

Measure the O.D. of the mainshaft and countershaft and reverse idler shaft.

SERVICE LIMIT:

M4	21.93 mm (0.863 in)
M5	16.95 mm (0.667 in)
R	13.93 mm (0.548 in)

Calculate gear bushing-to-shaft clearance.

SERVICE LIMIT:

M4	0.10 mm (0.004 in)
M5	0.10 mm (0.004 in)
R	0.10 mm (0.004 in)

Turn the inner race of the transmission bearings with your finger.

The bearings should turn smoothly and quietly. Also check that the bearing outer races fit tightly in the case.

Remove and discard the bearings if the races do not turn smoothly, quietly, or if loosely in the case.

BEARING REPLACEMENT

Crush the convex portion of the orifice plate in the mainshaft bearing hole to the bearing remover expander properly.

Remove the mainshaft bearing from the left crankcase.

TOOLS

Bearing remover, 17 mm	07936-3710300
Remover handle	07936-3710100
Remover weight	07741-0010201 or 07936-3710200

Remove the mainshaft and countershaft bearings from the right crankcase.

Remove the gearshift drum bearing from the left crankcase.

Drive new bearings in with the following tools.

LEFT CRANKCASE

Mainshaft needle bearing:

- Driver 07749-0010000
- Attachment, 28 x 30 mm 07946-1870100

Gearshift drum bearing:

- Driver 07749-0010000
- Attachment, 42 x 47 mm 07746-0010300
- Pilot, 25 mm 07746-0040600

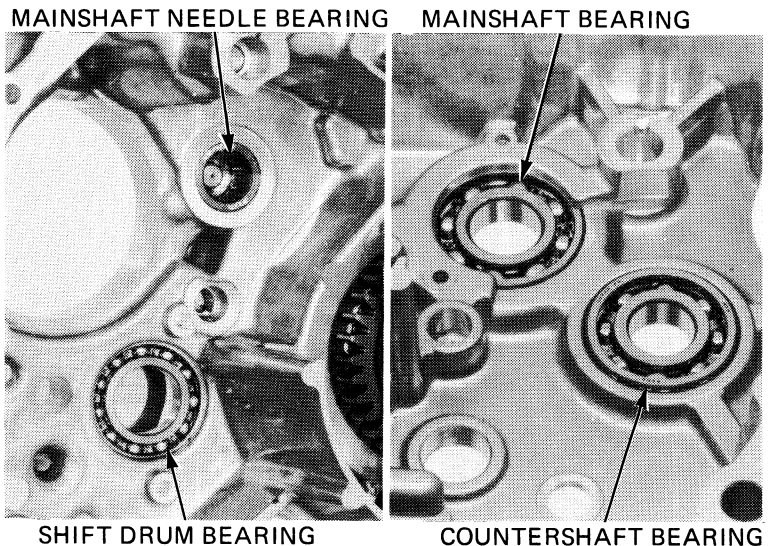
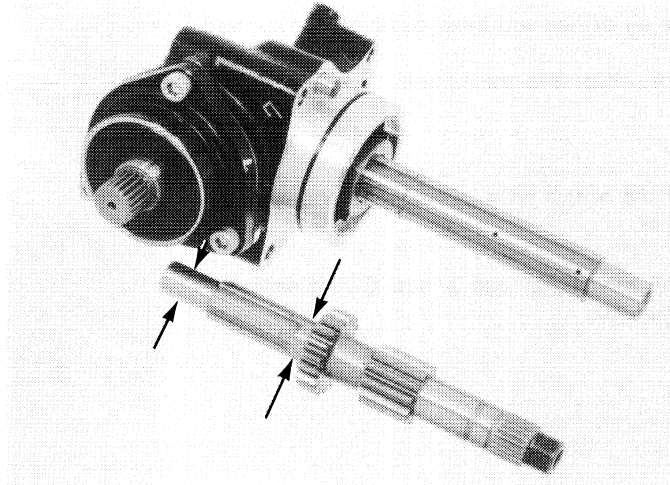
RIGHT CRANKCASE

Mainshaft bearing:

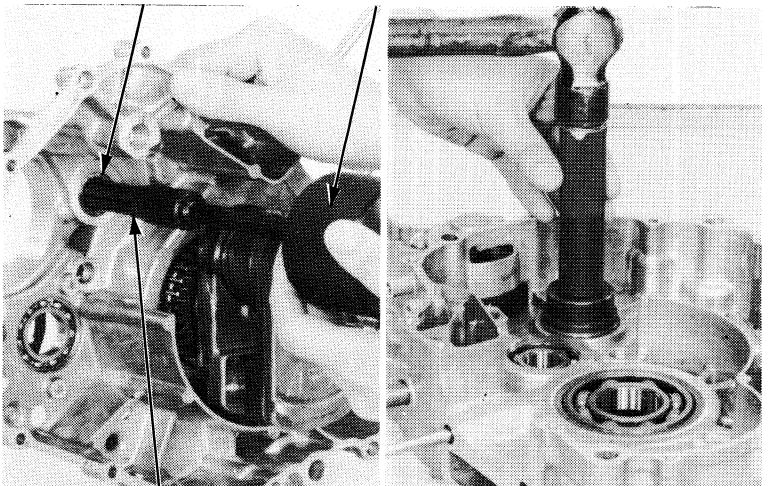
- Driver 07749-0010000
- Attachment, 52 x 55 mm 07746-0010400
- Pilot, 22 mm 07746-0041000

Countershaft bearing:

- Driver 07749-0010000
- Attachment, 42 x 47 mm 07746-0010300
- Pilot, 20 mm 07746-0040500



SHIFT DRUM BEARING COUNTERSHAFT BEARING
MAINSHAFT NEEDLE BEARING REMOVER WEIGHT 07741-0010201 OR 07936-3710200



BEARING REMOVER, 17 mm 07936-3710300
REMOVER HANDLE 07936-3710100