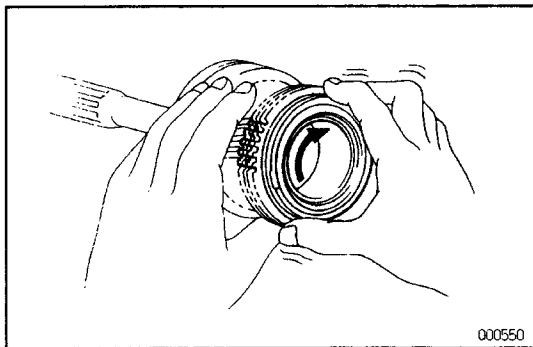
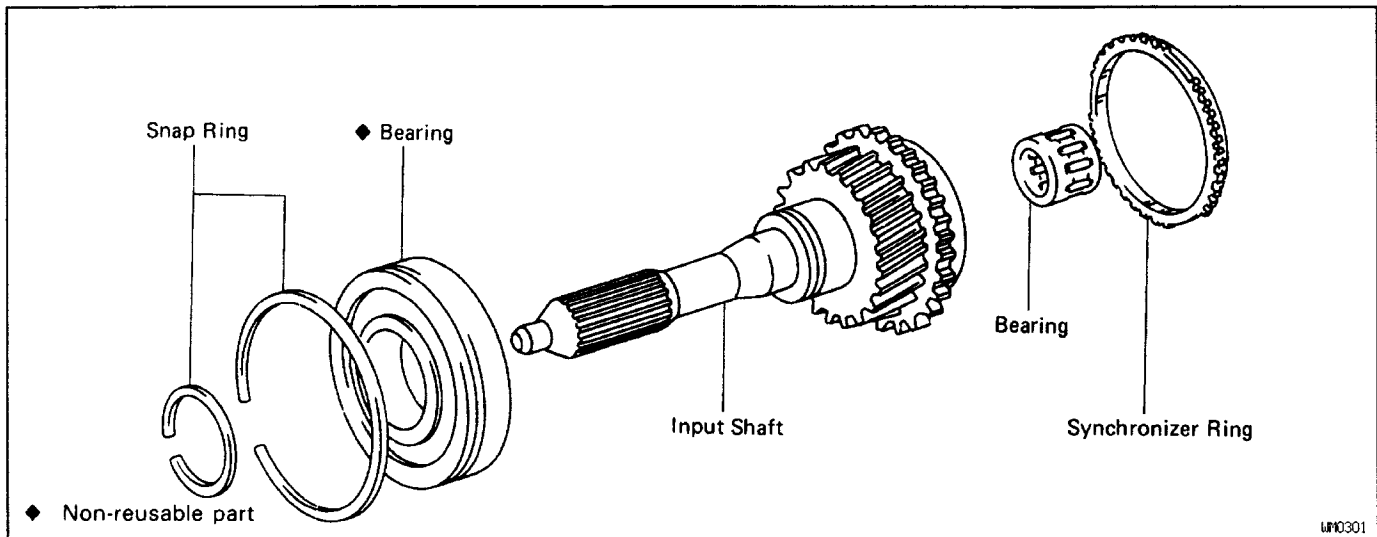


# INPUT SHAFT COMPONENTS

MT00F-02



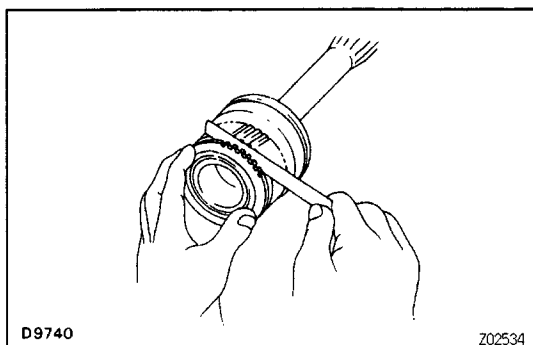
## INPUT SHAFT INSPECTION INSPECT SYNCHRONIZER RING

MT00G-02

- (a) Check for wear or damage.
- (b) Check the braking effect of the synchronizer ring.  
Turn the synchronizer ring in one direction while pushing it to the gear cone and check that the ring is locked.  
If the braking effect is insufficient, apply a small amount of fine lapping compound between the synchronizer ring and gear cone.

### NOTICE:

- Wash off completely the fine lapping compound after rubbing.
- Check again the braking effect of the synchronizer ring.



- (c) Using a feeler gauge, measure the clearance between the synchronizer ring back and the gear spline end.

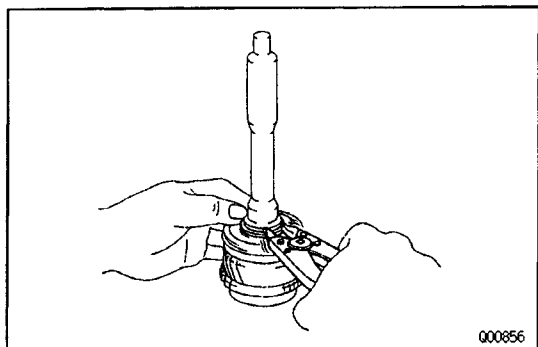
### Minimum clearance:

**0.5 mm (0.020 in.)**

## HINT:

- When replacing either a synchronizer ring or gear, apply a small amount of fine compound between the synchronizer ring and gear cone. Lightly rub the synchronizer ring and gear cone together.
- When replacing both the synchronizer ring and gear, there is no need to apply any compound or to rub them together.

**NOTICE: Wash off completely the fine lapping compound after rubbing.**

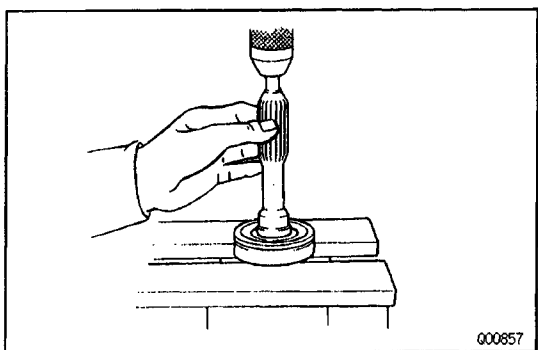


## BEARING REPLACEMENT

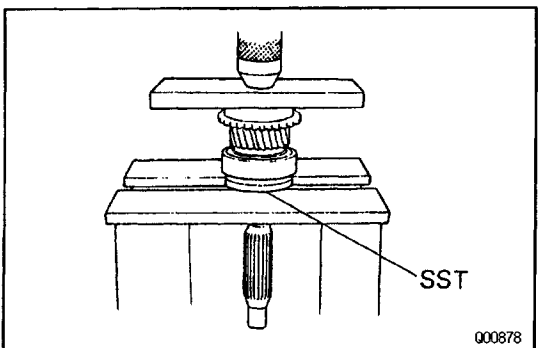
MT00H-01

### IF NECESSARY, REPLACE INPUT SHAFT BEARING

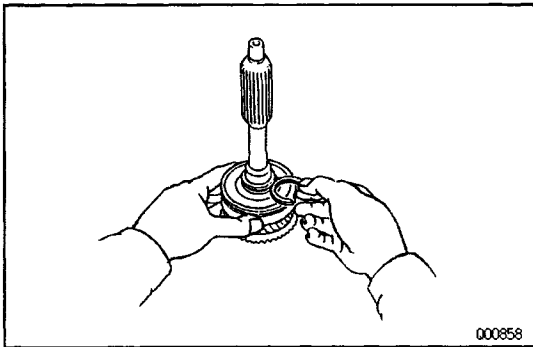
(a) Using a snap ring expander, remove the snap ring.



(b) Using a press, remove the bearing.

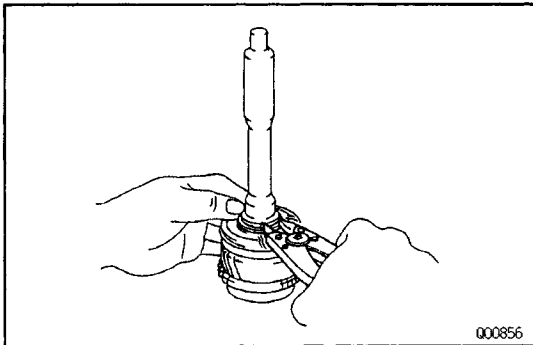


(c) Using SST and a press, install a new bearing.  
SST 09506-35010



(d) Select a snap ring that will allow minimum axial play.

Mark	Thickness m m (in.)
1	2.05 - 2.10 (0.0807 - 0.0827)
2	2.10 - 2.15 (0.0827 - 0.0846)
3	2.15 - 2.20 (0.0846 - 0.0866)
4	2.20 - 2.25 (0.0866 - 0.0886)
5	2.25 - 2.30 (0.0886 - 0.0906)
11	2.30 - 2.35 (0.0906 - 0.0925)
12	2.35 - 2.40 (0.0925 - 0.0945)



(e) Using a snap ring expander, install the snap ring.