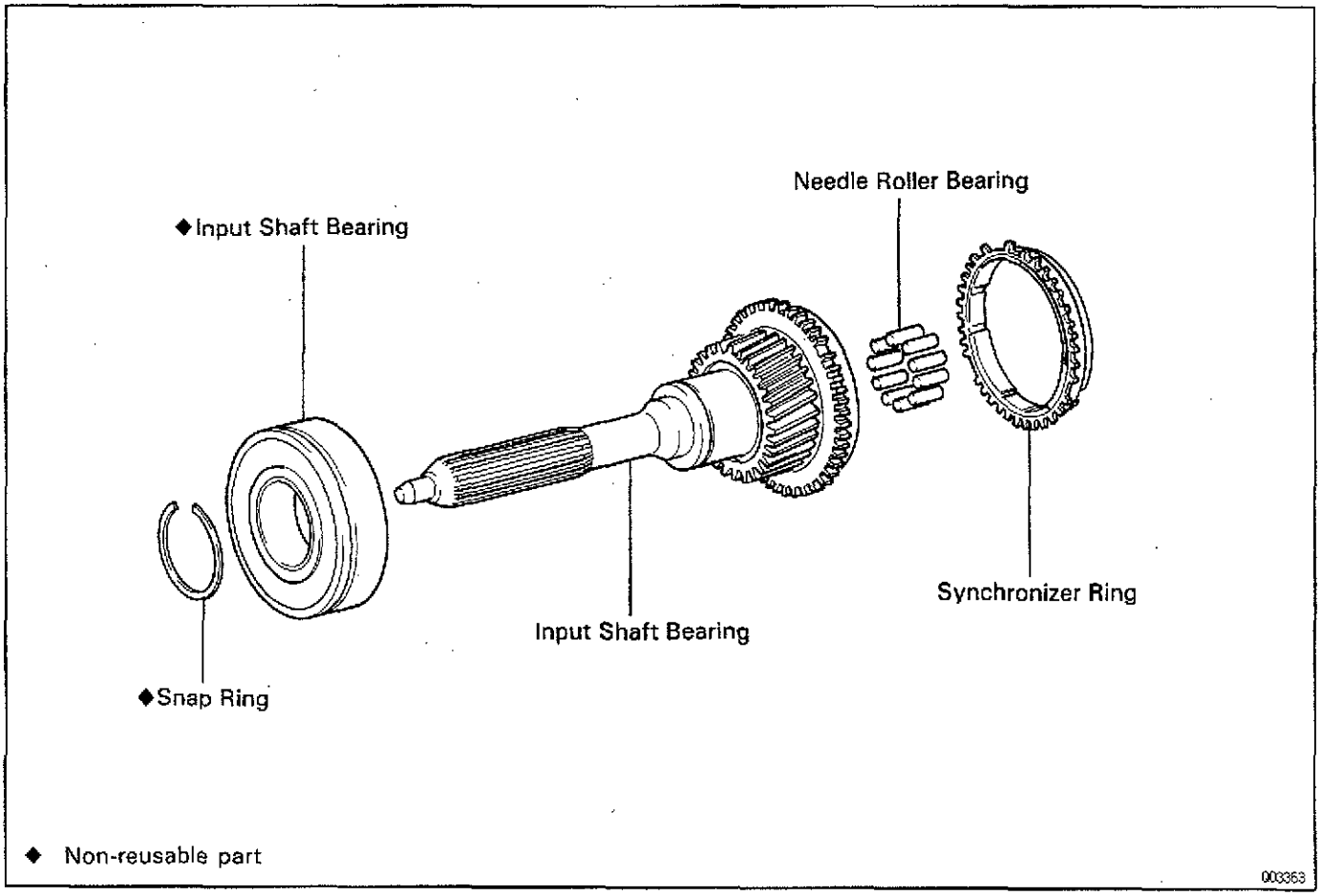
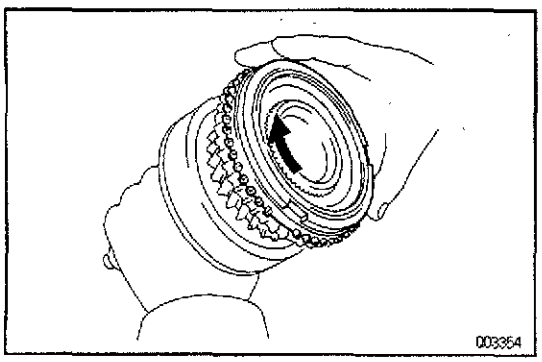
# INPUT SHAFT
## COMPONENTS

MT05G-01






MT020-02

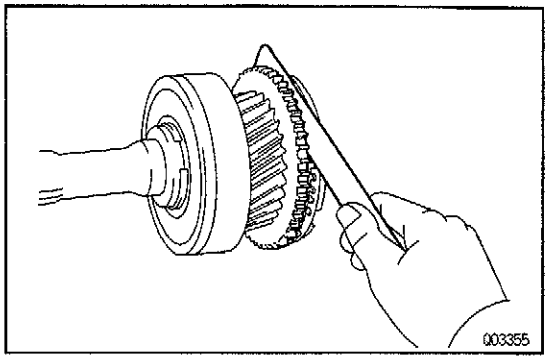
## INPUT SHAFT INSPECTION

### INSPECT SYNCHRONIZER RING

(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. Check that the ring locks. If the braking effect is insufficient, apply a small amount of fine lapping compound between the synchronizer ring and gear cone.
Lightly rub the synchronizer ring and gear cone together.
**NOTICE: Wash off completely the fine lapping compound after rubbing.**

(c) Check again the braking effect of the synchronizer ring. If it does not lock replace synchronizer ring.



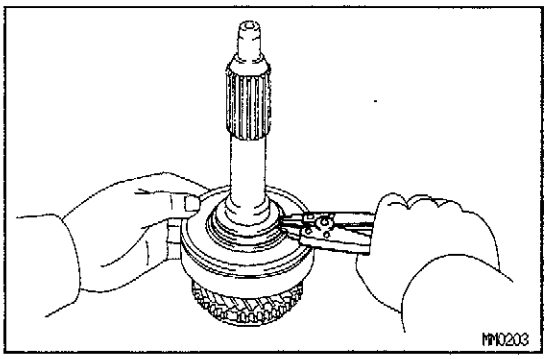

(d) Using a feeler gauge, measure the clearance between the synchronizer ring back and gear spline end.
**Minimum clearance:**
**0.8 mm (0.031 in.)**
HINT:
- When replacing either a synchronizer ring or gear, apply a small amount of fine lapping compound between the synchronizer ring and gear cone.
  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.**

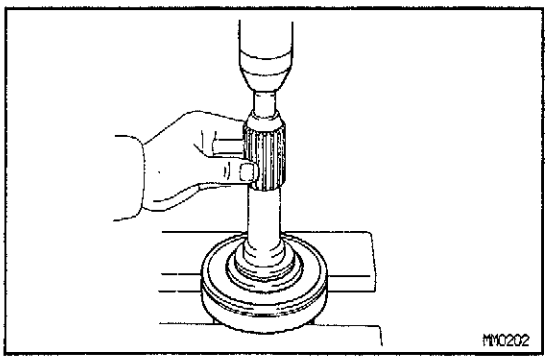
## BEARING REPLACEMENT

MT05H-01

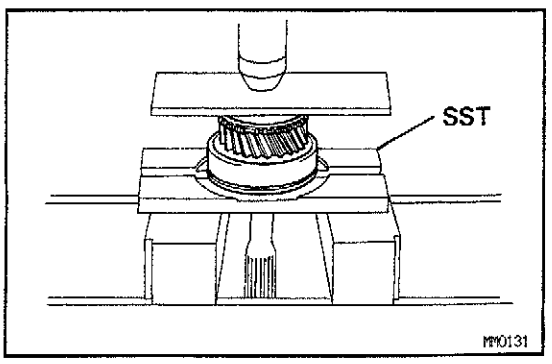
### REPLACE INPUT SHAFT BEARING



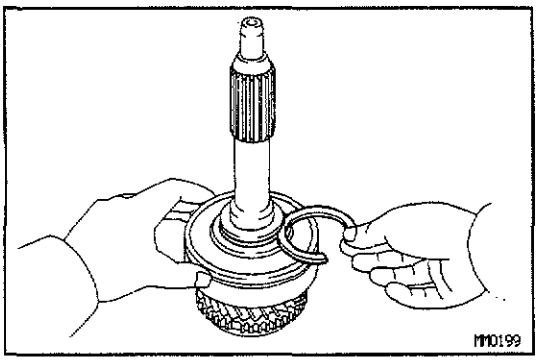

(a) Using a snap ring expander, remove the snap ring.

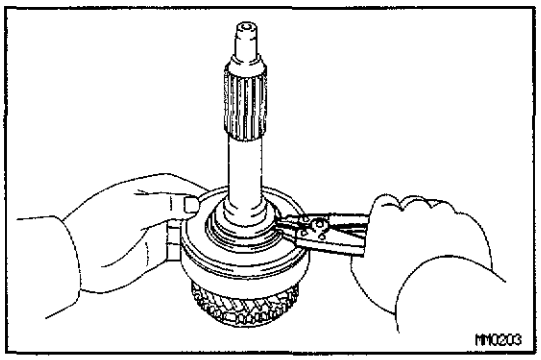



(b) Using a press, remove the bearing.




(c) Using SST and a press, install a new bearing.
SST 09527–30010




(d) Select a snap ring that will allow minimum axial play and install it on the shaft.

| Mark | Thickness mm (in.) |
|---|---|
| 2 | 2.50–2.55 (0.0984–0.1004) |
| 3 | 2.55–2.60 (0.1004–0.1024) |
| 4 | 2.60–2.65 (0.1024–0.1043) |
| 5 | 2.65–2.70 (0.1043–0.1063) |
| 6 | 2.70–2.75 (0.1063–0.1083) |
| 7 | 2.75–2.80 (0.1083–0.1102) |

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