

CRANKSHAFT/TRANSMISSION

Remove the dowel pins and countershaft bearing set ring.

Disassemble the mainshaft and countershaft.
Clean all disassembled parts in solvent thoroughly.

Check the mainshaft and countershaft needle bearings for abnormal wear or damage.

Check the gear shifter groove for abnormal wear or damage.

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: 24.04 mm (0.946 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: 30.93 mm (1.218 in)

C3, C4: 30.93 mm (1.218 in)

Calculate the gear-to-bushing clearance.

SERVICE LIMITS:

M5, M6: 0.10 mm (0.004 in)

C2: 0.11 mm (0.004 in)

C3, C4: 0.11 mm (0.004 in)

