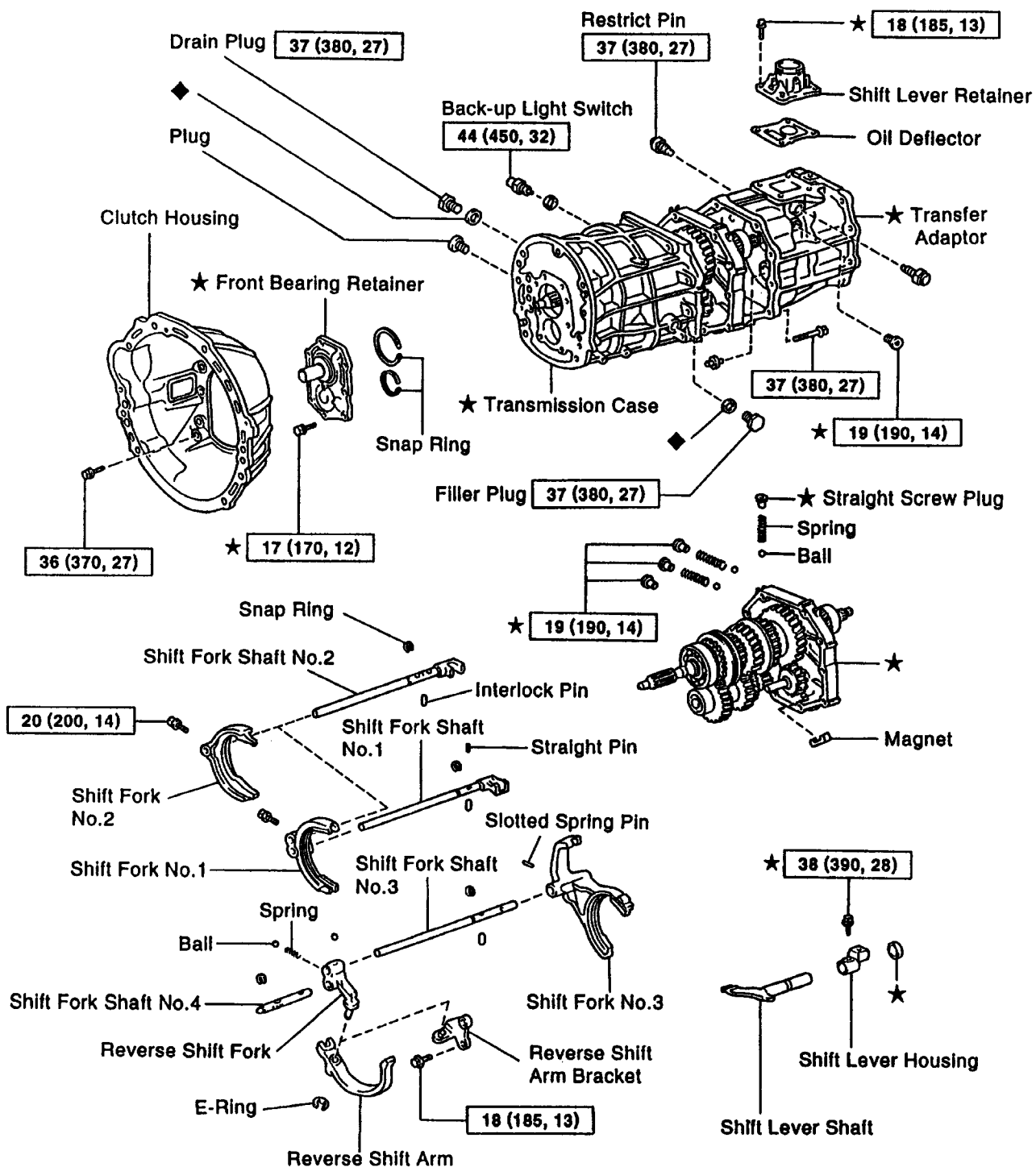


# COMPONENT PARTS REMOVAL

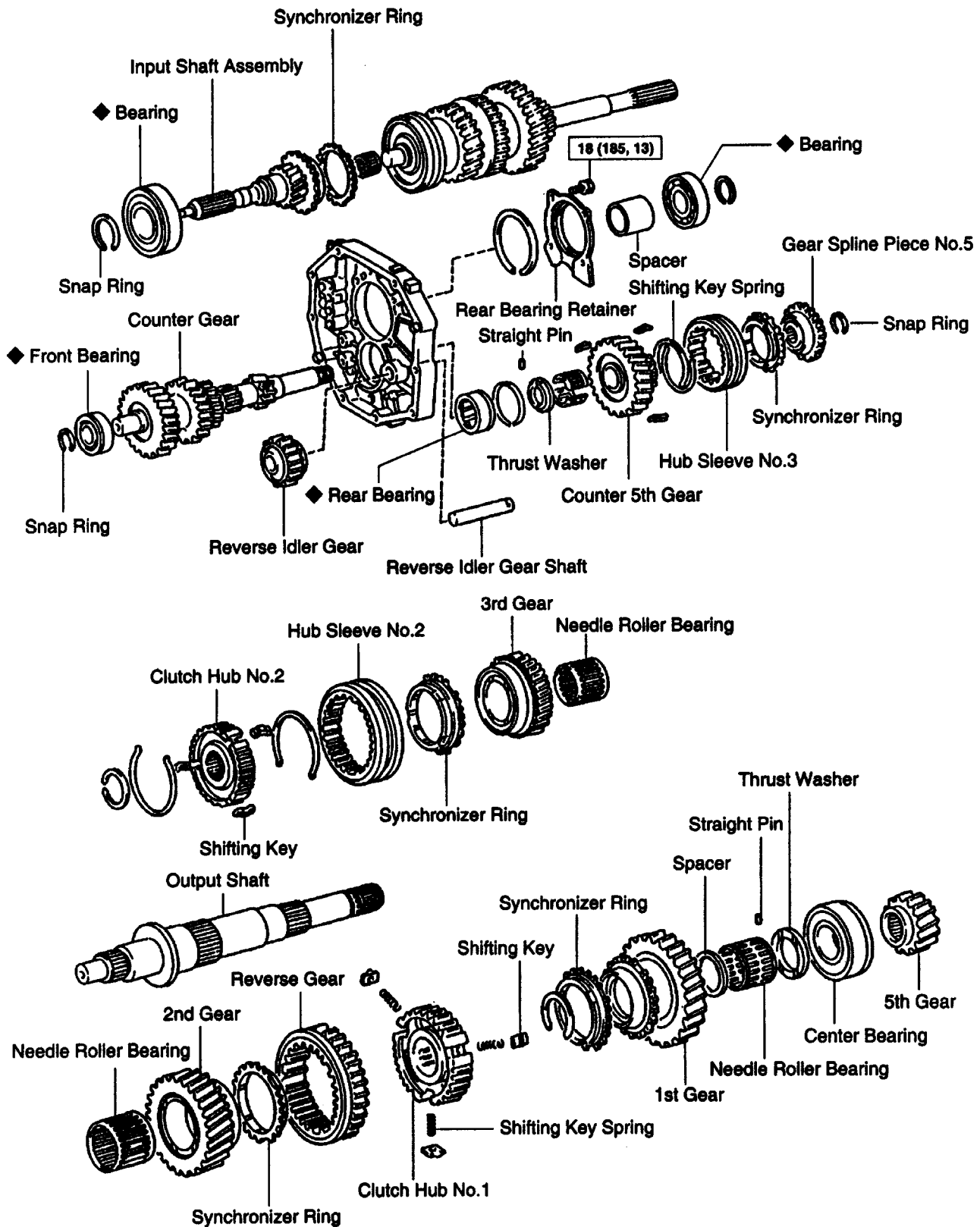
## COMPONENTS



N·m (kgf·cm, ft·lbf) : Specified torque

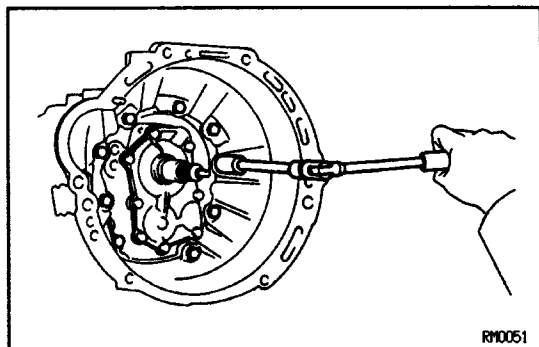
◆ Non-reusable part

★ Precoated part



N·m (kgf·cm, ft·lbf) : Specified torque

◆ Non-reusable part

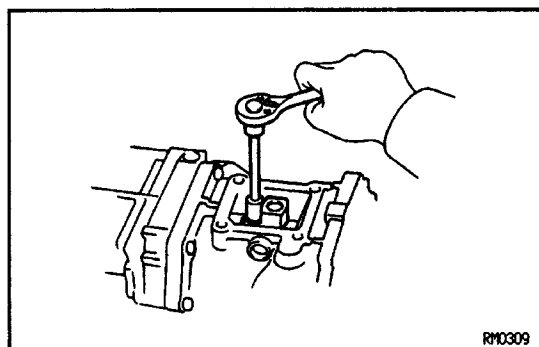


## BASIC SUBASSEMBLY SEPARATION

(See pages [MT2-16](#) and [MT2-17](#))

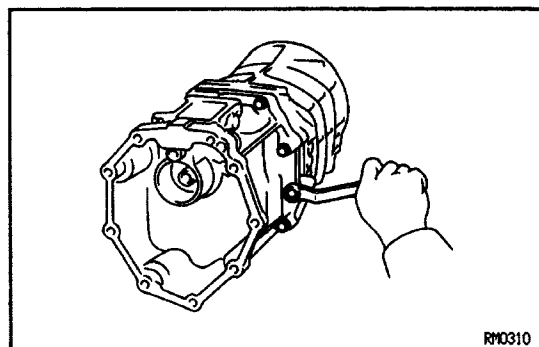
1. REMOVE RELEASE FORK AND BEARING
2. REMOVE BACK-UP LIGHT SWITCH, SHIFT LEVER RETAINER AND RESTRICT PINS
3. REMOVE CLUTCH HOUSING FROM TRANSMISSION CASE

Remove the 9 bolts and clutch housing.



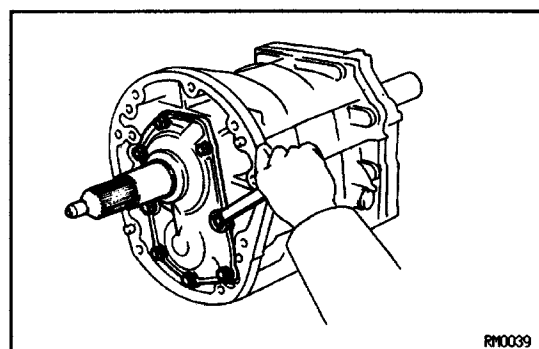
### 4. REMOVE TRANSFER ADAPTOR

- (a) Remove the shift lever housing set bolt.



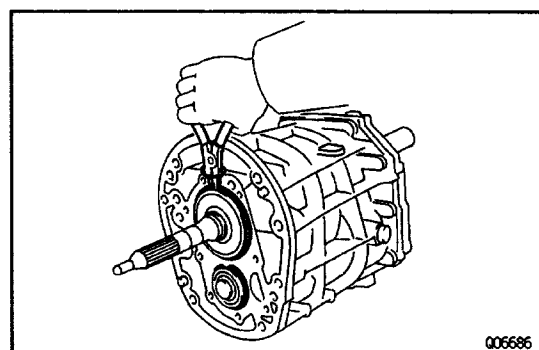
- (b) Remove the 10 bolts.

- (c) Using a plastic hammer, tap the transfer adaptor and remove the shift lever housing and shift and select lever.



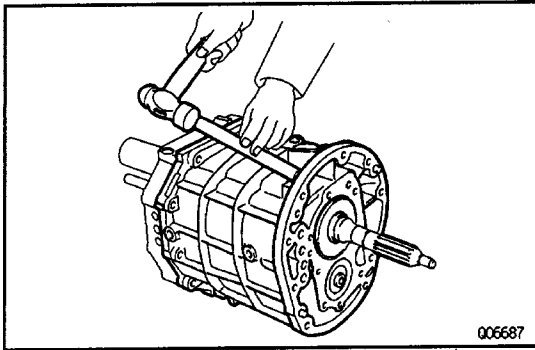
### 6. REMOVE FRONT BEARING RETAINER

- (a) Remove the 8 bolts.
- (b) Using a plastic hammer, tap the front bearing retainer.



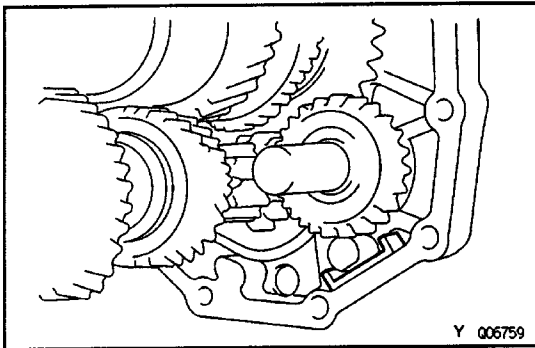
### 6. REMOVE BEARING SNAP RINGS

Using a snap ring expander, remove the 2 snap rings.

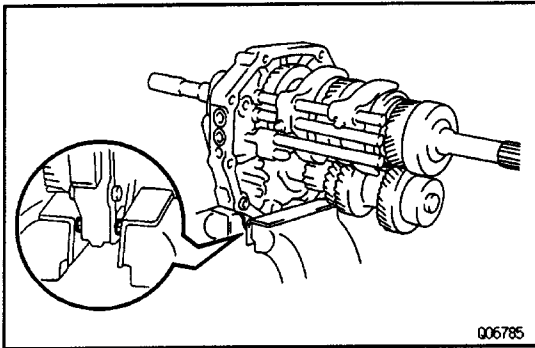


## 7. SEPARATE INTERMEDIATE PLATE FROM TRANSMISSION CASE

- (a) Using a brass bar and hammer, carefully tap the transmission case.
- (b) Remove the transmission case from the intermediate plate.



## 8. REMOVE MAGNET FROM INTERMEDIATE PLATE

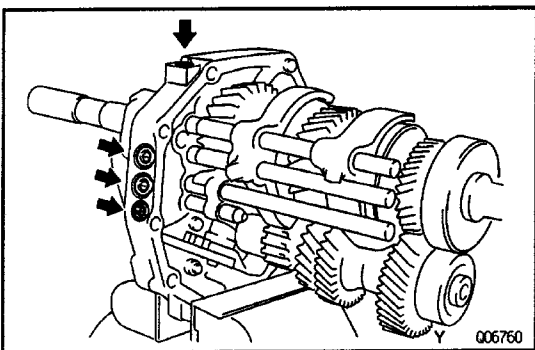


## 9. MOUNT INTERMEDIATE PLATE IN VISE

- (a) Use the 2 clutch housing bolts, plate washers and suitable nuts, as shown.

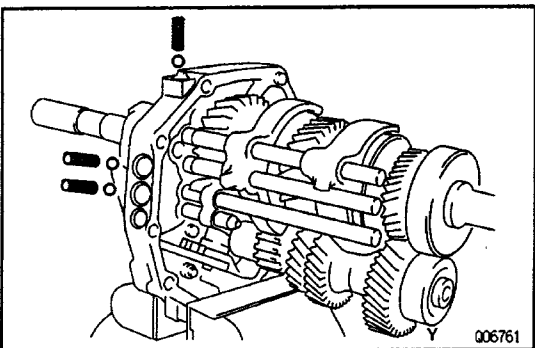
**NOTICE:** Increase or decrease plate washers so that the bolt tip does not stand proud of the nut.

- (b) Mount the intermediate plate in a vise.

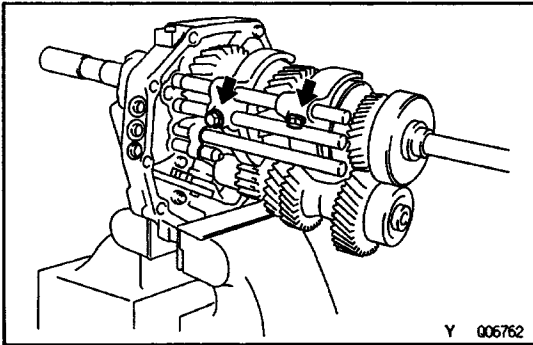


## 10. REMOVE STRAIGHT SCREW PLUGS, LOCKING BALLS AND SPRINGS

- (a) Using a hexagon wrench, remove the 4 plugs.

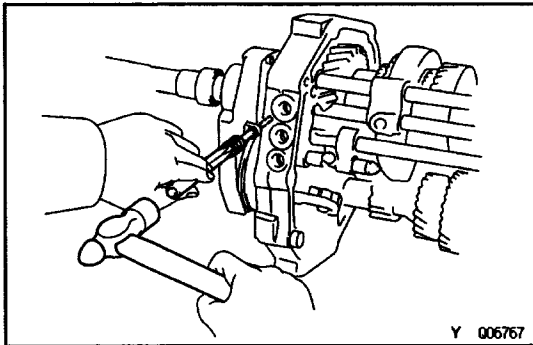


- (b) Using a magnetic finger, remove the 3 springs and balls.



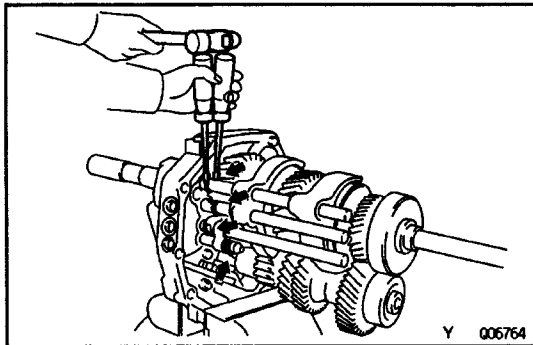
### 1. REMOVE SHIFT FORKS SET BOLTS

Remove the 2 bolts.



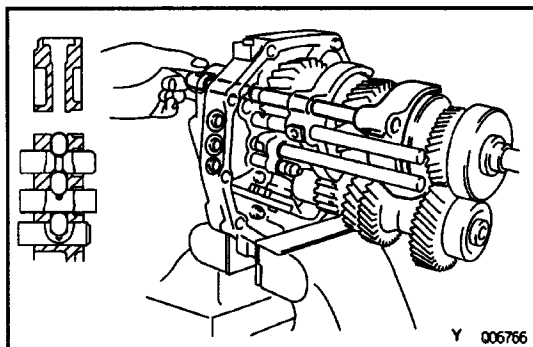
### 12. REMOVE SLOTTED SPRING PIN

Using a pin punch and hammer, drive out the pin.



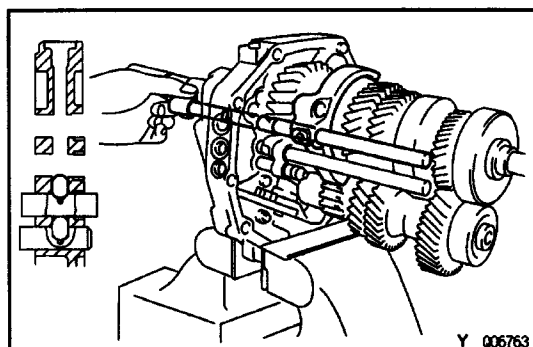
### 13. REMOVE SNAP RINGS

Using 2 screwdrivers and a hammer, tap out the 4 snap rings.



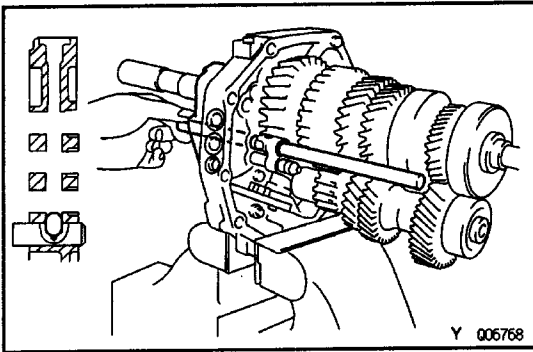
### 14. REMOVE SHIFT FORK SHAFT NO.2 AND SHIFT FORK NO.2

- Pull out the shift fork shaft No.2 from the intermediate plate.
- Remove the shift fork No.2.
- Using a magnetic finger, remove the interlock pin from the intermediate plate.



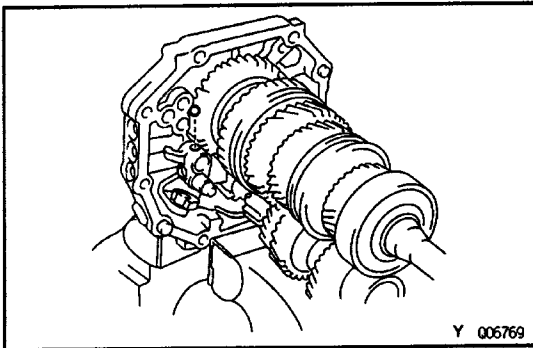
### 15. REMOVE SHIFT FORK SHAFT NO.1 AND SHIFT FORK NO.1

- Pull out the shift fork shaft No. 1 with the straight pin from the intermediate plate.
- Remove the shift fork No.1.
- Using a magnetic finger, remove the interlock pin from the intermediate plate.



#### 16. REMOVE SHIFT FORK SHAFT NO.3 AND SHIFT FORK NO.3

- (a) Pull out the shift fork shaft No.3 from the intermediate plate.
- (b) Remove the shift fork No.3.
- (c) Using a magnetic finger, remove the interlock pin from the intermediate plate.



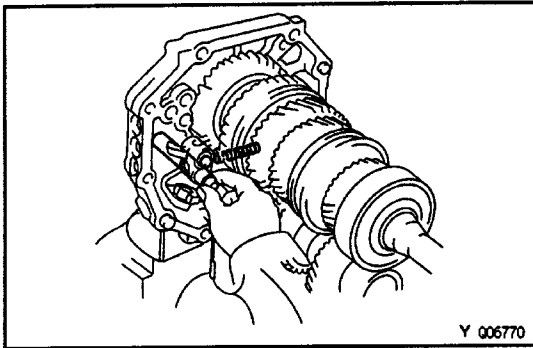
#### 17. REMOVE SHIFT FORK SHAFT NO.4

- (a) Using a magnetic finger, remove the ball.

- (b) Pull out the shift fork shaft No.4 from the intermediate plate.

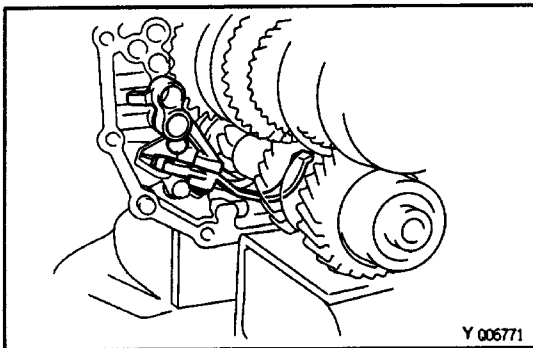
**NOTICE:** Take care of the ball in the reverse shift head. It will spring out when you pull out the shift fork shaft No.4.

- (c) Using a magnetic finger, remove the spring from the reverse shift fork.

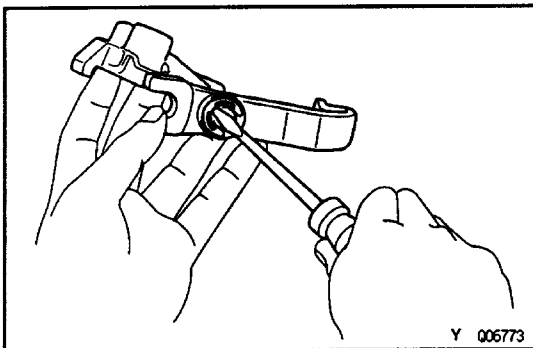


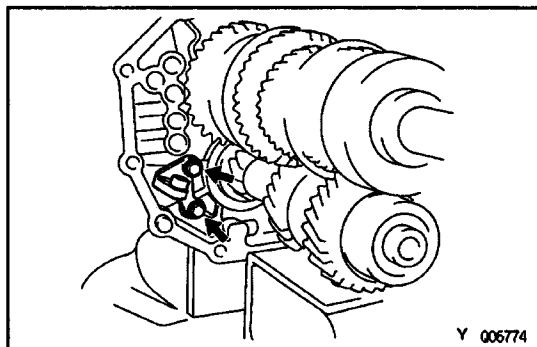
#### 18. REMOVE REVERSE SHIFT FORK AND ARM

- (a) Remove the reverse shift fork and arm.

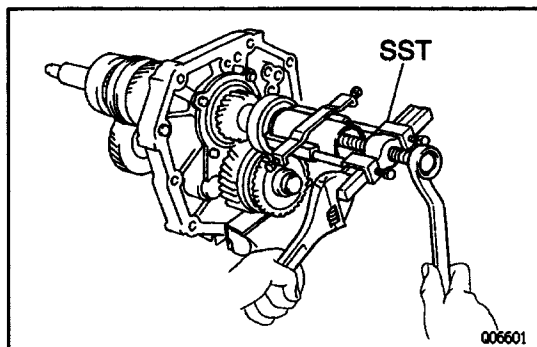


- (b) Using a screwdriver, remove the E-ring.
- (c) Separate the reverse shift fork and arm.

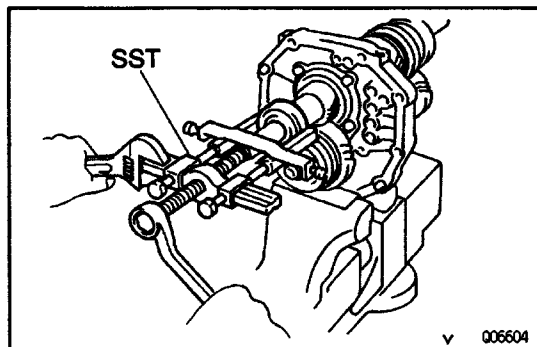


**19. REMOVE REVERSE SHIFT ARM BRACKET**

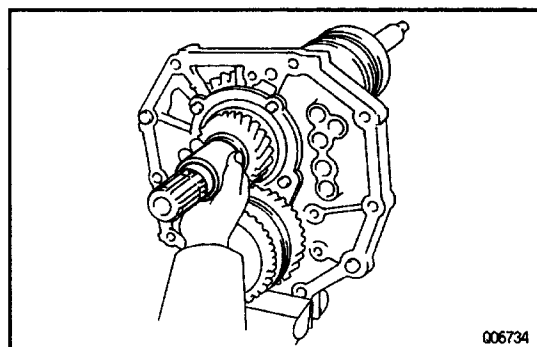
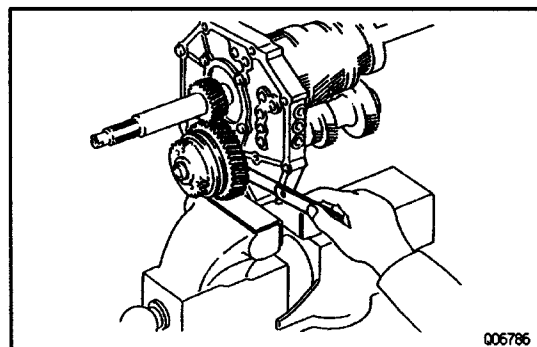
Remove the 2 bolts and the reverse shift arm bracket.

**20. REMOVE SLEEVE FROM OUTPUT SHAFT**

Using SST, remove the sleeve from the output shaft.  
SST 09950 – 40010

**21. REMOVE OUTPUT SHAFT REAR BEARING**

- (a) Using 2 screwdrivers and a hammer, tap out the snap ring.
- (b) Using SST, remove the rear bearing.  
SST 09950–40010

**22. REMOVE SPACER****23. INSPECT COUNTER 5TH GEAR THRUST CLEAR-  
ANCE**

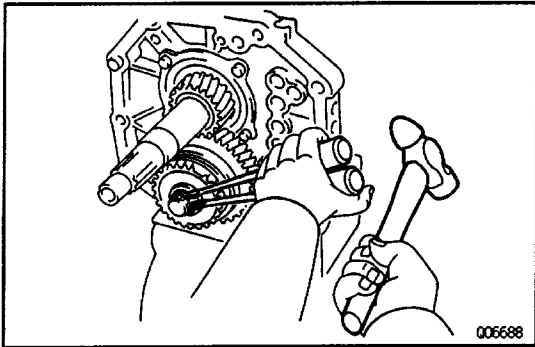
Using a feeler gauge, measure the counter 5th gear thrust clearance.

**Standard clearance:**

0.10 – 0.35 mm (0.0039 – 0.0138 in.)

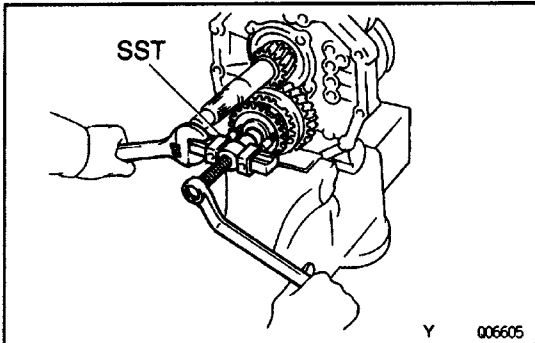
**Maximum clearance:**

0.40 mm (0.0157 in.)



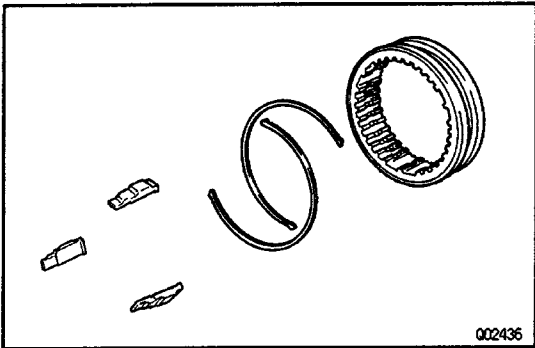
**24. REMOVE GEAR SPLINE PIECE NO.5, SYNCHRONIZER RING, NEEDLE ROLLER BEARING AND COUNTER 5TH GEAR WITH HUB SLEEVE NO.3**

(a) Using 2 screwdrivers and hammer, tap out the spig ring.



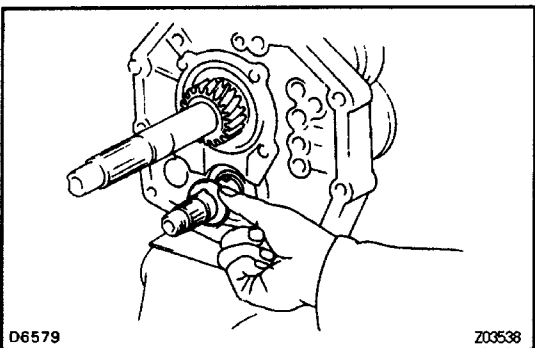
(b) Using SST, remove the gear spline piece No.5.  
SST 09950-50010

(c) Remove the counter 5th gear with the hub sleeve No.3.

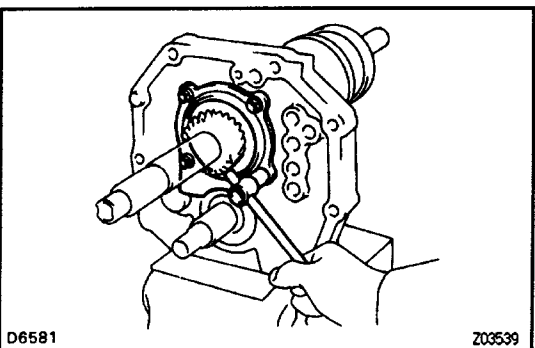


**25. REMOVE SHIFTING KEYS AND SPRINGS FROM 5TH GEAR AND HUB SLEEVE NO.3**

Using a screwdriver, remove the 3 shifting keys and 2 springs.



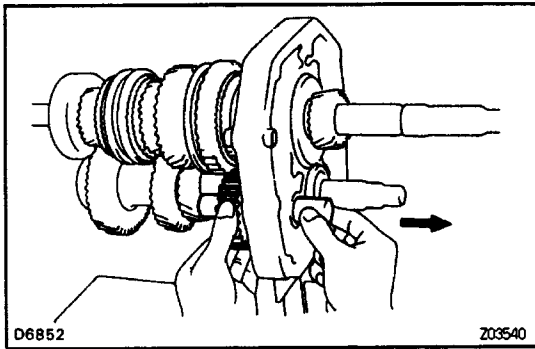
**26. REMOVE THRUST WASHER AND STRAIGHT PIN**



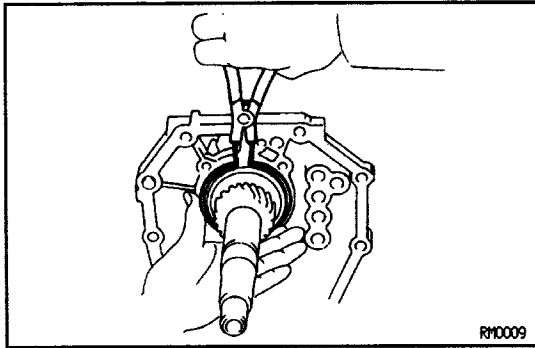
**27. REMOVE REAR BEARING RETAINER**

Remove the 4 bolts and rear bearing retainer.

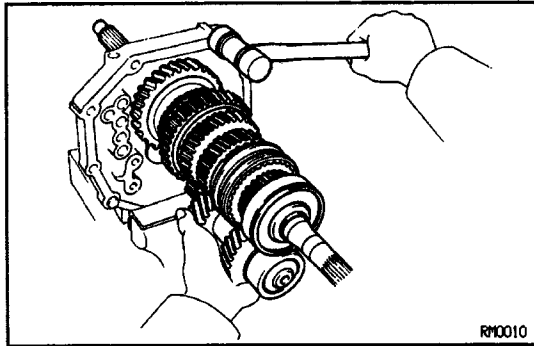


**28. REMOVE REVERSE IDLER GEAR AND SHAFT**

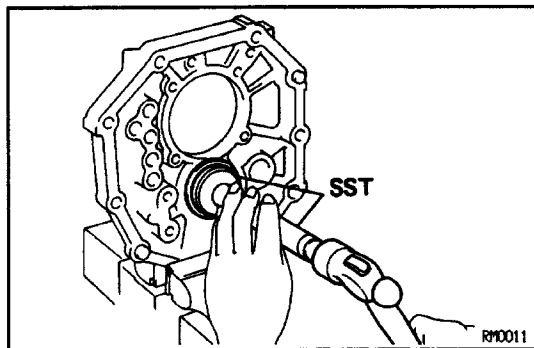
Pull out the shaft toward the rear.

**29. REMOVE BEARING SNAP RING**

Using a snap ring expander, remove the snap ring.

**30. REMOVE OUTPUT SHAFT, COUNTER GEAR AND INPUT SHAFT AS A UNIT FROM INTERMEDIATE PLATE**

- (a) Remove the output shaft, counter gear and input shaft as a unit from the intermediate plate by pulling on the counter gear and tapping on the intermediate plate with a plastic hammer.
- (b) Remove the input shaft with the needle roller bearing from the output shaft.

**31. REMOVE COUNTER REAR BEARING FROM INTERMEDIATE PLATE**

Using SST and a hammer, remove the counter rear bearing.

SST 09608-12010 (09608-00020, 09608-00050)