

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): 42.984—43.000 mm
(1.6923-1.6929 in)

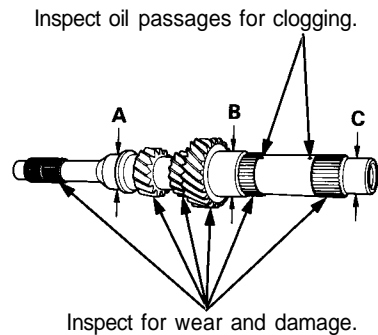
C (Ball bearing surface): 30.984-31.000 mm
(1.2198-1.2205 in)

Service limit:

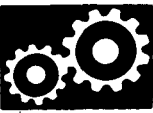
A: 31.950 mm (1.2579 in)

B: 42.930 mm (1.6902 in)

C: 30.930 mm (1.2177 in)



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



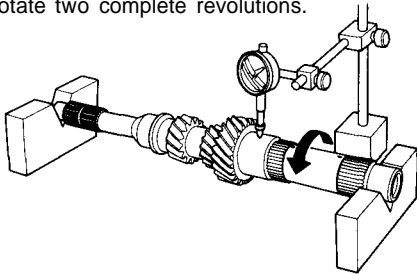
2. Inspect for runout.

Standard: 0.02 mm (0.001 in) max.

Service Limit: 0.05 mm (0.002 in)

NOTE: Support the mainshaft at both ends as shown.

Rotate two complete revolutions.



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