

Component Procedures: Camshaft Bearing

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Component Procedures: Camshaft Bearing

Parts and Labor (itype_189)

Parts

Qualifier	Part #	Name	Price	Note
Bearing Set	5174428AA	15 - Bearing Set	0.00	Set Of Standard Cam Bearin?

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Replace	One	A	0.5	0.0

Components (itype_392)

CAMSHAFT BEARING

S
The camshaft rotates within four steel-shelled, babbitt-lined bearings that are pressed into the cylinder block and then line reamed. The camshaft bearing bores and bearing diameters are not the same size. They are stepped down in 0.254 mm (0.010 inch) increments from the front bearing (largest) to the rear bearing (smallest). This permits easier removal and installation of the camshaft. The camshaft bearings are pressure lubricated.

NOTE:

It is not advisable to attempt to replace camshaft bearings unless special removal and installation tools are available.

Camshaft end play is maintained by the load placed on the camshaft by the oil pump and distributor drive gear. The helical cut of the gear holds the camshaft sprocket thrust face against the cylinder block face.

Mechanical (including Torque) (itype_28)

GENERAL:

Bearing Clearance 0.025 - 0.076 mm (0.001 - 0.003 inch)

BEARING JOURNAL DIAMETER:

- No. 1 51.54 - 51.56 mm (2.029 - 2.030 inch)
- No. 2 51.28 - 51.31 mm (2.019 - 2.020 inch)
- No. 3 51.03 - 51.05 mm (2.009 - 2.010 inch)
- No. 4 50.78 - 50.80 mm (1.999 - 2.000 inch)