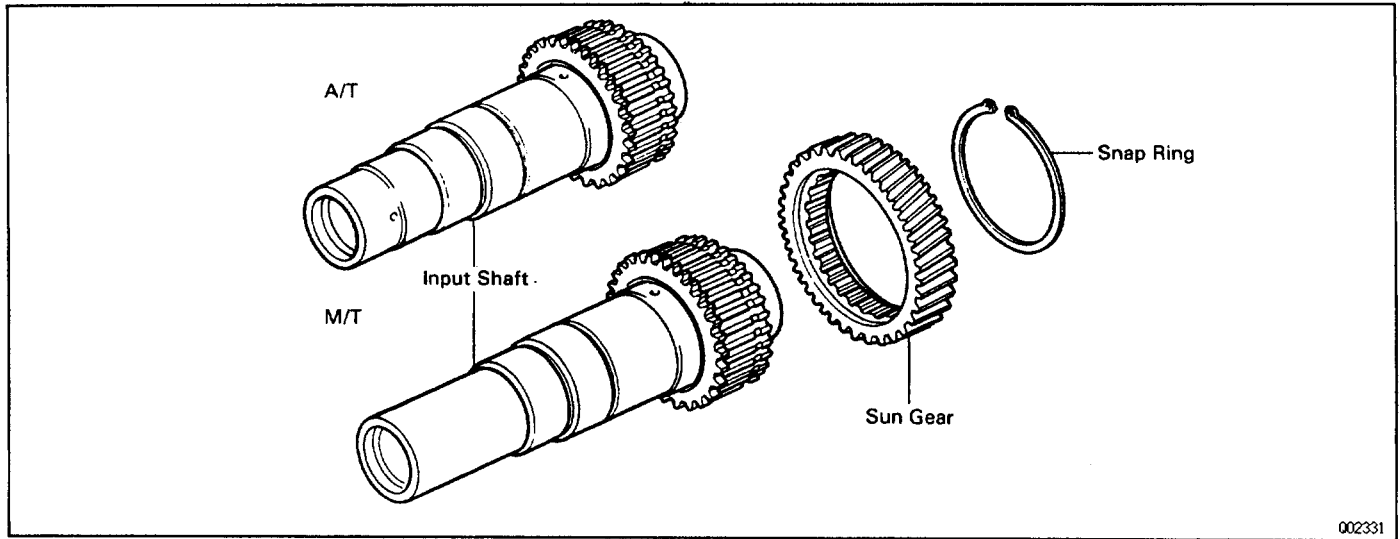


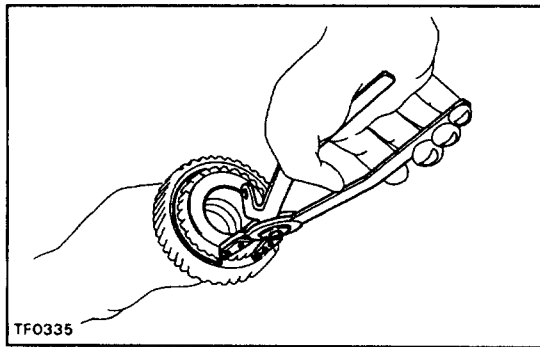
INPUT SHAFT COMPONENTS



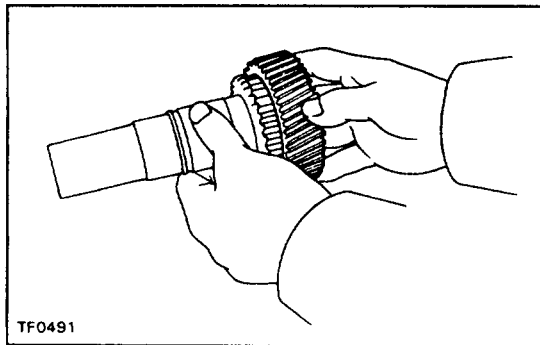
INPUT SHAFT DISASSEMBLY

REMOVE SUN GEAR

- (a) Using snap ring pliers, remove the snap ring.



- (b) Remove the sun gear from the input shaft.



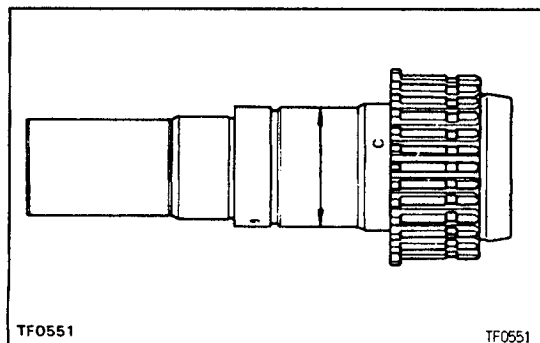
INPUT SHAFT INSPECTION

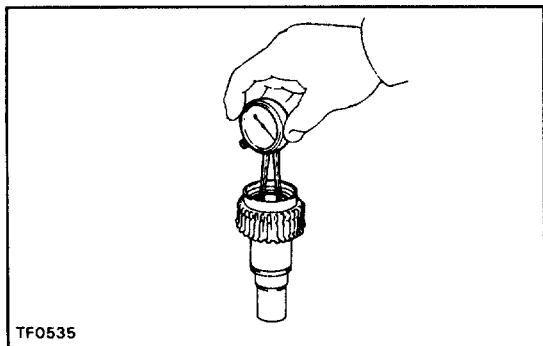
1. INSPECT INPUT SHAFT

- (a) Using a micrometer, measure the outer diameter of the input shaft journal surface.

Minimum diameter:

47.59 mm (1.8736 in.)



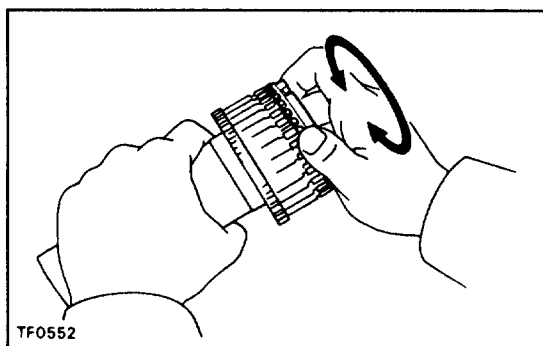


- (b) Using a dial indicator, measure the inside diameter of the input shaft bushing.

Maximum inside diameter:

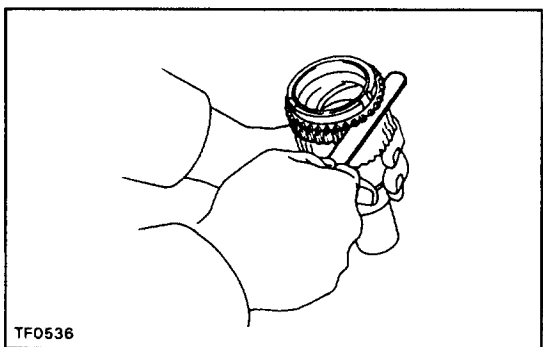
39.14 mm (1.5409 in.)

If the inside diameter exceeds the limit, replace the input shaft.



2. INSPECT SYNCHRONIZER RING

- (a) Turn the ring and push it in to check the braking action.



- (b) Measure the clearance between the synchronizer ring back and the input shaft spline end.

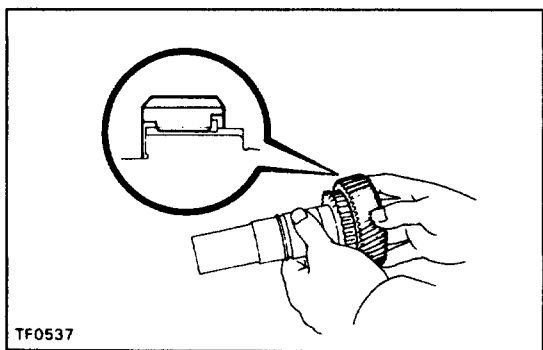
Standard clearance:

1.15–1.85 mm (0.0453–0.0728 in.)

Minimum clearance:

0.8 mm (0.031 in.)

If the clearance is less than the limit, replace the synchronizer ring.

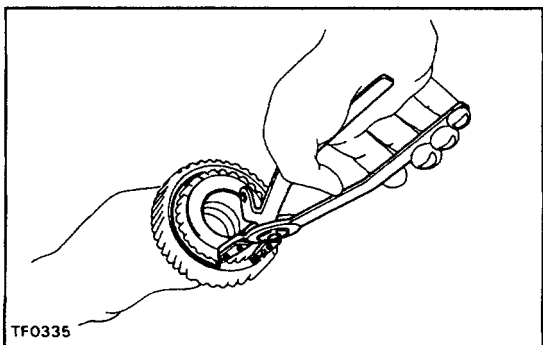


INPUT SHAFT ASSEMBLY

INSTALL SUN GEAR

- (a) Install the sun gear to the input shaft.

HINT: Ensure that the sun gear is installed in the correct direction.



- (b) Using snap ring pliers, install the snap ring.