

# 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)

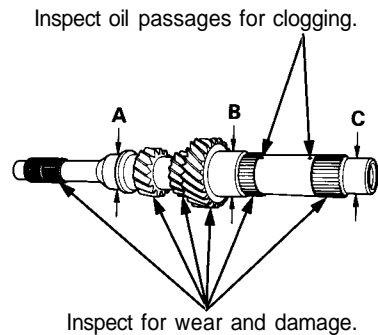
**C (Ball bearing surface):** 30.984-31.000 mm  
(1.2198-1.2205 in)

**Service limit:**

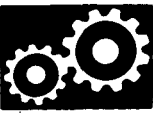
**A:** 31.950 mm (1.2579 in)

**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.



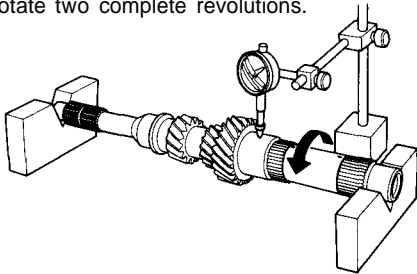
2. Inspect for runout.

**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.