

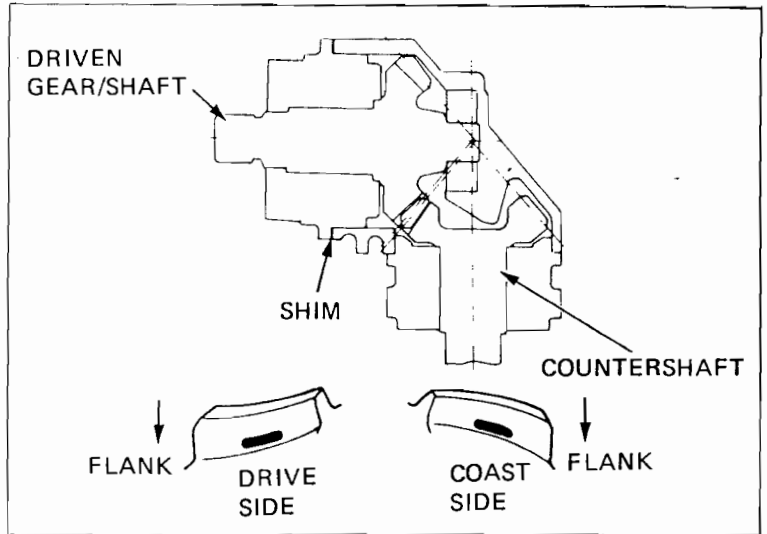


Replace the driven gear adjustment shim with a thicker one if contact is too low.

The pattern will shift about 1.5–2.0 mm (0.06–0.08 in) when the thickness of the shim is changed by 0.10 mm (0.04 in).

OUTPUT DRIVEN GEAR ADJUSTMENT SHIM:

- 1: 0.40 mm (0.016 in)
- 2: 0.45 mm (0.018 in)
- 3: 0.50 mm (0.020 in) **Standard**
- 4: 0.55 mm (0.022 in)
- 5: 0.60 mm (0.024 in)



BACKLASH INSPECTION

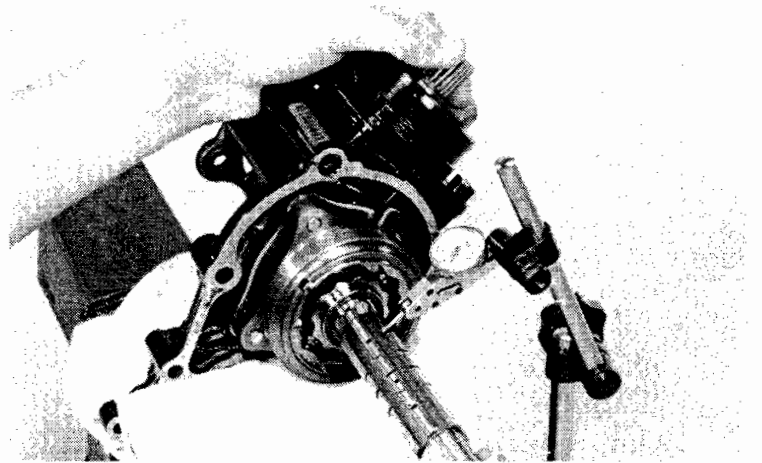
Place the output gear case in a vise with soft jaws or a shop towel.

Set a horizontal type dial indicator on the countershaft as shown.

Hold the driven gear with special tool and rotate the countershaft until gear slack is taken up.

Turn the countershaft back and forth to read backlash.

- STANDARD:** 0.04–0.09 mm
 (0.002–0.004 in)
- SERVICE LIMIT:** 0.20 mm (0.008 in)



Remove the dial indicator. Turn the countershaft 120° and measure backlash. Do this once more. Compare the difference of the three measurements.

- DIFFERENCE OF MEASUREMENT**
- SERVICE LIMIT:** 0.10 mm (0.004 in)