

Mainshaft Assembly



Inspection

1. Inspect the gear surface and bearing surface for wear and damage, then measure the mainshaft at points A, B, and C.

Standard:

A (Ball bearing surface): 32.002 – 32.018 mm
(1.2599 – 1.2605 in)

B (Needle bearing surface): 41.984 – 42.000 mm
(1.6529 – 1.6535 in)

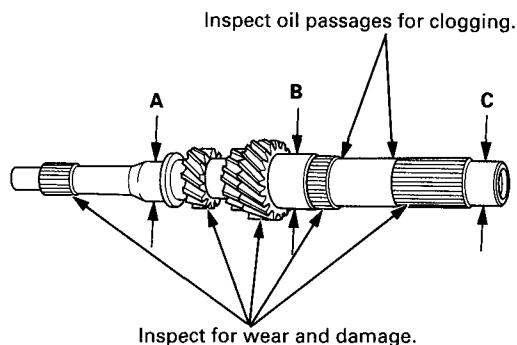
C (Ball bearing surface): 30.984 – 31.000 mm
(1.2198 – 1.2205 in)

Service limit:

A: 31.950 mm (1.2579 in)

B: 41.930 mm (1.6508 in)

C: 30.930 mm (1.2177 in)

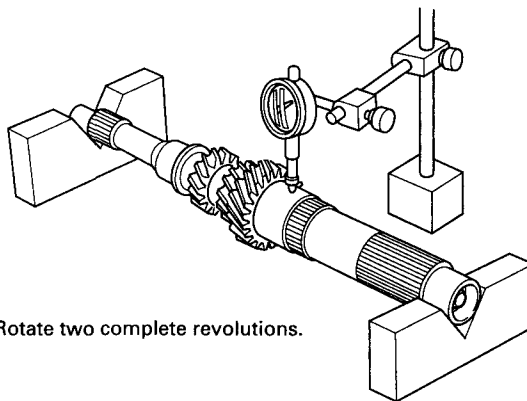


If any part of the mainshaft is less than the service limit, replace the mainshaft with a new one.

2. Support the mainshaft at both ends, and inspect for runout.

Standard: 0.02 mm (0.001 in) max.

Service Limit: 0.05 mm (0.002 in)



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