

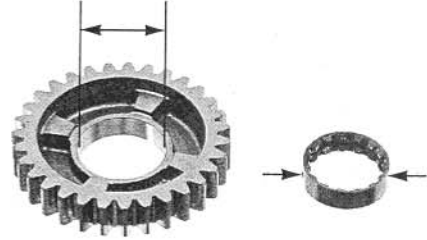
CRANKCASE/TRANSMISSION

Check the gear dogs, dog holes and teeth for abnormal wear or lack of lubrication.

Measure the I.D. of each gear.

SERVICE LIMITS:

M5, M6: 28.04 mm (1.104 in)
C1: 26.04 mm (1.025 in)
C2, C3, C4: 31.04 mm (1.222 in)



Measure the O.D. of each gear bushing.

SERVICE LIMITS:

M5, M6: 27.94 mm (1.100 in)
C2: 30.94 mm (1.218 in)
C3, C4: 30.93 mm (1.218 in)

Measure the I.D. of each gear bushing.

SERVICE LIMITS:

M5: 25.016 mm (0.9849 in)
C2: 28.021 mm (1.1032 in)

Calculate the gear-to-bushing clearance.

SERVICE LIMITS:

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

Check the mainshaft and countershaft for abnormal wear or damage.

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

SERVICE LIMIT: 24.96 mm (0.983 in)

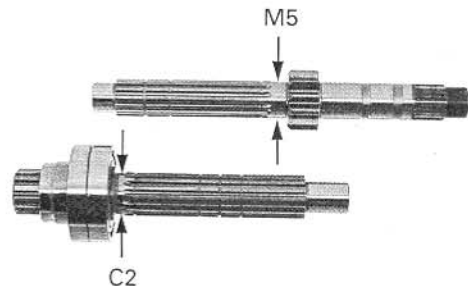
Measure the countershaft O.D. at the C2 gear.

SERVICE LIMIT: 27.96 mm (1.101 in)

Calculate the gear bushing-to-shaft clearance.

SERVICE LIMITS:

M5: 0.06 mm (0.002 in)
C2: 0.06 mm (0.002 in)



Countershaft bearing

Turn the outer race of countershaft bearing with your finger.

The bearing should turn smoothly and quietly. Also check that the bearing inner race fits tightly on the shaft.

Replace the countershaft, collar, and bearing as an assembly, if the race does not turn smoothly, quietly, or fits loosely on the countershaft.

- The countershaft bearing cannot be replaced. If the countershaft bearing is faulty, replace the countershaft as an assembly.

