP</b> 13331-PG6-003	<b>CB-2213GP</b> 13211~7-PH3-003		
	G <b>B21A (DOHC)</b> Prelude Accord	5/1991-	4	1.958	13321~7-PG6-004 13321-PH6-003 13321-PH6-004 13321-PK1-751 13321~7-PH3-003 13321~7-PH3-004	13331-PG6-004	13211~7-PH3-004		
6	G <b>C20A</b>	10/85-10/9	V6	1.996	<b>MS-2211GP</b>	<b>TW-1134GP</b>	<b>CB-2211GP</b>		
	G <b>C20A-T</b> Legend	10/88-10/9	V6	1.996	(U) 13321~5-PH6-013 (U)13321~5-004/023 (L)13341~5-PH6-013 (L)13341~5-004/023	13331-634-003 13331-634-004 13331-634-004	13211~7-PH6-013 13211~7-PH6-014		
7	G <b>C25A</b>	11/85-9/88	V6	2.493	<b>MS-2210GP</b>	<b>TW-2210GP</b>	<b>CB-2210GP</b>		
	G <b>C27A</b> Legend	10/85-10/9	V6	2.675	(U)13321~5-PH7-013/14 (U)13321~5-PL2-003/4 (U)13321~5-PL2-J01/2 (L)13341~5-PH7-013/14 (L)13341~5-PL2-003/4 (L)13341~5-PL2-J01/2	13331-PH7-003 13331-PH7-004	13211~5-PH7-013 13211~5-PH7-014		
8	G <b>D12A</b>	10/1986-	4	1.237	<b>MS-2214A</b>	<b>TW-1134GP</b>	<b>CB-2214GP</b>		
	G <b>D13C</b> Civic	8/1988-	4	1.296	13321~7-PJ7-003 13321~7-PJ7-004 13321~7-PJ7-003 13321~7-PJ7-004	13331-PD1-003 13331-PD1-004	13211~7-PJ7-003 13211~7-PJ7-004		

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
9	G <b>D13A</b>	9/87-7/88	4	1.343	<b>MS-2206GP</b> 13321~7-PC0-004 13321~7-PC0-014 13321~7-PE0-661 13321~7-PE0-662 13032~8-PC0-S20 13032~8-PE0-660	<b>TW-1134GP</b> 13331-PD1-003 13331-PD1-004 13014-PD1-S10 13014-PD1-S20	<b>CB-2204GP</b> 13211~7-PE0-003 13211~7-PE0-004 13022~8-PE0-S10 13022~8-PE0-S20		
	G <b>D13B</b>	6/1987-	4	1.343					
	Civic								
	Logo								
10	G <b>D15A</b>	8/87-7/88	4	1.493	<b>MS-2206GP</b> 13321~7-PC0-004 13321~7-PC0-014 13321~7-PE0-661 13321~7-PE0-662 13032~8-PC0-S20 13032~8-PE0-660	<b>TW-1134GP</b> 13331-PD1-003 13331-PD1-004 13014-PD1-S10 13014-PD1-S20	<b>CB-2205GP</b> 13211~7-PE1-003 13211~7-PE1-004 13022~8-PE1-S10 13022~8-PE1-S20		
	G <b>D15B</b>	6/1987-	4	1.493					
	G <b>D15Z</b>	9/1991-	4	1.493					
	Civic								
11	G <b>D15B</b>	9/1991-	4	1.493	<b>MS-2206GP</b> 13321~7-PC0-004 13321~7-PC0-014 13321~7-PE0-661 13321~7-PE0-662 13032~8-PC0-S20 13032~8-PE0-660	<b>TW-1134GP</b> 13331-PD1-003 13331-PD1-004 13014-PD1-S10 13014-PD1-S20	<b>CB-2208GP</b> 13022~8-PG6-S10 13022~8-PG6-S20		
	G <b>D15Z</b>	9/1991-	4	1.493					
	Civic								
12	G <b>D16A</b>	10/86-90	4	1.590	<b>MS-2208GP</b> 13321~7-PG6-004 13321~7-PG6-003 13321~7-PM6-004 13321~7-PM6-003	<b>TW-2208GP</b> 13331-PG6-004 13331-PG6-003	<b>CB-2208GP</b> 13211-PG6-004 13211-PG6-003		
	G <b>B18A</b>	1986-89	4	1.834					
	(U.S.A)								
	Accura Integra Domani HRV								
13	G <b>E05A</b>	12/87-2/90	3	547	13321~7-PN4-003 13321~7-PN4-005	<b>TW-1175A</b> 13331-679-003	13211~7-PN4-003 13211~7-PN4-004		
	Acty Today								

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
14	G <b>EB5</b>	1972~75	4	1.488	<b>MS-1134GP</b>	<b>TW-1134GP</b>	<b>CB-1142GP</b>		
	G <b>EC</b>	11/74-10/7	4	1.488	13321~7-634-306	13331-634-004	13211~7-PC1-004		
	G <b>ED</b>	12/73-10/8	4	1.488	13321~7-634-305	13331-634-003	13211~7-PC1-003		
	G <b>EF</b>	4/76-10/86	4	1.599	13321~7-634-004	13331-PD1-004	13211~7-PB2-004		
	G <b>EK</b>	9/78-6/83	4	1.750	13321~7-634-003	13331-PD1-003	13211~7-PB2-003		
	G <b>EM</b>	6/79-10/83	4	1.488	13321~7-634-0031		13211~7-642-004		
	G <b>EP</b> Civic	2/80-10/86	4	1.601			13211~7-642-003		
15	G <b>EE</b>	8/75-6/79	4	1.238	<b>MS-1134GP</b>	<b>TW-1134GP</b>	<b>CB-1134GP</b>		
	G <b>EJ</b>	5/78-10/83	4	1.335	13321~7-634-306	13331-634-004	13211~7-634-003/4		
	G <b>EN</b>	10/79-10/8	4	1.335	13321~7-634-305	13331-634-003	13211~7-PA5-003/4		
	G Civic				13321~7-634-004 13321~7-634-003 13321~7-634-0031	13331-PD1-004 13331-PD1-003	13211~7-PB9-003/4 13211~7-PD1-003		
16	G <b>EH</b> Acty	7/77-6/82	2	545	<b>MS-1175A</b> 13321~7-679-003	<b>TW-1175A</b> 13331-679-003	<b>CB-1175GP</b> 13211~7-679-003		
17	G <b>EH</b> Acty Today	6/82-5/88	2	545	<b>MS-2202A</b> 13321~7-679-013 13321~7-679-005	<b>TW-1175A</b> 13331-679-003	<b>CB-1175GP</b> 13211~7-679-003 13211~7-PD1-003 13211~7-PD1-004		
18	G <b>ER</b> City	11/81-10/8	4	1.231	<b>MS-2206GP</b> 13321~7-PC0-004 13321~7-PC0-003	<b>TW-1134GP</b> 13331-PD1-003 13331-PD1-004	<b>CB-2206GP</b> 13211~7-PC0-004		

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
19	G <b>ES</b>	11/82-4/87	4	1.829	<b>MS-2200GP</b>	<b>TW-1134GP</b>	<b>CB-2200GP</b>		
	G <b>ET</b> Vigor	6/83-10/86	4	1.829	13321~7-PC6-003 13321~7-PC6-004 13321~7-PD2-004	13331-634-003 13331-634-004	13211~7-PR4-A01 13211~7-PR4-A02 13211~7-PK1-003 13211~7-PC6-003 13211~7-PC6-004 13211~7-PD2-004		
20	G <b>EV</b> Civic	7/83-10/87	4	1.342	<b>MS-1134GP</b> 13321~7-634-003 13321~7-634-004	<b>TW-1134GP</b> 13331-PD1-003 13331-PD1-004	<b>CB-2204GP</b> 13211~7-PE0-003 13211~7-PE0-004		
21	G <b>EV1</b> Civic	9/83-10/87	4	1.342	<b>MS-2206GP</b> 13321~7-PE0-004/662	<b>TW-1134GP</b> 13331-PD1-003/4	<b>CB-2209GP</b> 13211~7-PE0-661/2		
22	G <b>EW</b> Civic	8/80-5/89	4	1.488	<b>MS-1134GP</b> 13321~7-634-003 13321~7-634-004	<b>TW-1134GP</b> 13331-PD1-003 13331-PD1-004	<b>CB-2205GP</b> 13211~7-PE1-003 13211~7-PE1-004		
23	G <b>EY</b> Accord	6/83-10/86	4	1.598	<b>MS-2200GP</b> 13321~7-PC6-003 13321~7-PC6-004	<b>TW-1134GP</b> 13331-634-003 13331-634-004	<b>CB-2203GP</b> 13211~7-PD4-003 13211~7-PD4-004		
24	G <b>F18B</b>		4	1.849	<b>MS-2213GP</b>	<b>TW-2213A</b>	<b>CB-2200GP</b>		
	G <b>F20B</b> Accord		4	1.997	13321-PT0-003 13321-PT0-004	13331-PT0-003 13331-PT0-004	13211-PC6-003		

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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing						
25	G <b>F18B</b> <b>F20B</b> Accord Prelude	1989-	4	1.849	<b>MS-2213GP</b>  13321-PCA-003	<b>TW-2213A</b>  13331-PAA-A010M1	<b>CB-2213GP</b>  13211-PH3-003		13203-PCA-0030H1						
		1989-	4	1.997											
26	G <b>F20A</b>	1989-	4	1.997	<b>MS-2213GP</b>  13321-PT0-003 13321-PT0-004	<b>TW-2213A</b>  13331-PT0-003	<b>CB-2213GP</b>  13211-PH3-003								
	G <b>F22B</b>	1991-	4	2.156											
	G <b>F22A</b>	1989-	4	2.156											
	G <b>F22B</b>	1991-	4	2.156											
	G <b>H23A</b> Accord Prelude	1990-	4	2.259											
27	G <b>ZC</b> Integra Ballade	10/1984	4	1.590	<b>MS-2208GP</b> 13321~7-PG6-003 13321~7-PG6-004 13321~7-PM6-003 13321~7-PM6-004 13321~7-PH3-003 13321~7-PH3-004 13321~7-PH3-S10 13321~7-PH3-S20	<b>TW-2208GP</b> 13014-PG6-S10 13014-PG6-S20 13331-PG6-003 13331-PG6-004	<b>CB-2208GP</b> 13211~7-PG6-003 13211~7-PG6-004 13022~8-PG6-S10 13022~8-PG6-S20								
	28	G <b>H22A</b> Prelude (VTEC)	1990-	4						2.156	<b>MS-2213GP</b> 13321-PT0-003 13321-PT0-004	<b>TW-2213A</b> 13331-PT0-003 13331-PT0-004	<b>CB-2217GP</b> 13216-P13-0141 13211-P13-014		

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
1	D <b>C190</b> Elf	1971-83	4	1.951	<b>MS-1138GP</b> 5-11510-020 5-11510-006 9-11510-801	<b>TW-1622GP</b> 9-11581-048	<b>CB-1070GP</b> 5-12271-005 9-12271-168 8-94142-208	<b>SH-1070B</b> 9-11610-602 9-11610-032 (1971-8/81) <b>SH-1605B</b> 5-11610-002 (F)5-11691-008 (C)5-11691-009 (R)5-11693-001 (81-83)	<b>PB-1070J</b> 9-12251-062 (1971-8/81) <b>PB-1605J</b> 5-12251-005 (8/81-5/83)
2	D <b>C190</b>	1983-5/88	4	1.951	<b>MS-1605GP</b>	<b>TW-1622GP</b>	<b>CB-1070GP</b>	<b>SH-1605B</b>	<b>PB-1605J</b>
	D <b>C223</b>	7/79-	4	2.238	8-94118-830	9-11581-048	8-94462-943	5-11610-002	5-12251-005
	D <b>C223-T</b> Bighom Elf	8/83-8/88	4	2,238	8-94139-682 8-94104-726 5-11510-036	8-94454-605 8-94125-752	8-94120-242 5-12271-005 8-94142-208	(F)5-11691-008 (C)5-11691-009 (R)5-11693-001	5-12551-007 (79-86)  8-94118-825 (11/86-8/88)
3	D <b>C221</b>	1968-7/79	4	2.207	<b>MS-1610GP</b> 5-11510-021 5-11510-005 9-11510-149 9-11510-163	<b>TW-1070GP</b> 9-11581-057	<b>CB-1070GP</b> 5-12271-005 9-12271-152 9-12271-168	<b>SH-1070B</b> 9-11610-620 9-11610-032	<b>PB-1033J</b> 9-12251-061 9-12251-038 9-12251-048
4	D <b>C240</b> Elf	1969-	4	2.369	<b>MS-1610GP</b> 5-11510-021 5-11510-005 9-11510-163 9-11510-149	<b>TW-1070GP</b> 9-11581-057	<b>CB-1070GP</b> 5-12271-005 9-12271-168 8-94142-208 8-94462-943 8-94120-242	<b>SH-1070B</b> 9-11610-602 9-11610-032 5-11610-002 5-11610-005 (1969-8/81) <b>SH-1605B</b> 5-11610-002 (F)5-11691-008 (C)5-11691-009 (R)5-11693-001 (8/1981-)	<b>PB-1070J</b> 9-12251-062 (1969-8/81) <b>PB-1605J</b> 9-12251-005 5-12251-005 5-12251-007 (8/1981- )

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
5	D <b>C330</b>	1971-88	4	3.318	<b>MS-1628GP</b> 5-11510-002 9-11510-608 9-11510-167 5-11510-043 (1976-81)  8-94153-512 5-11510-065 (1982-83)	<b>TW-1100GP</b> 9-11585-065 (1976-81) <b>TW-1129GP</b> 9-11685-601 (1982-83)	<b>CB-1603GP</b> 9-12271-608 5-12271-002 9-12271-157 9-12271-178 9-12271-175	<b>SH-1100B</b> 9-11691-048 9-11693-035 (1971-75) <b>SH-1163B</b> 9-11691-048 9-11693-035 (1976-88)	<b>PB-1100J</b> 9-12251-059 (1971-73) <b>PB-1129J</b> 5-12251-010 9-12251-603 (1973-88)
	D <b>D500</b> D <b>D500-T</b>	1970-88 1971-77	6	4.978	<b>MS-1629GP</b> 5-11510-041 (1970-81)  1-11510-041 (1982-88)	<b>TW-1100GP</b> 9-11585-065 (1970-81) <b>TW-1129GP</b> 9-11585-601 9-11685-601 (1982-88)	<b>CB-1612GP</b> 9-12271-178 9-12271-157	<b>SH-1129B</b> 9-11691-048 9-11693-035	<b>PB-1629J</b> 9-12251-059
7	D <b>DA120</b>	1965-81	6	6.126	<b>MS-1052GP</b>	<b>TW-1052GP</b>	<b>CB-1023GP</b>		<b>PB-1023J</b>
	D <b>GD150</b>	1965-74	6	5.654	9-11510-136 9-11510-127	9-11515-170	9-12271-121 9-12271-105		9-12251-083
8	D <b>DA640</b>	1965-8/88	6	6.373	<b>MS-1052GP</b>	<b>TW-1052GP</b>	<b>CB-1052GP</b>		<b>PB-1052J</b>
	D <b>DA640-T</b>	1966-6/84	6	6.373	9-11510-136 9-11510-127	9-11515-170	9-12271-146		9-12251-084

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
9	D <b>DA220</b>	1965-81	4	4.084	<b>MS-1064GP</b> 9-11510-138 1-11510-026	<b>TW-1052GP</b> 9-11515-170	<b>CB-1050GP</b> 9-12271-121 9-12271-105		<b>PB-1050J</b> 9-12251-083
10	D <b>D920</b> D <b>E110</b>	1967-71 1967-72	6 6	9.203 11.044	<b>MS-1092GP</b> 1-11510-012 9-11510-151 9-11510-152	<b>TW-1071GP</b> 9-11515-198	<b>CB-1092GP</b> 9-12271-153		<b>PB-1092J</b> 9-12251-074
11	D <b>DH100</b> D <b>DH100-T</b> D <b>DH100H</b> D <b>DH100</b>	1967-8/88 1967-2/80 1967~84 1982/11~88	6 6 6 6	10.179 10.179 10.179 10.179	<b>MS-1092GP</b> 1-11510-012 9-11510-152 9-11510-151 (1967-11/82) <b>MS-1609GP</b> 1-11510-037 1-11510-034 1-11510-055 (DH100 82-88)	<b>TW-1071GP</b> 9-11515-198	<b>CB-1042GP</b> 9-12271-130 (1967-68) <b>CB-1617GP</b> 9-12271-131 1-12271-131 (DH100 82-88)		<b>PB-1042J</b> 9-12251-070 9-12251-069
12	D <b>E120</b> D <b>E120-T</b>	1970- 1970-3/84	6 6	12.023 12.023	<b>MS-1154GP</b> 1-11510-033 1-11510-031 1-11510-011 9-11510-178	<b>TW-1102GP</b> 9-11515-216	<b>CB-1154GP</b> 1-12271-023 9-12271-177 1-12271-009		<b>PB-1154J</b> 9-12251-088

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
13	G <b>G130</b>	1966-70	4	1.325	<b>MS-1103GP</b>	<b>TW-1030GP</b>	<b>CB-1032GP</b>	<b>SH-1032B</b>	<b>PB-1032J</b>
	G <b>G150</b>	1966-75	4	1.471	8-94215-641	8-94210-750	9-12271-143	5-11611-002	9-12251-045
	G <b>G161</b>	1966-5/86	4	1.584	9-11510-609	9-11581-021	9-12271-100	9-11611-020	1966-10/1979
	G <b>G180</b>	1969-7/87	4	1.817	9-11510-141		8-94424-465	(1966-75)	
	G <b>G200</b>	12/1978-88	4	1.949	8-94250-574		(66-86)	<b>SH-1620B</b>	
	G <b>G161W</b>	1969~81	4	1.584			<b>CB-1628GP</b>	9-11611-040	
	G <b>G180W</b>	1972~81	4	1.817			8-94424-246	9-11611-035	
	G <b>G161Z</b>	1972~	4	1.584			8-94218-061	(1975-4/88)	
	G <b>G180Z</b>	1972~	4	1.817			8-94115-354		
	G <b>G180S</b>	1969~75	4	1.817			(2 HOLES)		
	G <b>G180W</b>	1982~	4	1.817			(86-88)		
	G <b>G200W</b>	1979~85	4	1.949					
	Gemini Piazza Coupe								
14	G <b>G200Z-S</b>	5/83-7/85	4	1.949	<b>MS-1103GP</b> 8-94215-641 9-11510-609 9-11510-141 8-94250-574	<b>TW-1030GP</b> 8-94210-750 9-11581-021	<b>CB-1620GP</b> 8-94115-354 8-94424-252 8-94251-266	<b>SH-1620B</b> 9-11611-040	
15	G <b>G200</b> Coupe	4/88-89	4	1.949	<b>MS-1620GP</b> 8-94251-263 8-94414-301 8-94101-043	<b>TW-1616A</b> 8-94210-265 8-94251-265	<b>CB-1620GP</b> 8-94251-266 9-94424-252 8-94115-354	<b>SH-1620B</b> 9-11611-040	
16	D <b>4BA1</b>	1971-88	4	2.775	<b>MS-1628GP</b>	<b>TW-1129GP</b>	<b>CB-1603GP</b>	<b>SH-1100B</b>	<b>PB-1100J</b>
	D <b>4BB1</b>	1971-89	4	3.595	5-11510-002	9-11585-601	9-12271-002	5-87810-017	9-12251-059
	D <b>4BC1</b>	78-84	4	3.268	9-11510-608		9-12271-608	9-11691-048	for 4BA1
	D <b>4BC2</b>	80-ON	4	3.268	(M1-1129GP X5)		8-97011-031	9-11693-035	<b>PB-1163J</b>
	D <b>4BE1</b>	85-ON	4	3.636	(71-78)		(C1-1129GP X2)	(71-76)	1-12251-027
	D <b>4BE2</b>	86-ON	4	3.636					5-12251-006
				<b>MS-1163GP</b> 5-11510-051 (78-81)			<b>SH-1163B</b> 9-11611-048 9-11693-035 (81-ON)	9-12251-602 for 4BB1, 4BC2	
				<b>MS-1603GP</b> 8-94114-564 8-97011-024 5-11510-060 (85-ON)	<b>TW-1155GP</b> 8-94114-565 5-11685-001			<b>PB-1129J</b> 5-12251-010 5-12251-603 for 4BC1	

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
17	D <b>4BA1</b>	1976-12/78	4	2.775	<b>MS-1628GP</b>	<b>TW-1129J</b>	<b>CB-1603GP</b>	<b>SH-1163B</b>	<b>PB-1100J</b>
	D <b>UM4BA1</b>	5/78-12/78	4	2.775	5-11510-002	9-11585-601	9-12271-002	(No.1) 9-11611-048	9-12251-059
	D <b>4BB1</b>	1976-12/78	4	3.595	9-11510-608		9-12271-608	(No.2.3) 9-11693-035	for 4BA1
	D <b>UM4BB1</b>	5/77-12/78	4	3.595			5-12271-002 8-87011-031	(No.1) 9-11691-048 (No.2.3) 9-11693-035	<b>PB-1163J</b> 1-12251-027 5-12251-006 9-12251-602 for 4BB1, 4BC2
18	D <b>4BA1</b>	12/78-9/81	4	2.775	<b>MS-1163GP</b>	<b>TW-1129GP</b>	<b>CB-1603GP</b>	<b>SH-1163B</b>	<b>PB-1100J</b>
	D <b>UM4BA1</b>	12/78-9/81	4	2.775	5-11510-051 (78-81)	9-11585-601	9-12271-002	(No.1) 9-11611-048	9-12251-059
	D <b>4BB1</b>	12/78-9/81	4	3.595	<b>MS-1603GP</b>		9-12271-608	(No.2.3) 9-11693-035	for 4BA1
	D <b>UM4BB1</b>	12/78-9/81	4	3.595	8-94114-564		8-97011-031	(No.1) 9-11691-048	<b>PB-1163B</b>
	D <b>4BC1</b>	12/78-6/84	4	3.268	5-11510-060 8-97011-024 (1985-on)		(C1-1129GP X2)	(No.2.3) 9-11693-035	1-12251-027 5-12251-006 9-12251-602 for 4BB1,4BC2 <b>PB-1129J</b> 5-12251-010 5-12251-603 9-12251-603 for 4BC1
19	D <b>4BA1</b>	9/81-10/85	4	2.775		<b>TW-1129GP</b>	<b>CB-1603GP</b>	<b>SH-1163B</b>	<b>PB-1100J</b>
	D <b>UM4BA1</b>	9/81-10/85	4	2.775		9-11585-601	9-12271-002	(No.1) 9-11611-048	9-12251-059
	D <b>4BB1</b>	9/81-10/85	4	3.595			9-12271-608	(No.2.3) 9-11693-035	for 4BA1
	D <b>UM4BB1</b>	9/81-10/85	4	3.595	5-11510-065		8-97011-031 (C1-1129GP X2)	(No.1) 9-11691-048 (No.2.3) 9-11693-035	<b>PB-1163B</b> 1-12251-027 5-12251-006 9-12251-602 for 4BB1, 4BC2

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
20	D <b>4BA1</b>	10/85-5/88	4	2.775	<b>MS-1603GP</b>	<b>TW-1155GP</b>	<b>CB-1603GP</b>	<b>SH-1163B</b>	<b>PB-1100J</b>
	D <b>UM4BA1</b>	10/85-5/88	4	2.775	8-94114-564	8-94114-565	9-12271-002	(No.1) 9-11611-048	9-12251-059
	D <b>4BB1</b>	10/85-89	4	3.595	5-11510-060	5-11685-001	9-12271-608	(No2.3) 9-11693-035	for 4BA1
	D <b>UM4BB1</b>	10/85-89	4	3.595	8-97011-024	<b>TW-1129GP</b>	8-97011-031	(No.1) 9-11691-048	<b>PB-1163B</b>
	D <b>4BC2</b>	2/80-	4	3.268		9-11585-601	(C1-1129GP X2)	(No2.3) 9-11693-035	1-12251-027
	D <b>UM4BC2</b>	7/81-89	4	3.268					5-12251-006
	D <b>4BE1</b>	1/1985-	4	3.636					9-12251-602
	D <b>4BE2</b>	6/1986-	4	3.636					for 4BB1, 4BC2
21	D <b>4BD1</b>	12/78-	4	3.856		<b>TW-1155GP</b>	<b>CB-1603GP</b>	<b>SH-1163B</b>	<b>PB-1163J</b>
	D <b>4BD1-T</b>	2/80-	4	3.856		8-94114-565	8-97011-031	(No.1) 9-11611-048	1-12251-027
	D <b>UM4BD1</b>	12/78-	4	3.856	5-11510-054	5-11685-001	9-12271-608	(No2.3) 9-11693-035	5-12251-006
	D <b>4BD2</b>	1993-	4	3.856	5-11510-053		1-12271-070	(No.1) 9-11691-048	9-12251-602
	D <b>4BG1</b>	6/1986-	4	4.329	(12/78-7/80)		5-12271-002	(No2.3) 9-11693-035	
	D <b>UM4BG1</b>	7/1989-	4	4.329		<b>MS-1604GP</b>	9-12271-010		
					5-11510-064		(C1-1129GP X2)		
					8-94117-032				
					(4/1980- )				
					8-94132-813				
					8-97025-446				
					(4/1986- )				
22	D <b>4EC1</b>	3/85-2/90	4	1.487	<b>MS-1624GP</b>	<b>TW-1625A</b>	<b>CB-1624A</b>		<b>PB-1624J</b>
	D <b>4EC1-T</b> Gemini	3/85-2/90	4	1.487	8-94151-600-3 (4EC1)	8-94321-611 8-94124-100- 8-94427-387	8-94314-253~255 8-94151-604~606 8-94340-051~053 8-94472-613~615		8-94251-216 (4EC1)
					<b>MS-1625GP</b>	8-94114-106			<b>PB-1625J</b>
					8-94154-014-7 8-94470-527-30 (4EC1-T)	8-94314-292			8-94114-054 (4EC1-T)
23	D <b>4EE1-T</b>	2/1990-	4	1.686	<b>MS-1625GP</b>	<b>TW-1626A</b>	<b>CB-1624A</b>		<b>PB-1636J</b>
					8-94381-684~687	8-94321-679-0	8-94381-678~680		8-94369-904

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
24	D <b>4FA1</b>	1981-89	4	1.487	<b>MS-1616GP</b>	<b>TW-1616A</b>	<b>CB-1616GP</b>	<b>SH-1166B</b>	<b>PB-1166J</b>
	D <b>4FA1-T</b>	1981-89	4	1.487	8-94110-927	8-94250-265	8-94110-930	5-11611-010	5-12271-007
	D <b>4FB1</b>	1-1979	4	1.817	8-94220-838		8-94221-167	5-11611-011	
	D <b>4FB1-T</b>	1/82-5/86	4	1.817	8-94250-262		5-12271-032		<b>PB-1638J</b>
	D <b>4FC1</b>	1/80-6/90	4	1.995	8-94420-010~012		8-94257-556		8-94247-838
	D <b>4FC1-T</b>	8/1983-91	4	1.995	8-94420-013~015		8-94329-497~499		for 4FB1T,4FC1T
	D <b>4FD1</b>	3/83-11/88	4	2.189					4FD1,4FG1
	D <b>4FE1</b>	5/1985-	4	1.499					
	D <b>4FE1-T</b>	5/1985-	4	1.499					
	D <b>4FG1</b>	11/89-6/90	4	2.380					
	Gemini Fargo								
25	D <b>4HF1</b>	5/90-	4	4.334	<b>MS-1631GP</b>	<b>TW-1631A</b>	<b>CB-1631GP</b>	<b>SH-1631A</b>	<b>PB-1631J</b>
	D <b>4HE1-T</b>		4	4.334	8-97045-915	8-94396-980	8-97045-800/1	8-94363-380	1-12251-036
					8-97045-916 8-97045-917	(F)8-94399-277 (R)8-94399-283	<b>CB-1640GP</b> 8-97131-186 4HE1-T)		
26	D <b>4HG1</b>		4	4.570	<b>MS-1631GP</b>	<b>TW-1631A</b>	<b>CB-1631GP</b>	<b>SH-1640A</b>	<b>PB-1631J</b>
					8-97045-915 8-97045-916 8-97045-917	8-94396-980	8-97045-800~801	8-97112-638	1-12251-036
27	D <b>4HJ1</b>		4	4.985	<b>MS-1631GP</b>	<b>TW-1631A</b>	<b>CB-1631GP</b>		<b>PB-1631J</b>
					8-97045-915 8-97045-916 8-97045-917	8-94396-980	8-97045-800/01		1-12251-036
28	D <b>4JA1</b>	5/1984-	4	2.499	<b>MS-1622GP</b>	<b>TW-1622A</b>	<b>CB-1622GP</b>	<b>SH-1622B</b>	<b>PB-1622J</b>
	D <b>UM4JA1</b>	7/84-89	4	2.499	8-94168-553	8-94168-555	8-94324-159	8-94427-196	8-94247-968
	D <b>4JC1</b>	1/84-	4	2.238	8-94462-131	8-94125-752	8-94125-747	8-94168-556	8-94419-455
	D <b>4JD1</b>	1987-	4	2.039	8-94314-314	8-94454-604		(F)8-94125-743	4JA1,4JC1 & 4JD1
	D <b>4JE1</b>	1987-	4	1.862	8-94338-581	8-94454-605		(C,R)8-94125-741	
	D <b>4JF1</b>	1987-	4	1.496	8-94340-693~695	8-11581-045		(F)8-94427-206	
	D <b>D201</b>	85-8/88	2	2.238	8-97063-261~263			(C,R)8-94427-201	

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
29	D <b>4JB1</b>	1984-	4	2.771	<b>MS-1623GP</b>	<b>TW-1070GP</b>	<b>CB-1622GP</b>	<b>SH-1622B</b>	<b>PB-1622J</b>
	D <b>4JB1-T</b>	1986-	4	2.771	8-94168-552	8-94453-520	8-94125-747	8-94168-556	8-94247-968
	D <b>4JG2</b>		4	3.059	8-94453-761	8-94168-554	8-94120-242	(F)8-94125-743	8-94419-455
	D <b>4JG2-T</b> Trooper Bighom		4	3.059	8-97063-258 (U)8-94481-026~028 (L)8-94481-029~031	8-94130-923 8-94453-762	8-94382-193 8-94324-159	(C.R)8-94125-741 (F)8-94427-206 (C.R)8-94427-201	(1/84-9/88) <b>PB-1623J</b> 8-84457-158 (88-on)
30	G <b>4XC1</b>	1985-ON	4	1.471	<b>MS-1621A</b>	<b>TW-1621A</b>	<b>CB-1621A</b>		<b>PB-1626J</b>
	G <b>4XC1-T</b>	4/86-ON	4	1.471	8-94151-527	8-94257-903	8-94151-531		9-94316-289
	G <b>4XE1</b>	1/1988-	4	1.588	8-94457-034~037	8-94409-869	8-94151-532~553		
	G <b>4XE1-T</b> Gemini	2/1900-	4	1.588	8-94151-528~530 (3/85-2/90) <b>MS-1626A</b> 8-94360-465~8 (1990-ON ) <b>MS-1633A</b> 8-94331-704~7 for 4XE1-T	(3/85-2/90) <b>TW-1626A</b> 8-94321-679 (1990- )	8-94311-012~014 (for 4XC1,4XC1-T) <b>CB-1626GP</b> 8-94311-013 8-94481-860~862 (for 4XE1) <b>CB-1633GP</b> 8-94331-708~710 (for 4XE1-T)		
31	G <b>4ZA1</b>	1/1981-	4	1.584	<b>MS-1620GP</b>	<b>TW-1616A</b>	<b>CB-1620GP</b>		
	G <b>4ZB1</b>	3/81-6/90	4	1.817	8-94251-263	8-94251-265	8-94414-305~306		
	G <b>4ZB1-T</b>	1986-9/88	4	1.817	8-94414-301~302	8-94481-907	8-94251-266		
	G <b>4ZC1</b>	3/86-	4	1.994	8-94101-043		8-94483-772		
	G <b>4ZC1-T</b>	4/83-6/90	4	1.994	8-94232-051		8-94240-676		
	G <b>4ZD1</b> Fargo Piazza	5/84-	4	1.254	5-11510-030		8-94101-041		
32	G <b>4ZE1</b> Trooper	8/1987-	4	2.559	<b>MS-1627GP</b> 8-94446-580~582 8-94340-684	<b>TW-1616A</b> 8-94481-907 8-94251-265	<b>CB-1627A</b> 8-94440-093~095		

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
33	D <b>6BB1</b>	1972-76	6	5.393	<b>MS-1629GP</b>	<b>TW-1629GP</b>	<b>CB-1612GP</b>	<b>SH-1129B</b>	<b>PB-1155J</b>
	D <b>UM6BB1</b>	9/73-5/76	6	5.393	9-11510-606 (M1-1129 X7)	9-11585-601	9-12271-608 5-12271-010 5-12271-002 (C1-1129GP X3)	(NO.1)9-11691-048 (NO2~5)9-11693-035	5-12251-006 1-12251-027 9-12251-602
34	D <b>6BB1</b>	6/76-4/80	6	5.393	<b>MS-1611GP</b>	<b>TW-1155GP</b>	<b>CB-1612GP</b>	<b>SH-1129B</b>	<b>PB-1155J</b>
	D <b>UM6BB1</b>	4/76-4/80	6	5.393	5-11510-048	1-11680-001	9-12271-608	(NO.1)9-11691-048	5-12251-006
	D <b>6BD1</b>	7/75-4/80	6	5.785	5-11510-046	1-11685-001	5-12271-010	(NO2~5)9-11693-035	1-12251-027
	D <b>6BD1-T</b>	1978-	6	5.785	5-11510-013	5-11685-001	9-12271-178		9-12251-602
	D <b>UM6BD1</b>	1978-4/80	6	5.785			(C1-1129GP X3)		
	D <b>6BF1</b>	10/79-4/80	6	6.130					
	D <b>6BF1-T</b>	10/79-4/80	6	6.130					
35	D <b>6BD1-T</b>	10/79-4/80	6	5.785		<b>TW-1155GP</b>	<b>CB-1612GP</b>	<b>SH-1129B</b>	<b>PB-1155J</b>
	D <b>6BF1-T</b>	10/79-4/80	6		1-11510-036 1-11510-032	1-11680-001 1-11685-001 5-11685-001	9-12271-608 5-12271-010 9-12271-178 (C1-1129GP X3)	(NO.1)9-11691-048 (NO2~5)9-11693-035	5-12251-006 1-12251-027 9-12251-602
36	D <b>6BB1</b>	5/1980-	6	5.393	<b>MS-1612GP</b>	<b>TW-1155GP</b>	<b>CB-1612GP</b>	<b>SH-1129B</b>	<b>PB-1155J</b>
	D <b>UM6BB1</b>	5/80-89	6	5.393	1-11510-074	1-11680-001	9-12271-608	(NO.1)9-11691-048	5-12251-006
	D <b>6BD1</b>	5/1980-	6	5.785	1-11510-040	1-11685-001	5-12271-010	(NO2~5)9-11693-035	1-12251-027
	D <b>UM6BD1</b>	5/1980-	6	5.785	1-11510-084	5-11685-001	9-12271-178		9-12251-602
	D <b>6BF1</b>	5/80-88	6	6.130			(C1-1129GP X3)		
	D <b>6BF1-T</b>	5/80-88	6	6.130					
	D <b>6BG1</b>	1/1984-	6	6.494					
	D <b>6BG1-T</b>	5/1984-	6	6.494					
D <b>UM6BG1</b>	5/1985-	6	6.494						
37	D <b>6HE1</b>		6	7.127	<b>MS-1632GP</b>	<b>TW-1631A</b>	<b>CB-1632GP</b>	<b>SH-1632A</b>	<b>PB-1632A</b>
	D <b>6HH1</b>		6	8.226	8-94393-327	8-94396-980 (F)8-94399-277 (R)8-94399-283	8-97045-800/1 8-94393-328	8-94363-380-0	1-12251-036
38	D <b>6HE1-T</b>		6	7.127	<b>MS-1632GP</b> 8-94393-327	<b>TW-1631A</b> 8-94396-980 (F)8-94399-277 (R)8-94399-283	<b>CB-1639GP</b> 8-97131-186 8-94395-515	8-94390-311	8-94394-613

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
39	D <b>6QA1</b>	2/80-4/86	6	11.044	<b>MS-1609GP</b>	<b>TW-1071GP</b>	<b>CB-1609GP</b>		<b>PB-1092J</b>
	D <b>6QA2</b>	2/80-4/86	6	11.044	1-11510-037 1-11510-034 1-11510-055	9-11515-198	1-12271-026 1-12271-024		9-12251-073 9-12251-074
40	D <b>6QA1</b>	4/1986-	6	11.044	<b>MS-1636GP</b>	<b>TW-1636K</b>	<b>CB-1636GP</b>		<b>PB-1092J</b>
	<b>UM6QA1</b>	4/86-10/89	6	11.044	1-11510-066	1-11510-038	1-12271-047		9-12251-073
	<b>6QA2</b>	4/86-91	H6	11.044					9-12251-074
	<b>6QB2</b>	4/1990-	H6	11.781					
41	D <b>6RA1</b>	8/81-6/85	6	12.023	<b>MS-1613GP</b>	<b>TW-1613K</b>	<b>CB-1154GP</b>		<b>PB-1154J</b>
	D <b>6RA1-T</b>	8/81-6/85	6	12.023	1-11510-039 1-11510-073	9-11515-216 1-11515-040	1-12271-029		9-12251-088
42	D <b>6RA1</b>	1985-	6	12.023	<b>MS-1613GP</b>	<b>TW-1613K</b>	<b>CB-1614GP</b>		<b>PB-1154J</b>
	D <b>6RA1-T</b>	1985-	6	12.023	1-11510-039 1-11510-073	1-11515-040	1-12271-055		9-12251-088
43	D <b>6RB1</b>	8/1981-	6	13.741	<b>MS-1613GP</b>	<b>TW-1613K</b>	<b>CB-1613GP</b>		<b>PB-1613J</b>
	D <b>UM6RB1</b>	10/1984-	6	13.741	1-11510-073	1-11511-040	1-12271-028		1-12251-025
	D <b>6RB1-T</b>	10/1984-	6	13.741	1-11510-039		1-12271-048		
	D <b>6RB2</b>	11/1981-	H6	13.741	1-11510-060				
44	D <b>6SA1</b>	83-2/92	6	8.413	<b>MS-1618GP</b>	<b>TW-1618K</b>	<b>CB-1618GP</b>		<b>P1-1156J</b>
	D <b>UM6SA1</b>	1983-2/92	6	8.413	1-11510-067	1-11599-005 1-11599-007	1-12271-050 1-12261-050		1-12251-016 (2Pcs/Box X3)
45	D <b>6SA1</b>	10/1981-	6	8.413	<b>MS-1634GP</b>	<b>TW-1634K</b>	<b>CB-1634GP</b>		<b>P1-1156J</b>
					1-11510-047	1-11515-019	1-12271-020		1-12251-016 (2Pcs/Box X3)
46	D <b>6SD1</b>	5/1985-	6	9.839	<b>MS-1618GP</b>	<b>TW-1618K</b>	<b>CB-1635GP</b>		<b>PB-1635J</b>
	D <b>6SD1-T</b>		6	9.839	1-11510-067	1-11599-007	1-12271-060		1-12251-021
	D <b>UM6SD1</b>	9/1986-	6	9.839	1-11510-087	1-11599-005	1-12271-084		

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
47	G <b>6VD1</b>	1992-97	V6	3.165	<b>MS-1607A</b> 8-97072-982 8-97072-980 8-97179-296 8-97179-297 8-97179-298 8-97179-299 8-97179-300 8-97179-301 8-97179-302	<b>TW-1607A</b> 8-97014-208	<b>CB-1607A</b> 8-97072-986 8-97179-293 8-97179-294 8-97179-295		
	48	D <b>6WA1-T</b>		6	12.068	<b>MS-1638GP</b>	<b>TW-1638K</b>	<b>CB-1638GP</b>	
		D <b>6WG1-T</b>		6	15.681	1-11510-093 1-11518-059	1-11510-093 1-11599-009 1-11511-044	1-12271-072	1-12251-037
	49	D <b>8PA1</b>	1973-89	V8	9.971	<b>M1-1156GP</b>	<b>TW-1156K</b>	<b>C1-1156GP</b>	
		D <b>UM8PA1</b>	1978-81	V8	9.971	1-11510-003	1-11515-004	1-12271-008	
		D <b>8PB1</b>	4/78-8/83	V8	11.217	1-11510-009		1-12271-007	
		D <b>UM8PB1</b>	8/81-1/91	V8	11.217	1-11510-008		1-12271-030	1-12251-001
		D <b>8PB1-T</b>	8/81-1/91	V8	11.217	1-11510-051		(1Pr/Box)	(2PCS/Box)
		D <b>8PC1</b>	3/83-10/89	V8	12.011	1-11510-045		8PA/B/C X 8 boxes	8PA/B/C X 4
		D <b>8PC1-T</b>	7/83-8/89	V8	12.011	1-11510-052		10PA/B/C X 10	10PA/B/C X 5
D <b>10PA1</b>		3/70-5/84	V10	12.464	1-11510-044		12PA/B/C X 12	12PA/B/C X 6	
D <b>10PB1</b>		10/1977-	V10	14.022	1-11510-046				
D <b>UM10PB1</b>		10/79-1/91	V10	14.022	1-11530-053			<b>P1-1156J</b>	
D <b>10PB1-T</b>		10/82-1/91	V10	14.022	(1Pr/Box)			1-12251-011	
D <b>10PC1</b>		4/83-8/89	V10	15.014	8PA/B/C X 5 boxes			(2PCS/Box)	
D <b>12PA1</b>		2/76-8/83	V12	14.958	10PA/B/C X 6			8PA/B/C X 4 boxes	
D <b>12PB1</b>		12/1979-	V12	16.826	12PA/B/C X 7			10PA/B/C X 5	
D <b>UM12PB1</b>	12/79-1/91	V12	16.826				12PA/B/C X 6		
D <b>12PB1-T</b>	8/81-1/91	V12	16.826						
D <b>12PC1</b>	7/83-8/89	V12	18.017						
50	D <b>8PD1</b>	9/1989-	V8	13.741	<b>M1-1630GP</b>	<b>TW-1630K</b>	<b>C1-1630GP</b>		
	D <b>10PD1</b>	7/1989-	V10	16.683	1-11510-078	1-11515-041	1-12271-043	<b>P1-1630J</b>	
	D <b>12PD1</b>	8/1989-	V12	20.019	1-11510-077	1-11510-098	1-12271-076	1-12251-033	
	D <b>UM12PD1</b>	1992-	V12	20.019	1-11510-068 1-11510-098 8PD X 5 boxes 10PD X 6 12PD X 7		8PD X 8 boxes 10PD X 10 12PD X 12	(2PCS/BOX) 8PD X 4 boxes 10PD X 5 12PD X 6	

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
51	D <b>8PE1</b>		V8	15.201	<b>M1-1630GP</b> 1-11510-098	<b>TW-1630K</b> 1-11510-098	<b>C1-1630GP</b> 1-12271-076		
	D <b>10PE1</b>		V10	19.001					
	D <b>12PE1</b>		V12	22.801					
52	D <b>2AA1</b>	1972-89	2	975	<b>MS-1157GP</b> 5-11510-011	<b>TW-1070GP</b> 9-11581-057	<b>CB-1157GP</b> 5-12271-005		
	D <b>2AB1</b>	1970-89	2	1.184					
	D <b>UM2AB1</b>	1971-91	2	1.184					
53	D <b>3AA1</b>	1972-90	3	1.463	<b>MS-1601GP</b> 5-11510-010	<b>TW-1070GP</b> 9-11581-057	<b>CB-1601GP</b> 5-12271-005	<b>SH-1605B</b> 5-11610-002 9-11610-602	9-12251-062
	D <b>3AB1</b>	1971-	3	1.777					
	D <b>UM3AB1</b>	1971-	3	1.777					
	D <b>3AD1</b>	1977-90	3	1.498					
	D <b>3AD1-T</b>	1978-79	3	1.498					
54	D <b>3AE1</b>	1977-88	3	1.296	<b>MS-1602GP</b> 5-11510-033	<b>TW-1070GP</b> 9-11581-057	<b>CB-1602A</b> 8-94110-930 5-12271-032		5-12251-007
	D <b>3AF1</b>	1977-6/87	3	1.170					
55	D <b>C22NE</b>		4	2.198	<b>MS-1641GP</b> 8-92061197-0		<b>CB-1641GP</b> 8-92028817-0		
	D <b>22LE</b>		4	2.198					

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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
1	G <b>B1</b>	10/85-3/89	4	1.138	<b>MS-2008A</b>	<b>TW-2008A</b>	<b>CB-1168A</b>		
	G <b>B3</b>	12/86-3/89	4	1.323	B6Y0-11-SG0	B6Y1-11-SJ0	B3Y0-11-SE0		
	G <b>B5</b> Familia Demio	12/86-3/89	4	1.498		B6Y0-11-SJ0			
2	G <b>B1</b>	3/1989-	4	1.138	<b>MS-2012A</b>	<b>TW-2008A</b>	<b>CB-1168A</b>		
	G <b>B3</b>	3/1989-	4	1.323	B6Y2-11-SG0	B6Y1-11-SJ0	B3Y0-11-SE0		
	G <b>B5</b>	3/1989-	4	1.498	B6Y1-11-SG0	B6Y0-11-SJ0	B3Y0-11-SF0		
	G <b>Z5</b>		4	1.489	B6Y1-11-SH0		B3Y0-11-SFX		
	G <b>ZL</b>		4	1.498	B6Y1-11-SHX		B3Y0-11-SFY		
3	G <b>B6</b> Familia Roadstar	9/85-10/86	4	1.597	<b>MS-2008A</b> B6Y0-11-SG0	<b>TW-2008A</b> B6Y1-11-SJ0 B6Y0-11-SJ0	<b>CB-2008A</b> B6Y0-11-SE0		B660-11-213 DOHC
	G <b>B6</b> Etude Familia	10/1986- 10/1986-	4 4	1.597 1.290	<b>MS-2012A</b> B6Y2-11-SG0 B6Y1-11-SG0 B6Y1-11-SH0 B6Y1-11-SHX	<b>TW-2008A</b> B6Y1-11-SJ0 B6Y0-11-SJ0	<b>CB-2008A</b> B6Y1-11-SE0 B6Y0-11-SE0 B6Y0-11-SF0 B6Y0-11-SFX		B660-11-213 DOHC
4	G <b>B6</b>	10/1986-	4	1.597	<b>MS-2012A</b>	<b>TW-2008A</b>	<b>CB-2008A</b>		
	G <b>BJ</b>	10/1986-	4	1.290	B6Y2-11-SG0 B6Y1-11-SG0 B6Y1-11-SH0 B6Y1-11-SHX	B6Y1-11-SJ0 B6Y0-11-SJ0	B6Y1-11-SE0 B6Y0-11-SE0 B6Y0-11-SF0 B6Y0-11-SFX		B660-11-213 DOHC
5	G <b>BP</b> Roadstar	6/1989-	4	1.839	<b>MS-2012A</b> B6Y2-11-SG0 B6Y1-11-SG0 B6Y1-11-SH0 B6Y1-11-SHX	<b>TW-2008A</b> B6Y1-11-SJ0 B6Y0-11-SJ0	<b>CB-2008A</b> B6Y1-11-SE0 B6Y2-11-SE0 B6Y0-11-SF0 B6Y0-11-SFX		B660-11-213 DOHC
	G <b>BP</b>	6/1989-	4	1.839	<b>MS-2012A</b>	<b>TW-2008A</b>	<b>CB-2008A</b>		
6	G <b>D5</b>	10/1985-	4	1.490	<b>MS-1168A</b>	<b>TW-1168A</b>	<b>CB-1168A</b>		
	G <b>E1</b>	5/80-11/86	4	1.071	E5B6-23-151	8034-11-380	B3Y0-11-SE0		
	G <b>E3</b>	5/1980-	4	1.296	E301-23-151		E5B6-23-105		
	G <b>E5</b>	5/1980-	4	1.490	8034-23-151		8034-23-105		
	G <b>TC</b>	1/77-12/85	4	1.272	B6Y0-11-SG0		8936-23-105		
	G <b>UC</b> Familia	12/76-7/90	4	1.415	8034-23-151 B6Y0-11-SG0		E580-23-105		

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
7	G <b>F6</b>	9/82-3/87	4	1.587	<b>MS-2004A</b>		<b>CB-2004A</b>		
	G <b>F8</b>	10/82-3/87	4	1.789	FE30-23-151		F801-23-105A		
	G <b>FE</b> Bongo Capella	9/82-3/87	4	1.998	F801-23-251		F801-23-105B F801-23-105C		
8	G <b>F2</b>	5/1988-	4	2.184	<b>MS-2009A</b>		<b>CB-2004A</b>		
	G <b>F6</b>	4/1987-	4	1.587	FE1H-11-SG0		F801-23-105A		
	G <b>F8</b>	4/1987	4	1.789			F801-23-105B		
	G <b>FE</b> Capella	4/1987	4	1.998			F801-23-105C		
9	G <b>F8</b>	2/1990-	4	1.789	<b>MS-2009A</b>		<b>CB-2009A</b>		
	G <b>FE</b> Capella	4/1987-	4	1.998	FE1H-11-SG0		FEYA-11-SE0		
10	G <b>FP</b>		4	1.839	<b>MS-2018A</b>	<b>TW-2018A</b>	<b>CB-2018A</b>		
	G <b>FS</b> Capella MPV		4	1.991	FSY1-11-SG0A FSY1-11-SH0	FSY1-11-SJ0 FSY1-11-SK0 FSY1-11-SKX	FSY1-11-SE0 FSY1-11-SF0 FSY1-11-SFX FSY2-11-SE0 FSY2-11-SF0 FSY2-11-SFX		
11	G <b>G6</b> PROCEED		4	2,605	<b>MS-2011A</b> G601-11-SG0		<b>CB-2009A</b> FEYA-11-SE0		<b>BB-2011A</b> G601-10-701 G601-10-721/31
12	D <b>HA</b> Titan	5/77-9/80	4	2.977	<b>MS-1153GP</b> SL01-23-110 SE01-23-110 1363-23-110	<b>TW-1153K</b> SL01-23-115	<b>CB-1153GP</b> SE45-11-SE0 1363-23-105		<b>PB-1075J</b> 0636-11-213
13	D <b>HA</b> Titan	10/80-3/89	4	2.977	<b>MS-1153GP</b> SE01-23-110	<b>TW-1153K</b> SL01-23-115	<b>CB-1153GP</b> SE45-11-SE0		<b>PB-2005J</b> SE01-11-213

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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
14	G <b>JE</b> Luce Sentia	7/1987-	V6	2.954	<b>MS-2010GP</b> JFY1-11-SG0/A JEY0-11-SG0 JEY8-11-SG0	<b>TW-2010GP</b> JFY1-11-SJ0	<b>CB-2010A</b> JEY0-11-SE0		
15	G <b>JF</b> MPV	7/86-9/91	V6	1.997	<b>MS-2010GP</b> JFY1-11-SG0/A JEY8-11-SG0	<b>TW-2010GP</b> JFY1-11-SJ0	<b>CB-2001A</b> JFY1-11-SE0		
16	G <b>KF</b> G <b>K8</b>	1992- 1992-	6 6	1,995 1,844	<b>MS-2017GP</b> KLY1-11-SG0B	<b>TW-2010GP</b> JFY1-11-SJ0	<b>CB-2017GP</b> K8Y1-11-SE0A		
17	G <b>KJ</b> G <b>KL</b> Millenia Capella Wagon		V6 V6	2.254 2.496	<b>MS-2017GP</b> KJY1-11-SG0A/B KJY1-11-SH0A/B	<b>TW-2010GP</b> JFY1-11-SJ0	<b>CB-2017GP</b> KJY1-11-SE0 KJY1-11-SF0 KLY1-11-SE0 KL02-11-225		
18	G <b>MA</b> G <b>VB</b> Luce Capella PICK UP	3/77-4/89 10/68-10/77	4 4	1.970 1.796	<b>MS-1114A</b> 0305-23-151A 0305-23-151B 0305-23-151C	<b>TW-1061GP</b> 0305-23-201A 0305-23-201B	<b>CB-1086A</b> 3975-23-105 0290-23-105	<b>SH-1061B</b> 0305-23-250 0221-23-150	<b>PB-1114J</b> 0107-11-212
19	G <b>NA</b> Familia Bongo	5/70-11/83	4	1.586	<b>MS-1114A</b> 0305-23-151A 0305-23-151B 0305-23-151C	<b>TW-1061GP</b> 0305-23-201A 0305-23-201B	<b>CB-1141A</b> GE01-23-105 0552-23-105 0222-23-105	<b>SH-1061B</b> 0305-23-250 0221-23-150	<b>PB-1114J</b> 0107-11-212

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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
20	G <b>PB</b> Familia Bongo	12/68-6/69	4	987	<b>MS-1082GP</b> 0249-23-110	0259-23-115	<b>CB-1082A</b> 0249-23-105		<b>PB-1082J</b> 0249-11-213
21	G <b>PB</b>	1967-7/90	4	987	<b>MS-1082GP</b>	<b>TW-1082B</b>	<b>CB-1082A</b>		<b>PB-1082J</b>
	G <b>TA</b>	3/1970-73	4	1.169	0249-23-110	0249-23-115	0249-23-105		0249-11-213
	G <b>TB</b> Familia Bongo	12/68-7/90	4	1.169	0268-23-110				
22	G <b>PC</b>	1/70-2/78	4	985	<b>MS-1113GP</b>	<b>TW-1113K</b>	<b>CB-1082A</b>		<b>PB-1082J</b>
	G <b>TC</b> Familia	3/70-2/78	4	1.272	0324-23-151A	0324-11-380	0249-23-105		0249-11-213
23	D <b>PN</b>	6/1985-	4	1.720	<b>MS-2013A</b> PN11-11-SG0	<b>TW-2013A</b> PN11-11-SJ0	<b>CB-2013A</b> PN11-11-SE0		<b>PB-2013J</b> PN11-11-213
24	D <b>RF</b>	5/1983-	4	1.998	<b>MS-2007A</b>	<b>TW-2007A</b>	<b>CB-2004A</b>		<b>PB-2007J</b>
	D <b>R2</b> Bongo Capella	5/1983-	4	2.184	RFY0-11-SG0 RF01-23-135A	RF01-23-115	RF01-23-105		RF01-11-213
25	D <b>RF</b>	6/1986-	4	1.998	<b>MS-2007A</b>	<b>TW-2007A</b>	<b>CB-2007A</b>		<b>PB-2004J</b>
	D <b>RF-T</b> Bongo Capella	12/1988-	4	1.998	RFY0-11-SG0 RF01-23-135A	RF01-23-115	RFY0-11-SE0 RFY2-11-SE0		RF71-11-213
26	D <b>SL</b>	2/84-3/89	4	3.455	<b>MS-1153GP</b>	<b>TW-1153K</b>	<b>CB-1153GP</b>		<b>PB-2006J</b>
	D <b>SL-T</b> Titan	2/84-3/89	4	3.455	SL01-23-110	SL01-23-115	SL01-23-105A		SL01-11-213
27	D <b>S2</b> Bongo Cosmo	9/79-4/90	4	2.209	<b>MS-1181GP</b> 1456-23-110	<b>TW-1181A</b> 1456-23-115	<b>CB-1181GP</b> 1456-23-105A		<b>PB-1181J</b> S213-11-213 0911-11-213

**MAZDA**

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
28	D <b>TF</b>	4/1989-	4	4.021	<b>MS-2014A</b>	<b>TW-2014A</b>	<b>CB-2014A</b>		<b>PB-2014J</b>
	D <b>TM</b>	12/1991-	4	4.553	TF01-11-SG0	TF01-11-SJ0	TF01-11-SE0A TFY1-11-SE0		TF01-11-213
29	G <b>UB</b>	5/70-7/73	4	1.490	<b>MS-1114A</b>	<b>TW-1061GP</b>	<b>CB-1141A</b>	<b>SH-1061B</b>	<b>PB-1114J</b>
	G <b>VC</b> Luce Bongo Cosmo	4/73-8/86	4	1.769	0305-23-151A 0305-23-151B	0305-23-201A 0305-23-201B	0222-23-105A 0222-23-105B GE01-23-105 0552-23-105	0211-23-150 0305-23-250	0107-11-212
30	G <b>VA</b> Titan	6/71-12/88	4	1.985	<b>MS-1141A</b> 0552-23-140		<b>CB-1141A</b> GE01-23-105 0552-23-105 0222-23-105	<b>SH-1141B</b> 0552-23-710A	<b>PB-1114J</b> 0107-11-212
31	D <b>WL</b>		4	2.499	<b>MS-2016A</b>	<b>TW-2016A</b>	<b>CB-2016A</b>		<b>PB-2016J</b>
	D <b>WL-T</b> Bongo				WLY1-11-SG0 WLY1-11-SH0 WLY1-11-SHX WLY1-11-SHY	WLY1-11-SJ0	WLY1-11-SE0 WLY1-11-SF0 WLY1-11-SFX WLY1-11-SFY		WL01-11-213
32	D <b>XA</b>	1967-9/80	4	2.522	<b>MS-2000GP</b>	<b>TW-1075J</b>	<b>CB-1075GP</b>		<b>PB-1075J</b>
	D <b>XB</b> Boxer	1971-8/77	4	2.701	S501-23-110 0527-23-110 S527-23-110 0636-23-110 S636-23-110	0636-23-115	0527-23-105 0636-23-105 (plain) <b>CB-2015GP</b> (one oil hole)		0636-11-213
33	D <b>XA</b> Boxer	9/80-4/89	4	2.522	<b>MS-2000GP</b> S501-23-110 0527-23-110 S527-23-110	<b>TW-1075J</b> 0636-23-115	<b>CB-1075GP</b> 0527-23-105		<b>PB-2000J</b> S501-11-213

# MAZDA

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
34	D <b>YA</b>	1969-75	6	3.783	<b>MS-2002GP</b>	<b>TW-1075J</b>	<b>CB-1097GP</b>		<b>PB-1097J</b>
	D <b>ZB</b> Titan Boxer	1972-80	6	4.052	V101-23-110A 4867-23-110 0727-23-110 0784-23-110	0636-23-115	0784-23-105 4867-23-105 0727-23-105 0527-23-105 0636-23-105		0636-11-213
35	D <b>ZB</b> Titan	10/80-5/87	6	4.052	<b>MS-2202GP</b> V101-23-110A 4867-23-110	<b>TW-1075J</b> 0636-23-115	<b>CB-2002GP</b> V101-23-105		<b>PB-1097J</b> 0636-11-213
36	G <b>ZY</b> Axela		4	1.498	<b>MS-2019A</b> ZJY1-11-SGO	<b>TW-2019A</b> ZJY1-11-SJO	<b>CB-2019A</b> ZJY1-11-SEO		

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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
1	G <b>G11B</b>	7/77-2/85	4	1.244	<b>MS-1818A</b> MD147999 MD030126 MD030573		<b>CB-1169A</b> MD030516 <b>CB-1825A</b> MD143090		
	G <b>4G11</b>	4/78-12/81	4	1.244					
	G <b>G12B</b>	2/78-5/88	4	1.410					
	G <b>4G12</b>	3/76-12/81	4	1.410					
	G <b>G13B</b>	10/83-91	4	1.298					
	G <b>4G13</b>	5/86-	4	1.298					
	G <b>G15B</b>	10/83-92	4	1.468					
	G <b>4G15</b>	10/86-	4	1.468					
	Lancer Mirage								
2	G <b>2G23</b>	3/77-8/82	2	546	<b>MS-1800A</b> MD019871 MD019526		<b>CB-1800A</b> MD019635 ND079650		
	G <b>2G24</b>	8/82-12/83	2	644					
	G <b>G23B</b>	7/83-11/83	2	546					
	Minica								
3	G <b>2G25</b>	1/84-11/88	2	783	<b>MS-1820A</b> MD079646		<b>CB-1800A</b> MD079650 MD019635		
	G <b>G23B</b>	12/83-5/87	2	546					
	Minica								
4	G <b>G11B</b>	77-85	4	1.244	<b>MS-1169A</b> MD147999 MD030126 MD030573		<b>CB-1169A</b> MD030516		
	G <b>G12B</b>	78-88	4	1.411					
	G <b>G13B</b>	83-88	4	1.298					
	G <b>G15B</b>	83-88	4	1.468					
	G <b>4G11</b>	78-81	4	1.244					
	G <b>4G12</b>	76-81	4	1.411					
	G <b>4G13</b>	86-88	4	1.298					
	G <b>4G15</b>	87-88	4	1.468					
	Lancer Mirage								
5	G <b>G13B</b>	88-91	4	1.298	<b>MS-1818A</b> MD147999 MD030126 MD030573		<b>CB-1825A</b> MD143090		
	G <b>G15B</b>	88-92	4	1.439					
	G <b>4G13</b>	1988-on	4	1.298					
	G <b>4G15</b>	1988-on	4	1.439					
	Lancer Mirage								
6	G <b>4G30</b>	11/69-73	4	1.289	<b>MS-1164A</b>		<b>CB-1085A</b> MD071298 MD040704 MD002843 MD002813		<b>BB-1085A</b> (F)MD008888 (R.L)MD008889 (R.H)MD008889 for 4G32, G32B
	G <b>G31B</b>	4/86-6/88	4	1.499					
	G <b>4G31</b>	11/69-74	4	1.499	<b>MS-1821A</b> MD091399 MD071273 MD040682 MD002343				<b>BB-1164A</b> MD040598 MD040597  <b>BB-1811A</b> MD040598 MD040597 MD103722
	G <b>G32B</b>	6/77-	4	1.597					
	G <b>4G32</b>	10/70-	4	1.597					
	G <b>G33B</b>	7/77-	4	1.439					
	G <b>4G33</b>	8/71-	4	1.439					
	G <b>4G35</b>	2/72-5/77	4	1.686					
	G <b>4G36</b>	11/75-2/79	4	1.238					
	G <b>G37B</b>	8/83-	4	1.755					
	G <b>4G37</b>	6/86-	4	1.755					
	G <b>G62B</b>	5/79-8/89	4	1.795					
	G <b>4G62</b>	78-2/88	4	1.795					
	G <b>G63B</b>	2/80-7/90	4	1.997					
	G <b>4G63</b>	4/80-5/92	4	1.997					
	G <b>G64B</b>	10/86-8/89	4	2.350					
G <b>4G64</b>	10/86-	4	2.350						
	Lancer Galant Mirage Delica								



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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
12	D <b>4D65</b>	3/83-9/91	4	1.795	<b>MS-1821A</b>		<b>CB-1085A</b>		
	D <b>4D65-T</b> Galant Mirage	3/83-9/91	4	1.795	MD091399 MD071273 MD040682 MD002273 MD002343 MD006904		MD071298 MD040704 MD002813 MD002843		MD060467
13	D <b>4D68</b>	1983~91	4	1.998	<b>MS-1844GP</b> MD195926 MD195934 MD338888 MD343336 MD338888 MD343336		<b>CB-1844GP</b> MD32315 MD338480		
14	G <b>3G81</b>	1/87-91	3	548	<b>MS-1824A</b>	<b>TW-1824A</b>	<b>CB-1824A</b>		
	G <b>3G82</b>	1/87-11/88	3	796	MD114812	MD115171	MD114816		
	G <b>3G83</b> Minica	1/90-	3	657					(F)MD141777 (R)MD141778
15	G <b>4G81</b>	1987-91	4	548					
	G <b>4G82</b>	1987-88	4	796	MD114812	MD115171	MD114816		
	G <b>4G83</b>	1990-	4	657					
16	G <b>4G41</b>	10/71-5/79	4	1.378	<b>MS-1024GP</b>	<b>TW-1024B</b>	<b>CB-1025GP</b>	<b>SH-1024B</b>	<b>PB-1024J</b>
	G <b>4G42</b>	10/71-4/79	4	1.187	MD010780	MD010350	MD010859	MD010340	MD010707
	G <b>KE43</b>	1963-69	4	977		MD010351			
	G <b>KE44</b>	1966-72	4	1.088		MD010360			
	G <b>KE46</b> Lancer Delica	1968-70	4	1.189		MD010351 MD010360			
17	D <b>4M40</b>	1982-	4	2.835	<b>MS-1832GP</b>	<b>TW-1832A</b>	<b>CB-1832GP</b>		<b>PB-1832J</b>
	D <b>4M41</b> Delica Pajero		4		ME996520 ME997880 ME200022 ME200665 ME201565 ME201562	ME200280 ME200281	ME996534 ME997887 ME200043 ME200046 for 4M40	ME201016  ME203868 FOR 4M41	

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
18	G <b>6G71</b> Diamante Galant Debonair	7/86-	V6	1.998	<b>MS-1822A</b> MD124496 MD105269 MD197608	<b>TW-1822GP</b> MD128659 MD116890	<b>CB-1823A</b> MD124592 MD116868		
19	G <b>6G72</b> Diamante Galant Debonair	7/86-7/92	V6	2.972	<b>MS-1822A</b> MD124496 MD105269	<b>TW-1822GP</b> MD128659 MD116890	<b>CB-1822A</b> MD105277		
20	G <b>6G74</b> Pajero Debonair		V6	3.496	<b>MS-1842A</b> MD197907 MD197908 MD197909 MD197910 MD197911	<b>TW-1842A</b> MD197988	<b>CB-1842A</b> MD311928 MD311929 MD311930 MD311931 MD311932		
21	G <b>4G91 (DOHC)</b> G <b>4G93</b> Mirage Galant	8/91- 5/91-	4 4	1.496 1.834	<b>MS-1828A</b> MD174857 MD174858 MD174859 MD174860 MD174861	<b>TW-1828A</b> MD174862	<b>CB-1828A</b> MD174884 MD174885 MD174886		
22	G <b>4G92</b> G <b>4G93</b> G <b>4G93-T (DOHC)</b> Mirage Libero RVR X	8/91- 8/91- 8/91-	4 4 4	1.755 1.834 1.834	<b>MS-1828A</b> MD174857 MD174858 MD174859 MD174860 MD174861 MD174860 MD174861	<b>TW-1828A</b> MD174862	<b>CB-1829GP</b> MD177046 MD194201		
23	G <b>4G92 (MIVEC)</b> Mirage	8/91-	4	1.755	<b>MS-1829GP</b> MD194178	<b>TW-1828A</b> MD174862	<b>CB-1829GP</b> MD177046 MD194201		

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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
1	D <b>S2E</b>	1977-91	2	1.310	<b>M1-1826GP</b> 34409-00100 (1PAIR/BOX) S2E X3 S3E X4 S4E X5 S6E X7	<b>TW-1826J</b> 34409-08100	<b>C1-1826GP</b> 34419-02100 (1PAIR/BOX) S2E X2 S3E X3 S4E X4 S6E X6		
	D <b>S3E</b>	1978-91	3	1.960					
	D <b>S4E</b>	1976-	4	2.610					
	D <b>S6E</b>	1980-	6	3.910					
2	D <b>S4K</b>		4	4.250	<b>M1-1833GP</b> 34309-09050 (1PAIR/BOX) S4K X5 S6K X7	<b>TW-1833A</b> 34309-00800	<b>C1-1833GP</b> 34219-00500 (1PAIR/BOX) S4K X4 S6K X6	<b>SH-1833B</b> 34307-12700 34307-02801 34307-00600 FOR S6KT 4PCS/SET	<b>P1-1833J</b> 34319-10500 (2PCS/BOX) S4K X2 S6K X3
	D <b>S6K</b>		6	6.380					
	<b>S4K-T</b>		4	4.250					
	<b>S6K-T</b>		6	6.380					
3	D <b>S4S</b>		4	4.250	<b>M1-1843A</b> 32A09-00010 FOR S4S 32B09-00010 FOR S6S (1PAIR/BOX) S4S X5 S6S X7	<b>TW-1843A</b> 32B09-08101	<b>C1-1843A</b> 32A19-09010 FOR S4S 32B09-09010 FOR S6S (1PAIR/BOX) S4S X4 S6S X6		
	D <b>S6S</b>		6	6.380					

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
4	D <b>4D30</b>	1982-ON	4	3.298	<b>MS-1807GP</b>	<b>TW-1055K</b>	<b>CB-1807GP</b>	<b>SH-1160B</b>	<b>PB-1807J</b>
	D <b>4D31</b>	1982-91	4	3.298	ME011530	ME013564	ME012227	ME029225(NO.1)	ME012257
	D <b>4D31-T</b>	1982-89	4	3.298	ME999089	ME020328	ME999250	ME029027(NO.2)	ME012203
	D <b>4D32</b>	1989-	4	3.567	ME999384	(82-89)	ME999654	ME029028/432(NO.3)	ME012249
	D <b>4D33</b>	1989-	4	4.214			ME012205	(4D30 78-82)	
	D <b>4D34</b>	8/91-ON	4	3.907		<b>TW-1807K</b>	ME999106		<b>PB-1809J</b>
	D <b>4D34-T</b>	1989-	4	3.907		ME013644	ME012210	<b>SH-1807B</b>	ME012234
	D <b>4D35</b>		4	4.561		ME013560	(4D30 4D31/T 4D32 4D33)	ME029225(NO.1)	<b>PB-1830J</b>
D <b>4D36</b>		4	3.567		(89-ON)	82-ON	ME011593(NO.2)	ME013075	
								ME011594(NO.3)	(4D34 4D34T
								(4D30/1/T/2/3	4D33/35/36)
								82-ON)	91-ON
								<b>CB-1830GP</b>	
								ME997261	
								(4D34 1991)	
								<b>SH-1830B</b>	
								ME013116(NO.1)	
								ME011593(NO.2)	
								ME011594(NO.3)	
								(4D34 1991)	
								(4D34-T 91-ON)	
								<b>CB-1836GP</b>	
								ME995148~52	
								(4D33 4D35 4D36)	
								<b>CB-1835GP</b>	
								ME995153~7	
								(4D34 91-ON)	
								<b>SH-1835B</b>	
								ME013116(NO.1)	
								ME017268(NO.2)	
								ME011593(NO.3)	
								ME017144(NO.4)	
								ME011594(NO.5)	
								(4D34 91-ON)	
5	D <b>4DR5</b>	1970-91	4	2.659	<b>MS-1812GP</b>	<b>TW-1115K</b>	<b>CB-1831GP</b>	<b>SH-1078B</b>	<b>PB-1078J</b>
	D <b>4DR6-T</b>	1986-	4	2.659	ME997202	31309-08101	ME002019	(F)31707-20700	31619-00700
	D <b>4DR7</b>	1989-	4	2.835	ME999080	31309-08100	ME002001	(C)31707-13201	31619-00792
	D <b>4DR50</b>	1970-80	4	2.659	ME001041		31619-02100	(R)31707-13301	
	D <b>4DR51</b>	1978-89	4	2.659	30319-10010		ME999764		
	D <b>4DR52</b>	1989-91	4	2.659	(M1-1115GP X5)		(C1-1115GP X2)		
								ME002153	
								FOR 4DR6-T	
								(F)31607-03600	
								(F)31607-13101	
								(C)31707-13201	ME002187
								(R)31707-13301	(10/1989)

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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing		
6	D	<b>4M50-T</b>	4	4.899	<b>MS-1836GP</b> ME995143~7	<b>TW-1836J</b> ME244094 ME242095	<b>CB-1835GP</b> ME995153~7	ME240854	<b>PB-1830J</b> ME013075		
	D	<b>4M51</b>	4	5.249	<b>MS-1836GP</b> ME995143~7	<b>TW-1836J</b> ME242094 ME242095	<b>CB-1836GP</b> ME995148~52	ME240854	<b>PB-1807J</b> ME012257 ME012249 ME012203  <b>PB-1809J</b> ME012234  <b>PB-1830J</b> ME013075		
8	D	<b>6D10</b>	1974-79	6	5.974	<b>MS-1145GP</b>	<b>TW-1145K</b>	<b>CB-1820GP</b>	<b>SH-1145B</b>	<b>PB-1145J</b>	
	D	<b>6D11</b>	1974-79	6	6.754	ME999199	ME031059	ME032518	(NO.1)ME031042	ME033943	
	D	<b>6D14/T</b>	1974-	6	6.557	ME999296	(74-87)	ME032417	(NO.2)ME031043	ME032015	
	D	<b>6D15</b>	1979-	6	6.919	ME031634		ME999891	(NO.3)ME031044	ME032014	
	D	<b>6D16</b>	1992-	6	7.545	ME031525	<b>TW-1820K</b>	ME032332	(NO.4)ME031096		
	D	<b>6D16-T</b>	1985-	6	7.545	ME031345	ME071163	ME032016			
	D	<b>6D17</b>	1991-	6	8.201	ME031078	(87-on)	ME996243~51	<b>SH-1820B</b>	<b>PB-1820J</b>	
								ME997732	(NO.1)ME071141	ME072128	
								ME997367	(NO.2)ME071142	(6D16/T 6D17)	
		D	<b>6D16</b>		6	7.545	<b>MS-1838GP</b>	ME130226	ME997362	(NO.3)ME071143	
		D	<b>6D16-T</b>		6	7.545	ME995344~8	ME130230~2	ME999892	(NO.4)ME071144	<b>PB-1814J</b>
	D	<b>6D17</b>		6	8.201	(6D16/T 6D17 LATE)	(87-on)	ME999550	(NO.4)ME071944	ME072126	
							(6D16/T 6D17 LATE)	ME997737	(87-ON)	ME035381 ME035380	

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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing	
9	D	<b>6D20/T</b>	1975-82	6	10.308	<b>MS-1162GP</b> ME052053 30909-00010	<b>TW-1072J</b> 31109-07109	<b>CB-1803GP</b> ME052069 ME052488 30919-02101 30919-02102	<b>SH-1162B</b> (NO.1)ME051185 (NO.2)ME051186 (NO.3)ME051187 (NO.4)ME051188 (NO.5)ME051189 (NO.6)ME051190 (NO.7)ME051191	<b>PB-1162J</b> ME052159 ME052158 30319-00600 30319-00690 ME052660 ME052603
		<b>6D21</b>	1977-83	6	10.308					
		<b>6D22/T</b>	1979-	6	11.149					
		<b>6D23</b>	1983-86	6	11.149					
10	D	<b>6D24</b>		6	11.945	<b>MS-1839GP</b> ME350864~8	<b>TW-1147J</b> 31209-78101	<b>CB-1839GP</b> ME181338	<b>SH-1839K</b> (NO.1)ME051672 (NO.2)ME051673 (NO.3)ME051674 (NO.4)ME051675 (NO.5)ME051676 (NO.6)ME051677 (NO.7)ME051678	<b>PB-1839J</b> ME151450
11	D	<b>6D31</b> <b>6D31-T</b>	1985-	6	4.948	<b>MS-1808GP</b> ME999711	<b>TW-1055K</b> ME020328 10/1985-1/90 ME013564	<b>CB-1808GP</b> ME999726	<b>SH-1808B</b> (NO.1)ME029225 (NO.2)ME011593 (NO.3)ME011594 (NO.4)ME081526	<b>PB-1808J</b> ME012257
12	D	<b>6D34</b>		6	5.861	<b>MS-1808GP</b> ME999711	<b>TW-1807K</b> ME013644 ME013560	ME995170~4		<b>PB-1808J</b> ME012257
13	D	<b>6DB1</b>	1965-85	6	8.550	<b>MS-1036GP</b> 30009-39004 30009-39002	<b>TW-1036BC</b> 30009-18104 30009-18103 30009-18101	<b>CB-1037GP</b> 30019-1202 ME999056	<b>SH-1036B</b> (NO.1)30007-33100 (NO.2)30007-33200 (NO.3)30007-33300 (NO.4)30007-13403	<b>PB-1037J</b> 30019-20601
		<b>6DB10</b>	1965-85	6	8.550					

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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
14	D <b>6DC2</b> <b>6DC20</b>	1967-79	V6	9.955	<b>M1-1147GP</b> 31109-40020 31109-00000 USE 4	<b>TW-1072J</b> 31109-07109 31109-07101	<b>C1-1073GP</b> 31119-51000 31119-50000 31119-00001 USE 6	(NO.1)31207-13100 (NO.2)32107-43300 (NO.3)31207-03400 (NO.4)31207-13500	
15	D <b>6DR5</b>	1970-82	6	3.988	<b>MS-1813GP</b> ME999081 31409-10010 (M1-1115GP X7)	<b>TW-1115K</b> 31309-08101 31309-08100	<b>CB-1813GP</b> ME002001 ME002023 31619-02100 (C1-1115 X3)	<b>SH-1158B</b> (NO.1)31307-20700 (NO.2)31307-13201 (NO.3)31307-13301 (NO.4)31407-13401 (NO.1)31307-03600 (NO.1)31307-13101 (NO.2)31307-13201 (NO.3)31307-13301 (NO.4)31407-13401	<b>PB-1115J</b> 31619-00700 31619-00792
16	D <b>6DS1</b>	1964-72	6	4.678	<b>MS-1808GP</b>	<b>TW-1055K</b>	<b>CB-1808GP</b>	<b>SH-1055B</b>	<b>PB-1055J</b>
	D <b>6DS10</b>	1966-72	6	4.678	ME025265	ME020328	ME025292	(NO.1)ME020278	ME020448
	D <b>6DS3</b>	1972-74	6	5.103	ME020323	30809-08201	ME020452	(NO.2)ME020280	
	D <b>6DS30</b>	1972-77	6	5.103	ME999088		ME012210	(NO.3)ME020282	
	D <b>6DS5</b>	1970-72	6	4.978	ME029253		30819-02100	(NO.4)ME023432	
	D <b>6DS50</b>	1970-76	6	4.978	30809-02000			(NO.4)ME023432	
	D <b>6DS7</b>	1972-78	6	5.430	30809-01009				
	D <b>6DS70</b>	1972-85	6	5.430	30809-01000			(NO.1)ME029225 (NO.2)ME029027 (NO.3)ME029028 (NO.4)ME023431	



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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
20	D <b>8M20</b>		V8	20.089	<b>MS-1840GP</b>	<b>TW-1840K</b>	<b>CB-1804GP</b>	(NO.1)ME092006 (NO.2)ME092007 (NO.3)ME092008 (NO.4)ME092009 (NO.5)ME160764	
	D <b>8M21</b>		V8	21.205	ME997681~5	ME160013	ME093763~9		
21	D <b>10DC6</b>	1972-82	V10	18.608	<b>M1-1147GP</b>	<b>TW-1072J</b>	<b>C1-1073GP</b>	<b>P1-1147J</b> 31219-70600 10 cyl 2 pcs/box x5	
	D <b>10DC8</b>	1975-80	V10	18.608	31909-70020	31109-07109	31919-51000		
	D <b>10DC6/60</b>	1973~77/3	V10	18.608	31909-00000	31109-07101	31919-50000		
	D <b>10DC8/80</b>	1974~77/3	V10	18.608	10 cyl use 6	<b>TW-1147J</b> 31209-78101	10 cyl 1 pr/box x10		
22	D <b>6DC2</b>	67-79	V6	9.955	<b>M1-1147GP</b>	<b>TW-1072J</b>	<b>C1-1073GP</b>		
					31909-70020 31909-00000 (1 pr/box X 4)	31109-07109 31109-07101	31919-51000 31919-50000 (1 pr/box X 6)		

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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
1	G <b>A12</b>	1/1970-	4	1.171	<b>MS-1087GP</b> 12207-H1000/1 12207-M7200/1 12207-M5600/1		<b>CB-1045GP</b> 12111-20900 12111-20901 12111-H1010/1 12111-H1001 1211-18000	<b>SH-1019B</b> 13002-H1020 13002-18000	
	G <b>A12A</b>	11/77-9/81	4	1.237					
	G <b>A13</b>	10/75-10/81	4	1.270					
	G <b>A14</b>	9/74-12/84	4	1.397					
	G <b>A15</b> Sunny	6/1980-	4	1.487					
2	G <b>CA16</b>	10/79-9/91	4	1.598	<b>MS-1173GP</b> 12207-D0200 12207-01E00		<b>CB-1173GP</b> 12111-01E00 12111-D0200 12111-16A00 12111-03E00 12111-D0210 12111-D4200  12111-V5500 12111-19V00 for CA18P,CA20P (1985-)	<b>PB-1205J</b> 12030-D4200 for CA16D/18D	
	G <b>CA18</b>	6/1981-	4	1.809					
	G <b>CA20</b> Bluebird Stanza Auster Preirie	6/1981-	4	1.973					
3	D <b>CD17</b> Sunny pulsar Langrey	10/1982-	4	1.680	<b>MS-1173GP</b> 12207-D0200 82-83 <b>MS-1217A</b> (FIR)12207-54A00 (C) 12261-54A00 83-ON		<b>CB-1173GP</b> 12111-16A00  12111-D2800 (1988- )	<b>PB-1173J</b> 12030-16A01 (1983-)	
4	D <b>CD20</b>	5/1990-	4	1.973	<b>MS-1217A</b> 12207-D0200		<b>CB-1217A</b> 12111-22J00 12111-22J01 12111-22J02	<b>PB-1217J</b> 12030-57J00 for CD20	
	D <b>CD20-T</b>	6/1991-	4	1.973					
5	G <b>CG10DE</b>		4	997	<b>MS-1224A</b> 12207-41B00	<b>TW-1224A</b> 12280-41B01	<b>CB-1224A</b> 12111-41B00		
	G <b>CG13DE</b> March Cube		4	1.274					



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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
11	G <b>HR15DE</b> Tida Cube Note		4	1.498	<b>MS-1227A</b> 12215-BC020	<b>TW-1227A</b> 12280-BC020A	<b>CB-1227A</b> 12150-BC020C 12110/1-BC20B		
12	G <b>J13</b> G <b>J15</b> G <b>J16</b> G <b>J18</b> Bluebird Truck	10/69-11/75 3/70-8/79 8/72-8/85 1980-	4 4 4	1.299 1.483 1.567	<b>MS-1091GP</b> 12231-01W00 12231-A3801 12231-B5000 12231-K20G2	<b>TW-1000B</b> 12280-B5225 12280/81-B3000 12280/81-B5200	<b>CB-1007GP</b> 12111-16700 12111-B3000 12111-09405 <b>CB-1204GP</b> 12111-B5225 12111-515RP J18 12111-24WGO FOR MEXICO	<b>SH-1006B</b> 13002-B5000 13002-13200	
13	G <b>KA24</b> Presage Largo 240SX	1988-	4	2.388	<b>MS-1209GP</b> 12207-40F00 12261-40F00 12215/23-40F00 12247/55-40F00		<b>CB-1209GP</b> 12111-40F00 12111-53F00		<b>PB-1209J</b> 12030-40F00
14	G <b>KH1S</b> G <b>KH2S</b> G <b>KH3S</b>		4		<b>MS-1220A</b> 12207-50K00		<b>CB-1221A</b> 12111-85G00	<b>SH-1003B</b> 13002-71204 13002-71200 13002-32200	<b>PB-1217J</b> 12030-57J00
15	G <b>L13</b> G <b>L14</b> G <b>L16</b> G <b>L18</b> Bluebird Violet Stanza	1967-70 9/1970-4/77 4/67-7/89 9/70-12/81	4 4 4 4	1.296 1.428 1.595 1.770	<b>MS-1043GP</b> 12207-W3400 12207-23000 12207-23001		<b>CB-1044GP</b> 12111-V0700 12111-V0705 12111-V0715 12111-73400 12111-F5100 12111-21000		
16	G <b>L20B</b> Truck	1974-4/80	4	1.952	<b>MS-1183GP</b> 12207-U6000 12207-U6001		<b>CB-1044GP</b> 12111-73400 12111-V0700		

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
17	D <b>LD20</b> Skyline Bluebird Laurel Vanette	4/78-9/83	4	1.952	<b>MS-1183GP</b> 12207-U6000 12207-U6001		<b>CB-1044GP</b> 12111-73400 12111-V0700		<b>PB-1189J</b> 12030-V0700 (4/78-9/82) <b>PB-1183J</b> 12030-W3400 (9/82-9/83)
18	D <b>LD20</b> Skyline Bluebird Laurel Vanette	10/1983-	4	1.952	<b>MS-1218GP</b> 12207-05E00 (10/83-8/85) (F.R)12215-G5525 (I)12231-G5525 (C)12247-G5525 (8/1985-)		<b>CB-1044GP</b> 12111-73400 12111-V0700		<b>PB-1189J</b> 12030-V0700
19	G <b>L20</b> G <b>L24</b> G <b>L26</b> G <b>L28</b> Cedric	1966-5/87 10/71-6/87 1/71-6/78 6/1975-	6 6 6 6	1.998 2.393 2.565 2.753	<b>MS-1047GP</b> 12207-73400		<b>CB-1048GP</b> 12111-73400 12111-V0700 12111-F5100		
20	G <b>L20A</b> G Cedric Laurel	6/81-5/87	6	1.998	<b>MS-1047GP</b> 12207-73400		<b>CB-1177GP</b> 12111-D0200		
21	D <b>LD28</b> Skyline Cedric	10/79-10/86	6	2.792	<b>MS-1047GP</b> 12207-73400		<b>CB-1048GP</b> 12111-73400 12111-V0700 12111-F5100		<b>PB-1047J</b> 12030-V0700  <b>PB-1048J</b> 12030-W3400

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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
22	G <b>MA09</b>	8/88-1/92	4	930	<b>MS-1202A</b>	<b>TW-1202A</b>	<b>CB-1202A</b>		
	G <b>MA10</b> March	9/1982-	4	987	12215/23-21B00 12215/16-01B10	12280-01B00 12280-01B01	12111-17B00 12111-01B00/11		
23	G <b>MR20DE</b> Serena Lafesta		4	1.997	<b>MS-1228A</b> 12215-CK800	<b>TW-1228A</b> 12280-CK800	<b>CB-1228A</b> 12150-CK80A		
24	G <b>NA20</b>		4	1.998	<b>MS-1221A</b> (F)12207-0H600 (R)12207-85G00 (C)12261-85G00		<b>CB-1221A</b> 12111-85G00		
	G <b>NA16</b>		4		<b>MS-1225A</b> (NA16) 12261-84G00 12207-85G00				
25	G <b>P40</b>	9/79-10/87	6	3.956	<b>MS-1172GP</b>		<b>CB-1001HP</b>	<b>SH-1002B</b>	
	G <b>PF40</b> Patrol	6/80-12/88	6	3.956	12207-C6000/2 12207-L6200/1		12111-58010	13002-C6005 13002-58000	
26	G <b>QR20</b>		4		<b>MS-1226A</b>	<b>TW-1226A</b>	<b>CB-1226GP</b>		<b>PB-1226J</b>
	G <b>QR25</b>		4		12207-6N210	12280/81-6N210	12111-6N210		12030-6N200
27	G <b>RB20D</b> Cefiro	8/1985-	6	1.998	<b>MS-1203GP</b> (F.I.R)12207-42L10 (C)12261-42L00 (F.I.R)A2231-42L00 (C)12261-42L00		<b>CB-1215GP</b> 12111-58S00~2		<b>PB-1206J</b> 12030-58S00



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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
34	G TB42 Safari	10/1987-	6	4.169	<b>MS-1199A</b> 12207-03J00/10		<b>CB-1199A</b> 12111-03J00/10	<b>SH-1199B</b> 13002-03J00	<b>PB-1199J</b> 12030-03J00
35	G VG20 Cedric Gloria	6/83-10/86	V6	1.998	<b>MS-1200GP</b> (F)12215-V5325 (I)12231-V5325 (R)12247/55-V5300		<b>CB-1200GP</b> 12111-F6300 12111-V5001		
36	G VG20 Cedric Gloria	10/86-	V6	1.998	<b>MS-1211GP</b> (F)12215-02P25~9 (I)12231-02P25~9 (R)12261-02P00~4 (F)12214-40V00~4 (I)12230-40V00~4 (R)12261-40V00~4 (F)12214-40V10~4 (I)12230-40V10~4 (R)12261-40V10~4 (F)12214-02P00~4 (I)12230-02P00~4 (R)12261-02P00~4		<b>CB-1200GP</b> 12111-F6300~1  12111-10V03	<b>PB-1200J</b> 12030-D4200	
37	G VG20D Cedric Gloria	6/87-6/91	V6	1.998	<b>MS-1211GP</b> AS GROUP 35		12111-16V00~2		<b>PB-1206J</b> 12030-58S00
38	G VG30 Fairlady Z Cedric	6/83-4/87	V6	2.960	<b>MS-1211GP</b> AS GROUP 35		<b>CB-1210A</b> 12111-V5211		

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
39	G <b>VG30</b> Fairlady Z Cedric	4/1987-	V6	2.960	<b>MS-1211GP</b> AS GROUP 35		<b>CB-1210A</b> 12111-02P00 12111-40V10		<b>PB-1210J</b> 12030-21V00 FOR 1987-
40	G <b>VG30D</b> Fairlady Z Cedric	2/1986-	V6	2.960	<b>MS-1211GP</b> AS GROUP 35		<b>CB-1211GP</b> 12111-31P00~3 12111-30P60~3 12111-F6500~2 12111-45V00~2		<b>PB-1211J</b> 12030-30P00 12230-F6510
41	G <b>VQ20DE</b>		V6	1.995	<b>MS-1219GP</b> 12207-31U00	<b>TW-1219A</b> 12280/81-31U00	<b>CB-1219GP</b> 12111-31U10		<b>PB-1219J</b> 12030-31U01
	G <b>VQ25DD</b>		V6	2.495					
	G <b>VQ25DE</b>		V6	2.495					
	G <b>VQ30DD</b>		V6	2.987					
	G <b>VQ30DET</b> Cefiro		V6	2.987					
42	G <b>VH41</b>	8/1991-	V8	4.130	<b>MS-1214GP</b> (F.R)12207-60U00 (I) 12207-60U10 (C)12263-60U00	<b>TW-1214A</b> 12280/81-60U00	<b>CB-1214GP</b> 12111-60U00 12111-60U02		<b>PB-1214J</b> 12030-60U00/1
	G <b>VH45</b> Cima President Infiniti Q41-5	10/1989-	V8	4.494					
43	D <b>YD22</b>		4	2.148	<b>MS-1229A</b> 12207-ES60A 12207-AD200	<b>TW-1229A</b> 12280-AD200	<b>CB-1229A</b> 12111-ES60A		<b>PB-1229J</b> 12030-AD200
	D <b>YD25</b> Almera X-Trail		4	2.488					
44	G <b>Z16</b>	9/1977-	4	1.595	<b>MS-1043GP</b> 12207-W3400 12207-23001 12207-23000 12207-21000		<b>CB-1044GP</b> 12111-V0700 12111-73400 12111-F5100 12111-V0705 12111-V0715		
	G <b>Z18</b> Bluebird Stanza Laurei Skyline	9/1977-	4	1.770					



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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
1	D <b>BD30</b>	5/89-10/91	4	2.953	<b>MS-1190GP</b> 12207-54T10	<b>TW-1028GP</b> 12280-37525~27	<b>CB-1194GP</b> (U)12111-54T10 (L)12111-43G01	<b>SH-1190B</b> 13002-43G00 13002-54T00	<b>PB-1194J</b> 12030-31N00
2	D <b>ED30</b>	2/69-8/82	4	2.956	<b>MS-1180GP</b> 12207-J2000	<b>TW-1122J</b> 12280-J2025 12280-J2026 12280-J2027	<b>CB-1122GP</b> 12117-J2000	<b>SH-1122B</b> 13002-J2000	<b>PB-1122J</b> 12030-J2000
3	D <b>ED33</b>	2/78-11/86	4	3.298	<b>MS-1180GP</b> 12207-J6500 12207-J6510	<b>TW-1122J</b> 12280-J2025 12280-J2026 12280-J2027	<b>CB-2801GP</b> 12117-Z5500 12117-Z5510 12111-01T00 12117-Z5000 (CB-1180GP)	<b>SH-1122B</b> 13002-J2000	<b>PB-1180J</b> 12030-Z5000
	D <b>ED33-T</b>	6/80-11/86	4	3.298					
	D <b>FD-33</b>	1/83-11/86	4	3.298					
	D <b>FD33-T</b>	6/84-11/86	4	3.298					
4	D <b>ED33</b>	11/1986-	4	3.298	<b>MS-1180GP</b> 12207-J6500 12207-J6510	<b>TW-1122J</b> 12280-J2025 12280-J2026 12280-J2027	<b>CB-2801GP</b> 12117-01T00 12117-Z5500 12117-Z5510 (CB-1180GP)	<b>SH-1135B</b> 13002-T9000	<b>PB-1180J</b> 12030-Z5000
	D <b>ED35</b>	6/1990	4	3.465					
	D <b>FD33</b>	11/1986-	4	3.298					
	D <b>FD33-T</b>	11/1986-	4	3.298					
	D <b>FD35</b>	11/1986-	4	3.465					
	D <b>FD35-T</b>	11/1986-	4	3.465					
5	D <b>ED6</b>	9/74-4/83	6	5.654	<b>MS-1135GP</b> 12207-Z5325 12207-Z5225 12207-Z5125 12207-Z5025 12207-Z5000 12207-Z5510 12207-Z5500 12215-Z5025	<b>TW-1122J</b> 12280-J2025 12280-J2026 12280-J2027 12280-Z5025 12280-Z5026 12280-Z5027	<b>CB-2802GP</b> 12117-Z5510 12117-Z5500 12117-Z5000 (CB-1135GP)	<b>SH-1135B</b> 13003-Z5025 (NO1~2)13003-J2000 (NO3~4)13005-Z5000	<b>PB-1135J</b> 12030-Z5000
	D <b>FD6</b>	5/1973-	6	5.654					
	D <b>FD6-T</b>	5/1973-	6	5.654					
6	D <b>FD42</b>		4	4.214	<b>MS-2804GP</b> 12207-0T003	<b>TW-2800J</b> 12280-Z5225 12280-Z5125	<b>CB-2804GP</b> 12111-0T003	<b>SH-2804A</b> 13005-0T000 13008-0T000	<b>PB-2804J</b> 12030-0T001
	D <b>FD46</b>		4	4.617					
	D <b>FD46-T</b>		4	4.617					
	D <b>FD46-TA</b>		4	4.617					



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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing	
11	D	<b>PD6</b>	3/1969-	6	10.308	<b>MS-1084GP</b>	<b>TW-1084K</b>	<b>CB-1084GP</b>	<b>SH-1084B</b>	<b>PB-1084J</b>
	D	<b>PD6-T</b>	7/1984-	6	10.308	12212-96000	12280-96025~7	12111-96012	13003-96025/26	12030-96000
	D	<b>PD6H</b>	3/1983-	6	10.308	(F)12227-96000	(3/73-1/80)	12111-96006	(No.1)13003-96000	12030-96001
	D	<b>PE6H</b>	3/1973-	6	11.670	(I.R)12213-96000		12111-96000	(No.2)13004-96000	
	D	<b>PE6H-T</b>	7/1984-	6	11.670	(C)12222-96000			(No.3)13005-96000	
	D	<b>PP6H</b>	1980-88	6	11.670		<b>TW-2803K</b>		(No.4)13006-96000	
	D	<b>PE6</b>	8/70	6	11.670		12280-96125		(No.5)13007-96000/1	
	D	<b>PE6-T</b>	10/74-	6	11.670		12280-96126		TO -82	
						12280-96128		<b>SH-2806B</b>		
						12280-96225		13003-96226		
						(FOR PE6-T)		(No.1)13003-96017		
						(1/1980-)		(No.2)13004-96018		
								(No.3)13005-96017		
								(No.4)13006-96018		
								(No.5)13007-96017		
12	D	<b>PF6</b>		6	12.503	<b>MS-2803GP</b>	<b>TW-2803K</b>	<b>CB-2803GP</b>	<b>SH-2803K</b>	<b>PB-2803J</b>
	D	<b>PF6-T</b>		6	12.503	12213-96526	12280-96125/26	12111-96506	13003-96127	12030-96002
						12213-96025				
							<b>TW-2807K</b>	<b>CB-2810GP</b>	<b>SH-2807K</b>	
							12280-97225	12117-96576	13003-97325	
							12280-96500			
							12290-96505			
13	D	<b>PG6</b>		6	13.337	<b>MS-2803GP</b>	<b>TW-2807K</b>	<b>CB-2811GP</b>	<b>SH-2808K</b>	
	D	<b>PG6H</b>		6	13.337	12213-96526	12280-97225	12117-96608	13003-97326	
						12213-96025	12280-96500			
							12290-96505			
14	D	<b>QD32</b>		4	3.153	<b>MS-1190GP</b>	<b>TW-1028GP</b>	<b>CB-1190GP</b>	<b>SH-1190B</b>	<b>PB-2805J</b>
	D	<b>QD32-T</b>		4	3.153	12207-43G10	12280-37525	12111-43G01	13002-43G00	12030-2W200
							12280-37527			

# NISSAN DIESEL

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
15	D <b>RD8</b>	8/71-7/83	V8	14.313	<b>MS-1118GP</b>	<b>TW-1118K</b>	<b>CB-1118GP</b>	<b>SH-1118B</b>	<b>PB-1118J</b>
	D <b>RD8-T</b>	8/71-7/83	V8	14.313	12212-97185 12212-97525  (F.I)12213-97062 (R)12228-97000  (F.I)12213-97005 (R)12228-97005  (F.I)12213-97000 (R)12228-97000  (F.I)12215-97428 (R)12216-97025  (F.I)12215-97227 (R)12216-97029  (F.I)12215-97128 (R)12216-97025	12280-97025 12280-97026 12280-97027	12117-97008 12117-97004 12117-97000	13003-97128 13003-97025 13003-97029  (No.1)13003-97000/3 (No.2)13004-97003/5 (No.3)13005-97003/5 (No.4)13006-97003/5 (No.5)13008-97503/5  (No.1)13003-97000/2 (No.2)13004-97000/2 (No.3)13005-97000/2 (No.4)13006-97000/2 (No.5)13008-97500/2	12030-97000 12030-97001
16	D <b>RD8</b>	7/83-4/85	V8	14.313	<b>MS-1186GP</b>	<b>TW-1118K</b>	<b>CB-1118GP</b>	<b>SH-1118B</b>	<b>PB-1118J</b>
	D <b>RD8-T</b>	7/83-4/85	V8	14.313	12212-97228	12280-97025	12117-97062	13003-97128	12030-97002
	D <b>RE8</b>	5/83-4/85	V8	14.313	12212-97725 12212-97529 (F.I)12213-97069 (R)12228-97063  (F.I)12213-97062 (R)12228-97000  (F.I)12213-97016 (R)12228-97016  (F.I)12213-97010 (R)12222-97010	12280-97026 12280-97027	12117-97008	13003-97025 13003-97029 (No.1)13003-97000/3 (No.2)13004-97003/5 (No.3)13005-97003/5 (No.4)13006-97003/5 (No.5)13008-97503/5  (No.1)13003-97000/2 (No.2)13004-97000/2 (No.3)13005-97000/2 (No.4)13006-97000/2 (No.5)13008-97500/2	12030-97001

**NISSAN DIESEL**

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
17	D <b>RD8</b>	4/1985-	V8	14.313	<b>MS-1197GP</b>	<b>TW-1118K</b>	<b>CB-1118GP</b>	<b>SH-1118B</b>	<b>PB-1118J</b>
	D <b>RD8-T</b>	4/1985-	V8	14.313	12213-97069	12280-97025	12117-97000	13003-97128	12030-97002
	D <b>RE8</b>	4/1985-	V8	15.115	12213-97025	12280-97026	12117-97008	13003-97025	12030-97001
	D <b>RF8</b>	4/1985-	V8	16.991	12213-97104	12280-97027	12117-97004 12117-97069 12117-97062 12117-97013 12117-97067	13003-97029 (No.1)13003-97000/3 (No.2)13004-97003/5 (No.3)13005-97003/5 (No.4)13006-97003/5 (No.5)13008-97503/5 (No.1)13003-97000/2 (No.2)13004-97000/2 (No.3)13005-97000/2 (No.4)13006-97000/2 (No.5)13008-97500/2	12030/97000
18	D <b>RF8-T</b>		8		<b>MS-2812GP</b>	<b>TW-2812K</b>	<b>CB-2812GP</b>	<b>SH-2812K</b>	<b>PB-1812J</b>
	D <b>RG8</b>		8		12213-97160	12280-97005	12117-97075	13308-97508	12030-97003
	D <b>RH8</b>		8			12290-97005		13303-97007	RF8T, RG8
	D								PB-(for RH8) 12030-97005
19	D <b>RD10</b>	8/71-7/83	V10	17.892	<b>MS-1119GP</b>	<b>TW-1118K</b>	<b>CB-1119GP</b>	<b>SH-1119B</b>	<b>PB-1119B</b>
	D <b>RD10-T</b>	8/71-7/83	V10	17.892	12212-97286	12280-97025	12117-97008	13003-97225	12030-97000
	D <b>RD10</b>	7/83-1/86	V10	17.892	12212-97029	12280-97026	12117-97004	13003-97027	12030-97001
	D <b>RD10-T</b>	7/83-1/86	V10	17.892	12212-97025	12280-97027	12117-97000	13003-97126	
	D <b>RE10</b>	7/1983-	V10	17.892	(F.I)12213-97062 (R)12228-97000 (F.I)12213-97005 (R)12228-97005 (F.I)12213-97000 (R)12228-97000 (F.I)12215-97428 (R)12216-97025 (F.I)12215-97227 (R)12216-97029 (F.I)12215-97128 (R)12216-97025			(No.1)13003-97000/3 (No.2)13004-97003/5 (No.3)13005-97003/5 (No.4)13006-97003/5 (No.5)13007-97003/5 (No.6)13008-97003/5  (No.1)13003-97000/2 (No.2)13004-97000/2 (No.3)13005-97000/2 (No.4)13006-97000/2 (No.5)13007-97000/2 (No.5)13008-97000/2	
					<b>MS-1187GP</b> 12212-97826 12212-97328 12212-97225 12212-97128 83-ON				

# NISSAN DIESEL

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
20	D <b>RD10</b>	1986-	V10	18.894	<b>MS-1198GP</b>	<b>TW-1118K</b>	<b>CB-1119GP</b>	<b>SH-1119B</b>	<b>PB-1119J</b>
	D <b>RD10-T</b>	1986-	V10	18.894	12213-97069	12280-97025	12117-97000	13003-97225	12030-97002
	D <b>RE10</b>	1986-	V10	18.894	12213-97026	12280-97026	12117-97008	13003-97027	12030-97001
	D <b>RF10</b>	1986-	V10	21.239	12213-97104	12280-97027	12280-97004 12117-97067 12117-97062 12117-97013 12117-97069	13003-97126	
21	D <b>RH10</b>		10		<b>MS-2813GP</b>	<b>TW-2812K</b> 12280-97005 12290-97005	<b>CB-2813GP</b>	<b>SH-2813K</b> 13303-97007 13304-97007	12030-97005
22	D <b>SD20</b>	1963-80	4	1.991	<b>MS-1028GP</b>	<b>TW-1028GP</b>	<b>CB-1029GP</b>	<b>SH-1003B</b>	<b>PB-1029J</b>
	D <b>SD22</b>	1963-80	4	2.164	12207-37502 12207-37503 12207-37504 12207-37505 12207-37506	12280-37525 12280-37526 12280-37527	12117-Y5200 12117-Y5210 12117-37502 12117-37503 12117-37504 12117-37505	13002-37500/1	12030-37500
23	D <b>SD20</b>	1980-83	4	1.991	<b>MS-1182GP</b>	<b>TW-1028GP</b>	<b>CB-1029GP</b>	<b>SH-1003B</b>	<b>PB-1182J</b>
	D <b>SD22</b>	1980-	4	2.164	12207-V1700	12280-37525	12117-Y5200	13002-37500	12030-L2000
	D <b>SD23</b>	1980-87	4	2.289	12207-V1701	12280-37526	12117-Y5210	13002-37501	
	D <b>SD25</b>	1981-	4	2.488	12215-V1700	12280-37527	12117-37502		
	D <b>SD25-T</b>	1985-88	4	2.488			12117-37503 12117-37504 12117-37505		
24	D <b>SD33</b>	1966-	6	3.246	<b>MS-1058GP</b>	<b>TW-1028GP</b>	<b>CB-1058GP</b>	<b>SH-1191B</b>	<b>PB-1058J</b>
	D <b>SD33-T</b>		6	3.246	12207-61504 12207-61505 12207-61506 12207-61507	12280-37525 12280-37526 12280-37527	12117-Y5200 12117-Y5210 12117-37502 12117-37503 12117-37505 12117-37504	13002-90010 ( '79- )  <b>SH-1004B</b> 13002-61500 ( '79- )	12030-37500

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Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
25	D <b>TD23</b>	1986-	4	2.289	<b>MS-1190GP</b> 12207-43G00 12207-43G10 12207-54T00 12207-54T10	<b>TW-1028GP</b> 12280-37525 12280-37526 12280-37527	<b>CB-1192GP</b> 12111-02N00 12111-02N01	<b>SH-1190B</b> 13002-43G00 13002-54T00	<b>PB-1192J</b> 12030-02N00
26	D <b>TD25</b>	1986-	4	2.494	<b>MS-1190GP</b> 12207-43G00 12207-43G10 12207-54T00 12207-54T10	<b>TW-1028GP</b> 12280-37525 12280-37526 12280-37527	<b>CB-1190GP</b> 12111-43G00 12111-43G01	<b>SH-1190B</b> 13002-43G00 13002-54T00	<b>PB-1190J</b> (FOR TD25) <b>PB-1194J</b> 12030-31N00 (FOR TD27)
	D <b>TD27</b>	1986-	4	2.663					
	D <b>TD27-T</b>	1988-	4	2.663					
27	D <b>TD42</b>	1987-	6	4.169	<b>MS-1195GP</b> 12207-06J10 12207-06J11	<b>TW-1028GP</b> 12280-37525 12280-37526 12280-37527	<b>CB-1195GP</b> 12111-43G00 12111-43G01	<b>SH-1195B</b> 13002-06J00/1	<b>PB-1195J</b> 12030-43G00 <b>PB-1196J</b> 12030-31N00
28	D <b>ZD30</b>		4	2.953	<b>MS-2805A</b> 12207-2W211	<b>TW-2805J</b> 12280-2W210	<b>CB-2805A</b> 12111-2W200		<b>PB-2805J</b> 12030-2W200  <b>BB-2805A</b> 12407-2W206 12407-2W201
	D <b>ZD30-Ti</b>		4	2.953					

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing		
1	G <b>E23</b>	9/82-2/90	2	544	<b>MS-1126GP</b>		<b>CB-2303GP</b>				
	G <b>E42</b>	3/88-6/89	2	665						38265-2100	48291-5400
	G <b>EK21</b>	2/73-5/76	2	358						48265-1000	38291-2100
	G <b>EK22</b>	4/76-7/77	2	490							
	G <b>EK23</b>	4/77-3/90	2	544							
	G <b>EK23-T</b>	10/83-10/86	2	544							
	G <b>EK42</b>	9/82-6/89	2	665							
	Rex Samber										
2	G <b>EA62</b>	1970~73	4	1.267	<b>MS-1124GP</b>		<b>CB-1124GP</b>		<b>PB-2300J</b> 47336-7001		
	G <b>EA63</b>	10/71-9/78	4	1.361						88265-8620	88291-6100
	G <b>EA64</b>	10/73-9/78	4	1.176						88265-8830	38291-4300
	G <b>EA71</b>	9/75-9/78	4	1.595						88265-8810	38291-7900
		Leone								88265-8640	88291-8610
				88265-8823	88291-8800						
				88265-8630							
				88265-8610							
3	G <b>EA63</b>	10/78-9/79	4	1.361	<b>MS-1184GP</b>		<b>CB-1124GP</b>		<b>PB-2300J</b> 47336-7001		
	G <b>EA64</b>	10/78-9/79	4	1.176						88265-8840	38291-7900
	G <b>EA65</b>	10/79-10/89	4	1.298						(F,R) 81115-8830	38291-4300
	G <b>EA71</b>	10/1978-	4	1.595						(C) 48536-7010	88291-8610
	Leone				88291-6100						
					88291-8800						
4	G <b>EA81</b>	6/79-10/84	4	1.781	<b>MS-2300GP</b>		<b>CB-1124GP</b>		<b>PB-2300J</b> 47336-7001		
	G <b>EA81-T</b>	8/82-10/84	4	1.781						48543-7000	38291-7900
	G <b>EA82</b>	6/84-	4	1.781						(F,R) 81115-8830	38291-4300
	Leone				(C) 48536-7010	88291-8610					
						88291-6100					
						88291-8800					
						12108-AA040					
5	G <b>EA82</b>	6/1984-	4	1.781	<b>MS-2300GP</b>		<b>CB-2300GP</b>		<b>PB-2300J</b> 47336-7001		
	G <b>EA82-T</b>	6/84-8/91	4	1.781						48543-7000	12108-AA000
	Leone				(F,R) 81115-8830	12108-AA090					
					(C) 48536-7010	12108-AA040					

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
6	G <b>EF10</b> Justy Domingo	10/1983-	3	997	<b>MS-2301GP</b> 48265-5500 48265-5600 48265-5400		<b>CB-2301GP</b> 12108-KA110 48291-5600		
7	G <b>EF12</b> Justy Domingo	10/1985-	3	1.189	<b>MS-2301GP</b> 48265-5500 48265-5600 48265-5400		<b>CB-2302GP</b> 12108-KA110 12111-KA001 12111-KA000		
8	G <b>EJ15</b> G <b>EJ16</b> G <b>EJ18</b> G <b>EJ20</b> G <b>EJ22</b> G <b>EJ25</b> Legacy Impreza		4 4 4 4 4 4	1.493 1.597 1.820 1.994 2,212 2,457	<b>MS-2305A</b> 12209-AA040   <b>MS-2306A</b> 12209-AA200		<b>CB-2305A</b> 12108-AA210 12111-AA330  <b>CB-2306A</b> 12108-AA530 12111-AA570		
9	G <b>EN07</b> Vivio		4	658	<b>MS-2307GP</b> 12211-KA060 12215-KA110	<b>TW-2307A</b> 12252-KA000	<b>CB-2307GP</b> 12108-KA030 12111-KA190		
10	G <b>ER27</b> Arcyone	7/87-9/91	6	2.672	<b>MS-2304GP</b> 12211-AA000  (F.R.) 12215-AA000 (I) 12212-AA000 (C) 48536-7100		<b>CB-2304A</b> 12108-AA130		<b>PB-2304J</b> 47336-7001
11	G <b>EN07</b> Vivio		4	658	<b>MS-2307GP</b> 12211-KA060 12215-KA110	<b>TW-2307GP</b> 12252-KA000	<b>CB-2307GP</b> 12108-KA030 12111-KA190		

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
1	G <b>F5A</b> Fronte Carry Cervo	5/79-2/90	3	CC 543	<b>MS-2402A</b> 12300-78811 12300-78812 12300-78810 12341-78101 12341-73010	<b>TW-2402A</b> 12300-78830 12351-78100	<b>CB-2402A</b> 12181-78130 12181-78110 12181-78111		<b>PB-2401J</b> 12165-73000 3 PCS/SET
2	G <b>F5A-T</b> Fronte Carry	5/79-9/89	3	543	<b>MS-2402A</b> 12300-78812 12300-78811 12300-78810 12341-78101 12341-73010	<b>TW-2402A</b> 12300-78830 12351-78100	<b>CB-2401A</b> 12181-81051 12181-81050 12181-73001 12181-73002 12181-73010 6pcs/Set		<b>PB-2401J</b> 12165-73000 3 PCS/SET
3	G <b>F5B</b>	1988-	3	543	<b>MS-2402A</b> 12300-78811	<b>TW-2402A</b> 12300-78830	<b>CB-2406A</b> 12181-81401		
4	G <b>F6A</b>		3	657	<b>MS-2406A</b> 12341-60D00	<b>TW-2406A</b> 12351-60D00	<b>CB-2401A</b> 12181-81501-0A0 <b>CB-2406A</b> 12181-81401		
5	G <b>F8A</b> G <b>F10A</b> Jimny Alto	12/79-9/88 8/82-7/91	4 4	797 970	<b>MS-1179A</b> 12300-73811 12300-73810 12300-73812	<b>TW-1179A</b> 12300-73830	<b>CB-1179A</b> 12181-81051 12181-81050 12181-73001 12181-73000 12181-73010 8pcs/Set		<b>PB-1179J</b> 12165-73000 4PCS/SET
6	G <b>F8B</b> (Y64) (SS80) Alto	12/79-7/91	3	796	<b>MS-2401A</b> 12300-78860 12341-78110	<b>TW-1179A</b> 12300-73830	<b>CB-2401A</b> 12181-78400 6pcs/Set		<b>PB-2401J</b> 12165-73000 3 PCS/SET

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
7	G <b>G10</b>	10/83-7/91	3	993	<b>MS-2403A</b>	<b>TW-2403A</b>	<b>CB-2403A</b>		
	G <b>G10-T</b> Fronte	5/1984-9/88	3	993	12340-82000 12300-82810	12300-82820 12351-82010	12100-82810		
8	G <b>G13A</b>	8/84-9/88	4	1.324	<b>MS-2404A</b>	<b>TW-2403A</b>	<b>CB-2404A</b>		
	G <b>G13B</b>	8/1984-	4	1.298	12340-82000	12300-82820	12100-82810		
	G <b>G13BA</b> Cultus	9/1988-	4	1.298	12300-82810	12351-82010			
9	G <b>G13B</b> Cultus DOHC	8/1984-	4	1.298	<b>MS-2404A</b> 12340-82000 12300-82810	<b>TW-2403A</b> 12300-82820 12351-82010	<b>CB-2404A</b> 12100-86810		
10	G <b>G15A</b>	7/1991-	4	1.493	<b>MS-2405A</b>	<b>TW-2405A</b>	<b>CB-2405A</b>		
	G <b>G16A</b>	5/1988-	4	1.590	12340-60A10	12300-60820	12100-60821		
	G <b>G16B</b> Escude Cultus	8/1991-	4	1.590			12100-60820 12100-60831 12100-60830		



Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
7	D <b>B</b> Dyna Coaster	4/84-ON	4	2.977	<b>MS-1428A</b>	<b>TW-1417A</b>	<b>CB-1121A</b>	<b>SH-1401B</b>	<b>PB-1428J</b>
					11701-56010	11011-56010	13041-56010	11802-56010	90999-73065
					11701-56020	11011-56020	13202-56010	11802-56011	90999-73131
					11701-56030	11011-56011	72-88	84-86	90999-73121
								11802-56021	T0-89
							<b>CB-1428A</b>	86-88	
							13041-56020		
							13041-56030	<b>SH-1428B</b>	
							13041-56060	11802-56030	
							88-ON	88-89	
8	D <b>3B</b>	8/80-9/84	4	3.431	<b>MS-1121A</b>		<b>CB-1401A</b>	<b>SH-1401B</b>	<b>PB-1401J</b>
					11702-56010		13041-58010	11802-56010	90999-73088
							13202-58010	11802-56011	90999-73132
9	D <b>3B</b>	8/84-8/88	4	3.431	<b>MS-1428A</b>	<b>TW-1417A</b>	<b>CB-1401A</b>	<b>SH-1401B</b>	<b>PB-1401J</b>
					11701-56010	11011-56010	13041-58010	11802-56011	90999-73088
					11701-56020	11011-56020	13202-58010		90999-73132
								<b>SH-1417B</b>	
								11802-56020	
								(8/84-6/86)	
								11802-56021	
								(6/86-8/88)	

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
10	D <b>3B</b>	8/1988-	4	3.431	<b>MS-1428A</b>	<b>TW-1417A</b>	<b>CB-1429A</b>	<b>SH-1428B</b>	<b>PB-1429J</b>
	D <b>11B</b>	8/1988-	4	2.977	11701-56010	11011-56010	13041-56040	11802-56030	90999-73116
	D <b>14B</b>	8/1988-	4	3.660	11701-56020	11011-56020 11011-56011	13041-58032 13041-58031 13041-58020		90999-73124 (8/88-3/89)
11	D <b>11B</b>	1/85-6/86	4	2.977	<b>MS-1428A</b>	<b>TW-1417A</b>	<b>CB-1401A</b>	<b>SH-1417B</b>	<b>PB-1417J</b>
	D <b>13B</b>	9/84-6/86	4	3.431	11701-56010 11701-56020	11011-56010 11011-56020 11011-56011	13041-58010 13202-58010	11802-56020	90999-73099 90999-73122 90999-73133
12	D <b>11B</b>	6/86-8/88	4	2.977	<b>MS-1428A</b>	<b>TW-1417A</b>	<b>CB-1401A</b>		
	D <b>13B</b>	6/86-8/88	4	3.431	11701-56010 11701-56020	11011-56010 11011-56020 11011-56011	13041-58010 13202-58010	11802-56021	
13	D <b>13B-T</b>	9/84-4/88	4	3.431	<b>MS-1428A</b>	<b>TW-1417A</b>	<b>CB-1401A</b>	<b>SH-1417B</b>	<b>PB-1401J</b>
					11701-56010 11701-56020	11011-56010 11011-56020 11011-56011	13041-58010 13202-58010	11802-56020 (9/84-6/86)	90999-73088 90999-73132
14	D <b>13B-T</b>	4/88-3/89	4	3.431	<b>MS-1428A</b>	<b>TW-1417A</b>	<b>CB-1429A</b>		
					11701-56010 11701-56020	11011-56010 11011-56020 11011-56011	13041-56040 13041-58032 13041-58031 13041-58020	11802-56021 (4/88-8/88)	90999-73088 90999-73132
					<b>MS-1429A</b>			<b>SH-1428B</b>	
					11701-56040 (9/1988- )			11802-56030 (8/88-3/89)	90999-73100



Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
20	D <b>1DZ</b> Forklift	1990-	4	2.486	<b>MS-1446A</b> 11701-78200 11701-78201 11701-78202	<b>TW-1436A</b> 11011-78200 11011-17010 90-98	<b>CB-1446A</b> 13041-78200		
21	G <b>1E</b>	10/1984-	4	999	<b>MS-1415A</b> 11701-10010	<b>TW-1415A</b> 11011-10010 11011-10011 11011-10020	<b>CB-1415A</b> 13041-10020		
	G <b>2E</b>	10/1984-	4	1.295					
	G <b>4E</b>	1991-	4	1.331					
22	G <b>3E</b>	5/1985-	4	1.456	<b>MS-1424A</b> 11701-11010 11701-11011 11701-11012	<b>TW-1424A</b> 11011-11020	<b>CB-1424A</b> 13041-11020 13041-11010		
	G <b>5E</b>	1991-	4	1.496					
23	G <b>F</b> Land Cruiser	1954-9/73	6	3.878	<b>MS-1007GP</b> 11702-60012 11702-60010 11702-60020		<b>CB-1123A</b> 13202-60010 13202-60011	<b>SH-1123B</b> 11802-60010 11802-60011	
24	G <b>F</b>	9/73-9/75	6	3.878	<b>MS-1123A</b> 11702-60013 11702-76009 11704-60013 11705-60013 11706-60013		<b>CB-1123A</b> 13202-60011 13202-76006 13204-60011 13205-60011 13202-60010	<b>SH-1123B</b> 11802-61010 11802-60011 11802-76009	
	G <b>2F</b>	4/75-11/84	6	4.230					

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
25	G <b>3F</b> Land Cruiser	1984-	6	3.955	<b>MS-1413A</b> 11704-61010 11705-61010 11706-61010 (NO.1)11701-61010 (NO.2)11701-61010 (NO.3)11701-61010 (NO.4)11703-61010 (NO.1)11701-76001 (NO.2)11701-76001 (NO.3)11702-76001 (NO.4)11703-76001	<b>TW-1413A</b> 11011-61010 11011-76007	<b>CB-1413A</b> 13041-35020 13041-76006 13041-76009 13204-61020 13205-61020	<b>SH-1123B</b> 11802-61010 11802-76009	<b>PB-1413J</b> 90999-73072
26	G <b>1FZ-FE</b> Land Cruiser	1990-	6	4.476	<b>MS-1438A</b> 11701-66020 11701-66021 11701-66030	<b>TW-1438A</b> 11011-66020	<b>CB-1438A</b> 13041-66020 13041-66030		<b>PB-1438J</b> 90999-73135
27	G <b>1G</b> Cressida Crown Celica Soarer Mark II	2/82-2/85	6	1.988	<b>MS-1402A</b> 11701-88300 11701-70012 11701-70011 11701-63021 11701-88360	<b>TW-1402A</b> 11011-70010	<b>CB-1402GP</b> 13041-70010 13041-88300		<b>PB-1402J</b> 90999-73070
28	G <b>1G</b> Cressida Crown	2/1985-	6	1.988	<b>MS-1420A</b> 11071-88340 11701-88341	<b>TW-1402A</b> 11011-70010	<b>CB-1402GP</b> 13041-70010 13041-88300  <b>CB-1433A</b> 13041-70020 13041-70021 13041-88301 88-ON		<b>PB-1402J</b> 90999-73070  <b>PB-1420J</b> 90999-73107 (For 1G-GT)  <b>PB-1433J</b> 90999-73113

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
29	G <b>1G-GTE</b> Cressida	10/1985-	6	1.988	<b>MS-1433GP</b> (F)11071-88340 (I.R)11701-88340/1	<b>TW-1402A</b> 11011-70010	<b>CB-1402GP</b> 13041-88340 (10/85-7/88)  <b>CB-1433A</b> 13041-88341 (8/1988-)		<b>PB-1420J</b> 90999-73107 (10/85-7/88)  <b>PB-1433J</b> 90999-73113 (8/1988-)
30	D <b>H</b> Dyna Forklift Coaster	2/69-8/80 11/79-4/82	6 6	3.576 3.980	<b>MS-1427A</b> 11702-47011 11702-47010 11702-47012 11702-76005 11702-68020	<b>TW-1063B</b> 11011-46020 11011-46010 11011-76006 11011-68010	<b>CB-1403A</b> 13041-68020 13202-47011 13202-76004	<b>SH-1063B</b> 11802-46010 11802-76009  <b>SH-1080B</b> 11802-48010 11802-76009 (7/1972-)	<b>PB-1080J</b> 90999-70048 90999-73083 90999-73069
31	D <b>2H</b> Dyna Coaster Land cruiser	4/82-10/85	6	3.980	<b>MS-1427A</b> 11702-76005 11702-47012 11702-47011 11702-47010	<b>TW-1063B</b> 11011-46020 11011-68010 11011-76006	<b>CB-1080A</b> 13202-47011 13202-76004 (4/82-11/84)	<b>SH-1403B</b> 11802-68010 11802-76009 11802-68011	<b>PB-1403J</b> 90999-73087
32	D <b>2H</b> Dyna Coaster Land cruiser	10/85-9/91	6	3.980	<b>MS-1427A</b> 11702-76005 11702-47012 11702-47011 11702-47010	<b>TW-1427B</b> 11011-68020 11011-76008	<b>CB-1403A</b> 13041-68040 13041-76012	<b>SH-1403B</b> 11802-88011 11802-76009 11802-68011	<b>PB-1403J</b> 90999-73087

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
33	D <b>12H-T</b> Coaster Land cruiser	10/85-9/87	6	3.980	<b>MS-1427A</b> (No.1)11701-68020 (No.2)11071-68020 (No.1)11702-68020 (No.2)11071-68020	<b>TW-1427A</b> 11011-68020	<b>CB-1403A</b> 13041-68040 13041-68020 13202-47011 (10/85-9/87) <b>CB-1427A</b> 13041-68050 (10/1987-)	<b>SH-1403B</b> 11802-68011 11802-68010	<b>PB-1427J</b> 90999-73108
34	D <b>1HZ</b>	1/1990-	6	4.163	<b>MS-1436A</b> 11701-17010	<b>TW-1436A</b> 11011-17010	<b>CB-1436A</b> 13041-17010	<b>SH-1436B</b> 11801-17010	<b>PB-1436J</b> 90999-73126 FOR 1HZ
	D <b>1HZ-T</b> Coaster	1/1990-	6	4.163					
	D <b>1HD-T</b> Land cruiser	1/1990-	6	4.163					
35	D <b>J</b>	1965-69	4	2.336	<b>MS-1063GP</b> 11702-48010 11702-46010 11702-76006	<b>TW-1063B</b> 11011-46020 11011-46010 11011-76006	<b>CB-1137A</b> 13202-46010 13202-48010 13202-76005	<b>SH-1063B</b> 11802-46010 11802-76005 <b>SH-1080B</b> 11802-48010 11802-76006 (7/72-11/75)	<b>PB-1063J</b> 90999-70048 90999-73069 90999-73083
	D <b>2J</b>	2/69-11/75	4	2.481					
	G <b>5P</b>	7/72-11/75	4	2.771					
	Dyna Toyoace Forklift Shovel								
36	D <b>2J</b>	11/75-9/91	4	2.481	<b>MS-1137GP</b> 11702-48011 11702-48012 11702-76007 11702-76008	<b>TW-1063B</b> 11011-46020 11011-46010 11011-76006	<b>CB-1137A</b> 13202-46010 13202-48010 13202-76005	<b>SH-1080B</b> 11802-48010 11802-76006	<b>PB-1063J</b> 90999-70048 90999-73069 90999-73083
	D <b>2J-T</b>	5/1982	4	2.481					
	G <b>5P</b> Dyna Toyoace	11/75-10/85	4	2.771					

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
37	G <b>1JZ</b>	1991-	6	2.491	<b>MS-1434A</b> 11701-46010 11701-46020 11071-46020	<b>TW-1434A</b> 11011-46030	<b>CB-1434GP</b> 13041-46011 13041-46012 13041-46013		90999-73128
	G <b>2JZ</b>	1991-	6	2.997					
	Crown Soarer Progres								
38	G <b>K</b>	10/66-7/77	4	1.077	<b>MS-1056GP</b> 11702-22020 11702-22010	<b>TW-1056B</b> 11011-22011 11011-22010	<b>CB-1056GP</b> 13202-13010 13202-22010	<b>SH-1056B</b> 11802-13020 11802-22010 11802-22011	<b>PB-1056J</b> 90999-73070 90999-70063 90999-73060
	G <b>2K</b>	4/69-8/82	4	993					
	G <b>3K</b>	8/69-8/82	4	1.166					
	G <b>4K</b>	2/78-8/82	4	1.290					
Corolla									
39	G <b>2K</b>	8/82-9/86	4	993	<b>MS-1416A</b> 11701-13011 11701-13010 11701-76001	<b>TW-1056B</b> 11011-22011 11011-76001 11011-11010	<b>CB-1416A</b> 13041-13040 13041-76001 13202-13010 <b>CB-1447A</b> 13041-16090 13281-16090 For 7K	<b>SH-1056B</b> 11802-22011 11802-13020 11802-76001 11802-22010	<b>PB-1056J</b> 90999-73070 90999-70063 90999-73060
	G <b>3K</b>	8/82-10/83	4	1.166					
	G <b>4K</b>	8/82-8/90	4	1.290					
	G <b>5K</b>	9/1985-	4	1.486					
	G <b>7K</b>			1.762					
Startlet Townace Corolla Liteace									
40	D <b>1KZ-TE</b>	1993-	4	2.982	<b>MS-1452A</b> 11701-67020/21 11704-67020 11705-67020	<b>TW-1452A</b> 11011-67020 11012-67020 11013-67020	<b>CB-1452A</b> 13041-67030/31 13204-67030 13205-67030		90999-73136
	Hiace								
	Land cruiser Hilux surf								

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
41	D <b>L</b>	10/77-2/82	4	2.188	<b>MS-1161A</b> 11702-54010	<b>TW-1161A</b> 11011-54010 11011-54020	<b>CB-1161A</b> 13202-54010 13202-54011 13202-54012	<b>SH-1161A</b> 11802-54010	<b>PB-1063J</b> 90999-73083 90999-73069
	D <b>L</b>	2/82-4/83	4	2.188	<b>MS-1161A</b> 11702-54010	<b>TW-1161A</b> 11011-54010	<b>CB-1406A</b> 13041-54012	<b>SH-1161A</b> 11802-54010	<b>PB-1063J</b> 90999-73083
	D <b>2L</b>	2/82-8/83	4	2.446	<b>MS-1161A</b> 11701-54040	<b>TW-1161A</b> 11011-54020	<b>CB-1406A</b> 13041-54011	<b>SH-1161A</b> 11802-54010	<b>PB-1063J</b> 90999-73069
43	D <b>2L</b>	8/82-8/83	4	2.446	<b>MS-1161A</b> 11702-54010	<b>TW-1161A</b> 11011-54010	<b>CB-1411A</b> 13041-54040	<b>SH-1161A</b> 11802-54010	<b>PB-1411J</b> 90999-73094
	D <b>2L-T</b>	8/82-4/83	4	2.446	<b>MS-1161A</b> 11701-54040	<b>TW-1161A</b> 11011-54020	<b>CB-1411A</b> 13041-54041	<b>SH-1161A</b> 11802-54010	<b>PB-1411J</b> 90999-73118
44	D <b>L</b>	4/83-8/88	4	2.188	<b>MS-1406A</b> 11701-54060	<b>TW-1161A</b> 11011-54010	<b>CB-1406A</b> 13041-54013	<b>SH-1161A</b> 11802-54010	<b>PB-1063J</b> 90999-73083
	D <b>2L</b>	8/83-7/88	4	2.446	<b>MS-1406A</b> 11701-54061	<b>TW-1161A</b> 11011-54020	<b>CB-1406A</b> 13041-54012	<b>SH-1161A</b> 11802-54010	<b>PB-1063J</b> 90999-73069
45	D <b>L</b>	8/1988	4	2.188	<b>MS-1406A</b> 11701-54060	<b>TW-1161A</b> 11011-54010	<b>CB-1406A</b> 13041-54024	<b>SH-1431A</b> 11802-54020	<b>PB-1406J</b> 90999-73114
	D <b>2L</b>	8/1990	4	2.446	<b>MS-1406A</b> 11701-54061	<b>TW-1161A</b> 11011-54020	<b>CB-1406A</b> 13041-54024	<b>SH-1431A</b> 11802-54020	<b>PB-1406J</b> 90999-73114
46	D <b>2L-T</b>	8/83-8/88	4	2.446	<b>MS-1406A</b> 11701-54060 11701-54061	<b>TW-1161A</b> 11011-54010 11011-54020	<b>CB-1411A</b> 13041-54040 13041-54041	<b>SH-1161A</b> 11802-54010	<b>PB-1411J</b> 90999-73094 90999-73118
	D <b>2L-T</b>	8/83-8/88	4	2.446	<b>MS-1406A</b> 11701-54060 11701-54061	<b>TW-1161A</b> 11011-54010 11011-54020	<b>CB-1411A</b> 13041-54040 13041-54041	<b>SH-1161A</b> 11802-54010	<b>PB-1411J</b> 90999-73094 90999-73118
47	D <b>2L-T</b>	8/1988-	4	2.446	<b>MS-1406A</b> 11701-54060	<b>TW-1161A</b> 11011-54010	<b>CB-1411A</b> 13041-54041	<b>SH-1431A</b> 11802-54020	<b>PB-1431J</b> 90999-73115
	D <b>3L</b>	8/1988-	4	2.779	<b>MS-1406A</b> 11701-54060	<b>TW-1161A</b> 11011-54010	<b>CB-1411A</b> 13041-54041	<b>SH-1431A</b> 11802-54020	<b>PB-1431J</b> 90999-73115
	D <b>5L</b>	1988-	4	2.985	<b>MS-1406A</b> 11701-54061	<b>TW-1161A</b> 11011-54020	<b>CB-1411A</b> 13041-54040	<b>SH-1431A</b> 11802-54020	<b>PB-1431J</b> 90999-73115



Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
53	D <b>1N</b>	12/1986-	4	1.453	<b>MS-1449A</b>	<b>TW-1056B</b>	<b>CB-1449A</b>		<b>PB-1449J</b>
	D <b>1N-T</b> Starlet,Prius Prius Corolla	5/1988-	4	1.453	11701-55020 11701-55010	11011-22011	13041-55020 13041-55010		90999-73109
54	G <b>1NZ-FE</b>		4	1.496	<b>MS-1456A</b>	<b>TW-1457A</b>	<b>CB-1456A</b>		
	G <b>2NZ</b>		4		11702-21020 11702-21020	11791-22020	13202-21030		
55	D <b>1PZ</b> Land cruiser	1/1990-	5	3.469	<b>MS-1439A</b> 11701-17010	<b>TW-1436A</b> 11011-17010	<b>CB-1439A</b> 13041-17010	<b>SH-1436A</b> 11801-17010	<b>PB-1439J</b> 90999-73126
56	G <b>3P</b>	5/67-8/81	4	1.345	<b>MS-1062GP</b>	<b>TW-1005B</b>	<b>CB-1062GP</b>	<b>SH-1062B</b>	<b>PB-1062J</b>
	G <b>4P</b> Hiace Toyoace Forklift	9/71-8/88	4	1.493	11702-23011 11702-23010 11702-76001	11011-23010 11011-20010 11011-76002	13202-23012 13202-23011 13202-23010 13202-76001	11802-23010 11802-76002 11802-20010	90999-73059 90999-70001
57	G <b>2R</b>	10/68-11/75	4	1.490	<b>MS-1060A</b>	<b>TW-1007A</b>	<b>CB-1035A</b>	<b>SH-1060B</b>	<b>PB-1035J</b>
	G <b>12R</b> Corona Hilux Townace	10/68-9/88	4	1.587	11702-31020 11702-31011	11011-31030 11011-31020 11011-31010/1	13202-31020 13202-31010 13202-31011	11802-31010	90999-73027
58	G <b>5R</b> Crown Dyna Coaster	2/67-10/70	4	1.994	<b>MS-1011GP</b> 11702-40020 11702-40010 11701-40020	<b>TW-1006B</b> 11011-45010 11011-43010 11011-40010	<b>CB-1046A</b> 13202-44012 13202-44011 13202-44010	<b>SH-1107B</b> 11802-40010	<b>PB-1046J</b> 90999-73064 90999-73044
59	G <b>5R</b> Crown Dyna Coaster	10/70-8/78	4	1.994	<b>MS-1107GP</b> 11702-44020 11702-76002		<b>CB-1046A</b> 13202-44012 13202-44011 13202-44010 13202-76002 13202-76003	<b>SH-1007B</b> 11802-40011 11802-76003	<b>PB-1046J</b> 90999-73064 90999-73044

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
60	G <b>5R</b> Crown Dyna Coaster	8/1978-	4	1.994	<b>MS-1159GP</b> 11702-44040 11702-44021 11702-76003 11702-76004	<b>TW-1133K</b> 11011-35011 11011-38010 11011-76004 11011-76005 11011-35010 11011-33010	<b>CB-1046A</b> 13202-44040 13202-44012 13202-76002 13202-76003	<b>SH-1007B</b> 11802-40011 11802-76003	<b>PB-1046J</b> 90999-73064 90999-73044
	G <b>6R</b>	9/68-7/73	4	1.707	<b>MS-1052GP</b>	<b>TW-1133K</b>	<b>CB-1133GP</b>	<b>SH-1068A</b>	<b>PB-1068J</b>
	G <b>7R</b>	9/68-7/73	4	1.591	11702-33012	11011-35010	13202-33010	11802-33010	90999-73072
	G <b>8R</b>	9/68-7/73	4	1.858		11011-38010	13202-33011		90999-73048
61	G <b>16R</b>	8/73-11/82	4	1.808		11011-33010			
	G <b>18R</b>	1/72-10/83	4	1.968	<b>MS-1094GP</b>				
	G <b>19R</b> Corona Cressida	1975-1977	4	1.968	11702-33011 (Flange type)				<b>DB-1152B</b> 11022-33010 11022-33011
62	G <b>20R</b>	1/74-3/82	4	2.189	<b>MS-1133GP</b>	<b>TW-1133K</b>	<b>CB-1133GP</b>		<b>PB-1068J</b>
	G <b>21R</b>	8/78-3/82	4	1.972	11702-38010	11011-38010	13202-33010		90999-73072
	G <b>22R</b>	8/77-3/82	4	2.366		11011-35010 11011-33010	13202-33011		90999-73048
63	G <b>20R</b>	3/82-4/82	4	2.189	<b>MS-1405GP</b>	<b>TW-1133K</b>	<b>CB-1133GP</b>		<b>PB-1068J</b>
	G <b>21R</b>	3/82-8/84	4	1.972	11702-38011	11011-38010	13202-33010		90999-73072
	G <b>22R</b>	3/82-8/84	4	2.366	11701-35030	11011-35010 11011-33010	13202-33011 13202-38011		90999-73048
64	G <b>21R</b>	8/84-8/88	4	1.972	<b>MS-1405GP</b>	<b>TW-1405K</b>	<b>CB-1133GP</b>		<b>PB-1068J</b>
	G <b>22R</b>	8/1984-	4	2.366	11702-38011 11701-35030	11011-35020	13041-35030		90999-73072

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
65	G <b>1RZ</b>	8/89-	4	1.989	<b>MS-1435A</b>	<b>TW-1435A</b>	<b>CB-1435A</b>		<b>PB-1435J</b>
	G <b>2RZ</b>	8/89-	4	2.438	11701-75021	11011-75010	13041-75010		90999-73125
	G <b>3RZ</b> Land cruiser Regius Hiace Hilux		4	2.693	11071-75021 11701-75020 (F.R)11701-75010 (I)11071-75010				90999-73129
66	G <b>1S</b>	3/82-8/88	4	1.832	<b>MS-1404A</b>	<b>TW-1441A</b>	<b>CB-1404A</b>		
	G <b>2S</b>	8/82-8/86	4	1.995	11701-88360	11011-25010	13041-63020		
	G <b>3S</b> Celica Camry Carina	6/84-8/86	4	1.998	11701-63021 (F.I.R)11701-63021 (C) 11071-63020 (F.I.R)11701-70012 (C) 11071-63020	11011-74020			
67	G <b>3S</b>	8/86-7/90	4	1.998	<b>MS-1404A</b>	<b>TW-1441A</b>	<b>CB-1404A</b>		<b>PB-1441J</b>
	G <b>4S</b> Ipsum	4/1987-	4	1.838	11701-88360 11701-63021 (F.I.R)11701-63021 (C) 11071-63020 (F.I.R)11701-70012 (C) 11071-63020	11011-25010 11011-74020	13041-63020		90999-73112
68	G <b>3S</b>	8/1986	4	1.998	<b>MS-1404A</b>	<b>TW-1441A</b>	<b>CB-1419A</b>		<b>PB-1441J</b>
	G <b>5S</b> Ipsum Townace Liteace Vista		4	2.164	(F.I.R)11701-88342 (C) 11071-88360	11011-25010 11011-74020	13041-88360 13041-74010		90999-73112 90999-73106
69	G <b>3S</b>	1985-	4	1.998	<b>MS-1404A</b>	<b>TW-1441K</b>	<b>CB-1441GP</b>		<b>PB-1441J</b>
	G <b>5S</b> Camry Rv4	1985-	4	2.164	(F.I.R)11701-88342 (C) 11071-88360	11011-74020	13041-74030 13041-74040		90999-73112 90999-73106

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
70	G <b>1SZ-FE</b> Vitz Platz		4	997	<b>MS-1450A</b> 11701-23020	<b>TW-2510A</b> 11011-87202  (same as Daihatsu ED)	<b>CB-1450A</b> 13041-23020		
71	G <b>T</b> G <b>2T</b> Carina Celica	1970-71 1970-71	4 4	1.407 1.588	<b>MS-1104GP</b> 11702-25011 11702-27011 11702-25020 11702-25010		<b>CB-1117GP</b> 13202-25010 13202-88260 13202-18030	<b>SH-1104B</b> 11802-25010 11802-25011	
72	G <b>T</b> G <b>2T</b> G <b>3T</b> G <b>12T</b> G <b>13T</b>	9/71-8/79 9/71-10/82 3/77-10/82 1/76-8/82 11/77-8/82	4 4 4 4 4	1.407 1.588 1.770 1.588 1.770	<b>MS-1117GP</b> 11702-25012 11702-25013	<b>TW-1117K</b> 11011-25010	<b>CB-1117GP</b> 13202-25010 13202-88260	<b>SH-1104B</b> 11802-25010 11802-25011	
73	G <b>2T-G</b> Carina Celica Corolla	9/71-8/85	4	1.588	<b>MS-1117GP</b> 11702-88260 11702-88261 11702-25012 11702-25013 11702-27012 11702-27013	<b>TW-1117K</b> 11011-25010	<b>CB-1117GP</b> 13202-25010 13202-88261 13202-88260 (9/71-9/82)  <b>CB-1422GP</b> 13202-88281 (9/82-8/85)		
74	G <b>3T</b> G <b>12T</b> G <b>13T</b>	10/82-10/83 8/82-11/84 8/82-11/84	4 4 4	1.770 1.588 1.770	<b>MS-1117GP</b> 11702-25013 11702-25012	<b>TW-1117K</b> 11011-25010	<b>CB-1422GP</b> 13041-18011 13041-18010 13041-88281	<b>SH-1104B</b> 11802-25011 11802-25010	
75	G <b>3T-GEU</b> G <b>3T-GTEU</b> G <b>4T-GTEU</b>	9/82-8/85 9/82-8/85 10/82-8/93	4 4 4	1.770 1.770 1.770	11701-88280	<b>TW-1117K</b> 11011-25010	13041-88281		

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
76	G <b>2TZ-FE</b> Carina Celica Corolla	1990-	4	2.438	<b>MS-1435A</b> 11701-75010 (F.R)11701-75010 (I)11071-75010	<b>TW-1435A</b> 11011-75010	<b>CB-1435A</b> 13041-75010		<b>PB-1435J</b> 90999-73125 90999-73129
77	G <b>1UZ</b> <b>1UZ-FE</b> Celsior LS400	8/1989-	V8	3.968	<b>MS-1440GP</b> 11701-50010 11071-50010	<b>TW-1440A</b> 11011-50010	<b>CB-1440GP</b> 13041-50020		
78	G <b>1VZ-FE</b> Camry	1987-	V6	1.992	<b>MS-1423GP</b> 11701-62020 11701-62021 11701-62011	<b>TW-1423K</b> 11011-62010	<b>CB-1423GP</b> 13041-62010		
79	G G G <b>2VZ-FE</b> <b>3VZ-FE</b> <b>4VZ-FE</b> Camry Lexus Septer	1988- 1987- 1987-	V6 V6 V6	2.507 2.959 2.496	<b>MS-1423GP</b> 11701-62020 11701-62021 11071-62011 11701-62022 11071-62020 11701-62010 11071-62010	<b>TW-1423K</b> 11011-62010	<b>CB-1445GP</b> 13041-62020		<b>PB-1445J</b> 90999-73130 (3VZ-FE only)
80	G <b>3VZ-E</b> Hilux Camry	1987-	V6	2.959	<b>MS-1437GP</b> 11071-65010 11701-62022 11701-65010 11071-62022 11071-65011 11701-62021 11071-65011 11701-62021 11071-65010	<b>TW-1423K</b> 11011-62010	<b>CB-1437GP</b> 13041-65010 13041-65011 13041-65020		

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
81	G <b>5VZ-FE</b> Tacoma	1994-	V6	3.378	<b>MS-1437GP</b> 11071-65010 11071-62022	<b>TW-1423GP</b> 11011-62010	13041-62030		90999-73130
82	G <b>1Y</b> G <b>2Y</b> G <b>3Y</b> G <b>4Y</b> Liteace Townace Hilux	10/82-8/88 12/1982 12/1982 8/1986	4 4 4 4	1.626 1.812 1.998 2.237	<b>MS-1407A</b> 11701-71020 11701-76013	<b>TW-1117K</b> 11011-25010 11011-76003	<b>CB-1407A</b> 13041-71011 13041-71021 13041-71020 13041-76014 13041-76021 13041-76016 13204-71011 13205-71011	<b>SH-1407B</b> 11802-71010 11802-76011	
83	D <b>1W</b>	1983-	4	4.009	<b>MS-2109GP</b> 11701-78010	<b>TW-2109GP</b> 11011-78010	<b>CB-2109GP</b> 13041-78010	<b>SH-2109B</b> 11801-78010	<b>PB-2109J</b> 90999-73095 90999-73110
84	D <b>1Z</b> Forklift	1990-	4	2.953	<b>MS-1426A</b> 11701-78300	<b>TW-1426A</b> 11011-78300	<b>CB-1137A</b> 13281-68020 13041-76012 13041-76014 13041-76013	11802-78300  11802-78301	90384-32951 90384-32950
85	D <b>2Z</b> Forklift	1990-	4	2.953	11701-78700	<b>TW-1426A</b> 11011-78300	<b>CB-1137A</b> 13281-68020 13041-76012		
86	D <b>11Z</b>	1990-	6	4.429	<b>MS-1443A</b> 11701-78300	<b>TW-1426A</b> 11011-78300	<b>CB-1403A</b> 13041-76012 13041-76013 13041-76014	11802-78330	90384-32951 90384-32950

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
87	G <b>1ZZ-FE</b> <b>2ZZ-FE</b>	1998-99	4	1.794	<b>MS-1457A</b> 11701-22010 11071-22010 11701-0D010 11701-22020	<b>TW-1457A</b> 11791-22020 11011-22020	<b>CB-1457A</b> 13041-22020 13041-22021 13041-22022 13041-22023		<b>PB-1457J</b> 90999-73140



# GM BRAZIL INDUSTRIAL

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
1	LG1 GAS <b>ASM 2.4L 146 CID</b> Marine Industrial Lift Truck LG1 2.4L Vortex	2005-2008	4	2400 cc (146 c.i.)	<b>MS-3030A</b> 93209477		<b>CB-3030A</b> 93250872		

Group No.	Engine Model	Year	No. Cyl.	Cubic disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
1	G <b>G4AJ</b>	1986-94	4	1,468	<b>MS-1169A</b>		<b>CB-1169A</b>		
	G <b>G4DJ</b>	1990-	4	1,468	21020-21124		20360-21124		
	G <b>4G15</b> EXCEL SCOUPE	1986-88	4	1,468	MD147999 MD030573		MD030516 <b>CB-1825A</b> MD143090		
2	G <b>G4CN</b>	1992-95	4	1,836	<b>MS-1821A</b>		<b>CB-1085A</b>		
	G <b>G4CP</b>	1994-96	4	1,997	21020-32884		MD002843		
	G <b>G4CS</b>	1989-92	4	2,350	4156348		23060-33030		
	G <b>G4CR</b> H100 PONY LANTRA SONATA	1991-92	4	1,596	MD091399				
3	G <b>4G51</b> <b>H120</b> GRACE		4		<b>MS-6010A</b> 21020-42030		<b>CB-6010A</b> 23610-42000		
4	G <b>G4AE</b>		4	1,468	<b>MS-1828A</b> MD174857 MD174858	<b>TW-1828A</b> MD17462	<b>CB-1829GP</b> MD177046		
5	G <b>G4GM 1.8</b> ELANTRA COUPE	1995-	4	1,795	<b>MS-6009GP</b> 21020-23140	<b>TW-6009A</b> 21030-23000	<b>CB-6009GP</b> 23060-23140		
6	G <b>G4EK</b> EXCEL GETZ ACCENT	1994-	4	1,495  1,300	<b>MS-6007A</b> 21020-26040 (SAME U/L) <b>MS-6002A</b> 21020-22541	<b>TW-6007A</b> 21030-26040	<b>CB-6007A</b> 23060-26040		
	G <b>G4CM</b> LANTRA		4	1,600	<b>MS-6018AA</b> 21020-23901	<b>TW-6018A</b> 21030-23901	<b>CB-6018A</b> 23060-23902		
8	G <b>SANTRO</b> <b>ATOS</b>		4	1,000 1,110	<b>MS-6020A</b> 21020-02540  <b>MS-6021A</b> 21020-02740 21020-02591 (SAME U/L)	<b>TW-6020A</b> 21030-02740	<b>CB-6020A</b> 23060-02700 23060-02500 20360-02592		

# HYUNDAI

Group No.	Engine Model	Year	No. Cyl.	Cubic disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
9	G <b>G6AT</b> <b>G6AV</b> SONATA GRANDER MARCIA	1990-	6	2,972	<b>MS-1822A</b> MD105269 MD197608	<b>TW-1822GP</b> MD128659 MD116890	<b>CB-1822A</b> MD105277		
10	G <b>D3EA</b>		4		<b>MS-6035A</b> 21020-27900		<b>CB-6035GP</b> 23060-27900		
11	D <b>4D30</b> <b>4D31</b>	1990-	4		<b>MS-6034GP</b> 21211-41000	<b>TW-6034J</b>	<b>CB-6034GP</b> 23611-41000		
12	D <b>6D16</b>	1987-	6		<b>MS-1145GP</b> ME031078		<b>CB-1820GP</b> ME032016		
13	D <b>6D22A</b>	1979-	6		<b>MS-6037GP</b> 30909-00010		<b>CB-6037GP</b> 30919-02101		

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
1	G <b>Festiva</b>	1996-	4	1,498	<b>MS-5105A</b>	<b>TW-5105A</b>	<b>CB-5105A</b>		
	G <b>Avella</b>	1996-	4	1,498	KK1Y0-11-SGO	KK1Y0-11-SJO	KK1Y0-11-SEO		
	G <b>Pop</b>	1996-	4	1,498					
2	G <b>BP</b>	1989-	4	1,840	<b>MS-5822A</b>	<b>TW-5105A</b>	<b>CB-5105A</b>		
	G <b>B6</b> Sephia	1985-	4	1,597	B6Y1-11-SGO	B6Y0-11-SJO	B6Y0-11-SEO		B660-11-213
3	G <b>Concord</b> 1.8L 2.0L		4		<b>MS-5111A</b> F801-23-105		<b>CB-5112A</b> FEYA-11-SEO		
4	D <b>Besta</b> <b>2000D</b> <b>2200D</b>		4	1,486	<b>MS-5015A</b> K7Y0-11-SGO	<b>TW-5015A</b> K7Y0-11-SJO	<b>CB-5111A</b> K7Y0-11-SEO		
5	D <b>K3500</b>		4		<b>MS-5360A</b> K4Y0-11-SGO	<b>TW-5360A</b> K4Y0-11-SJO	<b>CB-5370A</b> K4Y0-11-SEO		
	D <b>E3000</b>								
6	D <b>HI Besta</b>		4		<b>MS-5360A</b> OVNY1-11-SGO	<b>TW-5360A</b> OK4Y0-11-SJO	<b>CB-5360A</b> OVNY1-11-SEO		OVNY1-11-213
7	D <b>Prejio</b>		4		<b>MS-5000A</b> OVNY1-11-SHO	<b>TW-5000A</b> OVNY1-11-SJO OK7Z0-11-SJO	<b>CB-5000A</b> OVNY1-11-SFO PLAIN		OK65A-11-213
8	D <b>J2</b>		4	3,000	<b>MS-5005A</b>	<b>TW-5005A</b>	<b>CB-5360A</b>		
	D <b>J3-T</b> Carnival Prejio 3.0		4		OK5Z1-11-SGO OK6Z2-11-SGO	OK6Z2-11-SJO <b>TW-5360A</b> OK4Y0-11-SJO	OK5Z1-11-SEO OK6Z1-11-SEO ONE HOLE		OK72A-11-213
9	G <b>Sephia</b> USA		4		<b>MS-5007A</b> OK2Y2-11-SGO OK2Y2-11-SHY	<b>TW-5007A</b> OK2Y2-11-SJO	<b>CB-5007A</b> OK2Y3-11-SGO OK2Y3-11-SFY		
10	D <b>WL</b> Bongo		4 4		<b>MS-5010A</b> WLY1-11-SGO	<b>TW-5010A</b> WLY1-11-SJO	<b>CB-5010A</b> WLY1-11-SEO		

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
1	D <b>2D92</b>	1972-73	2	1,300	<b>MS-2605GP</b> 6140-21-8010 6140-21-8020 6141-21-8000 6141-21-8010 6142-21-8010 6142-21-8010	<b>TW-1125K</b> 6140-21-8050	<b>CB-2605GP</b> 6140-21-3410 6140-31-3040 6140-31-3410		<b>PB-2605J</b> 6140-31-3131
	D <b>2D92-1</b>	1974-81	2	1,300					
	D <b>2D94-1</b>	1978-79	2	1,470					
	D <b>2D94-2</b>	1979-	2	1,470					
2	D <b>3D94-2</b>	1983-	3	2,210	6141-21-8010 6142-21-8010	<b>TW-1125K</b> 6140-21-8050	6140-31-3040 6140-31-3410	<b>SH-1125K</b> (NO1)6142-22-1410 (NO2)6142-22-1420 (NO3)6142-22-1430	<b>PB-2605J</b> 6140-31-3131
	D <b>3D95S-W-1</b>	1986-	3	2,020	6204-21-8010	<b>TW-2607K</b> 6204-21-8050	6204-21-3400	6204-21-1410 6206-21-1410 6206-21-1420 6206-21-1430	6204-31-3130
4	D <b>4D92</b>	1972-73	4	2,610	<b>MS-1125GP</b> 6140-21-8010 6140-21-8000 6140-21-8020 6141-21-8000 6141-21-8010	<b>TW-1125K</b> 6140-21-8050	<b>CB-1125GP</b> 6140-31-3040 6140-31-3410	<b>SH-1125K</b> (NO1)6142-22-1410 (NO2)6142-22-1420 (NO3)6142-22-1430	<b>PB-1125J</b> 6140-31-3131
	D <b>4D92-1</b>	1974-80	4	2,940					
5	D <b>4D94-2</b>	1978-	4	2,940	6142-22-8010 6144-21-8000				<b>BB-1125J</b> 6141-21-1430
	D <b>4D95L</b>	1984-	4	3,260	<b>MS-2608GP</b> 6204-21-8010	<b>TW-2607K</b> 6204-21-8500	<b>CB-2608GP</b> 6204-31-3400 6204-31-3410	<b>SH-2608K</b> 6204-21-1410 6206-21-1410 6206-21-1420 6206-21-1430	<b>PB-2608J</b> 6204-31-3130 6207-31-3130 6206-31-3130
D <b>4D95S</b>	1987-	4	2,690						

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
6	D <b>4D105</b>	1981-85	4	4,330	<b>MS-2604GP</b>	<b>TW-2601K</b>	<b>CB-2604GP</b>	<b>SH-2604J</b>	<b>PB-2604J</b>
	D <b>S4D105-T</b>	1981-85	4		6134-21-8000 6136-21-8010 6134-21-8010	6134-21-8050 6136-21-8050	6136-21-3040 6136-31-3040 6136-31-3410	6136-21-1410 (NO.1~3)	6136-32-3130
	<b>4D105</b>	1972-73	4	3,980	6134-22-8000 6136-22-8010 (1986-)		6138-31-3040 6138-31-3410 (1986-)		
	<b>4D105-1</b>	1974-76		4,330					
	<b>4D105-3</b>	1977-80		3,980	6130-21-8000	6130-21-8500	6130-31-3040	6130-21-1410(NO.1)	6130-31-3130
	<b>S4D105</b>	1972-73		4,330	6130-21-8100	6130-21-8510	6130-31-3041	6130-21-1420(NO.2)	
	<b>S4D105-1</b>	1974-76			6131-21-8000			6130-21-1430(NO.3)	
	<b>S4D105-3</b>	1978-80							
7	D <b>4D120</b>	-1980	4	7,240	<b>MS-1067GP</b>	<b>TW-1067BC</b>	<b>CB-1067GP</b>		<b>BB-1067K</b>
	D <b>4D130</b>	1977-81	4		6112-23-8000	6112-23-8550	6110-30-3500		6110-23-1442
	D		4		6110-23-8010	6112-23-8550(F)	6112-30-3414	6110-23-1410	
	D		4	8,495	6112-23-8070	6112-23-8540(R)	6114-30-3500		
					6110-20-8070		6114-31-3400		
					6110-20-8010		6114-31-3410		
					6110-20-8011		6110-31-3414		B6110-33-3120
					6110-20-8400(R)		6110-31-3400		
					6110-20-8800(F)		6112-30-3500		
					6110-20-8900(I)		6112-30-3410		
				6114-20-8010		6112-33-3410			
				6112-23-8400(R)					
				6112-23-8800(F)					
				6112-23-8900(I)					
8	D <b>4D155-4</b>	-1979	4	12,840	<b>MS-1132GP</b>	<b>TW-1127AS</b>	<b>CB-1132GP</b>		
	D <b>S4D155-4</b>	-1979	4		6127-21-8011	6127-21-8511	6127-31-3040		6127-31-3130
					6127-21-8022	6127-21-8050	6127-31-3042		6127-31-3031
					6125-21-8081	6127-21-8051			6127-31-3131
					6125-21-8071				
				6125-21-8070					
				6125-21-8000					

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing					
9	D <b>6D95L-1</b>	1986-	6	4,890	<b>MS-2607GP</b>	<b>TW-2607K</b>	<b>CB-2607GP</b>	<b>SH-2607J</b>	<b>PB-2607J</b>					
	D <b>S6D95L-1</b>	1986-	6							6204-21-8100	6204-21-8050	6204-31-3400 6204-31-3410 6207-31-3300	6204-21-1410 6204-21-1420 6206-21-1430 6206-21-1420 6206-21-1410	6204-31-3130 6206-31-3130 6207-31-3130
10	D <b>6D105</b>	1979-	6	6,490	<b>MS-2601GP</b>	<b>TW-2601K</b>	<b>CB-2601GP</b>	<b>SH-2601J</b>	<b>PB-2610J</b>					
	D <b>S6D105</b>	1979-	6							6136-21-8000	6136-21-8050	6136-31-3040	6136-21-1410	6136-32-3130
	D <b>S6D105-T</b>	1981-	6	6136-21-8010		6136-21-3040	6136-21-1400	<b>PB-2601J</b>						
	D <b>6D110</b>	1983-85	6	7,130			6136-31-3410		6136-31-3130					
	D <b>S6D110-T</b>	1986-	6				(PLAIN)							
	D <b>SA6D110-T</b>	1981-	6				<b>CB-2603GP</b>							
					6136-22-8000 6136-22-8010		6138-31-3040 (U/L HOLE)							
						<b>CB-2610GP</b>								
						6136-32-3040 6136-32-3410(U) 6136-32-3420(L) (U/GROOVE) (L/PLAIN)		6138-31-3133						
11	D <b>6D125</b>	1984-	6	11,040	<b>MS-2612GP</b>	<b>TW-2612K</b>	<b>CB-2612GP</b>	<b>SH-2612J</b>	<b>PB-2612J</b>					
	D <b>S6D125-T</b>	1984-	6							6150-21-8000	6150-21-8050	6150-31-3040	6150-21-1490	6150-31-3130
	D <b>SA6D125</b>	1984-	6							6150-21-8010 6150-21-8310		6150-31-3440 6151-31-3400		

Group No.	Engine Model	Year	No. Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	CAMSHAFT Bearing	PISTON PIN Bushing
12	D <b>6D130</b>	-1985	6	12,170	<b>MS-1077GP</b>	<b>TW-1077AS</b>	<b>CB-1077GP</b>	<b>SH-1077J</b>	<b>PB-1077J</b>
	D <b>NH220</b>	-1986	6	12,170	6610-21-8010 6610-21-8070 6710-21-8000 6610-21-8020(F) 6610-21-8030(I)	6610-21-8051 6610-21-8050	6610-31-3040 6610-31-3041 6610-31-3411	6610-21-1040 (6610-21-1410) NO.1 (6610-21-1420) NO.2~7	6610-31-3120 6620-31-3120
	D <b>NT855</b>	1979-85	6	14,140	6610-21-8040(R)			(100670)	
	D <b>NTA855</b>	1979-85	6					(157870)	6710-31-3120
13	D <b>S6D140-T</b>	1985-	6	15,200					
	D <b>SA6D140-T</b>	1985-	6		6210-21-8010 6210-21-8000	6210-21-8050	6210-31-3040 6210-31-3041	6210-21-1490	
14	D <b>6D155</b>	1971-78	6	19,260	<b>MS-1127GP</b>	<b>TW-1127SA</b>	<b>CB-1127GP</b>	<b>SH-1127J</b>	<b>P1-1127J</b>
	D <b>S6D155-T</b>	1971-85	6		6127-21-8000	6127-21-8511	6127-31-3041	6127-21-1410	6127-31-3130
	D <b>SA6D155-T</b>	1976-80	6		6127-21-8001 6127-21-8002 6127-21-8071 6127-21-8011 6127-21-8022		6127-31-3042	6127-21-1420	6127-31-3131 <b>BB-1127J</b> 6127-21-1490
15	D <b>S6D170-T</b>	1984-	6	23,150	<b>MS-2606GP</b>	<b>TW-2606GP</b>	<b>CB-2606GP</b>	<b>SH-2606J</b>	<b>PB-2606J</b>
	D <b>SA6D170-T</b>	1984-	6		6162-23-8000 6162-23-8010	6162-23-8210	6162-33-3040	6162-23-1490 NO.1~7	6162-33-3130
16	D <b>6D108</b>		6		<b>MS-2621GP</b>	<b>TW-2621GP</b>	<b>CN-2621GP</b>	<b>SH-2621J</b>	<b>PB-2621J</b>
	D <b>6D108-T</b> <b>SA6D108-T</b>		6		6221-21-8010	6221-21-8050	6221-31-3040	6221-21-1410	6221-31-3130

Group No.	Engine Model	Year	No. of Cyl.	Displacement	MAIN Bearing	THRUST Washer	CON. ROD Bearing	PISTON PIN Bushing
1	<b>B6000</b> <b>ZL600</b>		1 1					
2	<b>ER17</b> <b>ER20</b> <b>ER100</b> <b>ER220</b> <b>ER2200</b>		1 1 1 1 1				14311-2231	
3	<b>ER50</b> <b>ER50N</b> <b>GA80</b>		1 1 1				14351-2231	
4	<b>ER8</b> <b>ER65</b> <b>ER65N</b> <b>GA90</b> <b>GA100</b>		1 1 1 1 1				14301-2231	
5	<b>ET70</b> <b>ET80</b> <b>ER600</b> <b>ER700</b> <b>KND70A</b> <b>KND80A</b> <b>RK80</b> <b>RK95</b>		1 1 1 1 1 1 1 1				14911-2231	
6	<b>ET90</b> <b>ET95</b> <b>ET100</b> <b>ER9</b> <b>ER900</b> <b>RK105</b> <b>RK125</b>		1 1 1 1 1 1 1				14921-2231  14921-2231	
7	<b>KND3</b> <b>KND3R</b> <b>ER40</b> <b>GA70</b>		1 1 1 1				14111-22314	
8	<b>KND5</b> <b>KNDR5</b>		1 1					
9	<b>KND5B</b> <b>KND45</b> <b>KND55</b> <b>KND65</b> <b>KNRD55</b>		1 1 1 1 1				14109-2231	

Group No.	Engine Model	Year	No. of Cyl.	Displacement	MAIN Bearing	THRUST Washer	CON. ROD Bearing	PISTON PIN Bushing
10	<b>KND70A</b> <b>KND90</b> <b>ER900</b> <b>ER130</b>		1 1 1 1				14118-2231	
11	<b>L1501</b> <b>L1801</b> <b>L2201</b> <b>ZB650</b>		1 1 1 1				15521-2231	
12	<b>L240</b> <b>L3500</b>		1 1		(B5710-20KG)			
13	<b>L40</b>		1					
14	<b>L60</b>		1					
15	<b>RK50</b> <b>RK60</b> <b>RK70</b> <b>RD65</b>		1 1 1 1				11131-22310	
16	<b>ZB500</b> <b>ZB600</b>		1 1		15274-23471  15274-23481  15275-23491		15531-22311	

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Group No.	Engine Model	Year	No. of Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	PISTON PIN Bushing
1	<b>NM45</b> <b>NM55</b> <b>M4</b>		1 1 1					
2	<b>NM65</b>		1					
3	<b>NM75</b>		1					
4	<b>NM85</b> <b>NM90</b> <b>NM110</b>		1 1 1					
5	<b>NM130</b> <b>M11</b>		1 1					
6	<b>NM150</b> <b>NM180</b> <b>M14</b> <b>M16</b> <b>M18</b>		1 1 1 1 1					
7	<b>NM240</b> <b>NM260</b>		1 1				ME032417	
8	<b>GA150</b>		1					
9	<b>SD4</b>		1					
10	<b>SD6</b>		1					
11	<b>SD8</b>		1					
12	<b>L240</b> <b>L3500</b>		1 1					

Group No.	Engine Model	Year	No. of Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	PISTON PIN Bushing
1	<b>EM</b>		1				<b>C1-9000GP</b> 120220-23300	
2	<b>F4</b> <b>D4</b>		1 1				<b>C1-9004GP</b> 102100-23341 101101-23300	
3	<b>F5</b> <b>D5</b>		1 1				<b>C1-9005GP</b> 102200-23341 121201-23300	
4	<b>F6</b> <b>D6</b>		1 1				<b>C1-9006GP</b> 102300-23341	
5	<b>F7</b> <b>D7</b>		1 1				<b>C1-9007GP</b> 121701-23300	
6	<b>F8</b> <b>D8</b>		1 1				<b>C1-9008GP</b> 102400-23341	
7	<b>F9</b>		1				<b>C1-9009GP</b> 130500-23341	
8	<b>F10</b> <b>D10</b> <b>TD95C</b> <b>NT95K</b>		1 1 1 1				<b>C1-9010GP</b> 102501-23341	
9	<b>SA70</b> <b>TA70</b> <b>A6</b> <b>A7</b>		1 1 1 1				<b>C1-9060GP</b> 104200-23340	
10	<b>SA80</b> <b>TA80</b> <b>A8</b> <b>A10</b>		1 1 1 1				<b>C1-9080GP</b> 105430-23300	
11	<b>TF45</b> <b>TF50</b>		1 1				<b>C1-9045GP</b> 705090-23600	
12	<b>TF55</b> <b>TF60</b>		1 1				<b>C1-9055GP</b> 705100-23600	
13	<b>TF75</b> <b>TF85</b>		1 1				<b>C1-9076GP</b> 705300-23600	

Group No.	Engine Model	Year	No. of Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	PISTON PIN Bushing
14	<b>TF105</b> <b>TF115</b> <b>TF120</b>		1 1 1				<b>C1-9115GP</b> 705500-23599 705600-23600	
15	<b>TF140</b> <b>TF160</b>		1 1				<b>C1-9140GP</b> 705700-23600 705800-23600	
16	<b>TF270</b>		1				<b>C1-9270GP</b> 705900-23600	
17	<b>TS50</b>		1				<b>C1-9050GP</b> 104100-23340	
18	<b>TS60</b>		1				<b>C1-9060GP</b> 104200-23340	
19	<b>TS70</b> <b>TS80</b>		1 1				<b>C1-9070GP</b> 103288-23300	
20	<b>TS105</b>		1				<b>C1-9105GP</b> 103338-23300	
21	<b>TS130</b>		1				<b>C1-9130GP</b> 103748-23340	
22	<b>TS155</b> <b>TS180</b> <b>NS13</b> <b>NS18</b> <b>NS130</b> <b>NS180</b>		1 1 1 1 1 1				<b>C1-9155GP</b> 104705-23340	
23	<b>TS220</b>		1				<b>C1-9220GP</b> 106990-23340	
24	<b>TS230</b>		1				<b>C1-9230GP</b> 105990-23300	
25	<b>TS900</b>		1				<b>C1-9900GP</b>	
26	<b>2H95K</b>		1				<b>C1-9096GP</b>	

Group No.	Engine Model	Year	No. of Cyl.	Cubic Disp.	MAIN Bearing	THRUST Washer	CON. ROD Bearing	PISTON PIN Bushing
27	<b>2HS66</b>		1				<b>C1-9066GP</b>	
28	<b>2S</b>		1				<b>C1-9002GP</b>	
29	<b>2T75K</b>		1		<b>MS-9075GP</b> S1220026 (B7010-26KG)		<b>C1-9077GP</b> 124060-23300	
30	<b>3TDL</b> <b>3TZ</b>		3 3		<b>M1-9003GP(L)</b> 123340-02880/90 <b>M1-9003GP(M)</b> 123340-02800/10 <b>M1-9003GP(U)</b>		<b>C1-9003GP</b> 723340-2360	
31	<b>2TE</b> <b>3TE</b>		2 3		<b>M1-9004GP(F)</b> 123460-02110 <b>M1-9004GP(C)</b> 123460-02100 <b>M1-9004GP®</b> 123460-02120		<b>C1-9004GP</b> 123220-23300	
32	<b>3T72HL</b>		1				<b>C1-9072GP</b>	
33	<b>3T75K</b>		1				<b>C1-9075GP</b> 721550-23600	
34	<b>3T90A</b>		1				<b>C1-9090GP</b> 124450-23600	
35	<b>3T95</b>		1				<b>C1-9095GP</b>	

# NDC® ENGINE BEARINGS

1700 NW 93 AVE., DORAL, FL. 33172, USA  
TEL. 305 592 6086, FAX 305 592 7516  
Email: info@ndcenginebearing.com

Technical updated information available upon request.

## ENGINE SHOP MANUAL

Dimensions mm.  
Maximum / Minimum Tolerances  
Maximum Housing Bore  
Maximum Shaft Diameter  
Maximum Bearing Wall Thickness  
Maximum Bearing Length  
Oil Clearance  
Torque m.kg  
OEM Std Size Number

### **IMPORTANT NOTICE**

THE PURPOSE OF THIS CATALOG IS TO FURNISH OUR CUSTOMERS WITH AS A COMPLETE A LISTING OF  
THEIR PARTS REQUIREMENTS AS POSSIBLE.  
ALL LISTINGS, APPLICATIONS, AND INTERCHANGES HAVE BEEN COMPILED AS CAREFULLY AS POSSIBLE  
WITH ALL AVAILABLE INFORMATION; WE CANNOT ASSUME ANY RESPONSIBILITY FOR POSSIBLE  
ERRORS IN LISTINGS, APPLICATIONS, OR INTERCHANGE.  
ALL REFERENCES TO ORIGINAL MANUFACTURER'S TRADE NAMES AND PART NUMBERS ARE FOR IDENTIFICATION  
ONLY. THIS CATALOG SUPERSEDS ALL PREVIOUS CATALOGS AND LISTINGS.



# NDC ENGINE BEARINGS

## ENGINE MANUFACTURER

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# DAEWOO

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM Std Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>TICO</b> 3 cyl	<b>TW-2403A</b> (90-ON)	T.W. No.3	(I.D.)52.0	(O.D.)68.0	2.520	18.00	0.018-0.064	2.8-3.2	12340-82820
	<b>CB-2401A</b> (90-ON)	C.R. 1-6	38.000	41.018	1.493				12181-A81051
	<b>MS-2406A</b> (90-ON)								

# DAIHATSU

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM Std Set Number	
			Shaft Dia	Housing Bore	Wall Thickness					
<b>AB</b> 2 cyl. 71.6 x 68 547cc  <b>AD</b> 2 cyl. 76 x 88 617cc	<b>MS-2500A</b> (AB 76-84) (AD 74-82) <b>MS-2506A</b> (AB 84-86)	Main 1-3	41.990	46.024	1.990	19.50	0.030-0.064	5.4-6.6	11702-87701	
		Main 1-3	41.990	46.024	1.990	19.50	0.030-0.064	5.4-6.6	11702-87711	
	<b>TW-2500A</b> (ALL 76-86) <b>CB-2500A</b> (ALL 76-86) <b>BB-2500A</b> (ALL 76-86)	T.W. No. 2	48.250	62.000	1.990				11011-87701	
		C.R. 1-2	40.000	43.000	1.490	18.00	0.020-0.054	2.1-2.9	13202-87701	
		B.B. 1	44.960	48.025	1.508	17.00	0.030-0.086		11902-87701	
		B.B. 2	33.960	37.025	1.508	20.00	0.030-0.086			
<b>CB</b> 3 cyl. 76 x 73 993cc <b>CD</b> 3 cyl. 76 x 73 993cc <b>CL</b> 3 cyl. 76 x 73 993cc <b>CB-T</b> 3 cyl. 76 x 73 993 cc	<b>MS-2501A</b> (CB,CD,CL 77-84) <b>MS-2505A</b> (ALL 85-ON)	Main 1-4	41.990	46.024	1.990	19.50	0.030-0.064	5.4-6.6	11702-87703	
		Main 1-4	41.990	46.024	1.990	19.50	0.030-0.064	5.4-6.6	11702-87710	
	<b>TW-2500A</b> (ALL 77-ON) <b>CB-2501A</b> (CB,CD,CL 77-ON)	T.W. No. 3	47.990	(O.D.)62.0	1.990				11011-87701	
		C.R. 1-3	40.000	43.024	1.490	18.00	0.020-0.054	2.1-2.9	13202-87703	
	<b>CB-2509A</b> (CB-T 85-ON) <b>BB-2501A</b> (ALL 77-ON)	C.R. 1-3	42.970	46.020	1.494	20.10	0.020-0.054		13202-87707	
		B.B. 1	44.975	48.025	1.508	17.00	0.030-0.086		11902-87702	
			B.B. 2	33.975	37.025	1.508	20.00	0.030-0.086		
			B.B. 2	33.975	37.025	1.508	20.00	0.030-0.086		
	<b>DG</b> 4 cyl. 88 x 104 253cc	<b>MS-1158A</b> (78-90)	Main 1.3.5.	67.970	72.019	2.002	30.00	0.040-0.085	9.8-11.2	11702-87035
			2.4.	67.970	72.019	2.002	24.00	0.040-0.085		
Δ3(L)			67.970	72.019	2.002	37.90	0.040-0.085			
<b>TW-1098J</b> (68-77) <b>CB-1158A</b> (68-90) <b>SH-1158A</b> (82-90)		T.W. No. 3	(I.D.)76.0	(O.D.)94.0	2.980				5113-1394-0	
		C.R. 1-4	54.980	58.020	1.492	27.50	0.040-0.085	6.5-7.5	13202-87035	
<b>PB-1158J</b> (68-90)		Cam 1	45.975	50.025	2.000	23.00	0.024-0.099		11802-87380	
		Cam 2	45.675	50.025	2.150	25.00	0.024-0.099			
		Cam 3	45.375	50.025	2.300	23.00	0.024-0.099			
	P.B. 1-4	26.000	29.025	1.530	30.00	0.006-0.030		90043-84018		

# DAIHATSU

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM Std Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>DL</b> 4 cyl 92 x 104 2765cc  <b>DL-T</b> 4 cyl 92 x 104 2765cc	<b>MS-1158A</b> (82-87)	Main							11702-87305
		1.3.5.	67.970	72.019	2.002	30.00	0.040-0.086	9.8-11.2	
		2.4.	67.970	72.019	2.002	24.00	0.040-0.086		
	Δ3(L)	67.970	72.019	2.002	37.90	0.040-0.086			
	<b>MS-2502A</b> (87-ON)	Main							11702-87036
		1 (U)	67.970	72.020	2.005	34.00	0.040-0.086	9.8-11.2	
		2.3.4.5.	67.970	72.020	2.005	34.00	0.040-0.086		
	1.2.4.5.	67.970	72.020	2.005	34.00	0.040-0.086			
			Δ 3(L)	67.970	72.020	2.005	37.95	0.040-0.086	
	<b>CB-1158A</b> (82-ON)	C.R.							13202-87305
		1-4	54.980	58.020	1.492	27.50	0.040-0.085	6.5-7.5	
	<b>SH-1158A</b> (82-87)	Cam							
		1	45.975	50.025	2.000	23.00	0.024-0.099		
		2	45.675	50.025	2.150	25.00	0.024-0.099		
	<b>SH-2502A</b> (87-ON)	3	45.375	50.025	2.300	23.00	0.024-0.099		11802-81301
Cam									
1		46.575	50.620	2.000	22.00				
2		46.275	50.320	2.000	18.00				
3		45.975	50.020	2.000	18.00				
<b>PB-2502J</b> (82-87)	4	45.675	49.720	2.000	18.00			90043-84057	
	5	45.375	50.020	2.300	22.00				
	P.B.								
<b>PB-2511J</b> (87-ON)	1-4	26.000	29.025	1.530	30.00	0.005-0.030		90043-84086	
	1-4	28.000	31.000	1.530	30.00	0.005-0.030			
<b>ED</b> 3 cyl. 66.6 x 81 846cc	<b>MS-2510A</b> (85-ON)	Main						11702-87203	
		1-4	46.000	50.020	1.994	16.00			
	<b>TW-2510A</b> (85-ON)	T.W.	(I.D.)52.25	(O.D.)63.00	1.990			11011-87202	
<b>CB-2510A</b> (85-ON)	C.B.							11011-87203	
	1-3	40.00	43.000	1.994	16.00				
<b>HC-E</b> 4 cyl. 76 x 71.4 1296cc  <b>HD</b> 4 cyl. 76 x 87.6 1589cc	<b>MS-2511A</b> (88-ON)	Main						11701-87102	
		1-5	50.000	54.000	2.002	18.10			4.0-5.0
	<b>TW-2511A</b> (88-ON)	T.W.	(I.D.) 57.2	(O.D.) 76.4	2.490			11011-87101	
<b>CB-2511A</b> (88-ON)	P.B.							13041-87101	
	1-4	45.000	48.000	1.498	18.00		2.0-2.5		

# HINO

Engine, cyl. Bore-Stroke Cubic Disp.	NDC SET No. Year Mfr.	Position	Dimension STD Size Max.			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	O.E.M. STD Set Number	
			Shaft Dia	Housing Bore	Wall Thickness					
<b>DM100</b> 6 cyl. 90 x 113 4313cc	<b>MS-1059GP</b> (DM 63-78) (DQ 71-83)	Main								
		1.7	66.960	71.000	2.002	32.00	0.04-0.08	10.5-11.0	11701-1180	
		2.3.5.6.	66.960	71.000	2.002	23.50	0.04-0.08		11701-1190	
	<b>DQ100</b> 6 cyl. 92 x 113 4507cc	<b>TW-1059GP</b> (DM 63-78) (DQ 71-83)	4	66.960	71.000	2.002	36.00	0.04-0.08		
			T.W.	(I.D.)	(O.D.)					11011-1090
		No.4	73.5	91.2	2.495					
		<b>CB-1059GP</b> (DM 63-78) (DQ 71-83)	C.R.							13201-1150
			1-6	55.950	59.000	1.509	33.63	0.04-0.08	7.5-8.0	
		<b>SH-1059B</b> (DM 63-78) (DQ 71-83)	Cam							3252-1951
			1	54.970	58.030	1.500	35.00	0.03-0.12		3252-1955
2	53.970		57.030	1.500	32.00	0.03-0.12				
3	53.470		56.530	1.500	21.50	0.03-0.12				
4	52.970		56.030	1.500	32.00	0.03-0.12				
<b>PB-1059J</b> (DM 63-78) (DQ 71-83)	5	45.970	49.030	1.500	29.00	0.03-0.12				
	P.B.							13272-1130		
1-6	29.000	32.025	1.540	33.90	0.02-0.04					
<b>EB100</b> 6 cyl. 115 x 145 9036cc	<b>MS-1079GP</b> (67-ON)	Main								
		1.7	94.960	101.015	2.999	44.00	0.06-0.12	24.0-25.0	11701-1150	
		2.3.5.6.	94.960	101.015	2.999	34.00	0.06-0.12		11701-1161	
	<b>EB200</b> 6 cyl. 115 x 145 9036cc	<b>TW-1079BC</b> (67-77)	4	94.960	101.015	2.999	64.00	0.06-0.12		
			T.W.	(I.D.)	(O.D.)					11011-1060
		No.4	101.5	130.0	4.980					
		<b>TW-1120BC</b> (77-ON)	T.W.	(I.D.)	(O.D.)					11011-1171
	No.4		101.5	130.0	4.980					
	<b>EB300</b> 6 cyl. 120 x 145 9838cc	<b>CB-2100GP</b> (CB-1120GP) (67-ON)	C.R.							13201-1300
			1-6	74.970	81.015	2.999	46.00	0.04-0.09	16.0-17.0	
<b>SH-1079B</b> (67-ON)		Cam							2330-1905	
		1	63.070	68.030	2.450	50.00	0.03-0.10		2330-1909	
		2	62.770	68.030	2.600	40.00	0.03-0.10			
		3	62.370	68.030	2.800	40.00	0.03-0.10			
<b>EB400</b> 6 cyl. 120 x 145 9839cc	<b>PB-1079J</b> (67-77)	4	62.070	68.030	2.950	40.00	0.03-0.10			
		5	61.770	68.030	3.100	36.00	0.03-0.10			
	<b>PB-1120J</b> (77-ON)	P.B.							13272-1230	
1-6		43.000	49.025	3.040	42.25	0.03-0.05		13272-1100		
1-6	45.000	51.030	3.030	44.20	0.03-0.05					

# HINO

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number		
			Shaft Dia	Housing Bore	Wall Thickness						
<b>EH100</b> 6 cyl. 105 x 113 5871cc	<b>MS-1140GP</b> (72-85)	Main							11701-2171		
		1.7.	73.960	79.000	2.490	32.00	0.04-0.10	11.0-11.5			
	<b>EH300</b> 6 cyl. 108 x 113 6211cc	<b>TW-1081GP</b> (72-85)	2.3.5.6.	73.960	79.000	2.490	28.00	0.04-0.10		11011-1110	
			4	73.960	79.000	2.490	35.00	0.04-0.10		13201-1180	
		<b>CB-1165GP</b> (EH100 72-85)	T.W. No.4	(I.D.) 80.5	(O.D.) 98.4		2.510				
			C.R. 1-6	62.960	67.000	2.000	33.50	0.03-0.09	11.0-13.0		13201-1190
		<b>CB-1140GP</b> (EH300 74-80)	C.R. 1-6	644.960	69.000	2.000	33.60	0.03-0.09	14.0-16.0		13201-1261
			<b>CB-2101GP</b> (EH500 80-83) (EH700 77-83)	C.R. 1-6	64.960	69.000	2.000	33.60	0.03-0.09	16.5-18.5	
		<b>EH500</b> 6 cyl. 108 x 113 6211cc	<b>SH-1081B</b> (EH100/300 72-85)	Cam							2380-1905
				1	56.470	59.530	1.500	35.00	0.03-0.12		2380-1908
2	54.470			57.530	1.500	30.00	0.03-0.12				
3	53.870			56.930	1.500	30.00	0.03-0.12				
<b>EH700</b> 6 cyl. 110 x 113 6443cc	<b>SH-2101A</b> (EH500/700 77-83)	Cam							11812-1050		
		1	61.470	64.500	1.500	35.00					
		2	61.270	64.300	1.500	26.00					
		3	61.070	64.100	1.500	26.00					
		4	60.870	63.900	1.500	26.00					
		5	60.670	63.700	1.500	26.00					
		6	60.470	63.500	1.500	26.00					
<b>PB-1139J</b> (EH100 72-85)	P.B. 1-6	58.270	61.300	1.500	30.00				13271-1030		
		34.000	38.025	2.040	40.00	0.02-0.04					
<b>HO6C</b> 6 cyl. 108 x 118 6485cc	<b>MS-2108GP</b> (84-ON)	Main							11701-1661		
		1.4.7.	79.960	85.015	2.490	32.00	0.05-0.10	14.0-16.0			
	<b>HO7C</b> 6 cyl. 110 x 118 6728cc	<b>TW-2108K</b> (84-ON)	2.3.5.6.	79.960	85.015	2.490	28.00	0.05-0.10		11011-1270	
			T.W. NO.4	(I.D.) 85.0	(O.D.) 105.0		2.500				
		<b>SH-2108A</b> (84-ON)	Cam								
			1	61.470	64.530	1.500	35.00	0.03-0.11			
			2	61.270	64.330	1.500	26.00	0.03-0.11			
			3	61.070	64.130	1.500	26.00	0.03-0.11			
			4	60.870	63.930	1.500	26.00	0.03-0.11			
			5	60.670	63.730	1.500	26.00	0.03-0.11			
6	60.470		63.530	1.500	26.00	0.03-0.11					
<b>PB-2108J</b> (84-ON)	P.B. 1-6	60.270	61.330	2.500	30.00	0.03-0.11					
		39.000	43.025	2.000	(U) 31.00 (L) 39.80	0.015-0.040		13272-1270			

# HINO

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. Year Mfr.	Position	Dimension STD Size Max.			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	O.E.M. STD Set Number	
			Shaft Dia.	Housing Bore	Wall Thickness					
<b>WO4D</b> 4 cyl. 104 x 118 4009cc	<b>MS-2109GP</b> (83-ON)	Main	72.960 (I.D.)	78.000 (O.D.)	2.490	25.00	0.04-0.09	14.0-16.0	11701-1611	
		1-5							11011-1240	
	<b>TW-2109GP</b> (83-ON)	T.W. No.4	82.25	98.75	2.500					
	<b>CB-2109GP</b> (83-ON)	C.R.	61.960	66.000	1.995	28.00	0.03-0.08	11.5-13.5	13201-1430	
		1-4								
	<b>SH-2109B</b> (83-ON)	Cam	1	56.970	60.030	1.500	27.00	0.03-0.12	11802-1180	
			2	56.770	59.830	1.500	27.00	0.03-0.12		
			3	56.570	59.630	1.500	27.00	0.03-0.12		
	<b>PB-2109J</b> (83-ON)	P.B.	1-4	35.000	39.025	2.040	(U)30.00 (L)38.00	0.02-0.04	13272-1280	
<b>WO6D</b> 6 cyl. 104 x 113 5759cc	<b>MS-2110GP</b> (83-95)	Main	72.960	78.000	2.490	25.00	0.04-0.09	14.0-16.0	11701-1630	
		1-7							11011-1280	
	<b>TW-2109GP</b> (83-95)	T.W. No.4	82.25	98.75	2.500					
	<b>CB-2110GP</b> (83-95)	C.R.	61.960	66.000	1.995	28.00	0.03-0.08	11.5-13.5	13201-1450	
		1-6								
	<b>SH-2110B</b> (83-95)	Cam	1	56.970	60.030	1.500	27.00	0.03-0.12	11802-1120	
			2	56.770	59.830	1.500	27.00	0.03-0.12		
			3	56.570	59.630	1.500	27.00	0.03-0.12		
			4	56.370	59.830	1.700	27.00	0.03-0.12		
<b>PB-2110J</b> (83-95)	P.B.	1-6	35.000	39.025	2.040	(U)30.00 (L)38.00	0.02-0.04	13272-1280		

# HONDA

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>C25A</b> V6 84 x 75 2493cc	<b>MS-2210GP</b> (85-ON) <b>TW-2210GP</b> (85-ON)	Main 1-4	64.000	68.024	2.000	20.00	0.03-0.074	4.7-5.3	13321-PH7-013 13321-PH7-014 13331-PH7-003
		T.W. NO.4	(I.D.)75.25	(O.D.)94.00	2.500				
<b>C27A</b> V6 87 x 75 2675cc	<b>CB-2210GP</b> (85-ON)	C.R. 1-6	52.000	55.024	1.503	17.50	0.006-0.07	4.7-5.1	
<b>D12A</b> 4 cyl. 72 x 76 1237cc	<b>MS-2214A</b> (86-ON) <b>TW-1134GP</b> (86-ON)	Main 1-4	43.000	47.000	2.007	20.00			13321-PJ7-003 13331-PD-003
		T.W. NO.4	(I.D.)56.00	(O.D.)78.00	2.475				
<b>D13C</b> 4 cyl. 73.6 x 76 1296cc	<b>CB-2214GP</b> (86-ON)	C.R. 1-4	39.000	42.000	1.504	18.50			
<b>D13A</b> 4 cyl. 75 x 76 1343cc	<b>MS-2206GP</b> (86-ON) <b>TW-1134GP</b> (86-ON)	Main 1-4	45.000	49.024	2.001	20.00	0.002-0.07	4.2-4.8	13321-PE0-044 13331-PD1-003
		T.W. NO.4	(I.D.)56.00	(O.D.)78.00	2.475				
<b>D13B</b> 4 cyl. 75 x 76 1343cc	<b>CB-2204GP</b> (D13A/B/C/ 87-ON)	C.R. 1-4	40.000	43.024	1.500	18.50	0.02-0.04	2.6-3.0	
<b>D13C</b> 4 cyl. 73.6 x 76 1296cc	<b>CB-2205GP</b> (D15 87-91)	C.R. 1-4	42.000	45.024	1.500	18.50			13211-PE1-003
<b>D15</b> 4 cyl. 75 x 84.5 1493cc	<b>CB-2208GP</b> (D15 91-ON)	C.R. 1-4	45.000	48.024	1.504	18.50	0.008-0.07		13211-PG6-003
<b>D16</b> 4 cyl 75 x 90 1590cc	<b>MS-2208GP</b> (84-95) <b>TW-2208GP</b> (84-95)	Main 1-4	55.000	59.024	2.007	20.00	0.014-0.06	5.2-5.8	13321-PG6-003 13331-PG6-003
		T.W. NO.4	(I.D.)61.25	(O.D.)82.00	2.500				
<b>ZC</b> 4 cyl. 75 x 90 1590cc	<b>CB-2208GP</b> (84-95)	C.R. 1-4	45.000	48.024	1.504	18.50	0.008-0.07	3.0	

# HONDA

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>EB1</b> 4 cyl. 70 x 76 1169cc	<b>MS-1134GP</b> (72-87)	Main 1-5	50.000	54.024	2.010	20.00	0.03-0.06	3.7-4.3	13321-634-003
<b>EE</b> 4 cyl. 72 x 76 1238cc	<b>TW-1134GP</b> (72-87)	T.W. No.4	(I.D.)56.00	(O.D.)78.00	2.475				13331-634-003
<b>EC,ED</b> 4 cyl. 74 x 86.5 1488cc	<b>CB-1134GP</b> EB1,EE,EJ,EN (72-81)	C.R. 1-4	40.000	43.024	1.500	17.50	0.02-0.04	2.7-3.1	13211-PB9-003
<b>EF</b> 4 cyl. 74 x 93 1599cc	<b>CB-1142GP</b> EC,ED,EF,EK,EM, EP (72-82)	C.R. 1-4	42.000	45.024	1.500	17.50	0.02-0.04	2.7-3.1	13211-PC1-003
<b>EJ,EN</b> 4 cyl. 72 x 82 1335cc	<b>CB-2204GP</b> EV (83-87)	C.R. 1-4	40.000	43.024	1.500	18.50	0.02-0.04	2.6-3.0	13211-PE0-003
<b>EK</b> 4 cyl. 77 x 94 1750cc	<b>CB-2205GP</b> EW (83-87)	C.R. 1-4	42.000	45.024	1.500	18.50	0.02-0.08	2.6-3.0	13211-PE1-003
<b>EM,EW</b> 4 cyl. 74 x 86.5 1488cc									
<b>EP</b> 4 cyl. 77 x 86 1601cc									
<b>EV</b> 4 cyl. 74 x 78 1342cc									
<b>EV1</b> 4 cyl. 74 x 78 1342cc	<b>CB-2209GP</b>	C.R. 1-4	38.000	41.024	1.504	18.50			13211-PE0-661

# HONDA

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>ER</b> 4 cyl. 66 x 90 1231cc  <b>ER-T</b> 4 cyl. 66 x 90 1231cc	<b>MS-2206GP</b> (81-86) <b>TW-1134GP</b> (81-86)	Main 1-5	45.000	49.024	2.001	20.00	0.002-0.07	4.2-4.8	13321-PC0-003
		T.W. NO.4	(I.D.)56.00	(O.D.)78.00	2.475				13331-634-003
	<b>CB-1134GP</b> (ER-T 81-86) <b>CB-2206GP</b> (ER 81-85)	C.R. 1-4	40.000	43.024	1.500	17.50	0.02-0.04	2.7-3.1	13211-634-003
		C.R. 1-4	37.000	40.000	1.504				13211-PC0-004
<b>ES</b> 4 cyl. 80 x 91 1829cc  <b>ET</b> 4 cyl. 80 x 91 1829cc  <b>EY</b> 4 cyl. 80 x 79.5 1598cc	<b>MS-2200GP</b> (83-86)  <b>TW-1134GP</b> (83-86)	Main 1-5	50.000	54.024	2.010	20.00	0.03-0.10	6.3-7.3	13321-PC6-003
		T.W. NO.4	(I.D.)56.00	(O.D.)78.00	2.475				13331-634-003
	<b>CB-2200GP</b> (ES,ET 83-86)	C.R. 1-4	45.000	48.024	1.500	19.50	0.02-0.08	3.0-3.4	13331-679-003
		C.R. 1-4	42.000	45.024	1.500				13211-PC6-003
	<b>CB-2203GP</b> (EY 83-ON)	C.R. 1-4	42.000	45.024	1.500	17.50	0.02-0.04	2.6-3.0	13211-PD4-003
<b>F20A</b> 4 cyl. 85 x 88 1997cc  <b>F22</b> 4 cyl. 85 x 95 2156cc	<b>MS-2213GP</b> (89-ON)  <b>TW-2213A</b> (89-ON)	Main 1-5	50.000	54.000	2.000	20.00	0.020-0.054		13321-PT0-004
		T.W.	(I.D.)57.50	(O.D.)78.00	2.490				13331-PT0-003
	<b>CB-2213GP</b> (89-ON)	C.R. 1-4	48.000	51.000	1.500	19.50	0.013-0.087		13211-PH3-004

# ISUZU

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>3AE1</b> 3 cyl. 80 x 86 1296cc  <b>3AF1</b> 3 cyl. 76 x 86 1170cc	<b>MS-1602GP</b> (3AE1 80-ON)  <b>TW-1070GP</b> (ALL 80-ON)	Main 1.3.	69.932	74.000	2.015	26.63	0.020-0.074	16.0-18.0	5-11510-033
		2.4.	69.932	74.000	2.015	21.40	0.020-0.074		
	<b>MS-1602A</b> (3AE1 80-ON 3AF1 80-85)  <b>PB-1602J</b> (3AE1 80-ON) (3AF1 80-85)	T.W. No.2	(I.D.)78.0	(O.D.)93.0	2.480			9-11581-057	
		C.R. 1-3	48.937	52.000	2.013	22.00	0.025-0.081	7.8-8.2	5-12271-032
		P.B. 1-3	25.000	28.025	1.530	26.75	0.008-0.013	5-12251-007	
<b>4BD1</b> 4 cyl. 102 x 118 3856cc  <b>4BD1-T</b> 4 cyl. 102 x 118 3856cc  <b>UM4BD1</b> 4 cyl. 102 x 118 3856cc  <b>UM4BD1-T</b> 4 cyl. 102 x 118 3856cc	<b>MS-1604GP</b> (81-ON)	Main 1-5	79.925	85.019	2.518	26.68	0.039-0.098	23.0-25.0	5-11510-064
		3-L	79.925	85.019	2.518	26.68	0.039-0.098		
	<b>TW-1155GP</b> (81-ON)	T.W. No.4	(I.D.)88.0	(O.D.)101.0	2.500			5-11685-001 8-97071-358	
		C.R. 1-4	63.944	68.015	2.013	29.80	0.030-0.073	11.0-12.0	5-12271-010 8-97011-031
	<b>SH-1163B</b> (81-ON)	Cam 1	55.970	60.046	1.995	20.00	0.030-0.090	9-11691-048 9-11693-035	
		P.B. 1-4	35.000	38.025	1.530	38.00	0.012-0.025	5-12251-006	

# ISUZU

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>4BA1</b> 4 cyl 98 x 92 2775cc	<b>M1-1129GP</b> (4BA1 73-77) (4BB1 73-77)	Main 1-5	75.925	81.019	2.525	27.80	0.025-0.076	23.0-25.0	5-11510-002
<b>4BB1</b> 4 cyl 102 x 110 3595cc	<b>MS-1163GP</b> (4BA1 78-80) (4BB1 78-80) (4BC1 79-81)	Main 1.2.4.5. 3	75.925 75.925	81.019 81.019	2.525 2.525	27.80 27.80	0.025-0.076 0.025-0.076	23.0-25.0	5-11510-051
<b>4BC1</b> 4 cyl 102 x 100 3268cc	<b>MS-1603GP</b> (4BA1 85-96) (4BB1 85-96)	Main 1-5 3-L	75.925 75.925	81.019 81.019	2.525 2.525	27.80 27.80	0.025-0.075 0.025-0.075	23.0-25.0	5-11510-060
<b>4BC2</b> 4 cyl 102 x 100 3268cc	(4BC1 81-84) (4BC2 81-96) (4BC2F 83-94) (UM4BC2 83-94)								
<b>4BE1</b> 4 cyl 105 x 105 3636cc	(4BE1 85-96) (4BE1T 85-96)								
<b>4BE1-T</b> 4 cyl 105 x 105 3636cc	<b>TW-1129GP</b> (4BA1/2 78-85) (4BB1/2 78-85) (4BC112 78-85)	T.W. No.4	(I.D.)84.5	(O.D.)101.0	2.500				9-11585-601
<b>UM4BC2</b> 4 cyl 102 x 100 3268cc	<b>TW-1155GP</b> (4BA1 85-96) (4BB1 85-96) (4BC1 81-84) (4BC2 85-96) (4BE1 85-96) (4BE1T 85-96) (4DB1 86-97) (4BD2T 86-97)	T.W. No.	(I.D.)88.0	(O.D.)101.0	2.500				5-11685-001 8-97071-358
<b>4BD1</b>	<b>C1-1129GP</b> (ALL 73-96)	C.R. 1-4	63.944	68.015	2.013	29.80	0.030-0.073	11.0-12.0	5-12271-010 8-97011-031
<b>4BD2T</b>	<b>SH-1163B</b> (77-78)	Cam 1 2.3.	55.970 55.970	60.046 60.046	1.995 1.995	20.00 20.00	0.030-0.090 0.030-0.090		9-11691-048 9-11693-035
	<b>PB-1100J</b>	P.B. 1-4	33.000	36.025	1.530	38.00	0.012-0.025		9-12251-059
	<b>PB-1129J</b>	P.B. 1-4	33.000	38.025	2.530	38.00	0.012-00.025		9-12251-603
	<b>PB-1163J</b>	P.B. 1-4	35.000	38.025	1.530	38.00	0.012-0.025		5-12251-006

# ISUZU

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>4EC1/T</b> 4 cyl 76 x 82 1487cc	<b>MS-1624GP</b> (4EC1 85-ON)	Main 1-5	47.938	52.000	2.006	15.40	0.030-0.058	9.0	8-94151-600
	<b>MS-1625GP</b> (4EC1-T 85-ON)	Main 1-5	51.938	56.000	2.006	15.40	0.030-0.060	9.0	8-94154-014 8-94124-100
	<b>TW-1625GP</b> (85-ON)	T.W. No.2	(I.D.)59.0	(O.D.)69.95	2.210				8-94227-387
	<b>CB-1624A</b> (85-ON)	C.R. 1-4	45.945	49.000	1.506	16.70	0.025-0.058	2.5	8-94141-604 8-94314-253-0 8-94151-604 8-94251-216
	<b>PB-1624J</b> (4EC1 85-ON)	P.B. 1-4	22.000	25.025	1.540	23.75			
	<b>PB-1625J</b> (4EC1-T 85-ON)	P.B. 1-4							8-94114-054
<b>4FA1</b> 4 cyl 76 x 82 1487cc <b>4FB1</b> 4 cyl 84 x 82 1817cc <b>4FC1</b> 4 cyl 84 x 90 1995cc <b>4FE1</b> 4 cyl 73.6 x 82 1499cc <b>4FD1</b> 4 cyl 88 x 90 2189cc <b>4FG1</b> 4 cyl 89.3 x 95 2380cc	<b>MS-1616GP</b> (80-90)	Main 1-5	55.930	60.000	2.000	21.50	0.029-0.072	10.0-11.0	8-94220-838
		3L	55.930	60.000	2.000	21.50			
	<b>TW-1030GP</b> (80-82)	T.W. No.3	(I.D.)63.0	(O.D.)80.0	2.360				8-94210-750
		<b>TW-1616GPA</b> (82-90)	T.W. No.3	(I.D.)64.0	(O.D.)80.2	2.360			8-94250-265
	<b>CB-1616GP</b> (80-90)	C.R. 1-4	48.940	52.000	2.000	22.00	0.035-0.073	8.0-9.0	8-94221-167
		<b>SH-1166B</b> (80-90)	Cam 1-5	27.975	31.025	1.500	16.00	0.025-0.090	2.6
	<b>PB-1166J</b> (80-90)	P.B. 1-4	25.000	28.025	1.530	26.00	0.008-0.020		5-12251-007
		<b>PB-</b> (83-90)	P.B.						

# ISUZU

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number	
			Shaft Dia	Housing Bore	Wall Thickness					
<b>4JA1</b> 4 cyl 93 x 92 2499cc	<b>MS-1622GP</b> (4JA1 85-ON) <b>MS-1623GP</b> (4JB1 95-ON)	Main 1-5	59.932	64.000	2.005	23.00	0.035-0.080	17.0	8-94168-553	
		Main 1-5	69.932	74.000	2.005	23.00	0.035-0.080	17.0	8-94168-552	
	<b>TW-1622GP</b> (4JA1 85-ON)	T.W. No.3	(I.D.)73.0	(O.D.)87.0	2.480				8-94125-752	
	<b>TW-1070GP</b> (4JB1 85-ON)	T.W.							8-94130-923	
	<b>4JB1</b> 4 cyl 93 x 102 2771cc	<b>CB-1622GP</b> (85-ON)	No.3 C.R. 1-4	(I.D.)78.0	(O.D.)93.0	2.480	25.50	0.030-0.070	8.0-9.0	8-94125-747
			Cam 1 2.3.	49.975 49.975	54.035 54.035	2.025 2.025	25.00 22.00	0.025-0.085 0.025-0.085		8-94168-556
<b>PB-1622J</b> (85-ON)		P.B. 1-4	31.000	34.025	1.530	33.00	0.008-0.020		8-94247-968	
<b>4XC1/T</b> 4 cyl 77 x 79 1471cc	<b>MS-1621A</b> (85-90) <b>MS-1626GP</b> (90-ON) <b>TW-1621A</b> (85-90) <b>TW-1616A</b> (90-ON) <b>CB-1621A</b> (4XC1/T 85-ON)	Main 1-5	47.938	52.000	2.000	17.00	0.020-0.074	8.5-9.5	8-94151-527	
		Main							8-94360-465	
	T.W. No.3 T.W.	(I.D.)55.0	(O.D.)70.0	2.200					8-94257-903 8-94321-679	
	C.R. 1-4	39.945	43.000	1.500	17.00	0.021-0.064	3.3-3.7		8-94311-012	
	<b>CB-1626GP</b> (4XE1 88-ON)	C.R. 1-4	39.945	43.000	1.500	17.00	0.021-0.064	3.3-3.7	8-94481-860	
<b>4ZA1</b> 4 cyl 82 x 84 1584cc <b>4ZB1</b> 4 cyl 84 x 82 1817cc <b>4ZC1</b> 4 cyl 88 x 82 1994cc	<b>MS-1620GP</b> (81-ON) <b>TW-1616A</b> (81-ON)	Main 1-5	55.932	60.000	2.010	22.00	0.032-0.072	10.0	8-94251-263	
		T.W. No.3	(I.D.) 64.0	(O.D.) 80.2	2.360				8-94251-265	
	<b>CB-1620GP</b> (81-ON)	C.R. 1-4	48.940	52.000	1.513	21.50	0.025-0.065	4.3-4.7	8-94251-266	

# ISUZU

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>4ZE1</b> 4 cyl 92.6 x 95 2559cc	<b>MS-1627GP</b> (87-ON) <b>TW-1616A</b> (87-ON)	Main 1-5	55.932	60.000	2.010	22.00	0.028-0.086	10.0	8-94446-580-1
		T.W. No.	(I.D.)64.0	(O.D.)80.2	2.360				8-94251-265
	<b>CB-1627A</b> (87-ON)	C.R. 1-4	48.940	52.000	1.510	22.00	0.027-0.075	6.0	8-94440-093-2
<b>6BB1</b> 6 cyl 102 x 110 5393cc <b>6BD1</b> 6 cyl 102 x 118 5785cc <b>6BF1</b> 6 cyl. 102 x 118 5785cc <b>6BG1</b> 6 cyl 105 x 118 6130cc	<b>M1-1129GP</b> (72-76)	Main 1-7	75.925	81.019	2.525	27.80	0.025-0.076	23.0-25.0	9-11510-606
		Main 1-7	79.925	85.019	2.525	26.70	0.025-0.076	23.0-25.0	5-11510-048
	Main 1-7		79.925	85.019	2.525	26.70	0.025-0.076	23.0-25.0	1-11510-040 1-11510-072 9-11585-601
		T.W. No.4	(I.D.)84.5	(O.D.)101.0	2.500	26.68	0.032-0.087		
	<b>TW-1155GP</b> (76-ON) <b>C1-1129GP</b> (72-ON)	T.W. No.4	(I.D.)88.0	(O.D.)101.0	2.500	29.80	0.030-0.073	11.0-12.0	5-11685-001 8-97071-358 9-12271-608 8-97011-031
		C.R. 1-6	63.944	68.015	2.013				
	<b>SH-1129B</b> (72-ON)	Cam 1	2-6	55.970	60.046	1.995	20.00	0.030-0.090	9-11691-048
			P.B. 1-6	55.970	60.046	1.995	20.00	0.030-0.090	9-11693-035
			35.000	38.025	1.530	38.00	0.012-0.025	5-12251-006	
	<b>6SA1</b> 6 cyl 115 x 135 8413cc	<b>MS-1618GP</b> (85-ON) <b>TW-1618K</b> (85-ON)	Main 1-7	89.930	96.020	3.013	27.50	0.045-0.110	10.0-13.5
T.W. No.7			(I.D.) 101.25	(O.D.) 124.0	3.500	1-11599-007			
<b>CB-1618GP</b> (85-ON)		C.R. 1-6	77.914	84.000	3.013	27.50	0.040-0.106	4.0	1-12271-050

# ISUZU

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number			
			Shaft Dia	Housing Bore	Wall Thickness							
<b>C190</b> 4 cyl 86 x 84 1951cc	<b>MS-1138GP</b> (C190 71-83)	Main							5-11510-020			
		1.5.	59.932	64.000	2.013	31.00	0.034-0.099	16.0-18.0				
		2.4.	59.932	64.000	2.013	23.00	0.034-0.099					
	<b>C223</b> 4 cyl 82 x 92 2238cc	<b>MS-1605GP</b> (C223 80-83)	3	59.932	64.000	2.013	38.00	0.034-0.099	16.0-18.0	8-94104-726		
			Main									
			1.5.	59.932	64.000	2.015	27.50	0.034-0.099				
		<b>C223</b> 4 cyl 82 x 92 2238cc	<b>TW-1622GP</b> (71-83)	2.4.	59.932	64.000	2.015	23.00	0.034-0.099	7.8-8.2	5-12271-005	
				3	59.932	64.000	2.015	28.60	0.034-0.099			
				T.W.								
			<b>C223</b> 4 cyl 82 x 92 2238cc	<b>TW-1622GP</b> (71-83)	No.3	(I.D.)73.0	(O.D.)87.0	2.480			7.8-8.2	5-12271-005
					(TW-1031B)							
					<b>CB-1070GP</b> (71-83)	C.R.	52.930	56.000	1.513	22.50		
<b>C223</b> 4 cyl 82 x 92 2238cc				<b>SH-1070B</b> (C190 71-83)	1-4	52.930	56.000	1.513	22.50	0.029-0.082	7.8-8.2	5-11610-602
					Cam							
					1	47.975	52.035	2.010	25.00	0.019-0.088		
	<b>C223</b> 4 cyl 82 x 92 2238cc			<b>SH-1070B</b> (C190 71-83)	2	47.975	52.035	2.010	25.00	0.019-0.088	7.8-8.2	5-11610-602
					3	47.975	52.035	2.010	25.00	0.019-0.088		
					Cam							
		<b>C223</b> 4 cyl 82 x 92 2238cc		<b>SH-1605B</b> (C223 80-83)	1	47.975	52.035	2.025	22.00	0.019-0.088	7.8-8.2	5-11610-002
					2	47.975	52.035	2.025	22.00	0.019-0.088		
					3	47.975	52.035	2.025	22.00	0.019-0.088		
			<b>C223</b> 4 cyl 82 x 92 2238cc	<b>PB-1070J</b> (C190 71-83)	P.B.						7.8-8.2	9-12271-062
					1-4	27.000	30.025	1.530	34.00	0.008-0.020		
					P.B.							
<b>C223</b> 4 cyl 82 x 92 2238cc				<b>PB-1605J</b> (C223 80-83)	1-4	27.000	30.025	1.530	30.00	0.008-0.020	7.8-8.2	5-12251-005
					P.B.							
					1-4	27.000	30.025	1.530	30.00	0.008-0.020		
	<b>C221</b> 4 cyl 83 x 102 2207cc			<b>MS-1610GP</b> (68-85)	Main						16.0-18.0	5-11510-021
					1.5.	69.932	74.000	2.012	30.50	0.034-0.099		
					2.4.	69.932	74.000	2.012	21.40	0.034-0.099		
		<b>C221</b> 4 cyl 83 x 102 2207cc		<b>TW-1070GP</b> (68-85)	3	69.932	74.000	2.012	36.00	0.034-0.099	16.0-18.0	9-11581-057
					T.W.							
					No.3	(I.D.)78.0	(O.D.)93.0	2.480				
			<b>C221</b> 4 cyl 83 x 102 2207cc	<b>CB-1070GP</b> (68-85)	C.R.						7.8-8.2	5-12271-005
					1-4	52.930	56.000	1.513	22.50	0.029-0.082		
					P.B.							
<b>C240</b> 4 cyl 86 x 102 2369cc				<b>SH-1070B</b> (68-85)	Cam						7.8-8.2	9-11610-602
					1	47.975	52.035	2.010	25.00	0.019-0.088		
					2	47.975	52.035	2.010	25.00	0.019-0.088		
	<b>C240</b> 4 cyl 86 x 102 2369cc			<b>PB-1033J</b> (C221 68-79)	3	47.975	52.035	2.010	25.00	0.019-0.088	7.8-8.2	9-12251-061
					P.B.							
					1-4	25.000	28.000	1.545	34.00	0.008-0.020		
		<b>C240</b> 4 cyl 86 x 102 2369cc		<b>PB-1070J</b> (C240 EARLY)	P.B.						7.8-8.2	9-12251-062
					1-4	27.000	30.025	1.530	34.00	0.008-0.020		
					P.B.							
			<b>C240</b> 4 cyl 86 x 102 2369cc	<b>PB-1605J</b> (C240 LATE)	1-4	27.000	30.025	1.530	30.00	0.008-0.020	7.8-8.2	9-12251-005
					P.B.							
					1-4	27.000	30.025	1.530	30.00	0.008-0.020		

# ISUZU

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>C330</b> 4 cyl 98 x 110 3318cc	<b>M1-1129GP</b> (70-81)	Main 1-5	75.925	81.019	2.525	27.80	0.025-0.076	23.0-25.0	9-11510-167
	<b>TW-1100GP</b> (70-81)	T.W. No.4	(I.D.)84.0	(O.D.)101.0	2.980				9-11585-065
	<b>C1-1129GP</b> (70-81)	C.R. 1-4	63.944	68.015	2.013	29.30	0.030-0.073	10.3-10.8	9-12271-178 8-97011-031
	<b>SH-1100B</b> (70-76)	Cam 1-4	55.970	60.046	1.530	38.00	0.030-0.090		9-11691-048
	<b>SH-1163B</b> (77-81)	Cam 1	55.970	60.046	1.995	20.00	0.030-0.090		9-11691-048
	<b>PB-1100J</b> (70-73)	P.B. 1-4	33.000	36.025	1.530	38.00	0.012-0.025		9-11693-035
	<b>PB-1129J</b> (73-81)	P.B. 1-4	33.000	38.025	2.530	38.00	0.012-0.025		9-12251-059 9-12251-063
<b>D500</b> 6 cyl 98 x 100 4978cc	<b>M1-1129GP</b> (70-81)	Main 1-7	75.925	81.019	2.525	27.80	0.025-0.076	23.0-25.0	5-11510-041
	<b>TW-1100GP</b> (70-81)	T.W. No.4	(I.D.)84.0	(O.D.)101.0	2.980				9-11585-065
	<b>C1-1129GP</b>	C.R. 1-6	63.944	68.015	2.013	29.30	0.030-0.090	10.3-10.8	9-12271-178 9-12271-608
	<b>SH-1129B</b> (70-81)	Cam 1	55.970	60.046	1.995	20.00	0.030-0.090		9-11691-048
		2-6	55.970	60.046	1.995	20.00	0.030-0.090		9-11693-035
	<b>PB-1629J</b> (70-81)	P.B. 1-6	33.000	38.025	1.530	38.00	0.012-0.025		9-12251-059

# ISUZU

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>G130</b> 4 cyl 75 x 75 1325cc	<b>MS-1103GP</b> (66-85)	Main 1.3.5.	55.935	59.000	1.513	32.00	0.026-0.069	8.0-12.0	8-94215-641
	<b>TW-1030GP</b> (66-85)	2.4. T.W. No.3	55.935	59.000	1.513	21.00	0.026-0.069		8-94210-750
<b>G150</b> 4 cyl 49 x 75 1471cc	<b>CB-1032GP</b> (66-78)	C.R. 1-4	48.940	52.000	1.513	22.00	0.029-0.070	4.3-4.7	9-12271-143
	<b>CB-1628GP</b> (79-85) (CB-1103GP)	C.R. 1-4	48.940	52.000	1.513	22.00	0.029-0.070	4.3-4.7	8-94218-061
<b>G161</b> 4 cyl 82 x 75 1584cc	<b>SH-1032B</b> (Early except G200)	Cam 1-3	44.975	48.030	1.505	25.00	0.025-0.125		5-11611-002
<b>G180</b> 4 cyl 84 x 82 1817cc	<b>SH-1103B</b> (Late except G200)	Cam 1.2.3.5.	49.9750	48.030	1.505	22.00	0.019-0.080		9-11611-035
	<b>PB-1032J</b> (66-78)	4 P.B. 1-4	49.9750	48.030	1.505	18.00	0.019-0.080		9-12251-045
<b>G200</b> 4 cyl 87 x 82 1949cc			22.000	25.421	1.730	26.00	0.006-0.012		
<b>G200W</b> 4 cyl 87 x 82 1949cc	<b>MS-1620GP</b> (84-ON)	Main 1-5	55.935	60.000	2.010	22.00	0.032-0.072	10.0	8-94215-263
	<b>TW-1616A</b> (84-ON)	T.W. No.3	(I.D.)64.0	(O.D.)80.2	2.360				8-94250-265
	<b>CB-1620GP</b> (84-ON)	C.R. 1-4	48.940	52.000	1.513	21.50	0.019-0.072	6.0	8-94251-266

# MAZDA

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>B1</b> 4 cyl 68 x 78.4 1138cc	<b>MS-2008A</b> (85-86)	Main 1-5	49.950	54.018	2.000	17.50	0.024-0.042	5.5-6.0	B6Y0-11-SG0
<b>B3</b> 4 cyl 71 x 83.6 1323cc	<b>MS-2012A</b> (86-ON)	Main 1-5	49.956	54.018	2.013	17.5	0.018-0.074 0.018-0.074	5.5-6.0	B6Y1-11-SG0
<b>B5</b> 4 cyl 78 x 78.2 1498cc	<b>TW-2008A</b> (85-ON)	T.W. No.4	(I.D.)57.25	(O.D.)69.0	2.550				B6Y0-11-SG0
<b>B6</b> 4 cyl 78 x 83.6 1597cc	<b>CB-1168A</b> (B1/B3/B5 85-ON)	C.R. 1-4	39.955	43.016	1.513	17.00	0.021-0.068	3.5-4.0	B3Y0-11-SE0
<b>B6-T</b> 4 cyl 78 x 83.6 1597cc	<b>CB-2008A</b> (B6/B6T 85-ON)	C.R. 1-4	44.956	48.016	1.500	17.00	0.028-0.068	4.7	B6Y0-11-SE0
	<b>PB-2008J</b> (B6 85-86)	P.B. 1-4	19.993	23.000	1.543	21.80			B660-11-213
<b>E1</b> 4 cyl 70 x 69.6 1071cc	<b>MS-1168A</b> (E1/3/5 80-ON) (TC 78-86) (UC 78-ON)	Main 1-5	49.955	54.019	2.013	19.00	0.019-0.069	6.0-6.5	E301-23-151
<b>E3</b> 4 cyl 77 x 69.6 1296cc	<b>TW-1168A</b>	T.W.							8034-11-380
<b>E5</b> 4 cyl 77 x 80 1490cc	(E1/3/5 80-ON) (TC 78-86) (UC 78-ON)	1-5	(I.D.)57.0	(O.D.)69.0	2.010				
<b>TC</b> 4 cyl 73 x 76 1272cc	<b>CB-1168A</b> (E1/3/5 80 -ON) (TC 78-86) (UC 78-ON)	C.R. No.4	39.955	43.016	1.513	17.00	0.021-0.068	3.5-4.0	8936-23-105
<b>UC</b> 4 cyl 77 x 76 1415cc									

# MAZDA

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number	
			Shaft Dia	Housing Bore	Wall Thickness					
<b>F6</b> 4 cyl 81 x 77 1587cc  <b>F8</b> 4 cyl 86 x 77 1789cc  <b>FE</b> 4 cyl 86 x 86 1998cc  <b>FE-T</b> 4 cyl 86 x 86 1998cc  <b>F2</b> 4 cyl 86 x 94 2184cc	<b>MS-2004A</b> (F6/8/FE 82-87)	Main 1-5 Δ3(L)	59.955	64.019	2.013	19.00	0.017-0.071	8.4-9.4	F801-23-251	
			59.955	64.019	2.013	27.95	0.017-0.071			
	<b>MS-2009A</b> (87-98)	Main 1.2.4.5. 1-5(L) Δ3(U)	59.955	64.019	2.013	19.00	0.019-0.073	8.4-9.0	FE1H-11-SG0	
			59.955	64.019	2.013	19.00	0.019-0.073			
			59.955	64.019	2.013	27.95	0.019-0.073			
	<b>CB-2004A</b> (F6/8/FE 82-97)	C.R. 1-4	50.955	54.017	1.510	21.00	0.027-0.067	5.1-5.6	F801-23-105A	
			50.955	54.017	1.510	21.00	0.027-0.067			
	<b>CB-2009A</b> (FE/T/2 87-98)	C.R. 1-4	50.955	54.017	1.510	21.00	0.027-0.067	5.1-5.6	FEYA-11-SE0	
			50.955	54.017	1.510	21.00	0.027-0.067			
	<b>HA</b> 4 cyl 95 x 105 2977cc  <b>SL</b> 4 cyl 100 x 110 3455cc	<b>MS-1153GP</b> (77-92)	Main 1-5	75.825	80.092	2.103	28.60	0.055-0.114	11-11.7	SE01-23-110
		<b>TW-1135K</b> (77-92)	T.W.	(I.D.)84.5	(O.D.)101.4	2.325				1363-23-115
		<b>CB-1153GP</b> (77-92)	C.R. 1-4	61.125	64.846	1.836	28.50	0.036-0.088	7.6-8.3	1363-23-105
31.749				34.955	1.620	26.80	0.014-0.044			
<b>PB-1075J</b> (77-80)		P.B. 1-4	31.749	34.955	1.620	26.80	0.014-0.044		0636-11-213	
<b>PB-2005J</b> (HA 81-90)		P.B. 1-4	30.000	33.000	1.500	34.00	0.012-0.033		SE01-11-213	
<b>PB-2006J</b> (SL 84-ON)		P.B. 1-4	34.000	37.039	1.535	34.00	0.012-0.040		SL01-11-213	
<b>JE</b> V6 90 x 77.4 2954cc		<b>MS-2010GP</b> (86-ON)	Main 1-4	61.955	66.019	2.012	18.00	0.021-0.081	2.0+90°	JFY1-11-SG0
	<b>TW-2010GP</b> (86-ON)	T.W.	(I.D.)68.25	(O.D.)80.0	2.050				JFY1-11-SJ0	
	<b>CB-2010A</b> (86-ON)	C.R. 1-6	52.955	56.019	1.511	17.00	0.023-0.085	3.0+80°	JEY1-11-SE0	

# MAZDA

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number	
			Shaft Dia	Housing Bore	Wall Thickness					
<b>MA</b> 4 cyl 80 x 98 1970cc  <b>NA</b> 4 cyl 78 x 83 1586cc  <b>UB</b> 4 cyl 78 x 78 1490cc  <b>VB</b> 4 cyl 78 x 94 1796cc  <b>VC</b> 4 cyl 80 x 88 1769cc	<b>MS-1114A</b> (70-84)	Main 1.2.4. 3 5	62.955 62.955 62.955	67.020 67.020 67.020	2.013 2.013 2.013	18.00 24.00 24.00	0.021-0.075 0.021-0.075 0.021-0.075	8.4-9.0	0305-23-151C	
	<b>TW-1061GP</b> (70-84)	T.W. No.5	(I.D.)70.0	(O.D.)86.0	2.050				0305-23-201B	
	<b>CB-1086A</b> (MA/VB 77-84)	C.R. 1-4	52.955	56.020	1.513	22.00	0.027-0.077	4.4-4.6	3975-23-105A	
	<b>CB-1141A</b> (NA/UB/VC 70-84)	C.R. 1-4	52.955	56.020	1.510	20.80	0.030-0.069	4.4-4.6	0222-23-105A	
	<b>SH-1061B</b> (70-84)	Cam 1 2.3.	44.960 44.960	49.034 49.034	2.015 2.015	24.13 18.13	0.019-0.069 0.019-0.069	7.7-8.3	0221-23-150	
	<b>PB-1114J</b> (70-84)	P.B. 1-4	21.990	25.021	1.535	28.00	0.003-0.021		0107-11-212	
	<b>PC</b> 4 cyl 70 x 64 985cc  <b>TC</b> 4 cyl 73 x 76 1272cc  <b>R2</b> 4 cyl 86 x 94 2184cc  <b>RF</b> 4 cyl 86 x 86 1998cc	<b>MS-1113GP</b> (70-78)	Main 1.2.4. 3.5.	62.955 62.955	67.019 67.019	2.008 2.008	20.00 23.00	0.025-0.079 0.025-0.079	6.0-6.5	0324-23-151A
		<b>TW-1113K</b> (70-78)	T.W. No.5	(I.D.)70.0	(O.D.)80.0	2.000				0324-11-380
		<b>CB-1082A</b> (70-78)	C.R. 1-4	44.955	48.017	1.510	19.50	0.027-0.073	3.5-4.0	0249-23-105
		<b>PB-1082J</b> (70-78)	P.B. 1-4	19.990	23.021	1.535	24.00	0.003-0.015		0249-11-213
<b>MS-2007A</b> (83-ON)		Main 1.2.4.5. 3	59.955 59.955	64.019 64.019	2.013 2.013	19.00 21.00	0.025-0.074 0.025-0.074	8.4-9.0	RF01-23-135A	
<b>TW-2007A</b> (83-ON)		T.W. No.3	(I.D.)69.05	(O.D.)84.4					RF01-23-115	
<b>CB-2004A</b> (83-ON)		C.R. 1-4	50.955	54.017	1.510	21.00	0.023-0.065	6.6-7.0	RF01-23-105	
<b>PB-2007J</b> (83-ON)		P.B. 1-4	25.000	28.033	1.530	26.80	0.014-0.030		RF01-11-213	
<b>S2</b> 4 cyl 88.9 x 89 2209cc		<b>MS-1181GP</b> (79-86)	Main 1-5	65.000	69.026	1.983	28.60	0.040-0.105	11-11.7	1456-23-110
		<b>TW-1181A</b> (79-86)	T.W. No.3	(I.D.)73.55	(O.D.)90.3	2.325				1456-23-115
	<b>CB-1181GP</b> (79-86)	C.R. 1-4	53.000	56.709	1.833	28.50	0.036-0.088	6.9-7.5	1456-23-105A	
	<b>PB-1181J</b> (79-86)	P.B. 1-4	28.000	31.039	1.530	26.80	0.014-0.035		1456-11-213	

# MAZDA

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number	
			Shaft Dia	Housing Bore	Wall Thickness					
<b>VA</b> 4 cyl 82 x 94 1985cc	<b>MS-1141A</b> (71-79)	Main							0552-23-140	
		1	62.955	67.020	2.007	24.50	0.036-0.074	8.4-9.0		
		Δ2	62.955	67.020	2.007	36.00	0.036-0.074			
	3	62.955	67.020	2.007	30.00	0.036-0.074				
	<b>CB-1141A</b> (71-79)	C.R.							0552-23-105	
		1-4	52.955	56.020	1.510	20.80	0.030-0.069	4.8-5.3		
	<b>SH-1141B</b> (71-79)	Cam								0552-23-710A
		1	49.990	53.030	1.505	25.00	0.010-0.083			
		2	48.990	52.030	1.505	28.00	0.010-0.083			
	<b>PB-1114J</b> (71-79)	P.B.							0107-11-212	
1-4		21.990	25.021	1.535	28.00	0.003-0.021				
<b>XA</b> 4 cyl 88.9 x 101.6 2522cc	<b>MS-2000GP</b> (XA 67-80) (XB 72-77)	Main							S501-23-110	
		1-5	69.825	74.092	2.102	28.60	0.055-0.114	11-11.7		
	<b>TW-1075J</b> (XA 67-80) (XB 72-77)	T.W.								0636-23-115
		No.3	(I.D.)78.5	(O.D.)95.0	2.305					
	<b>CB-1075GP</b> (XA 67-80) (XB 72-77)	C.R.							0527-23-105	
		1-4	57.125	60.846	1.842	28.68	0.030-0.076	5.5-6.2		
	<b>PB-1075J</b> (XA 67-80) (XB 72-77)	P.B.								0636-11-213
		1-4	31.749	34.955	1.620	26.80	0.012-0.033			
	<b>PB-2000J</b> (XA 67-80) (XB 72-77)	P.B.							S501-11-213	
		1-4								
<b>YA</b> 6 cyl 88.9 x 101.6 3783cc	<b>MS-2002GP</b> (69-ON)	Main							V101-23-110	
		1-7	69.825	74.092	2.102	28.60	0.056-0.114	11-11.7		
	<b>TW-1075J</b> (69-ON)	T.W.								0636-23-115
		No.4	(I.D.)78.5	(O.D.)95.0	2.305					
	<b>ZB</b> 6 cyl 92 x 101.6 4052cc	<b>CB-1097GP</b> (69-79)	C.R.							0784-23-105
			1-6	57.125	60.846	1.842	28.68	0.036-0.076	5.5-6.2	
	<b>CB-2002GP</b> (80-ON)	C.R.								V101-23-105
		1-6	57.125	60.846	1.838	28.60	0.036-0.076	5.5-6.2		
	<b>ZB</b> 6 cyl 88.9 x 101.6 3783cc	<b>PB-1097J</b> (69-ON)	P.B.							
			1-6	31.749	34.955	1.620	26.80	0.014-0.044		

# MITSUBISHI

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>4D30</b> 4 cyl 100 x 105 3298cc  <b>4D31</b> 4 cyl 100 x 105 3298cc  <b>4D32</b> 4 cyl 104 x 105 3567cc  <b>4D33</b> 4 cyl 104 x 105 3567cc	<b>MS-1807GP</b> (79-ON) (MS-1160GP)	Main 1-5	77.950	82.020	2.005	27.00	0.036-0.098	18.00	ME011530
	<b>TW-1055K</b> (79-ON)	T.W. No.5	(I.D.)85.5	(O.D.)103.5	2.450				ME020328
	<b>CB-1160GP</b> (79-83)	C.R. 1-4	59.965	64.019	2.002	33.00	0.035-0.098	10.5	ME012205
	<b>CB-1807GP</b> (83-ON)	C.R. 1-4	59.965	64.019	2.000	33.00	0.035-0.098	10.5	ME999250
	<b>SH-1160B</b> (79-83)	Cam 1	54.460	58.519	2.000	41.00	0.040-0.090		ME029225
		2	54.460	58.019	1.750	26.00	0.040-0.090		ME029027
		3	52.960	57.019	2.000	30.00	0.040-0.090		ME023432
	<b>SH-1807B</b> (83-ON)	Cam 1	54.460	58.519	2.000	4.100			ME011593
		2	54.460	58.019	1.750	21.00			ME011594
		3	52.960	57.019	2.000	21.00			
	<b>PB-1160J</b> (79-83)	P.B. 1-4	34.000	37.025	1.535	39.00	0.020-0.050		ME012257
	<b>PB-1807J</b> (83-ON)	P.B. 1-4	34.000	37.025	1.540	38.85	0.020-0.050		ME020449
									ME012249
									ME012255
<b>4D55</b> 4 cyl 91.1 x 90 2346cc	<b>MS-1131A</b> (80-ON)	Main 1.2.4.5. Δ3	66.000 66.000	70.021 70.021	1.990 1.990	25.00 30.90	0.020-0.076 0.020-0.076	7.5-8.5	MD050363
	<b>CB-1131A</b> (80-ON)	C.R. 1-4	53.000	56.021	1.494	25.00	0.014-0.070	4.5-4.8	MD050365
	<b>PB-1802J</b> (80-ON) (SF)	P.B. 1-4	29.000	32.025	1.800	31.70			MD050009
<b>4D65</b> 4 cyl 80.6 x 88 1795cc  <b>4D68</b>   <b>4D68T</b>	<b>MS-1821A</b> (84-ON) (MS-1164A)	Main 1.2.4.5. Δ3	57.000 57.000	61.020 61.020	1.995 1.995	23.00 28.90	0.020-0.082 0.020-0.082	5.0-5.5	MD071273 MD002273 MD002343 MD006904 MD040682
	<b>CB-1085A</b> (84-ON)	C.R. 1-4	45.000	48.015	1.498	23.50	0.014-0.063	3.2-3.5	MD071298 MD002813 MD002843 MD040704
	<b>PB-1821J</b> (84-ON)	P.B. 1-4	25.000	28.025	1.500	28.25			MD060467

# MITSUBISHI

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>4DR5</b> 4 cyl 92 x 100 2659cc  <b>4DR6T</b> 4 cyl  <b>4DR7</b> 4 cyl	<b>M1-1115GP</b> (70-ON)	Main 1-5	69.955	74.020	2.000	28.00	0.045-0.085	10.-11	31409-10010
	<b>TW-1115K</b> (70-ON)	T.W. No.5	(I.D.)77.0	(O.D.)95.0	2.450				31309-08101
	<b>C1-1115GP</b> (70-ON)	C.R. 1-4	57.965	62.019	2.000	32.00	0.035-0.081	8.5-9.5	31619-02100
	<b>SH-1078B</b> (70-ON)	Cam 1	54.460	57.019	1.245	36.00	0.040-0.119		31307-13101
		2	54.460	57.019	1.245	26.00	0.040-0.119		31307-13301
		3	53.960	57.019	1.495	26.00	0.040-0.119		
	<b>PB-1078J</b> (70-86)	P.B. 1-4	28.000	31.025	1.530	36.00	0.020-0.051		31619-0070
<b>4G41</b> 4 cyl 76.5 x 75 1378cc  <b>4G42</b> 4 cyl 71 x 75 1187cc	<b>MS-1024GP*</b> (71-79)	Main 1-3	63.993	68.021	1.993	25.00	0.021-0.070	5.0-5.5	MD0101780
	<b>TW-1024B*</b> (71-79)	T.W. No.1	(I.D.)34.0	(O.D.)41.5	3.585				MD010350 MD010351
	<b>CB-1025GP*</b> (71-79)	C.R. 1-4	52.000	55.021	1.493	22.00	0.014-0.063	3.0-3.8	MD010589
	<b>SH-1024B*</b> (71-79)	Cam 1	44.990	48.025	1.492	19.50	0.040-0.090		MD010340
		2	43.990	47.025	1.492	13.00	0.040-0.090		
		3	42.990	46.025	1.492	13.00	0.040-0.090		
		4	41.990	45.025	1.492	19.50	0.040-0.090		
	<b>PB-1024J*</b> (71-79)	P.B. 1-4	19.000	21.021	1.030	26.70	0.006-0.020		MD010707
<b>6D10</b> 6 cyl 105 x 115 5974cc  <b>6D11</b> 6 cyl 105 x 130 6754cc  <b>6D14</b> 6 cyl 110 x 115 6557cc  <b>6D15</b> 6 cyl 113 x 115 6919cc	<b>MS-1145GP</b> (74-87)	Main 1-7	79.965	85.022	2.500	29.00	0.045-0.107	15-18	ME031525
	<b>TW-1145K</b> (74-87)	T.W. No.7	(I.D.)89.2	(O.D.)109.0	2.450				ME031059
	<b>CB-1820GP</b> (74-87)	C.R. 1-6	64.960	69.019	2.000	34.00	0.060-0.119	10-12	ME032518
	<b>PB-1145J</b> (74-86)	P.B. 1-6	38.000	41.025	1.530	42.00	0.020-0.050		ME032014

\*Available until inventory is depleted.

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Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>6D20</b> 6 cyl 125 x 140 10308cc  <b>6D21</b> 6 cyl 125 x 140 10308cc	<b>MS-1162GP*</b> (76-ON) (6D22 83-ON)	Main 1-7	99.920	106.022	3.000	31.00	0.080-0.158	38.00	ME052053
<b>6DR5</b> 6 cyl 92 x 100 3988cc	<b>M1-1115GP</b> (70-ON)	Main 1-7	69.955	74.020	2.000	28.00	0.045-0.097	10-11	31409-10010
	<b>TW-1115K</b> (70-ON)	T.W. No.7	(I.D.)77.0	(O.D.)95.0	2.450				31309-08101
	<b>C1-1115GP</b> (70-ON)	C.R. 1-6	57.965	62.019	2.000	32.00	0.035-0.081	8.5-9.5	31619-02100
	<b>SH-1115B</b> (70-ON)	Cam 1	54.460	57.019	1.245	36.00	0.040-0.119		31307-13101
		2	54.460	57.019	1.245	26.00	0.040-0.119		31307-13401
		3	53.960	57.019	1.495	26.00	0.040-0.119		
	4	52.960	57.019	1.995	26.00	0.040-0.119			
	<b>PB-1115J</b> (70-86)	P.B. 1-6	28.000	31.025	1.530	36.00	0.020-0.051		31619-0070
<b>6G71</b> V6 74.7 x 76 1998cc  <b>6G72</b> v6 91.1 X 76 2972CC	<b>MS-1822GP</b> (86-ON)	Main 1-4	59.884	64.020	1.991	18.00	0.024-0.078	9.0-10.0	MD105269
	<b>TW-1822GP</b> (86-ON)	T.W.	(I.D.)66.25	(O.D.)77.70	1.970				MD128659
	<b>CB-1822A</b> (86-92) (6G72)	C.R. 1-6	49.975	53.020	1.502	15.50	0.015-0.065	5.0-5.3	MD105277
	<b>CB-1823A</b> (86-ON) (6G71)	C.B. 1-6	45.000	48.000	1.492	15.50			MD124592

\*Available until inventory is depleted.

# MITSUBISHI

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>G11B</b> 4 cyl 69.5 x 82 1244cc	<b>MS-1818A</b> (77-ON) (MS-1169A)	Main 1.2.4.5. Δ3	48.000	52.020	1.990	19.00	0.020-0.074	5.0-5.5	MD030573 MD030126
			48.000	52.020	1.990	23.90			
<b>G12B</b> 4 cyl 74 x 82 1410cc	<b>CB-1169A</b> (77-85)	C.R. 1-4	42.000	45.020	1.493	17.50	0.014-0.068	3.2-3.5	MD030516
<b>G13B</b> 4 cyl 71 x 82 1298cc	<b>CB-1825A</b> (85-ON)	C.R. 1-4	42.000	45.020	1.493	15.50			MD143090
<b>G15B</b> 4 cyl 75.5 x 82 1468cc									
<b>4G11</b> 4 cyl 69.5 x 82 1244cc									
<b>4G12</b> 4 cyl 74 x 82 1410cc									

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Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>G31B</b> 4 cyl 74.5 x 86 1499cc	<b>MS-1821A</b>	Main							MD002273
<b>4G37</b> 4 cyl 80.6 x 86 1755cc	(70-88) (MS-1164A) (MS-1085GP)	1.2.4.5. Δ3	57.000 57	61.020 61.02	1.995 1.995	23.00 28.9	0.020-0.082 0.020-0.082	5.0-5.5 5.0-5.5	MD002343 MD006904 MD040682
<b>G32B</b> 4 cyl 76.9 x 86 1597cc	<b>CB-1085A</b> (70-88)	C.R. 1-4	45.000	48.015	1.498	23.50	0.014-0.063	3.2-3.5	MD002813 MD002843 MD040704
<b>G33B</b> 4 cyl 73 x 86 1439cc	<b>BB-1085A</b> (4G32/G32B/4G35)	B.B. 1 2	38.975 35.976	42.025 39.025	1.505 1.495	19.00 16.00	0.021-0.076 0.043-0.098		
<b>G37B</b> 4 cyl 60.6 x 88 1755cc	(G62B/G63B/4G63)	B.B. 1 2	41.975 40.967	45.025 44.025	1.505 1.495	19.00 21.00	0.025-0.080 0.025-0.080		
<b>G62B</b> 4 cyl 80.6 x 88 1795cc	<b>BB-1811A</b>	B.B. 1 2 3	41.975 40.967 40.967	45.025 44.025 44.025	1.505 1.495 1.495	19.00 21.00 21.00	0.025-0.080 0.025-0.080 0.025-0.080		
<b>G63B</b> 4 cyl 85 x 88 1997cc									
<b>4G30</b> 4 cyl 73 x 77 1289cc									
<b>4G31</b> 4 cyl 74.5 x 86 1499cc									
<b>4G32</b> 4 cyl 76.9 x 86 1597cc									
<b>4G33</b> 4 cyl 73 x 86 1439cc									
<b>4G35</b> 4 cyl 79 x 86 1686cc									
<b>4G36</b> 4 cyl 73 x 74 1238cc									
<b>4G63</b> 4 cyl 85 x 88 1997cc									

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Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>G51B</b> 4 cyl 81 x 90 1855cc	<b>MS-1131GP</b> (73-78)	Main 1.2.4.5. Δ3	66.000	70.021	1.990	25.00	0.020-0.076	7.5-8.5	MD020381 MD050360
			66.000	70.021	1.990	30.95	0.020-0.076		
<b>4G51</b> 4 cyl 81 x 90 1855cc	<b>MS-1819A</b> (G52B/G52B/4G52) (78-ON)	Main 1.2.4.5. Δ3	60.000	64.02	1.990	25.00	0.020-0.081	7.5-8.5	MD026440
			60.000	64.02	1.990	30.90	0.020-0.081		
<b>G52B</b> 4 cyl 84 x 90 1995cc	<b>CB-1131GP</b> (73-ON)	C.R. 1-4	53.000	56.021	1.494	25.00	0.014-0.070	4.5-4.8	MD024856 MD026430
<b>4G52</b> 4 cyl 84 x 90 1995cc	<b>BB-1131A</b> (73-78)	B.B. 2 1	43.000	46.000	1.480	20.00			
			23.000	26.000	1.510	18.00			
<b>G54B</b> 4 cyl 91.1 x 98 2555cc									
<b>4G54</b> 4 cyl 91.9 x 98 2555cc									

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Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number		
			Shaft Dia	Housing Bore	Wall Thickness						
<b>A12</b> 4 cyl 73 x 70 1171cc	<b>MS-1087GP</b>	Main							12207-M7201		
		1.5	49.964	53.667	1.835	22.00	0.020-0.099	5.0-5.3			
		2.4	49.964	53.667	1.835	18.00	0.020-0.099				
			Δ3	49.964	53.667	1.835	26.95	0.020-0.099			
	<b>A14</b> 4 cyl 76 x 77 1397cc	<b>CB-1045GP</b> (66-81) <b>SH-1019B</b> (66-81)	C.R.							12111-20910	
1-4			44.974	48.011	1.508	19.50	0.030-0.072	3.2-3.8			
<b>A15</b> 4 cyl 76 x 82 1487cc		Cam								13002-H1020	
		1	43.796	47.025	1.585	23.50	0.024-0.097				
		2	43.296	46.525	1.585	14.00	0.024-0.097				
		3	42.796	46.025	1.585	14.00	0.024-0.097				
		4	42.296	45.525	1.585	14.00	0.024-0.097				
		5	41.221	44.450	1.585	14.00	0.024-0.097				
<b>BD2</b> 4 cyl 96 x 102 2953cc	<b>MS-1190GP</b> (89-91) <b>TW-1028GP</b> (89-91)	Main							12207-54T10		
		1-5	70.920	75.000	2.013	26.00	0.035-0.090	17.0-18.0			
<b>BD25</b> 4 cyl 96 x 102 2953cc	<b>CB-1194GP</b> (89-91) <b>SH-1190B</b> (89-91)	T.W.	(I.D.)78.6	(O.D.)93.8	2.325					12280-37525	
		C.R.							12111-54T10		
		1-4	56.920	60.000	1.513						
		Cam									
		1	50.740	53.830	1.520	20.50	0.020-0.109				
		2	50.540	53.630	1.520	22.00	0.020-0.109				
		3	50.340	53.430	1.520	22.00	0.020-0.109				
4	50.140	53.230	1.520	22.00	0.020-0.109						
		5	49.940	53.030	1.520	22.00	0.020-0.109				
<b>BD30</b> 4 cyl 96 x 102 2953cc	<b>PB-1194J</b> (89-91)	P.B.							12030-31N00		
		1-4	30.000	33.000	1.530	33.00					
<b>CA16</b> 4 cyl 78 x 83.6 1598cc	<b>MS-1173GP</b> (81-90) <b>MS-1217A</b> (90-ON)	Main							12207-D0200 12207-54A00		
		1.2.4.5	52.964	56.667	1.835	22.00	0.030-0.092	4.5-5.5			
		Δ3	52.964	56.667	1.835	27.95	0.030-0.092				
<b>CA18</b> 4 cyl 83 x 83.6 1809cc	<b>CB-1173GP</b> (81-90)	Main							12207-57J00		
		1.2.4.5.	52.964	56.667	1.830	20.00	0.030-0.089	12261-54A00			
<b>CA20</b> 4 cyl 84.5 x 88 1973cc	<b>PB-1205J</b> (CA16/18/20 81-90)	3	52.964	56.667	1.830	27.95	0.030-0.089			12211-D0200 12211-D2800	
		C.R.							3.2-3.8		
		1-4	44.974	48.011	1.508	18.50	0.026-0.072				
<b>CD17</b> 4 cyl 80 x 83.6 1680cc	<b>PB-1173J</b> (CD17 82-85)	C.R.							12111-22J00		
		1-4	49.961	53.013	1.504	20.00	0.017-0.064				
<b>CD20</b> 4 cyl 84.5 x 88 1973cc	<b>PB-1217J</b> (CD20 90-ON)	P.B.							12030-D4200		
		1-4	20.000	23.000	1.535	20.80					
		P.B.							12030-16A01		
		1-4	24.000	28.000	2.030	24.20	0.025-0.044				
		P.B.							12030-57J00		
		1-4	25.000	28.000	1.530	24.70	0.025-0.044				

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Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>D11</b> 4 cyl 73 x 68 1138cc	<b>MS-1045GP</b> (66-78)	Main							
		1.3	52.310	56.030	1.835	30.00	0.020-0.080	10.5-11.0	
	2	52.310	56.030	1.835	34.00	0.020-0.080			
<b>D12</b> 4 cyl 73 x 71.6 1198cc	<b>TW-1000B</b> (66-78)	T.W.							
		2	(I.D.)56.2	(O.D.)69.8	2.345			12280-K5100	
	<b>CB-1036GP</b> (66-78)	C.R.							
		1-4	43.970	47.016	1.508	25.00	0.020-0.066	3.3-3.5	12111-D0801
<b>E13</b> 4 cyl 76 x 70 1270cc	<b>MS-1174GP</b> (81-ON)	Main							
		1.5	49.964	53.668	1.830	22.00	0.023-0.082	5.0-6.0	
		2.4	49.964	53.668	1.830	18.00	0.023-0.082		
<b>E15</b> 4 cyl 76 x 82 1487cc	<b>CB-1174GP</b> (81-ON)	Δ3	49.964	53.668	1.830	26.95	0.023-0.082		
		C.R.							
		1-4	39.974	43.013	1.503	17.00	0.030-0.089	3.2-3.8	12111-11M00
<b>E16</b> 4 cyl 76 x 88 1597cc	<b>JB-1174B</b> (81-ON)	J.B.							
		1	32.000	35.000	1.495	21.50	0.027-0.110	13165-01M00	
		2	28.600	31.600	1.495	16.00	0.027-0.110	13166-01M00	
<b>ED6</b> 6 cyl 100 x 120 5654cc	<b>MS-1135GP</b> (75-ON)	Main							
		1-7	75.940	80.000	1.995	26.00	0.050-0.116	17.0-17.5	12207-Z5500
	<b>TW-1122J</b> (75-ON)	T.W.							
		6	(I.D.)86.0	(O.D.)101.8	3.000				12280-Z5025
	<b>CB-2802GP</b> (75-ON)	C.R.							
		1-6	61.945	66.000	1.998	32.00	0.039-0.105	11.5-12.0	12111-O1T00 12117-Z5500
	<b>SH-1135B</b> (75-ON)	Cam							
		1	57.340	60.400	1.515	28.00	0.015-0.105		
		2	57.140	60.200	1.515	26.00	0.015-0.105		
		3	56.940	60.000	1.515	26.00	0.015-0.105		
<b>PB-1135J</b> (75-ON)	P.B.	4	56.740	59.800	1.515	26.00	0.015-0.105		
		1-6	34.000	38.000	2.020	35.00	0.030-0.105	12030-Z5000	
<b>FD6</b> 6 cyl 100 x 120 5654cc									

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Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number			
			Shaft Dia	Housing Bore	Wall Thickness							
<b>ED30</b> 4 cyl 98 x 98 2956cc  <b>ED33</b> 4 cyl 100 x 105 3298cc  <b>FD35</b> 4 cyl 100 x 105 3298cc	<b>MS-1180GP</b> (73-ON) <b>TW-1122J</b> (73-ON)	Main 1-5	75.940	80.000	1.997	28.00	0.050-0.116	17.0-17.5	12207-J2000			
		T.W. 4	(I.D.)86.0	(O.D.)101.8	3.000				12280-J2000 12280-Z5025			
		C.R. 1-4	59.945	64.000	2.000				12111-J2000			
		C.R. 1-4	61.945	66.000	1.998				12111-01T00 12117-Z5500			
	<b>SH-1122B</b> (73-ON)  <b>PB-1122J</b> (73-82) <b>PB-1180J</b> (83-ON)	Cam 1	57.340	60.400	1.515	28.00	0.015-0.105	11.5-12.0	13202-J2000			
		2	57.140	60.200	1.515	26.00	0.015-0.105					
		3	56.940	60.000	1.515	26.00	0.015-0.105					
		P.B. 1-4	32.000	36.000	2.030	35.00	0.025-0.041		12030-J2000			
		P.B. 1-4	34.000	38.000	2.020	35.00	0.025-0.041		12030-Z5000			
		<b>MS-2800GP</b> (84-ON)  <b>TW-2800J</b> (84-ON)  <b>CB-2800GP</b> (84-ON)  <b>SH-1135B</b> (84-ON)  <b>PB-1083J</b> (84-ON)	Main 1-7	77.950	83.000	2.500	27.00		0.030-0.090	12213-Z5500		
			T.W.	(I.D.)89.25	(O.D.)103.8	2.970					12280-Z5501	
			C.R. 1-6	64.945	69.000	2.000					32.00	0.035-0.090
Cam 1	57.340		60.400	1.515	28.00	0.015-0.105		13003-Z5025				
2	57.140		60.200	1.515	26.00	0.015-0.105						
3	56.940		60.000	1.515	26.00	0.015-0.105						
4	56.740	59.800	1.515	26.00	0.015-0.105							
P.B. 1-6	36.000	40.000	2.020	39.00	0.025-0.040	12030-95000						
<b>GA15E</b> 4 cyl 73.6 x 88 1497cc  <b>GA13/14</b>  <b>GA16i</b>	<b>MS-1208A</b> (87-ON) <b>TW-1208A</b> (87-ON)	Main 1-5	49.964	53.668	1.830	17.00	0.020-0.094	5.0	12215-77A00			
		T.W.	(I.D.)56.02	(O.D.)71.00	1.970				12215-55A00 12280-77A00			
	C.R. 1-4	39.974	43.013	1.508	17.00				0.010-0.062	12111-77A00		
	P.B. 1-4	19.000	22.000	1.515	21.80				1.5 + 35°	12030-77A00		
	<b>PB-1208J</b> (87-ON)	1-4	19.000	22.000	1.515					21.80	1.5 + 35°	12030-53Y00

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Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number		
			Shaft Dia	Housing Bore	Wall Thickness						
<b>H20</b> 4 cyl 87.2 x 83 1982cc  <b>U20</b> 4 cyl 87.2 x 83 1982cc	<b>MS-1042GP</b> (67-82)	Main	1.5	62.955	66.658	1.835	28.00	0.020-0.066	10.0-11.0	12207-78400	
			2.4	62.955	66.658	1.835	22.00	0.020-0.066			
			Δ3	62.955	66.658	1.835	33.95	0.020-0.066			
	<b>CB-1002GP</b> (67-82)	C.R.	1-4	51.974	55.013	1.506	24.00	0.020-0.061	4.9-6.1	12111-P5100	
			Cam	1	45.440	48.666	1.585	24.00	0.020-0.090	13002-71204	
	2	43.910		47.142	1.585	22.00	0.020-0.090				
	3	41.230		44.450	1.585	24.00	0.020-0.090				
	<b>PB-1002J</b> (67-82)	P.B.	1-4	22.000	24.033	1.045	28.70	0.005-0.014	12030-32200		
			<b>J</b> 4 cyl 73 x 77.6 1299cc  <b>J13</b> 4 cyl 73 x 77.6 1299cc  <b>J15</b> 4 cyl 78 x 77.6 1483cc  <b>J16</b> 4 cyl 78 x 82 1567cc  <b>J18</b> 4 cyl	<b>MS-1091GP</b> (70-ON)	Main	1-3	50.825	54.521	1.835	28.00	0.023-0.068
	<b>TW-1000B</b> (70-ON)	T.W.				2	(I.D.)56.2	(O.D.)69.8	2.345		
<b>CB-1007GP</b> (70-85)						C.R.	1-4	47.653	51.346	1.835	22.00
	<b>CB-1204GP</b> (J18 80-ON)	C.R.		1-4	47.635		50.673	1.500	20.00	0.026-0.077	3.0-3.5
<b>SH-1006B</b> (70-ON)				Cam	1	45.440	48.666	1.585	37.30	0.031-0.106	13002-B5000
	2	43.910			47.142	1.585	22.00	0.031-0.106			
	3	41.230			44.450	1.585	20.60	0.031-0.106			
<b>KA-24</b>  4 cyl 89 x 96 2388cc	<b>MS-1209GP</b> (88-ON)	Main		1.2.4.5	59.975	63.672	1.835	19.00	0.013-0.097	12215-40F00	
				Δ3	59.975	63.72	1.835	26.95	0.013-0.097		
	<b>CB-1209GP</b> (88-ON)	C.R.		1-4	49.974	53.013	1.508	20.00	0.010-0.062	12111-40F00	
			<b>PB-1209J</b> (88-ON)	P.B.	1-4					12030-40F00	

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Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number		
			Shaft Dia	Housing Bore	Wall Thickness						
<b>L13</b> 4 cyl 83 x 59.9 1296cc  <b>L14</b> 4 cyl 83 x 66 1428cc  <b>Z/L16</b> 4 cyl 83 x 73.7 1595cc  <b>Z/L18</b> 4 cyl 85 x 78 1770cc	<b>MS-1043GP</b> (L13/14/16/18 67-82) (Z16/18 78-79)	Main	1	54.955	58.658	1.835	26.00	0.020-0.093	12207-23001		
			2.4	54.955	58.658	1.835	24.00	0.020-0.093			
				C.R.	Δ3	54.955	58.658	1.835		31.95	0.020-0.093
					5	54.955	58.658	1.835		26.00	0.020-0.093
					1-4	49.974	53.013	1.506		22.00	0.024-0.070
							L14.16(3.2-3.8) L18 (3.7-4.0)	12111-73400			
<b>L20</b> 6 cyl 78 x 69.7 1998cc  <b>L24</b> 6 cyl 80 x 73.7 2393cc  <b>L26</b> 6 cyl 83 x 79 2526cc  <b>L28</b> 6 cyl 86 x 79 2753cc  <b>LD28</b> 6 cyl 84.5 x 83 2792cc	<b>MS-1047GP</b> (66-ON)	Main	1.7	54.955	58.658	1.835	26.00	0.020-0.093	12207-73400		
			2.3.5.6	54.955	58.658	1.835	24.00	0.020-0.093			
			Δ4	54.955	58.658	1.835	31.95	0.020-0.093			
	<b>CB-1048GP</b> (66-81)	C.R.	1-6	49.974	53.013	1.506	22.00	0.024-0.070		12111-73400	
			1-6	49.974	48.011	1.508	18.50	0.024-0.070		3.2-3.8	12111-D0200
	<b>CB-1177GP</b> (L20 81-ON)	C.R.	1-6	49.974	48.011	1.508	18.50	0.024-0.070		3.2-3.8	

# NISSAN

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number		
			Shaft Dia	Housing Bore	Wall Thickness						
<b>L20B</b> 4 cyl 85 x 86 1952cc	<b>MS-1183GP</b> (80-94)	Main							12207-U6001		
		1	59.955	63.658	1.835	26.00	0.020-0.066	7.0-8.5			
		2.4	59.955	63.658	1.835	24.00	0.020-0.066				
		Δ3	59.955	63.658	1.835	31.95	0.020-0.066				
		5	59.955	63.658	1.835	26.00	0.020-0.066				
<b>LD20</b> 4 cyl 85 x 86 1952cc	<b>CB-1044GP</b> (80-94)	C.R.							12111-73400		
		1-4	49.974	53.013	1.506	22.00	0.024-0.070	4.5-5.5			
<b>LD20-T</b> 4 cyl 85 x 86 1952cc	<b>PB-1183J</b> (LD20T ONLY)	P.B.							12030-W3400		
		1-4	26.000	29.000	1.530	26.70	0.025-0.044				
<b>Z20</b> 4 cyl 85 x 86 1952cc	<b>PB-1189J</b> (LD20 ONLY)	P.B.						12030-V0700			
		1-4	25.000	28.000	1.530	26.70	0.025-0.044				
<b>Z24</b> 4 cyl 89 x 96 2389cc											
<b>MA10</b> 4 cyl 66 x 68 987cc	<b>MS-1202A</b> (82-ON)	Main						12215-01B10			
		1-5	44.971	49.016	2.008	17.00	0.021-0.061		4.7-5.3		
<b>TW-1202A</b> (82-ON)	T.W.						12280-01B00				
	4	(I.D.)51.0	(O.D.)60.0	1.970							
<b>CB-1202A</b> (82-ON)	C.R.						12111-01B10				
	1-4	39.974	43.013	1.503	15.00	0.026-0.060		3.0-3.5			
<b>ND6</b> 6 cyl 110 x 120 6842cc	<b>MS-1193GP*</b> (69-ON)	Main							12212-95000 12213-95025		
		1	89.894	96.000	3.018	28.00	0.040-0.126	24-24.8			
		2.3	89.894	96.000	3.018	28.00	0.040-0.126				
		4	89.894	96.000	3.018	43.00	0.040-0.126				
		5	89.894	96.000	3.018	28.00	0.040-0.126				
6.7	89.894	96.000	3.018	28.00	0.040-0.126						
<b>NE6</b> 6 cyl 110 x 130 7412cc	<b>TW-1083K*</b> (67-ON)	T.W.						12280-95025			
		7	(I.D.)102.0	(O.D.)117.8	3.010						
<b>ND60</b> 6 cyl 110 x 120 6842cc	<b>CB-1083GP*</b> (69-ON)	C.R.						12117-95001			
		1-6	69.910	74.000	2.015	35.00	0.041-0.112		18.0-18.5		
		<b>SH-1083B*</b> (69-ON)	Cam								13003-95025
			1	57.960	62.030	2.010	31.00			0.020-0.109	
			2	57.760	61.830	2.010	28.00			0.020-0.109	
			3	57.560	61.630	2.010	28.00			0.020-0.109	
			4	57.360	61.430	2.010	43.00			0.020-0.109	
			5	57.160	61.230	2.010	28.00			0.020-0.109	
6	56.960		61.030	2.010	28.00	0.020-0.109					
7	56.760	60.830	2.010	25.50	0.020-0.109						
<b>PB-1083J</b> (69-ON)	P.B.						12030-95000				
	1-6	36.000	40.000	2.020	39.00	0.025-0.040					

\*Available until inventory is depleted

# NISSAN

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>P</b> 6 cyl 85.7 x 114.3 3956cc  <b>PF</b> 6 cyl 85.7 x 114.3 3956cc  <b>P40</b> 6 cyl 85.7 x 114.3 3956cc	<b>MS-1001GP*</b> (60-79)	Main							12207-58010
		Δ1	68.229	73.025	2.371	43.63	0.030-0.107	9.7-11.8	
		2.3.5.6	69.300	73.025	1.835	26.00	0.030-0.107		
		4	69.300	73.025	1.835	41.00	0.030-0.107		
	7	69.300	73.025	1.835	49.00	0.030-0.107			
		Main							12207-C6001
	Δ1		69.300	73.025	1.835	40.53	0.030-0.106	10.0-12.0	
	2.3.5.6	69.300	73.025	1.835	26.00	0.030-0.106			
	<b>CB-1001GP*</b> (60-ON) <b>SH-1002B*</b> (60-ON)	4	69.300	73.025	1.835	41.00	0.030-0.106	4.9-6.2	
		7	69.300	73.025	1.835	49.00	0.030-0.106		
		C.R.							
		1-6	57.150	60.199	1.508	26.00	0.014-0.078		
		Cam							
		1	49.149	52.476	1.646	29.35	0.012-0.102		
2		48.945	52.273	1.646	19.05	0.012-0.102			
3		48.661	51.968	1.646	19.05	0.012-0.102			
4	48.336	51.664	1.646	31.75	0.012-0.102				
<b>PD6</b> 6 cyl 125 x 140 10308cc  <b>PE6</b> 6 cyl 133 x 140 11670cc	<b>MS-1084GP*</b> (69-ON)	Main						2.40-24.8	12212-96000
		1	99.894	106.000	3.018	35.00	0.040-0.126		
		2-3.5-7	99.894	106.000	3.018	35.00	0.040-0.126		
	<b>TW-1084K*</b> (69-82)	T.W.						18.0-18.5	12280-96025
		7	(I.D.)112.0	(O.D.)127.8	3.010	55.00	0.040-0.126		
	<b>CB-1084GP*</b> (69-ON)	C.R.						18.0-18.5	12117-96000
		1-6	79.910	84.000	2.012	41.00	0.036-0.112		
	<b>SH-1084B*</b> (69-82)	Cam						13003-96025	
		1	62.740	66.830	2.020	34.00	0.020-0.106		
		2	62.540	66.630	2.020	28.00	0.020-0.106		
		3	62.340	66.430	2.020	39.00	0.020-0.106		
		4	62.140	66.230	2.020	28.00	0.020-0.106		
	5	61.940	66.030	2.020	31.00	0.020-0.106			
	<b>PB-1084J</b> (69-ON)	P.B.						12030-96000	
		1-6	46.000	50.000	2.015	44.00	0.025-0.048		

\*Available until inventory is depleted

# NISSAN

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number	
			Shaft Dia	Housing Bore	Wall Thickness					
<b>RB20</b> 6 cyl 78 x 69.7 1998cc	<b>MS-1203GP</b> (RB20/24/25/30/ RD28 84-ON)	Main							12207-42L00	
		1.2.3	54.975	58.658	1.83	19.00	0.036-0.063	4.7-5.3		
		Δ4	54.975	58.658	1.83	26.90	0.036-0.063			
		5.6.7	54.975	58.658	1.83	19.00	0.036-0.063			
<b>RB24</b> 6 cyl	<b>MS-1216GP</b> (RB26 89-ON)	Main							12207-12U00	
		1-7	54.975	58.658	1.825	20.00	0.038-0.069			
<b>RB25</b> 6 cyl 86 x 71.1 2498cc	<b>CB-1203GP</b> (RB20 84-89) <b>CB-1206GP</b> (RB30 86-ON) <b>CB-1207A</b> (RD28 83-ON)	Δ4	54.975	58.658	1.825	27.00	0.038-0.069		12111-42L00 12111-67S00 12111-V7200 12111-58S00 12111-12U00	
		C.R.								
		1-6	41.975	45.013	1.506	16.00	0.014-0.066	1.4-1.6		
		C.R.								
		1-6	49.976	53.013	1.506	17.00	0.014-0.066	3.9-4.5		
		C.R.								
		1-6	49.974	53.013	1.498	20.00	0.030-0.076	1) 1.4-1.6		
								2) 3.8-4.6		
<b>RB26</b> 6 cyl 86 x 73.7 2568cc	<b>CB-1215GP</b> (RB24 89-91) <b>CB-1216GP</b> (RB25/26 89-ON)	C.R.								
		1-6	44.974	48.013	1.508	17.00	0.010-0.062			
		C.R.								
		1-6	51.013	47.974	1.501	17.00	0.042-0.062			
<b>RB30</b> 6 cyl 86 x 85 2962cc	<b>PB-1203J</b> (RB20 84-89) <b>PB-1206J</b> (RB24/25/26/30 83-96)	P.B.							12030-77A00 12030-58S00 12030-53Y00	
		1-6	19.000	22.000	1.515	21.80				
		P.B.								
		1-6	21.004	24.000	1.530	21.80	0.025-0.044			
<b>RD28</b> 6 cyl 85 x 83 2825cc	<b>PB-1207J</b> (RD28 83-ON)	P.B.							12030-V7200	
		1-6	24.994	38.000	1.525	24.47				
<b>RF8</b> V8 138 x 142 16991cc	<b>CB-1118GP*</b> (72-ON)	C.R.							12117-97008	
		1-4/L	84.910	89.000	2.015	39.20	0.045-0.112	18.0-18.5		
	1-4/R	84.910	89.000	2.015	39.20	0.045-0.112				
	<b>SH-1118B*</b> (72-87)	Cam							13003-97128	
		1	65.740	69.830	2.020	43.00	0.020-0.110			
		2	65.940	70.030	2.020	25.00	0.020-0.110			
		3	66.140	70.230	2.020	25.00	0.020-0.110			
		4	66.340	70.430	2.020	25.00	0.020-0.110			
5	66.540	70.630	2.020	47.50	0.020-0.110					

\*Available until inventory is depleted

# NISSAN

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>SD20</b> 4 cyl 83 x 92 1991cc  <b>SD22</b> 4 cyl 83 x 100 2164cc  <b>SD23</b> 4 cyl 89 x 92 2289cc  <b>SD25</b> 4 cyl 89 x 100 2488cc	<b>MS-1028GP</b> (SD20/82 63-81) <b>MS-1182GP</b> (SD20/22 81-83) (SD23/25 81-ON)	Main 1-3	70.920	75.000	2.014	32.00	0.035-0.087	15.0-16.0	12207-37506
		Main 1-5	70.920	75.000	2.015	26.00	0.035-0.087	15.0-16.0	12207-V1701
	<b>TW-1028GP</b> (63-ON) <b>CB-1029GP</b> (63-ON)	T.W. 2	(I.D.)78.6	(O.D.)93.8	2.325				12280-37525
		C.R. 1-4	52.926	56.000	1.514	26.00	0.035-0.087	5.0-5.6	12117-37504
	<b>SH-1003B</b> (63-ON)	Cam 1	45.440	48.666	1.585	24.00	0.020-0.100		13002-37500
		2	43.910	47.142	1.585	22.00	0.020-0.100		
		3	41.230	44.452	1.585	24.00	0.020-0.100		
	<b>PB-1029J</b> (SD20/22 63-81) <b>PB-1182J</b> (81-ON)	P.B. 1-4	26.000	29.000	1.535	30.00	0.013-0.046		12030-37500
		P.B. 1-4	26.000	29.000	1.535	32.00	0.013-0.046		12030-L2000
<b>SD33</b> 6 cyl 83 x 100 3246cc	<b>MS-1058GP</b> (66-ON) <b>TW-1028GP</b> (66-ON) <b>CB-1058GP</b> (66-ON)	Main 1-4	70.920	75.000	2.014	32.00	0.035-0.087	15.0-16.0	12207-61507
		T.W. 3	(I.D.)78.6	(O.D.)93.8	2.325				12280-37525
	C.R. 1-6	52.926	56.000	1.514	26.00	0.035-0.087	5.0-5.5	12117-37504	
	<b>SH-1004B</b> (66-79)	Cam 1	45.440	48.666	1.585	24.00	0.020-0.090		13002-90010
		2.3	43.910	47.142	1.585	22.00	0.020-0.090		
		4	41.230	44.450	1.585	24.00	0.020-0.090		
	<b>SH-1191B</b> (79-ON)	Cam 1	51.400	54.430	1.485	24.00	0.020-0.090		12030-37500
		2	51.200	54.230	1.485	22.00	0.020-0.090		
		3	51.000	54.030	1.485	22.00	0.020-0.090		
		4	50.800	53.830	1.485	24.00	0.020-0.090		
	<b>PB-1058J</b> (66-ON)	P.B. 1-6	26.000	29.000	1.535	30.00	0.013-0.046		
	<b>SR18</b> 4 cyl 1838cc  <b>SR20</b> 4 cyl 1998cc	<b>MS-1213GP</b>  <b>TW-1213GP</b>	Main 1-5	54.980	58.968	1.990	19.00	0.020-0.054	3.6+45°
T.W.									12280-60J00
C.R. 1-4		(I.D.)61.75	(O.D.)83.50	1.950	17.00	0.042-0.062	1.5+60°	12111-60J00	

# NISSAN

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number			
			Shaft Dia	Housing Bore	Wall Thickness							
<b>TD1</b> 4 cyl 89 x 92 2289cc  <b>TD23</b> 4 cyl 89 x 92 2289cc  <b>TD25</b> 4 cyl 93 x 92 2494cc  <b>TD27</b> 4 cyl 96 x 92 2663cc	<b>MS-1190GP</b> (86-ON) <b>TW-1028GP</b> (86-ON)  <b>CB-1190GP</b> (TD25/27 86-ON) <b>CB-1029GP</b> (TD1,TD23 86-ON)  <b>SH-1190B</b> (86-ON)  <b>PB-1190J</b> (TD25/27 86-ON) <b>PB-1192J</b> (TD1,TD23 86-ON)	Main 1-5	70.920	75.000	2.013	26.00	0.035-0.090	17.0-18.0	12207-43G01			
		T.W. No.	(I.D.)78.6	(O.D.)93.8	2.325				12280-37525			
		C.R. 1-4	56.926	60.000	1.513				26.00	0.030-0.080	8.0-8.5	12111-43G01
		C.R. 1-4	52.926	56.000	1.514				26.00	0.035-0.087	5.0-5.6	12111-02N01
		Cam 1	50.740	53.830	1.520				20.50	0.020-0.109		13002-43G00
		2	50.540	53.630	1.520				22.00	0.020-0.109		
		3	50.340	53.430	1.520				22.00	0.020-0.109		
		4	50.140	53.230	1.520				22.00	0.020-0.109		
		5	49.940	53.030	1.520				22.00	0.020-0.109		
		P.B. 1-4	28.000	31.000	1.530				32.80	0.025-0.040		12030-43G00
P.B. 1-4	26.000	29.000	1.530	32.80	0.020-0.045		12030-02N00					
<b>TD3</b> 6 cyl 96 x 96 4169cc  <b>TD42</b> 6 cyl 96 x 96 4169cc	<b>MS-1195GP</b> (87-ON) <b>TW-1028GP</b> (87-ON) <b>CB-1195GP</b> (87-ON)  <b>SH-1195B</b> (87-ON)  <b>PB-1195J</b> (87-ON)	Main 1-7	70.920	74.981	2.013	26.00	0.048-0.080	17.0-18.0	12207-06J10			
		T.W.	(I.D.)78.0	(O.D.)93.8	2.325				12280-37525			
		C.R. 1-6	56.926	59.987	1.513				26.00	0.035-0.087		12111-43G01
		Cam 1	50.740	53.800	1.520				20.50	0.020-0.109		13002-06J01
		2	50.540	53.600	1.520				22.00	0.020-0.109		
		3	50.340	53.400	1.520				22.00	0.020-0.109		
		4	50.140	53.200	1.520				22.00	0.020-0.109		
		5	49.940	53.000	1.520				22.00	0.020-0.109		
		6	49.740	52.800	1.520				22.00	0.020-0.109		
		7	49.540	52.600	1.520				22.00	0.020-0.109		
P.B. 1-6	28.000	31.000	1.530	32.80	0.025-0.045		12030-43G00					
<b>VG30/D</b> V6 87 x 83 2960cc	<b>MS-1211GP</b> (VG30 83 -ON)  <b>CB-1210A</b> (VG30 83-ON)  <b>CB-1211GP</b> (VG30D 86-ON)  <b>PB-1210J</b> (VG30 83-ON)  <b>PB-1211J</b> (VG30D 86-ON)	Main 1	62.975	66.672	1.830	22.50	0.010-0.099	9.2-10.2	12215-02P25			
		2,3	62.975	66.672	1.830				19.00	0.010-0.099	12215-F6500	
		Δ4	62.975	66.672	1.830				28.80	0.010-0.099		
		C.R. 1-6	49.974	53.013	1.508				17.00	0.014-0.048	4.5-5.5	12111-02P00
		C.R. 1-6	49.974	53.013	1.508				17.00	0.010-0.062	2.5+75°	12111-30P60
		P.B. 1-6										12030-21V00
		P.B. 1-6										12030-F6510
												12030-30P00

# SUBARU

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>EA65</b> 4 cyl 83 x 60 1298cc	<b>MS-1184GP</b> (78-ON)	Main 1.3 Δ2	49.970	54.004	2.010	21.00	0.02-0.07	6: 4.5-5.5 8: 2.3-2.7	88265-8840
			49.982	54.004	2.010	25.96	0.02-0.07		
<b>EA71</b> 4 cyl 92 x 60 1595cc	<b>CB-1124GP</b> (78-ON)  <b>PB-2300J</b> (78-ON)	C.R. 1-4	45.000	48.019	1.485	13.50	0.03-0.06	4.0-4.3	38291-4300
		P.B. 1-4	21.000	23.000	1.040	19.40			
<b>EA81</b> 4 cyl	<b>MS-2300GP</b> (79-ON)	Main 1.3 Δ2	54.970	59.018	2.020	21.00	0.02-0.07	6: 4.5-5.5 8: 2.3-2.7	48543-7000
			54.970	59.018	2.020	25.96	0.02-0.07		
<b>EA82</b> 4 cyl 92 x 67 1781cc	<b>CB-1124GP</b> (79-85)  <b>CB-2300GP</b> (85-ON)  <b>PB-2300J</b> (79-ON)	C.R. 1-4	45.000	48.019	1.485	13.50	0.03-0.06	10: 4.0-4.8 4.0-4.3	38291-4300
		C.R. 1-4	45.010	48.019	1.490	14.50	0.01-0.07	4.0-4.3	12108-AA090
		P.B. 1-4	21.000	23.000	1.040	19.40			47336-7001
<b>EF10</b> 3 cyl 78 x 69.6 997cc	<b>MS-2301GP</b> (83-ON)	Main 1.3 Δ2	41.980	45.024	1.510	20.00	0.02-0.06	4.2-4.8	48265-5400
			41.980	45.024	1.510	24.92	0.02-0.06		
<b>EF12</b> 3 cyl 78 x 83 1169cc	<b>CB-2301GP</b> (EF10 83-ON)  <b>CB-2302GP</b> (EF12 84 ON)	C.R. 1-3	42.000	45.016	1.490	15.00	0.02-0.07	4.0-4.5	48291-5600
		C.R. 1-3	42.000	45.016	1.495	15.00	0.01-0.08	4.0-4.5	12111-KA00
<b>EK21</b> 2 cyl 66 x 52.4 358cc	<b>MS-1126GP</b> (73-ON)	Main 1.2 Δ3	41.960	45.012	1.510	20.00	0.02-0.06	4.2-4.8	38265-2100 48265-1000
			41.960	45.012	1.510	24.96	0.02-0.06		
<b>EK22</b> 2 cyl 74 x 57 490cc	<b>CB-2303GP</b> (73-ON)	C.R. 1-2	38.000	41.016	1.490	14.00	0.02-0.06	3.5-4.1	38291-2100 48291-5400
<b>EK23</b> 2 cyl 76 x 60 544cc									

# SUZUKI

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>F5A</b> 3 cyl 62 x 60 543cc  <b>F5AT</b> 3 cyl 62 x 60 543cc	<b>MS-2402A</b> (81-ON)	Main 1-4	40.000	44.018	1.991	17.00	0.018-0.064	5.5-6.0	12300-78811
	<b>TW-2402A</b> (81-ON)	T.W. No.3	(I.D.)47.0	(O.D.)63.0	2.520				12300-78830
	<b>CB-2404A</b> (F5A 81-ON)	C.R. 1-3	32.000	35.018	1.490	16.00	0.018-0.064	2.8-3.2	12181-78130
	<b>CB-2401A</b> (F5AT 84-ON)	C.R. 1-3	38.000	41.018	1.493	18.00	0.018-0.064	2.8-3.2	12181-78400
	<b>PB-2401J</b> (81-ON)	P.B. 1-3	16.000	18.020	1.150	22.00			12165-73000
<b>F5B</b> 3 cyl  62 x 60 543cc	<b>MS-2402A</b> (88-ON)	Main 1-4	40.000	44.018	1.991	17.00	0.018-0.064	5.5-6.0	12300-78811
	<b>TW-2402A</b> (88-ON)	T.W. No.3	(I.D.) 47.0	(O.D.) 63.0	2.520				12300-78830
<b>F8A</b> 4 cyl 62 x 66 797cc  <b>F10A</b> 4 cyl 65.5 x 72 970cc	<b>MS-1179A</b> (F8A 77-82) (F10A 82-ON)	Main 1-5	50.000	54.018	1.990	20.00	0.018-0.064	5.5-6.0	12300-73811
	<b>TW-1179A</b> (F8A 77-82) (F10A 82-ON)	T.W. No.3	(I.D.) 57.0	(O.D.) 73.0	2.520				12300-73830
	<b>CB-1179A</b> (F8A 77-82) (F10A 82-ON)	C.R. 1-4	38.000	41.018	1.493	18.00	0.018-0.064	2.8-3.2	12181-73001
	<b>PB-1179J</b> (F8A 77-82) (F10A 82-ON)	P.B. 1-4	16.000	18.020	1.150	22.00			12165-73000
<b>G10</b> 3 cyl 74 x 77 993cc	<b>MS-2403A</b> (84-ON)	Main 1-4	45.000	49.018	2.006	18.00	0.020-0.068	5.0-5.7	12340-82000
	<b>TW-2403A</b> (84-ON)	No.3	(I.D.) 52.0	(O.D.) 68.0	2.520				12340-82820
	<b>CB-2403A</b> (84-ON)	C.R. 1-3	42.000	45.018	1.496	18.00	0.020-0.068	3.3-3.7	12100-82810

# SUZUKI

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>G13</b> 4 cyl 74 x 77 1324cc	<b>MS-2404A</b> (85-ON)	Main 1-5	45.000	49.018	2.006	18.00	0.020-0.068	5.0-5.7	12300-82000
	<b>TW-2403A</b> (85-ON)	T.W. No.4	(I.D.) 52.0	(O.D.) 68.0	2.520				12300-82820
	<b>CB-2404A</b> (85-ON)	C.R. 1-4	42.000	45.018	1.496	18.00	0.020-0.068	3.3-3.7	12100-82810
<b>G15</b> 4 cyl 75 x 90 1590cc	<b>MS-2405GP</b>	Main 1-5	52.000	56.018	2.012	18.00	0.024-0.038		12340-60A10
	<b>TW-2405GP</b>	T.W. 4	(I.D.) 59.25	(O.D.) 75.0	2.520				12300-60820
	<b>CB-2405A</b>	C.R. 1-4	44.000	47.018	1.502	18.00	0.004-0.064		12100-60820
<b>Y64</b> 3 cyl 68.5 x 72 796cc  <b>F8B</b> 3 cyl 68.5 x 72 796cc	<b>MS-2401A</b> (81-ON)	Main 1-4	50.000	54.018	1.990	17.00	0.018-0.064	5.0-6.0	12300-78860
	<b>TW-1179A</b> (81-ON)	T.W. No.3	(I.D.) 57.0	(O.D.) 73.0	2.520				12300-73830
	<b>CB-2401A</b> (81-ON)	C.R. 1-3	38.000	41.018	1.493	18.00	0.018-0.064	2.8-3.2	12181-78400
	<b>PB-2401J</b> (81-ON)	P.B. 1-3	16.000	18.020	1.150	22.00			12165-73000

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Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>1A</b> 4 cyl 77.5 x 77 1452cc  <b>2A</b> 4 cyl 76 x 71.4 1295cc  <b>3A</b> 4 cyl 77.5 x 77 1452cc  <b>4A</b> 4 cyl 81 x 77 1587cc  <b>5A</b> 4 cyl 78.7 x 77 1498cc  <b>4 A-GZE</b> 4 cyl 81 x 77 1587cc	<b>MS-1400A</b> (78-83)	Main 1-5	48.000	52.040	2.004	20.00	0.012-0.065	5.4-6.6	11701-15030
	<b>MS-1410GP</b> (83-ON)	Main 1-5	48.000	52.040	2.004	20.00	0.012-0.085	5.4-6.6	11701-16010
	<b>TW-1400A</b> (78-ON)	T.W. NO.3	(I.D.)53.5	(O.D.)66.0	2.490				11011-15010
	<b>CB-1400GP</b> (78-83)	C.R. 1-4	40.000	43.020	1.490	17.00	0.020-0.067	3.5-4.5	13041-15010
	<b>CB-1410GP</b> (83-ON)	C.R. 1-4	40.000	43.020	1.490	17.10	0.020-0.067	3.5-4.5	13041-15030
	<b>CB-1425GP</b> (4A-GZE 87-ON)	C.R. 1-4	42.000	45.024	1.490	17.00	0.020-0.085	4.2	13041-16070
	<b>PB-1425J</b> (4A-GZE 87-ON)	P.B. 1-4							90999-73111
<b>1C</b> 4 cyl 83 x 85 1839cc  <b>2C</b> 4 cyl 86 x 85 1974cc	<b>MS-1408A</b> (82-85)	Main 1-5	57.000	61.024	1.983	22.00	0.034-0.070	9.8-11.2	11701-64010
	<b>MS-1421A</b> (85-ON)	Main 1-5	57.000	61.024	1.990	20.00	0.034-0.070	9.8-11.2	11701-64050
	<b>TW-1408A</b> (82-ON)	T.W. No.3	(I.D.)63.0	(O.D.)76.8	2.730				11011-64010
	<b>CB-1408A</b> (82-85)	C.R. 1-4	50.500	53.524	1.482	23.70	0.036-0.070	6.0-7.0	13041-64010
	<b>CB-1421A</b> (85-ON)	C.R. 1-4	50.500	53.524	1.482	18.90	0.036-0.070	6.0-7.0	13041-64050
	<b>PB-1408J</b> (82-85)	P.B. 1-4	27.000	30.025	1.530	27.50	0.007-0.015		90999-73091
	<b>PB-1421J</b> (85-ON)	P.B. 1-4	27.000	30.021	1.530	(U) 20.00 (U) 28.00	0.004-0.014		90999-73102

# TOYOTA

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>1E</b> 4 cyl 70.5 x 64 999cc  <b>2E</b> 4 cyl 73 x 77.4 1295cc  <b>3E</b> 4 cyl 73 x 87 1456cc	<b>MS-1415A</b> (84-86) <b>MS-1424A</b> (86-ON)	Main 1-5	47.000	51.036	2.000	16.00	0.018-0.06	4.6-7.0	11702-10010
		Main 1-5	50.000	54.040	2.000	16.00	0.022-0.08		11701-11010
	<b>TW-1415A</b> (84-86)  <b>TW-1424A</b> (86-ON)	T.W. No.3	(I.D.)52.65	(O.D.)64.5	2.475				11011-11020
		T.W. No.3							11011-11010
	<b>CB-1415A</b> (84-86) <b>CB-1424A</b> (86-ON)	C.B. 1-4	40.000	43.021	1.499	15.00	0.016-0.072	3.7-4.3	13041-10021
		C.R. 1-4	43.000	46.024	1.492	15.00	0.016-0.081	4.0	13041-11020
<b>1FZ</b> 6 cyl 100 x 95 4476cc	<b>MS-1438A</b> (90-ON)  <b>TW-1438A</b> (90-ON)	Main 1-7	68.980	74.040	2.492	23.40			11701-66020
		T.W.			2.490				11011-66020
	<b>CB-1438A</b> (90-ON)  <b>PB-1438J</b> (90-ON)	C.R. 1-6	56.980	60.540	1.745	21.40			13041-66020
		P.B. 1-6	26.000	28.030	1.025	28.00			90999-73135
<b>1G</b> 6 cyl 75 x 75 1988cc	<b>MS-1402A</b> (80-85) <b>TW-1402A</b> (80-ON) <b>CB-1402GP</b> (80-85)	Main 1-7	55.000	59.050	2.000	19.20	0.020-0.085	5.4-6.6	11701-70012
		T.W. No.4	(I.D.)61.0	(O.D.)73.0	1.990				11011-70010
	C.R. 1-6	42.000	45.024	1.498	18.90	0.016-0.063	4.0-5.0	13041-70010	

# TOYOTA

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>1HZ</b> 6 cyl 94 x 100 4163cc  <b>1HD-T</b> 6 cyl 94 x 100 4163cc	<b>MS-1436A</b> (88-ON) <b>TW-1436A</b> (88-ON)	Main 1-7	67.000	71.020	1.985	22.00			11701-17010
		T.W.							11011-17010
	C.R. 1-6	<b>CB-1436A</b> (88-ON) <b>SH-1436B</b> (88-ON)	59.000	62.020	1.505	23.60			13041-17010
			Cam 1-2	35.000	38.020	1.505	29.00		
P.B. 1-6	<b>PB-1436J</b> (1HZ 88-ON)	29.000	32.000	1.530	27.00			90999-73126	
<b>1PZ</b> 5 cyl 94 x 100 3470cc	<b>MS-1439A*</b> (88-ON) <b>TW-1436A*</b> (88-ON)	Main 1-6	67.000	71.020	1.985	22.00			11701-17010
		T.W.							11011-17010
	C.R. 1-5	<b>CB-1439A*</b> (88-ON) <b>SH-1436A*</b> (88-ON)	59.000	62.020	1.505	23.60			13041-17010
			Cam	35.000	38.020	1.530	29.00		
	P.B. 1-5	<b>PB-1439J*</b> (88-ON)	29.000	32.000	1.530	27.00			90999-73126
<b>1RZ</b> 4 cyl 1988cc  <b>2RZ</b> 4 cyl 2438cc	<b>MS-1435A</b>  <b>TW-1435A</b>	Main 1-2	59.980	64.020	1.996	25.00			11701-75010
		3-5	59.980	64.020	1.996	23.00			
	T.W.								11011-75010
	C.R. 1-4	<b>CB-1435A</b>  <b>PB-1435J</b>	52.990	56.020	1.499	19.80			13041-75010
P.B.									90999-73129

\*Available until inventory is depleted

# TOYOTA

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>1S</b> 4 cyl 80.5 x 90 1832cc  <b>2S</b> 4 cyl 84 x 90 1995cc  <b>3S</b> 4 cyl 86 x 86 1998cc  <b>4S</b> 4 cyl 86 x 86 1998cc  <b>5S</b> 4 cyl 2164cc	<b>MS-1404A</b> (81-ON)  <b>TW-1117K</b> (81-84)  <b>TW-1441A</b> (84-ON)  <b>CB-1404A</b> (81-84)  <b>CB-1419GP</b> (84-85)  <b>CB-1441GP</b> (85-ON)  <b>PB-1441J</b> (85-ON)	Main							
		1.2.4.5.	55.000	59.038	2.000	19.00	0.020-0.088	5.4-6.6	11701-63020
		No.3	55.000	59.038	1.995	23.00	0.020-0.088		11011-25010
		T.W.							
		No.3	(I.D.)64.0	(O.D.)76.0	2.490				11011-74020
		T.W.							
		C.R.							13041-63020
		1-4	47.985	51.024	1.488	20.50	0.024-0.088	4.5-5.5	
		C.R.							13041-88360
		1-4	47.985	51.024	1.492	21.30	0.016-0.081	4.5-5.5	13041-74030
C.R.									
1-4	52.000	55.000	1.497	20.30			90999-73112		
P.B.									
<b>1VZ-FE</b> V6 78 X 69.5 1992CC  <b>3VZ-E-FE</b> V6 2959cc  <b>4VZ-FE</b> V6 2496cc	<b>MS-1423GP</b> (87-ON)  <b>MS-1437GP</b> (3VZ-E 87-ON)  <b>TW-1423K</b> (87-ON)  <b>CB-1423GP</b> (1VZ-FE 87-ON)  <b>CB-1437GP</b> (3VZ-E 87-ON)	Main							
		1	64.000	68.028	1.992	22.00	0.026-0.085	6.25 + 90°	11701-62010
		2.3.4.	64.000	68.028	1.992	20.00	0.026-0.085		11701-62021
		Main							
		1	64.000	68.028	1.992	22.00			11011-62010
		2-4	64.000	68.028	1.992	20.00			
		T.W.							
		No.	(I.D.)71.25	(O.D.)86.5	2.480				13041-62010
		C.R.							
		1-6	48.000	51.024	1.488	17.00	0.024-0.087	2.5 + 90°	13041-65020
C.R.									
1-6	55.000	58.000	1.490	16.80					

# TOYOTA

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number	
			Shaft Dia	Housing Bore	Wall Thickness					
<b>1W</b> 4 CYL 104 X 118 4009CC	<b>MS-2109GP</b> (83-ON)	Main 1-5	72.960	78.000	2.490	25.00	0.039-0.090	14-16	11701-78010	
	<b>TW-2109GP</b> (83-ON)	T.W. No.4	(I.D.)82.25	(O.D.)98.7	2.500				11011-78010	
	<b>CB-2109GP</b> (83-ON)	C.R. 1-4	61.960	66.000	1.995	28.00	0.031-0.082	11.0-13.5	13041-78010	
	<b>SH-2109B</b> (83-ON)	Cam No.1 No.2 No.3	56.970 56.770 56.570	60.030 59.830 59.630	1.500 1.500 1.500	27.00 27.00 27.00	0.030-0.120 0.030-0.120 0.030-0.120		11801-78010	
	<b>PB-2109J</b> (83-ON)	P.B. 1-4	35.000	39.025	2.040	38.00	0.015-0.036		90999-73095	
<b>1Y</b> 4 cyl 86 x 70 1626cc <b>2Y</b> 86 x 78 1812cc <b>3Y</b> 4 cyl 86 x 86 1998cc	<b>MS-1407A</b> (83-ON)	Main 1-5	58.000	62.020	1.990	20.70	0.020-0.067	8.0-8.5	11701-71020	
	<b>TW-1117K</b> (83-ON)	T.W. No.3	(I.D.)64.0	(O.D.)76.0	2.490				11011-25010	
	<b>CB-1407A</b> (83-ON)	C.R. 1-4	48.000	51.020	1.490	19.90	0.020-0.067	5.0-5.5	13041-71020	
	<b>SH-1407B</b> (83-ON)	Cam No.1 No.2 No.3 No.4 No.5	46.475 46.225 45.975 45.725 45.475	50.030 49.780 49.030 49.280 49.530	1.750 1.750 1.500 1.750 2.000	18.00 16.00 18.00 16.00 18.00	0.025-0.081 0.025-0.081 0.025-0.081 0.025-0.081 0.025-0.081		11802-71010	
	<b>2T</b> 4 cyl 85 x 70 1588cc	<b>MS-1104GP*</b> (T,2T 70-71)	Main 1,2,4,5. ΔNo.3	57.990 57.990	62.024 62.024	1.997 1.997	20.80 30.90	0.020-0.084 0.020-0.084	7.2-8.8	11702-25011
		<b>MS-1117GP</b> (71-ON)	Main 1-5	57.990	62.024	1.997	20.80	0.020-0.084	7.2-8.8	11702-25013
		<b>TW-1117K</b> (70-85)	T.W. No.3	(I.D.)64.0	(O.D.)76.0	2.490				11011-25010
	<b>3T</b> 4 cyl 85 x 78 1770cc	<b>CB-1117GP</b> (70-ON)	C.R. 1-4	47.990	51.024	1.494	19.80	0.016-0.086		13202-25010
	<b>12T</b> 4 cyl 85 x 70 1588cc <b>13T</b> 4 cyl 85 x 78 1770cc <b>U</b> 4 cyl 85 x 78 1770cc	<b>SH-1104B</b> (ALL EXCEPT 3T-GE,U 71-ON)	Cam No.1 No.2 No.3 No.4 No.5	46.475 46.225 45.975 45.725 45.475	50.030 49.780 49.030 49.280 49.530	1.745 1.745 1.495 1.745 1.995	18.00 16.00 18.00 16.00 18.00	0.015-0.096 0.015-0.096 0.015-0.096 0.015-0.096 0.015-0.096	4.0-5.0	11802-25010

# TOYOTA

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>2R</b> 4 cyl 78 x 78 1490cc  <b>4R</b> 4 cyl 80.5 x 78 1587cc  <b>12R</b> 4 cyl 80.5 x 78 1587cc	<b>MS-1060A</b> (64-ON)	Main							11702-31020
		No.1	58.000	61.624	1.790	30.00	0.020-0.088	10.0-11.0	
		No.2	58.000	61.624	1.790	34.00	0.020-0.088		
	No.3	58.000	61.624	1.790	40.00	0.020-0.088			
	<b>TW-1007A</b> (64-ON)	T.W.							11011-31020
		No.2	(I.D.)64.0	(O.D.)76.0	3.000				
	<b>CB-1035A</b> (64-ON)	C.R.							13202-31020
		1-4	50.000	53.03	1.498	27.00	0.020-0.065	5.0-6.0	
	<b>SH-1060B</b> (64-ON)	Cam							11802-31010
		No.1	46.475	50.025	1.760	28.00	0.005-0.086		
		No.2	46.225	50.025	1.885	42.00	0.005-0.086		
		No.3	45.975	50.025	2.010	25.00	0.005-0.086		
P.B.									
<b>PB-1035J</b> (64-ON)	1-4	20.016	22.025	1.045	27.00	0.006-0.010		90999-73027	
<b>3P</b> 4 cyl 76.6 x 73 1345cc  <b>4P</b> 4 cyl 76.6 x 81 1493cc	<b>MS-1062GP</b> (67-ON)	Main							11702-23011
		1-3	52.000	56.047	2.004	29.00	0.015-0.071	9.8-11.2	
	<b>TW-1005B</b> (67-ON)	T.W.							11011-23010
		No.2	(I.D.)57.0	(O.D.)69.0	2.470				
	<b>CB-1062GP</b> (67-ON)	C.R.							13202-23012
		1-4	47.000	50.043	1.504	23.00	0.013-0.067	4.2-4.8	
	<b>SH-1062B</b> (67-ON)	Cam							11802-23010
		No.1	46.975	51.025	2.000	24.00	0.025-0.090		
		No.2	46.775	51.025	2.100	20.00	0.025-0.090		
	<b>PB-1062J</b> (67-ON)	No.3	46.575	51.025	2.200	24.00	0.025-0.090		90999-73059
		P.B.							
	1-4	20.012	22.021	1.030	24.00	0.006-0.010			
<b>5R</b> 4 cyl 88 x 82 1994cc	<b>MS-1107GP</b> (68-78)	Main							11702-44020
		No.1	60.000	64.030	1.990	28.00	0.020-0.090	10.5-11.5	
		ΔNo.2	60.000	64.030	1.990	41.90	0.020-0.090		
	<b>MS-1159A</b> (78-ON)	Main							11702-44040
		No.1	60.000	64.030	1.990	28.00	0.016-0.096	10.3-11.7	
		No.2.3	60.000	64.030	1.990	36.00	0.016-0.096		
	<b>TW-1133GP</b> (78-ON)	T.W.							11011-38010
		No.2	(I.D.)66.0	(O.D.)80.0	1.990				
	<b>CB-1046A</b> (67-ON)	C.R.							13202-44012
		1-4	55.000	58.040	1.505	26.00	0.017-0.072	6.0-7.0	
	<b>SH-1107B</b> (67-ON)	Cam							11802-40010 11802-40011
		No.1	46.475	50.025	1.750	29.00	0.025-0.090		
		No.2	46.225	50.025	1.875	20.00	0.025-0.090		
		No.3	45.975	50.025	2.000	46.00	0.025-0.090		
		No.4	45.725	50.025	2.125	19.00	0.025-0.090		
	<b>PB-1046J</b> (67-ON)	No.5	45.475	50.025	2.250	28.00	0.025-0.090		90999-73064
		P.B.							
1-4	22.009	24.021	1.045	30.80	0.005-0.011				

# TOYOTA

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>6R</b> 4 cyl 86 x 73.5 1707cc	<b>MS-1094GP</b> (68-77)  <b>MS-1152GP</b>	Main							
		1.2.4.5. ΔNo.3	60.000	64.024	1.997	22.00	0.016-0.080	10.0-11.0	11702-33011
<b>7R</b> 4 cyl 86 x 68.5 1591cc	(77-82)  <b>TW-1133K</b> (77-82)	Main							
		1.2.4.5. No.3	60.000	64.024	1.997	22.00	0.016-0.080	10.0-11.0	11702-31012
<b>8R</b> 4 cyl 86 x 80 1858cc	<b>CB-1133GP</b> (68-82) <b>SH-1068A</b> (77-82)	T.W.							
		No.3	(I.D.)66.0	(O.D.)80.0	1.990				11011-38011
<b>10R</b> 4 cyl 86 x 80 1858cc	<b>PB-1068J</b> (68-82) <b>DB-1152B</b>	C.R.							
		1-4	53.000	56.024	1.497	22.00	0.024-0.080	5.8-6.6	13202-38011
<b>16R</b> 4 cyl 88.5 x 80 1968cc	(74-82)	Cam							
		No.1234	34.996	38.038	1.504	20.10	0.012-0.064	1.2-2.3	11802-33010
<b>18R</b> 4 cyl 88.5 x 80 1968cc		No.1/L	34.996	38.038	1.504	28.00	0.012-0.064		
		P.B. 1-4	22.019	24.021	1.045	28.80	0.005-0.011		90999-73072
		D.B.							
		No.2	41.000	45.025	2.000	20.00	0.030-0.070		11022-33010
<b>20R</b> 4 cyl 88.5 x 89 2189cc	<b>MS-1133GP</b> (74-82)  <b>MS-1405GP</b> (82-ON)	Main							
		1.2.4.5. No.3	60.000	64.024	1.997	22.00	0.016-0.080	10.0-11.0	11702-38010
<b>21R</b> 4 cyl 84 x 89 1978cc	<b>TW-1133K</b> (74-84) <b>TW-1405A</b> (84-ON) <b>CB-1133GP</b> (74-ON)	Main							
		1-5	60.000	64.024	1.997	22.00	0.025-0.080	10.0-11.0	11702-38011
<b>22R</b> 4 cyl 92 x 89 2366cc	<b>PB-1068J</b> (74-ON)	T.W.							
		No.3	(I.D.)66.0	(O.D.)80.0	1.990				11011-38010
		T.W.							
		No.4	(I.D.)66.0	(O.D.)80.0	2.750				11011-35020
		C.R.							
		1-4	53.000	56.024	1.497	22.00	0.025-0.080	5.8-6.6	13202-38011
		P.B.							
		1-4	22.019	24.021	1.045	28.80	0.005-0.011		90999-73072

# TOYOTA

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number		
			Shaft Dia	Housing Bore	Wall Thickness						
<b>B</b> 4 cyl 95 x 105 2977cc	<b>MS-1121A</b> (B,2B,3B 72-84)	Main 1.2.4.5.	70.000	75.024	2.490	27.60	0.020-0.084	9.8-11.2	11702-56010		
	<b>MS-1417A</b> (B,3B,11B,13B) (84-88)	Main ΔNo.3 1-5	70.000	75.024	2.490	23.90	0.020-0.084		11702-56020		
<b>2B</b> 4 cyl 98 x 105 3168cc	<b>MS-1428A</b> (B 88-ON)	Main 1-5	70.000	75.024	2.485	26.90	0.020-0.084	19-21	11701-56030		
	<b>TW-1417A</b> (84-ON)	T.W. NO.3	(I.D.)76.25	(O.D.)90.5	2.475				11011-56010		
<b>3B</b> 4 cyl 102 x 105 3431cc	<b>CB-1121A</b> (B,2B 72-84)	C.R. 1-4	59.000	62.020	1.490	30.00	0.020-0.080	6.5-7.5	13202-56010		
	<b>CB-1401A</b> (3B,11B,13B/T) (80-88)	C.R. 1-4	61.000	64.020	1.485	30.00	0.020-0.080	8.5-9.5	13202-58010		
	<b>CB-1428A</b> (B 88-ON)	C.R. 1-4	59.000	62.025	1.485	30.00	0.020-0.080	8.5-9.5	13041-56030		
<b>11B</b> 4 cyl 95 x 105 2977cc	<b>CB-1429A</b> (3B,11,13B 88-ON)	C.R. 1-4	61.000	64.000	1.485	30.00	0.020-0.084	8.5-9.5	13041-56040		
	<b>SH-1121B</b> (B,2B 74-80)	Cam No.1 No.2 No.3	47.175 46.975 46.775	51.060 51.060 51.060	1.915 2.015 2.115	23.70 19.80 23.70	0.025-0.111 0.025-0.111 0.025-0.111		11802-56011		
	<b>SH-1401B</b> (B 80-84)	Cam No.1 No.2 No.3	47.175 46.975 46.775	51.060 51.060 51.060	1.915 2.015 2.115	23.70 19.80 23.70	0.025-0.111 0.025-0.111 0.025-0.111		11802-56011		
<b>13B</b> 4 cyl 102 x 105 3431cc	<b>SH-1417B</b> (B,3B,11B,13B/T) (84-ON)	Cam No.1 No.2 No.3 No.4 No.5	53.475 53.225 52.975 52.725 52.475	56.530 56.280 56.030 56.030 56.280	1.510 1.510 1.510 1.635 1.885	20.00 20.00 20.00 20.00 20.00	0.025-0.066 0.025-0.066 0.025-0.066 0.025-0.066 0.025-0.066		11802-56020		
		P.B. 1-4	29.012	33.025	2.030	32.00	0.004-0.012		90999-73065		
		P.B. 1-4	32.010	36.030	2.030	32.00	0.004-0.012		90999-73088		
		<b>14B</b>	<b>PB-1417J</b> (3B,11B,13B 84-88)	P.B. 1-4	34.010	38.025	2.040	36.00	0.004-0.014		90999-73122

# TOYOTA

Engine, Cyl Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number	
			Shaft Dia	Housing Bore	Wall Thickness					
<b>D</b> 6 cyl 100 x 125 5890cc	<b>MS-1040GP*</b> (64-ON)	Main							11702-77010	
		1-3/5-7 No.4	74.990 74.990	81.040 81.040	3.001 3.001	34.00 49.00	0.028-0.087 0.028-0.087	13.0-15.0		
	<b>2D</b> 6 cyl 105 x 125 6494cc	<b>TW-1040B*</b> (64-ON)	T.W. No.4	(I.D.)83.40	(O.D.)99.8	2.990				11011-76010
			C.R. 1-6	61.990	66.055	1.993	31.00	0.030-0.095	7.0-8.0	13202-77020
		<b>PB-1040J*</b> (64-76)	P.B. 1-6	34.030	40.030	3.045	37.00	0.015-0.025		90999-70005
			<b>PB-1041J*</b> (76-ON)	P.B. 1-6	34.030	38.030	2.035	37.00	0.015-0.025	
<b>F</b> 6 cyl 90 x 101.6 3878cc	(MS-1007GP*) (F 54-73)	Main No.1	67.000	72.035	2.485	32.00	0.020-0.084	13.0-15.0	11702-60012	
		No.2	68.500	73.535	2.485	30.00	0.020-0.084			
		ΔNo.3	70.000	75.035	2.485	36.00	0.020-0.084			
		No.4	71.500	76.535	2.485	40.00	0.020-0.084			
	<b>2F</b> 6 cyl 94 x 101.6 4230cc	<b>MS-1123A</b> (F 73-75) (2F 75-ON)	Main No.1	67.000	72.035	2.497	32.00	0.020-0.084	13.0-15.0	11702-60013
			No.2	68.500	73.535	2.497	30.00	0.020-0.084		
			ΔNo.3	70.000	75.035	2.497	35.90	0.020-0.084		
			No.4	71.500	76.535	2.497	40.00	0.020-0.084		
	<b>3F</b> 6 cyl 94 x 95 3995cc	<b>MS-1413A</b> (3F 84-ON)	Main No.1	66.996	72.034	2.497	32.00	0.020-0.090	M12-bolt 11.75	11702-61010
			No.2	68.496	73.534	2.497	30.00	0.020-0.090		
			No.3	69.996	75.034	2.497	28.00	0.020-0.090		
			No.4	71.496	76.534	2.497	40.00	0.020-0.090	M14-bolt	
<b>3F</b> 6 cyl 94 x 95 3995cc	<b>TW-1413A</b> (3F 84-ON)	T.W. No.3	(I.D.)78.25	(O.D.)91.0	2.480			13.75	11011-61010	
		C.R. 1-6	54.000	56.820	1.392	33.00	0.020-0.070	4.8-7.6	13202-60011	
	<b>CB-1123A</b> (F 54-75) (2F 75-ON)	C.R. 1-6	53.000	56.018	1.505	22.00	0.020-0.070	6.0-6.5	13202-61010	
		<b>SH-1123B</b> (54-ON)	Cam No.1	47.975	52.035	2.010	29.00	0.025-0.120		11802-60011
	<b>PB-1413J</b> (3F 84-ON)	No.2	46.475	50.350	2.010	24.00	0.025-0.120			
		No.3	44.975	49.030	2.010	24.00	0.025-0.120			
		No.4	43.475	47.530	2.010	25.00	0.025-0.120			
		P.B. 1-6	22.019	24.021	1.045	28.80	0.005-0.011		90999-73072	

\*Available until current inventory is depleted

# TOYOTA

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number	
			Shaft Dia	Housing Bore	Wall Thickness					
<b>H</b> 6 cyl 88 x 98 3576cc	<b>MS-1427A</b> (69-ON)	Main 1-3/5-7 No.4	70.000	74.022	1.990	24.50	0.030-0.068	10.0-11.0	11702-47012	
			70.000	74.022	1.990	31.50	0.030-0.068		11071-68020	
	<b>TW-1063B</b> (69-87)	T.W. No.4	(I.D.)76.50	(O.D.)89.8	2.980				11011-46020	
									11011-68020	
	<b>TW-1427A</b> (87-ON)	T.W. No.4	(I.D.)76.25	(O.D.)90.0	2.980					
	<b>2H</b> 6 cyl 91 x 102 3980cc	<b>CB-1080A</b> (69-87)	C.R. 1-6	55.010	58.020	1.488	27.50	0.030-0.070	6.5-7.5	13202-47011
		<b>CB-1427A</b> (87-ON)	C.R. 1-6	55.000	58.020	1.486	25.50	0.030-0.070	9.0	11802-46010
		<b>SH-1063B</b> (69-75)	Cam No.1	47.180	51.019	1.900	24.00	0.025-0.106		
				46.980	51.019	2.000	20.00	0.025-0.106		
46.780				51.019	2.100	20.00	0.025-0.106			
46.580				51.019	2.200	24.00	0.025-0.106			
<b>SH-1080B</b> (76-82)	Cam No.1	47.175	51.025	1.900	24.00	0.025-0.106		11802-48010		
		46.975	51.025	2.000	20.00	0.025-0.106				
		46.775	51.025	2.100	20.00	0.025-0.106				
		46.575	51.025	2.200	24.00	0.025-0.106				
<b>SH-1403B</b> (82-ON)	Cam No.1	51.175	55.020	1.900	24.00	0.030-0.115		11802-68010		
		50.975	55.020	2.000	20.00	0.030-0.115				
		50.775	55.020	2.100	20.00	0.030-0.115				
		50.575	55.020	2.200	24.00	0.030-0.115				
<b>PB-1080J</b> (69-81)	P.B. 1-6	27.012	30.021	1.530	31.00	0.004-0.012		90999-73083		
								90999-73087		
<b>PB-1403J</b> (82-87)	P.B. 1-6	29.000	33.030	2.030	31.00	0.004-0.012		90999-73108		
<b>PB-1427J</b> (87-ON)	P.B. 1-6	32.000	36.000	2.040	31.00	0.004-0.012				
<b>12H-T</b> 6 cyl 91 x 102 3980cc	<b>MS-1137GP</b> (65-ON)	Main No.1245 No.3	70.000	74.022	1.990	24.50	0.022-0.082	10.0-11.0	11702-48012	
			70.000	74.022	1.990	31.40	0.022-0.082		11011-46020	
	<b>TW-1063B</b> (65-ON)	T.W. No.3	(I.D.)76.5	(O.D.)89.8	29.800				13202-48010	
									11802-46010	
	<b>CB-1063A</b> (65-ON)	C.R. 1-4	55.010	58.020	1.488	27.50	0.030-0.070	6.5-7.5		
	<b>SH-1063B</b> (65-72)	Cam No.1	47.180	51.019	1.900	24.00	0.025-0.106		11802-48010	
			46.980	51.019	2.000	20.00	0.025-0.106			
			46.780	51.019	2.100	20.00	0.025-0.106			
			46.580	51.019	2.200	24.00	0.025-0.106			
	<b>SH-1080B</b> (72-ON)	Cam No.1	47.175	51.025	1.900	24.00	0.025-0.106		11802-48010	
			46.975	51.025	2.000	20.00	0.025-0.106			
46.775			51.025	2.100	20.00	0.025-0.106				
46.575			51.025	2.200	24.00	0.025-0.106				
<b>PB-1063J</b> (65-ON)	P.B. 1-4	27.012	30.021	1.530	31.00	0.004-0.012		90999-73083		

# TOYOTA

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Position	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>K</b> 4 cyl 75 x 61 1077cc <b>2K</b> 4 cyl 72 x 61 993cc <b>3K</b> 4 cyl 75 x 66 1166cc  <b>4K</b> 4 cyl 75 x 73 1290cc <b>5K</b> 4 cyl 80.5 x 73 1486cc	<b>MS-1056GP</b> (66-82) <b>MS-1416A</b> (83-ON)	Main 1-5	50.000	54.028	1.994	21.80	0.016-0.090	5.4-6.6	11702-22020
		Main 1-5	50.000	54.028	2.000	21.00	0.016-0.090	5.4-6.6	11701-13011
	<b>TW-1056B</b> (66-ON) <b>CB-1056GP</b> (66-82)	T.W. No.3	(I.D.)55.30	(O.D.)67.8	2.480				11011-22010
		C.R. 1-4	42.000	45.024	1.496	18.80	0.023-0.082	4.0-5.0	13202-22010
	<b>CB-1416A</b> (83-ON) <b>SH-1056B</b> (66-ON)	C.R. 1-4	42.000	45.024	1.500	19.00	0.023-0.082	4.0-5.0	13041-13040
		Cam No.1	43.225	48.025	2.380	17.90	0.025-0.106		11802-22010
		No.2	42.975	47.525	2.255	17.90	0.025-0.106		
		No.3	42.725	47.025	2.130	17.90	0.025-0.106		
		No.4	42.475	46.525	2.005	17.90	0.025-0.106		
	<b>PB-1056J</b> (66-ON)	P.B. 1-4	18.011	20.021	1.045	25.00	0.004-0.008		90999-73070
<b>L</b> 4 cyl 90 x 86 2188cc  <b>2L</b> 4 cyl 92 x 92 2446cc  <b>3L</b> 4 cyl 96 x 96 2779cc  <b>2L-T</b>	<b>MS-1161A</b> (78-83) <b>MS-1406A</b> (84-ON) <b>TW-1161A</b> (78-ON)	Main 1-5	62.000	66.000	1.987	27.50	0.026-0.100	11.5-12.5	11702-54010
		Main 1-5	62.000	66.000	1.987	27.50	0.026-0.100	10.5	11701-54060
	<b>CB-1161A</b> (78-83) <b>CB-1406A</b> (83-84)	T.W. No.3	(I.D.)70.00	(O.D.)82.0	2.490				11011-54010
		C.R. 1-4	53.000	56.000	14.90	26.00	0.028-0.094	5.0-6.0	13202-54010
	<b>CB-1411A</b> (84-ON) <b>SH-1161A</b> (78-87)	C.R. 1-4	53.000	56.000	1.486	26.00	0.028-0.094	5.0-6.0	13041-54013
		C.R. 1-4	55.000	58.024	1.486	26.00	0.028-0.094	5.0-6.0	13041-54040
	<b>SH-1431A</b> (88-ON) <b>PB-1063J</b> (78-83) <b>PB-1411J</b> (84-88)	Cam No.1	34.985	38.027	1.500	28.00	0.022-0.074	1.5-2.2	11802-54010
		No.2,3	34.985	38.027	1.500	20.00	0.022-0.074		11802-54020
	<b>PB-1063J</b> (78-83) <b>PB-1411J</b> (84-88)	Cam ΔNo.1	34.985	38.027	1.500	32.60			11802-54020
		2-5	28.000	31.000	1.500	17.40			
	<b>PB-1406J</b> (83-84) <b>PB-1431J</b> (88-ON)	P.B. 1-4	27.012	30.021	1.530	31.00	0.004-0.012		90999-73083
		P.B. 1-4	29.012	32.025	1.530	31.00	0.004-0.012		90999-73094
		P.B. 1-4	27.012	30.021	1.530	(U)23.00 (L)31.00			90999-73114
		P.B. 1-4	29.012	32.025	1.530	(U)23.00 (L)31.00			90999-73115

# TOYOTA

Engine, Cyl. Bore-Stroke Cubic Disp.	NDC SET No. (Year Mfr.)	Posi- tion	Dimension STD Size Max. mm			Length mm	Oil Clearance mm	Fixed Torque (m.kg)	OEM STD Set Number
			Shaft Dia	Housing Bore	Wall Thickness				
<b>M</b> 6 cyl 75 x 75 1988cc	<b>MS-1051GP</b> (66-83) <b>MS-1414GP</b> (84-ON)	1-7	60.000	64.022	1.998	22.13	0.014-0.082	9.9-10.9	11702-45011
		Main 1	60.000	64.022	1.998	25.13	0.014-0.082	9.9-10.9	11702-43010
		2-7	60.000	64.022	1.998	22.13	0.014-0.082		
<b>4M</b> 6 cyl 80 x 85 2563cc	<b>TW-1006B</b> (66-ON) <b>CB-1171GP</b> (M84-ON)	T.W. No.4	(I.D.)66.0	(O.D.)80.0	2.975				11011-45010
		C.R. 1-6	52.000	55.015	1.500	20.00	0.017-0.073	4.2-4.8	13202-45011
<b>5M</b> 6 cyl 83 x 85 2759cc	<b>CB-1414GP</b> (5M,6M,7M, 84-ON) <b>SH-1068A</b> (66-84)	C.R. 1-6	52.000	55.015	1.499	20.00	0.021-0.090	4.2-4.8	13041-42010
		Cam No.1-4	34.996	38.014	1.509	20.10	0.012-0.064	1.5-2.2	11022-41010
		No.1/L	34.996	38.014	1.509	28.00	0.012-0.064		
<b>6M</b> 6 cyl 83 x 91 2954cc	<b>PB-1051J</b> (66-ON) <b>DB-1171B</b> (79-ON)	P.B. 1-6	22.009	24	1.035	24.80	0.005-0.011		90999-73066
		D.B. No.1	40.970	44.975	2.020	16.20	0.025-0.060		11022-41010
		No.2	32.970	36.975	2.020	16.20	0.025-0.060		
<b>7M</b> 6 cyl 83 x 91 2954cc									