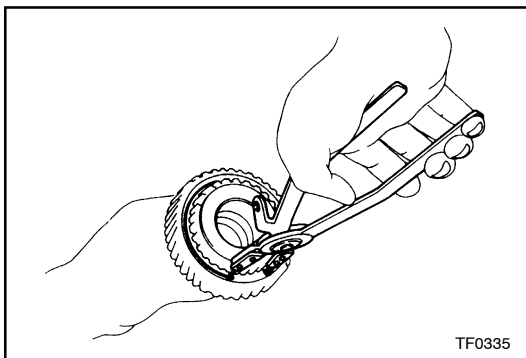
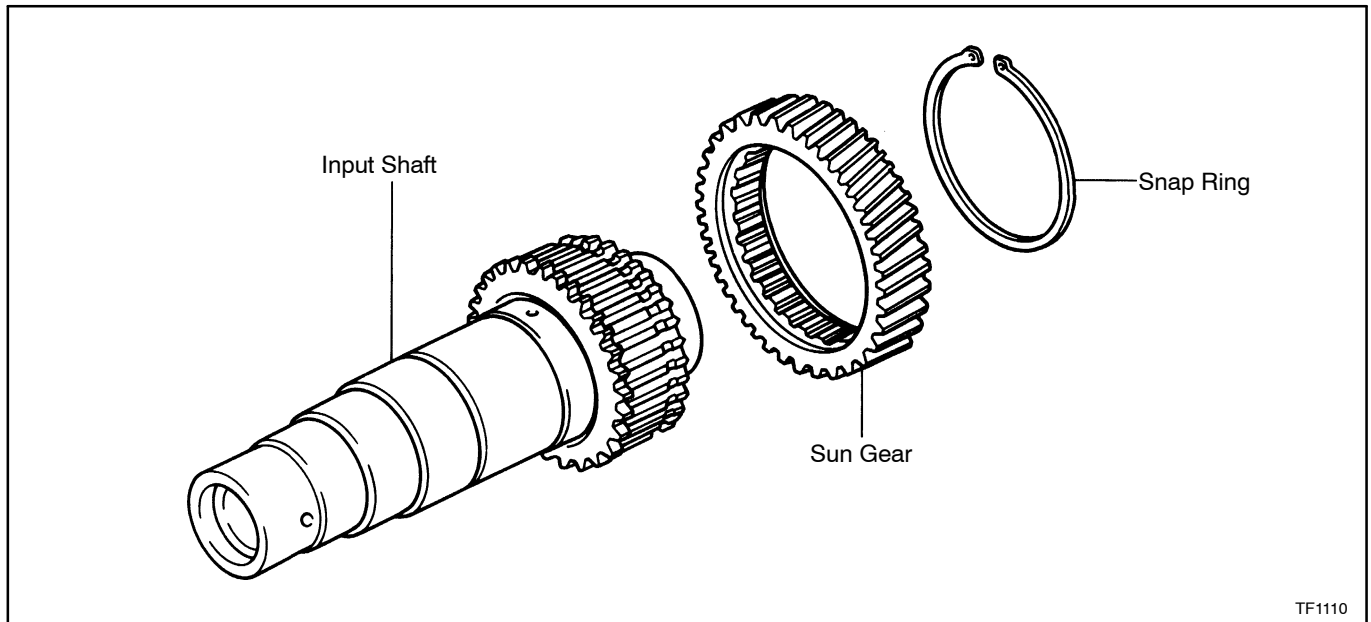


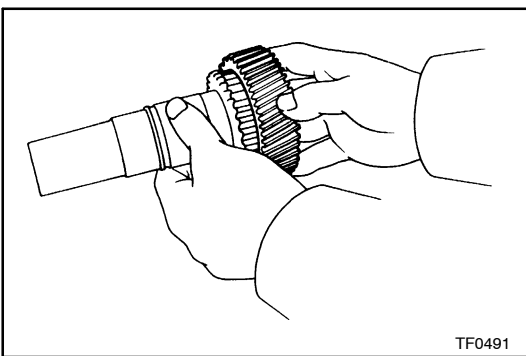
Input Shaft COMPONENTS



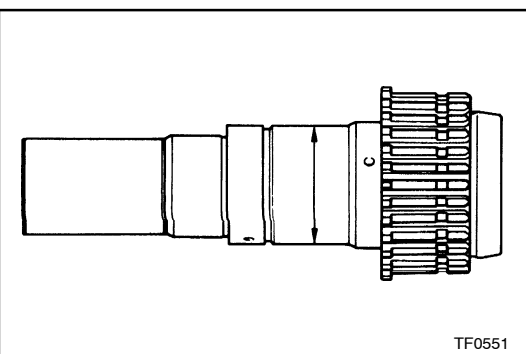
DISASSEMBLY OF INPUT SHAFT

REMOVE SUN GEAR

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



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

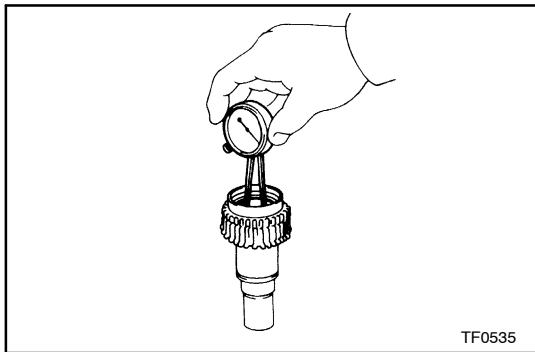


INSPECTION OF INPUT SHAFT

1. INSPECT INPUT SHAFT

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

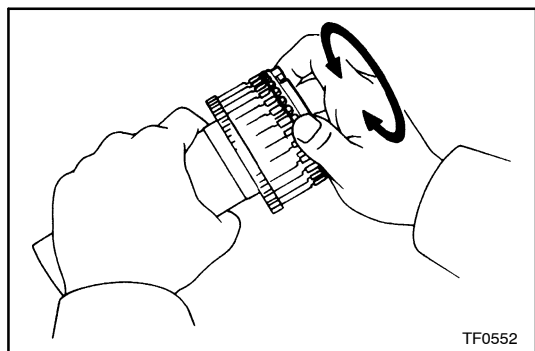
Minimum diameter: 47.59 mm (1.8736 in.)



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

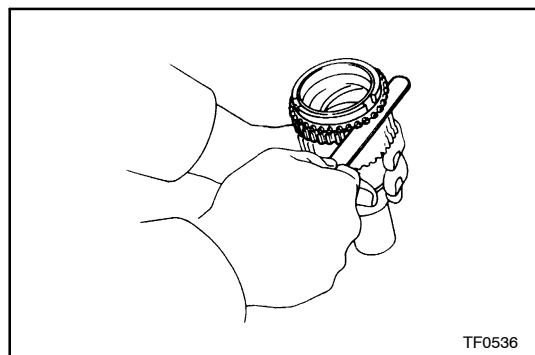
Maximum inside diameter: 39.14 mm (1.5409 in.)

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.

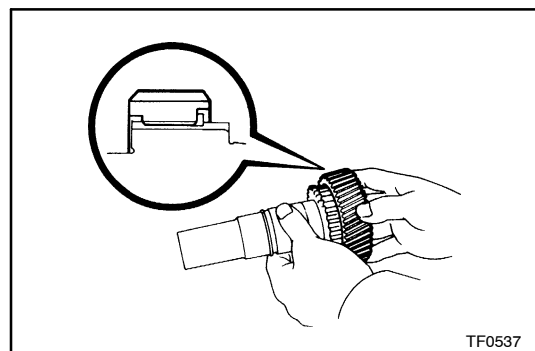


- (b) Measure the clearance between the synchronizer ring back and the input shaft spline end.

**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.

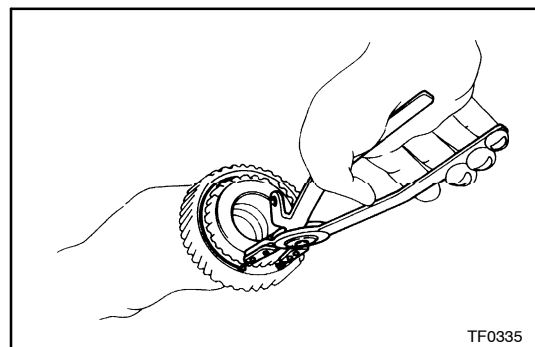


ASSEMBLY OF INPUT SHAFT

INSTALL SUN GEAR

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

HINT: Make sure to install the sun gear in the correct direction.



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