

Mighty Max / Dodge Ram50 Pickup Trucks				Piston Bore & Stroke				
122 CID (2.0L) SOHC 8V L4 Mitsubishi G63B Year : 1986 Non - Turbo				3.346"/85.0mm x 3.465"/88.0mm				
COUNTER DATA				SHOP DATA				
BEARING OR POSITION	BEARING MATERIAL	PART NUMBER	AVAILABLE UNDERSIZES	STD SHAFT DIAMETER	VERT OIL CLEARANCE	MAX WALL	BRG O.D. HOUSING BORE	MAX LENGTH
Balance Shaft Bearing Set LH; Rear RH; Front RH; Rear For Year(s): 1985-1998 NOTE: From 8/85				STD				
				1.6129	0.0010/0.0031	0.0589	1.7333	0.8268
				1.6526	0.0010/0.0031	0.0593	1.7726	0.7480
				1.6129	0.0010/0.0031	0.0589	1.7333	0.8268

Silent shafts (Use 1986 / 2.0L only)

Right silent shaft

Front bearing journal diameter	1.650 inch
Front bearing oil clearance	
1987 only	0.0031 to 0.0043 inch
All others	0.0008 to 0.0024 inch
Rear bearing journal diameter	1.610 inch
Rear bearing oil clearance	
1987 only	0.0043 to 0.0055 inch
All others	0.0020 to 0.0036 inch

Left silent shaft

Front bearing journal diameter	0.728 inch
Front bearing oil clearance	
1983 through 1986	0.0008 to 0.0020 inch
1987 only	0.0008 to 0.0021 inch
All others	0.0008 to 0.0024 inch
Rear bearing journal diameter	1.610 inch
Rear bearing oil clearance	
1987 only	0.0043 to 0.0055 inch
All others	0.0020 to 0.0036 inch

Torque specifications *

	Ft-lbs
Main bearing cap bolts	37 to 39
Connecting rod cap nuts	37 to 38

Crankshaft and connecting rods (Use 1986 / 2.0L only)

Connecting rod journal

1983 through 1987	
Diameter	1.7720 inch
Out-of-round/taper limits	0.0004 inch
Bearing oil clearance	0.0008 to 0.0020 inch

1988 on

Diameter	1.7720 inch
Out-of-round	0.0006 inch
Taper limits	0.0002 inch
Bearing oil clearance	0.0006 to 0.0020 inch

Connecting rod endplay (side clearance)

Main bearing journal	0.004 to 0.010 inch
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1983 through 1987

Diameter	2.2440 inches
Out-of-round limits/taper limits	0.0004 inch
Bearing oil clearance	0.0008 to 0.0020 inch

1988 on

Diameter	2.2440 inches
Out-of-round limits	0.0006 inch
Taper limit	0.0002 inch
Bearing oil clearance	0.0008 to 0.0020 inch

Crankshaft endplay

	0.002 to 0.007 inch
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Cylinder bore

Diameter (nominal)

2.0L engines	3.346 inches
2.4L engines	3.406 inches
Out-of-round/taper limits	0.0008 inches

Pistons and rings

Piston diameter (nominal)*

2.0L	3.346 inches
2.4L	3.406 inches

Piston-to-bore clearance

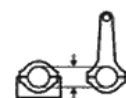
2.0L	0.0004 to 0.0012 inch
2.4L	0.0008 to 0.0016 inch

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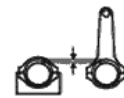
Crankshaft pulley bolts	15 to 21
Crankshaft pulley center bolt	80 to 94
Engine mounts	
Support bracket-to-engine	29 to 36
Front insulator-to-frame	22 to 29
Front insulator nuts	14 to 22
Front stopper bolts	72 to 108 in-lbs
Rear insulator-to-transmission	14 to 17
Rear insulator-to-number 2 crossmember	
Manual transmission	108 to 168 in-lbs
Automatic transmission	14 to 18
Rear stopper	25 to 40
Front case bolts	15 to 19
Oil filter bracket bolts	11 to 15
Oil pump sprocket nut	36 to 43
Oil pump cover bolts	132 to 156 in-lbs
Oil pan bolts	48 to 72 in-lbs
Oil pan drain bolt	26 to 32
Oil seal retainer bolts	84 to 108 in-lbs
Flywheel/driveplate bolts	94 to 101
Silent Shaft sprocket nut	25 to 28
Automatic tensioner bolt	14 to 20
Timing belt tensioner bolt	32 to 40
Tensioner "B" bolt	11 to 15
Timing belt cover bolts	84 to 108 in-lbs



Standard Shaft Size



Housing Bore



Oil Clearance



Max Wall Thickness

Bearing Size & Clearances / Bolt Torques