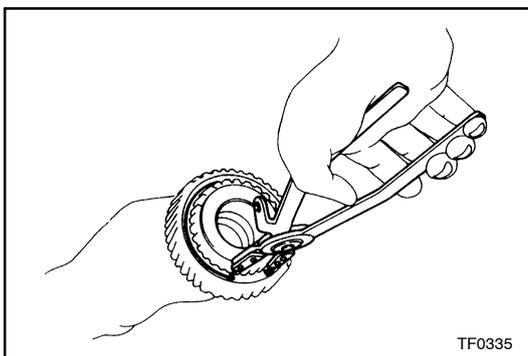
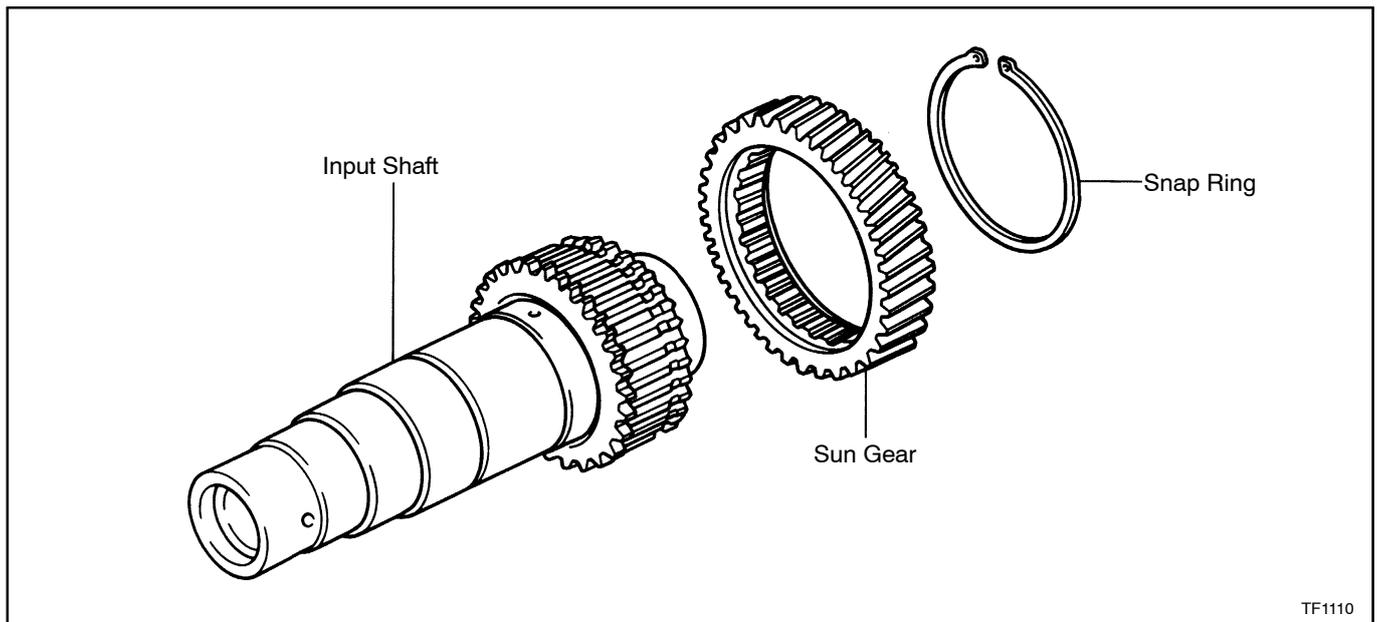


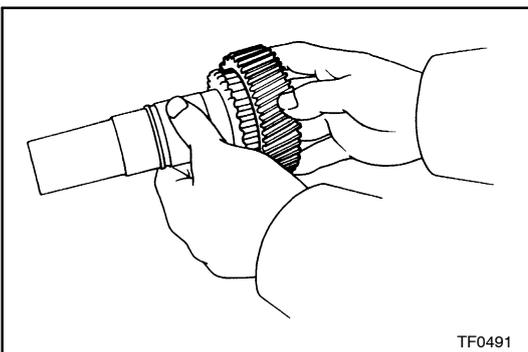
## Input Shaft COMPONENTS



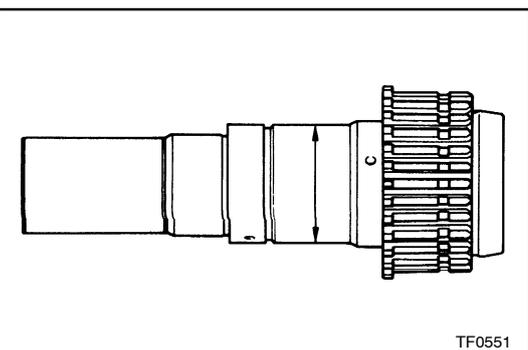
### DISASSEMBLY OF INPUT SHAFT

#### REMOVE SUN GEAR

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



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

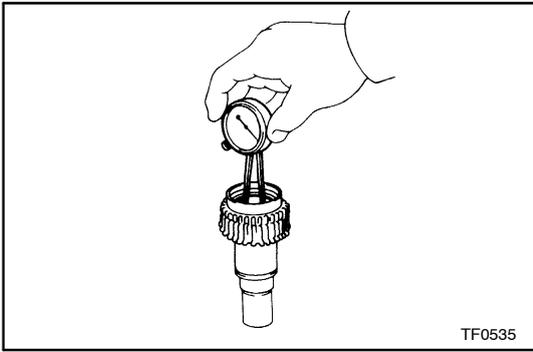


### INSPECTION OF INPUT SHAFT

#### 1. INSPECT INPUT SHAFT

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

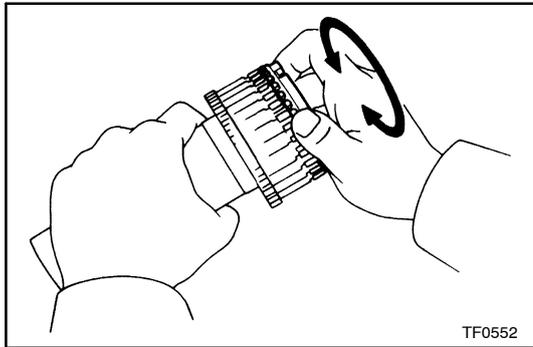
**Minimum diameter: 47.59 mm (1.8736 in.)**



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

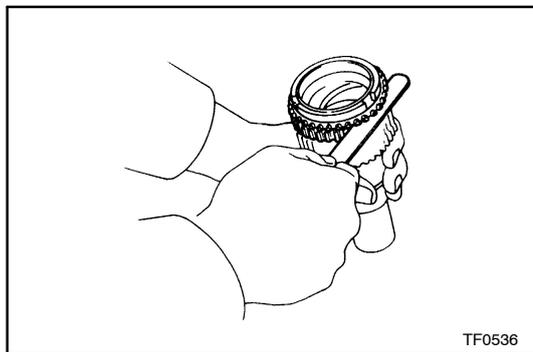
**Maximum inside diameter: 39.14 mm (1.5409 in.)**

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.

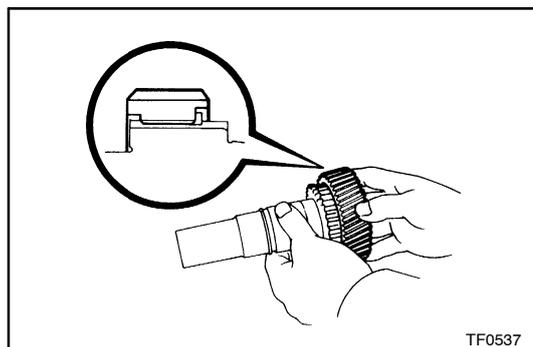


- (b) Measure the clearance between the synchronizer ring back and the input shaft spline end.

**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.

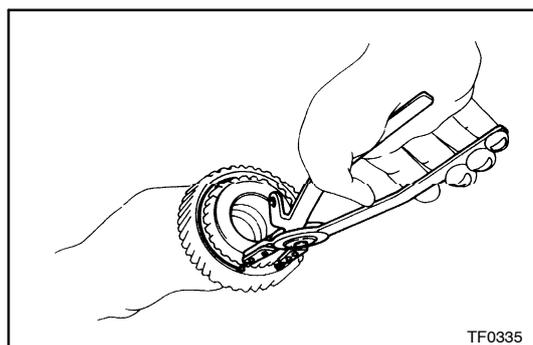


## ASSEMBLY OF INPUT SHAFT

### 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.