

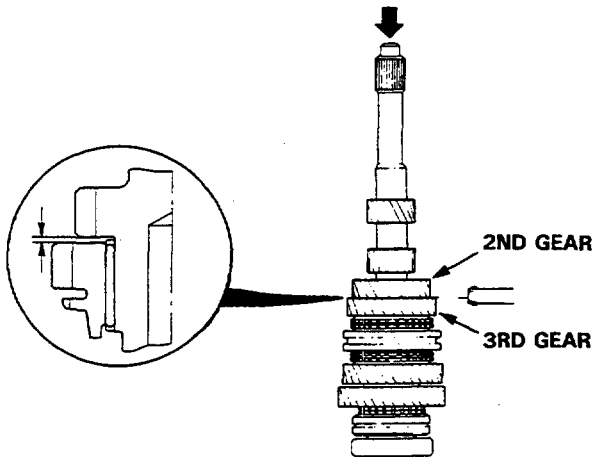
# Mainshaft Assembly

## Clearance Inspection

NOTE: If replacement is required, always replace the synchro sleeve and hub as a set.

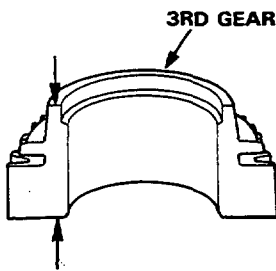
1. Measure the clearance between 2nd and 3rd gears.

Standard: 0.06–0.21 mm (0.002–0.008 in)  
Service Limit: 0.33 mm (0.013 in)



2. If the clearance is more than the service limit, measure the thickness of 3rd gear.

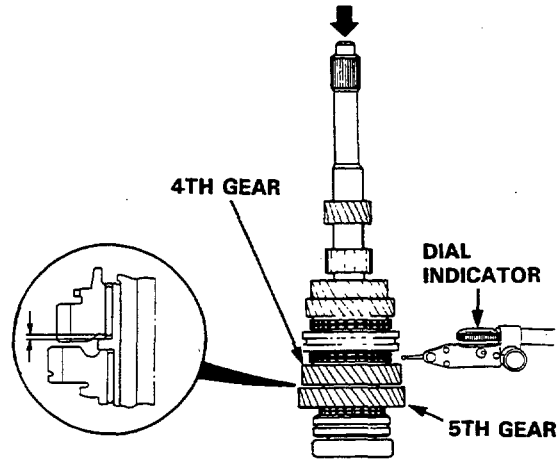
Standard: 30.22–30.27 mm  
(1.190–1.192 in)  
Service Limit: 30.15 mm (1.187 in)



- 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 one.

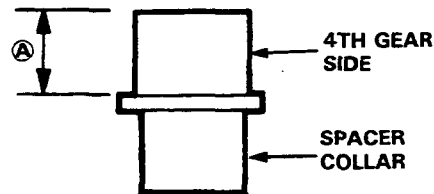
3. Measure the clearance between 4th gear and the spacer collar.

Standard: 0.06–0.19 mm (0.002–0.007 in)  
Service Limit: 0.31 mm (0.012 in)



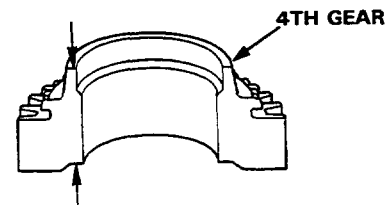
4. If the clearance is more than the service limit, measure distance (A) on the spacer collar.

Standard: 22.83–22.86 mm  
(0.899–0.900 in)  
Service Limit: 22.81 mm (0.898 in)



5. 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: 30.12–30.17 mm  
(1.186–1.188 in)  
Service limit: 30.05 mm (1.183 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 one.