

Countershaft Assembly

Inspection

1. Inspect the gear surfaces and bearing surfaces for wear and damage, then measure the countershaft at points A and B.

Standard:

**A (Needle bearing surface): 43.974-43.990 mm
(1.7313-1.7319 in)**

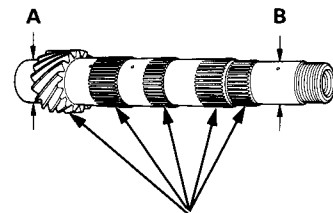
**B (Ball bearing surface): 33.984-34.000 mm
(1.3380-1.3386 in)**

Service Limit:

A: 43.920 mm (1.7291 in)

B: 33.930 mm (1.3358 in)

NOTE: Inspect oil passages for clogging.



Inspect for wear and damage.

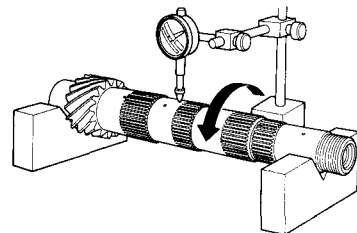
If any part of the countershaft is less than the service limit, replace it with a new one.

2. Inspect for runout.

Standard: 0.02 mm (0.001 in) max.

Service Limit: 0.05 mm (0.002 in)

NOTE: Support the countershaft at both ends as shown.



Rotate two complete revolutions.

If the runout exceeds the service limit, replace the countershaft with a new one.