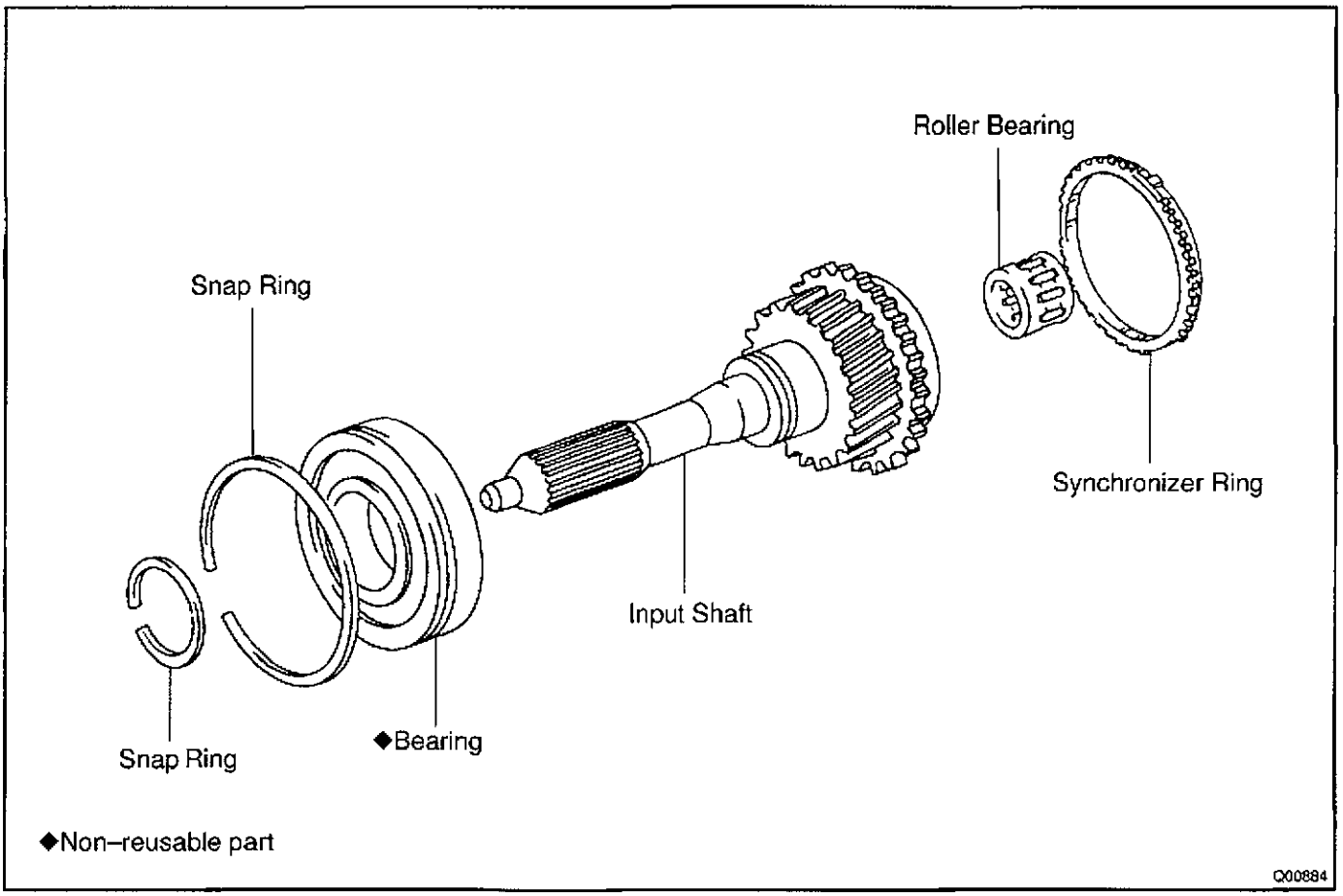
INPUT SHAFT

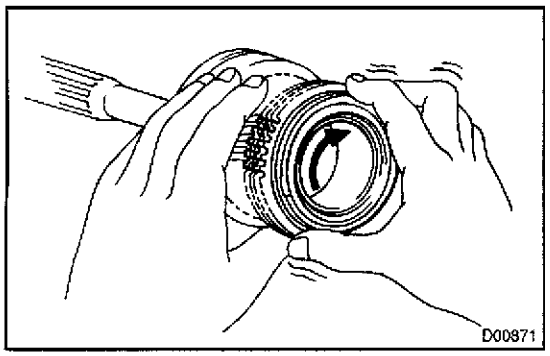
COMPONENTS



MT05D-01

INSPECTION

INSPECT SYNCHRONIZER RING



(a) Check for wear or damage.

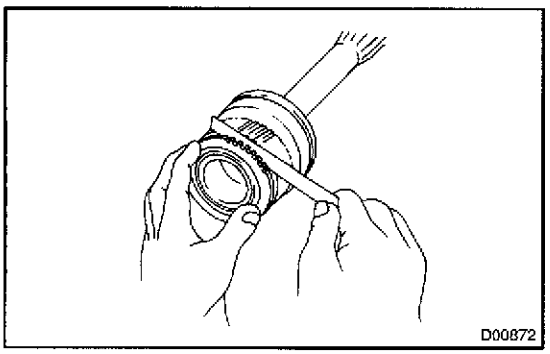
(b) Check for the braking effect of the synchronizer ring.
Turn the synchronizer ring in one direction while pushing it to the gear cone. Check that the ring locks.

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:

Ensure the fine lapping compound is completely washed off after rubbing.

(c) Check again the braking effect of the synchronizer ring.



(d) Using a feeler gauge, measure the clearance between the synchronizer ring back and gear spline end.
Minimum clearance:
0.5 mm (0.020 in.)

If the clearance is less than the minimum, replace the synchronizer ring, and apply a small amount of the fine lapping compound on gear cone.

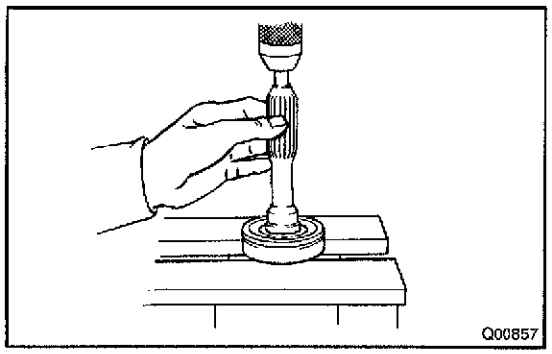
NOTICE:

Ensure the fine lapping compound is completely washed off after rubbing.

MT05E–01

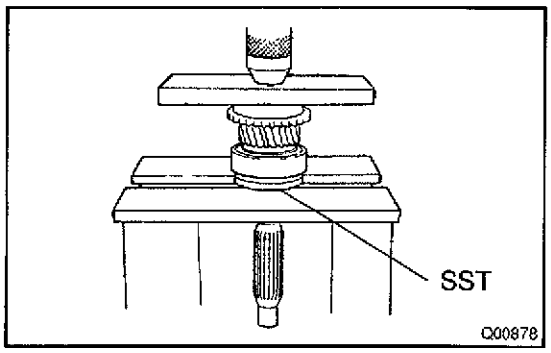
REPLACEMENT

IF NECESSARY, REPLACE INPUT SHAFT BEARING

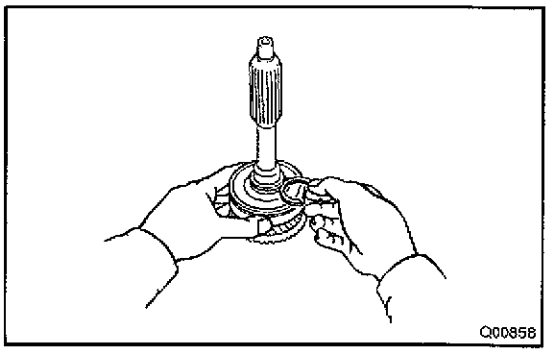


(a) Using a snap ring expander, remove the snap ring.

(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 allows the minimum axial play.

Mark	Thickness mm (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.