## **Mainshaft Assembly**

## Clearance Inspection -

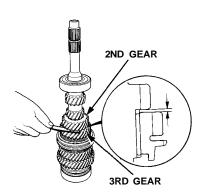
1. Measure the clearance between 2nd and 3rd gears.

Standard:

0.06 — 0.21 mm

(0.002-0.008 in)

Service Limit: 0.3 mm (0.012 in)



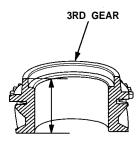
If the clearance exceeds the service limit, measure the thickness of 3rd gear.

Standard:

35.92-35.97 mm

(1.414-1.416 in)

Service Limit: 35.80 mm (1.409 in)



If the thickness of 3rd gear is less than the service limit, replace 3rd gear with a new one.

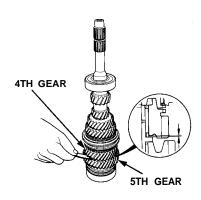
If the thickness of 3rd gear is within the service limit, replace the 3rd/4th synchro hub with a new Measure the clearance between 4th gear and the spacer collar.

Standard:

0.06—0.21 mm

(0.002-0.008 in)

Service Limit: 0.3 mm (0.012 in)



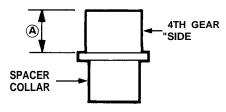
If the clearance exceeds the service limit, measure distance (A) on the spacer collar.

Standard:

29.53 — 29.58 mm

(1.163-1.165in)

Service Limit: 29.51 mm (1.162 in)



If distance (A) is less than the service limit, replace the spacer collar with a new one.

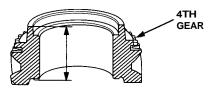
If distance (A) is within the service limit, measure the thickness of 4th gear.

Standard:

35.92-35.97 mm

(1.414-1.416in)

Service Limit: 35.80 mm (1.409 in)



If the thickness of 4th gear is less than the service limit, replace 4th gear with a new one.

If the thickness of 4th gear is within the service limit, replace the 3rd/4th synchro hub with a new

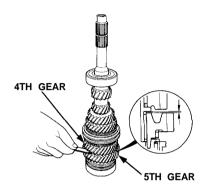


Measure the clearance between the spacer collar and 5th gear.

Standard: 0.06—0.21 mm

(0.002-0.008 in)

Service Limit: 0.3 mm (0.012 in)

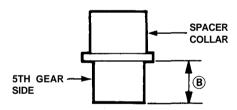


7. If the clearance exceeds the service limit, measure distance (B) on the spacer collar.

Standard: 28.53—28.58 mm

(1.123-1.125 in)

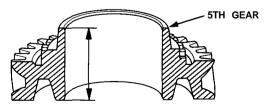
Service Limit: 28.51 mm (1.122 in)



Standard: 34.92-34.97 mm

(1.375-1.377in)

Service Limit: 34.80 mm (1.370 in)



If the thickness of 5th gear is less than the service limit, replace 5th gear with a new one.

If the thickness of 5th gear is within the service limit, replace the 5th synchro hub with a new one.