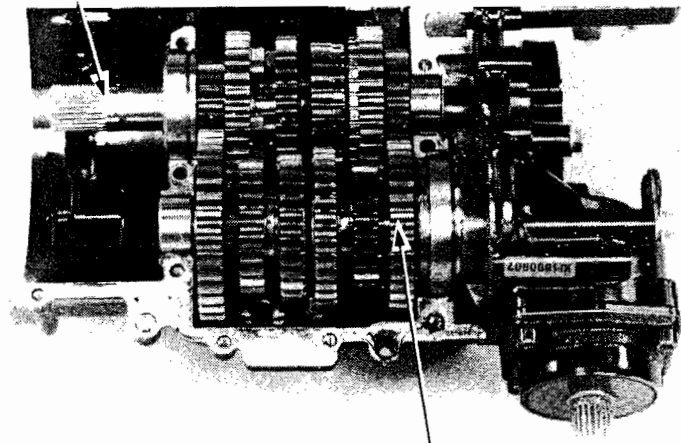




Remove and disassemble the mainshaft and counter-shaft.

MAINSHAFT



COUNTERSHAFT

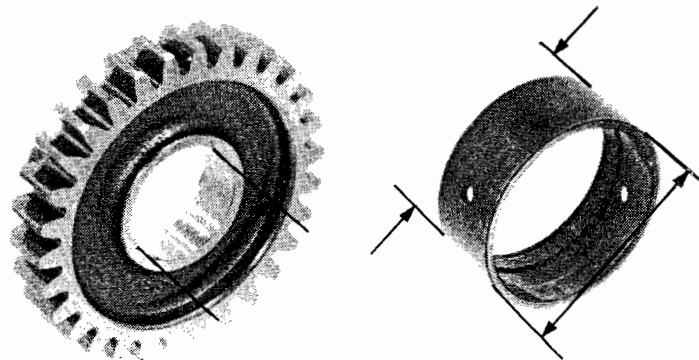
INSPECTION

Check the gear dogs, holes and teeth for excessive or abnormal wear, or evidence of insufficient lubrication.

Measure the I.D. of each gear.

SERVICE LIMITS:

- M5, M6, C3, C4: 28.04 mm (1.104 in)
- C1: 24.04 mm (0.946 in)
- C2: 29.04 mm (1.143 in)



Measure the I.D. and O.D. of each gear bushing.

SERVICE LIMITS:

- M5, M6, C3, C4 O.D.: 27.94 mm (1.100 in)
- C2 O.D.: 28.94 mm (1.139 in)
- C1 O.D.: 23.94 mm (0.944 in)
- M5, C2 I.D.: 25.04 mm (0.986 in)
- C1 I.D.: 20.06 mm (0.790 in)

Measure the O.D. of the mainshaft and counter-shaft.

SERVICE LIMITS:

- M5: 24.90 mm (0.980 in)
- C1: 19.94 mm (0.785 in)
- C2: 24.90 mm (0.980 in)

Calculate the clearance between the gear bushing and the gear or shaft.

SERVICE LIMITS:

- M5, M6, C3, C4
 - gear-to-bushing: 0.08 mm (0.003 in)
 - C2 bushing-to-shaft: 0.07 mm (0.003 in)
- C1 gear-to-bushing: 0.08 mm (0.003 in)
- C1 bushing-to-shaft: 0.06 mm (0.002 in)
- C2 gear-to-bushing: 0.08 mm (0.003 in)

