

Measure the gear bushing O. D.

SERVICE LIMITS: M5, M6: 30.93 mm (1.218 in)
 C2, C3, C4: 32.93 mm (1.296 in)

Calculate the gear-to-bushing clearance.

SERVICE LIMITS: M5, M6: 0.10 mm (0.004 in)
 C2, C3, C4: 0.11 mm (0.004 in)

Measure the gear bushing I. D.

SERVICE LIMITS: M5: 28.02 mm (1.103 in)
 C2: 30.02 mm (1.182 in)

Check the mainshaft and countershaft for abnormal wear or damage.

Measure the mainshaft O. D. at the M5 gear.

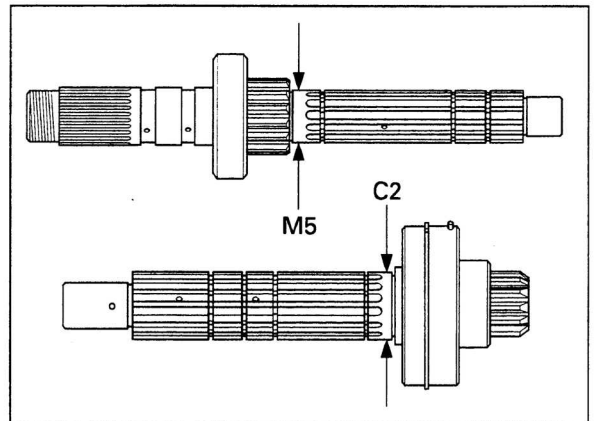
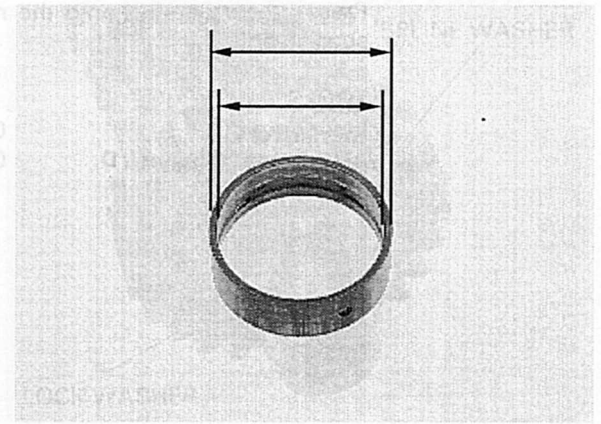
SERVICE LIMIT: 27.94 mm (1.100 in)

Measure the countershaft O. D. at the C2 gear.

SERVICE LIMIT: 29.92 mm (1.178 in)

Calculate the gear bushing-to-shaft clearance.

SERVICE LIMIT: 0.06 mm (0.002 in)

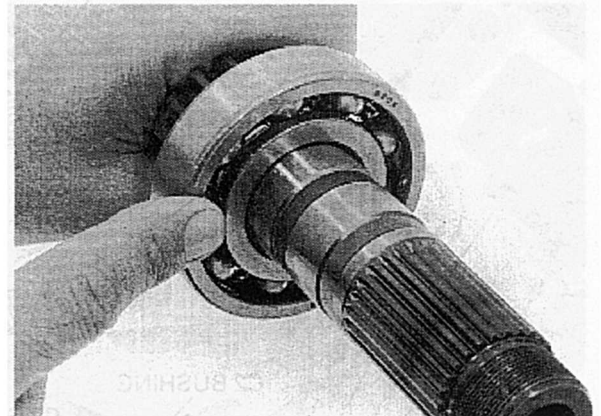


Turn the bearing outer race with your finger. The bearing should turn smoothly and quietly. Also check that the bearing inner race fits tightly on the shaft.

Replace the bearing if the outer race does not turn smoothly, quietly, or if the inner race fit loosely on the shaft.

NOTE:

The countershaft bearing cannot be replaced. If the countershaft bearing is faulty, replace the countershaft.



MAINSHAFT BEARING REPLACEMENT

Press the mainshaft out of the bearing.

