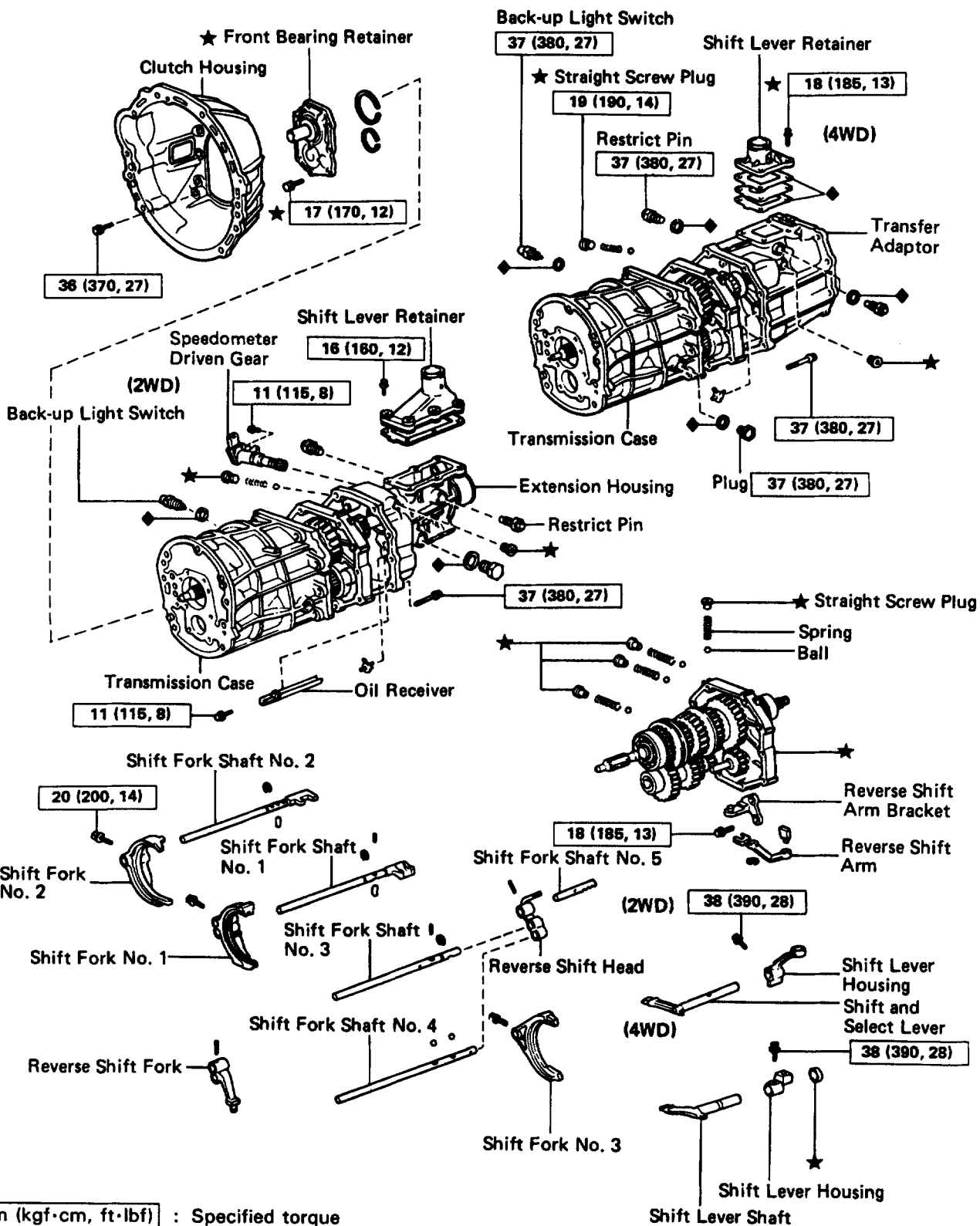
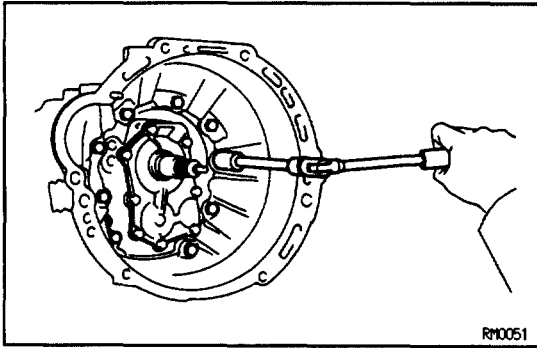


COMPONENT PARTS REMOVAL COMPONENTS

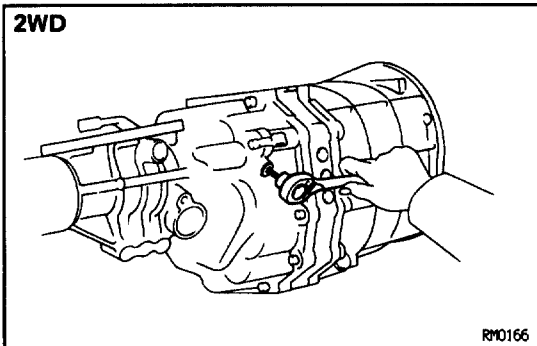




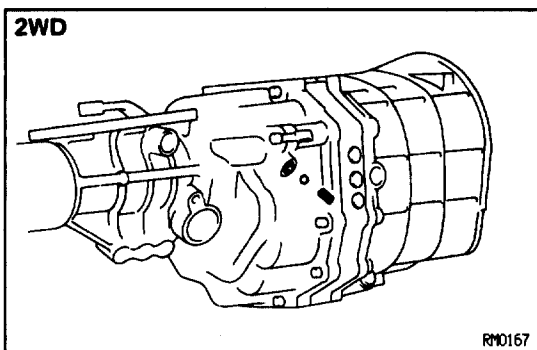
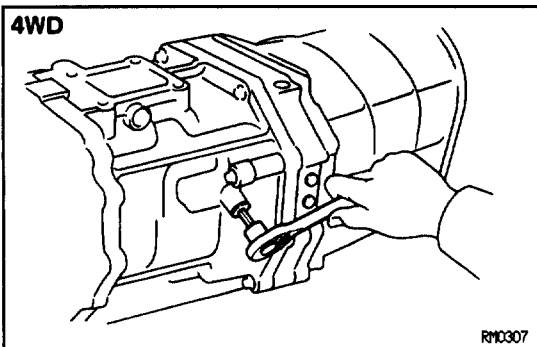
BASIC SUBASSEMBLY SEPARATION

(See pages [MT3-23](#) and [MT3-24](#))

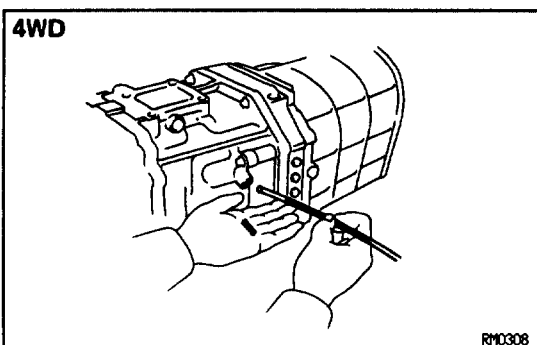
1. REMOVE RELEASE FORK AND BEARING
2. REMOVE BACK-UP LIGHT SWITCH, SPEEDOMETER DRIVE GEAR (2WD), SHIFT LEVER RETAINER AND RESTRICT PINS
3. REMOVE CLUTCH HOUSING FROM TRANSMISSION CASE

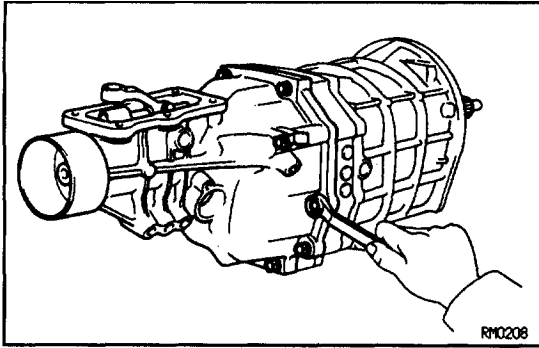


4. REMOVE STRAIGHT SCREW PLUG, SPRING AND BALL
 - (a) Using a torx socket wrench, remove the screw plug from the extension housing or transfer adaptor.
(Torx socket wrench T40 09042-00020)



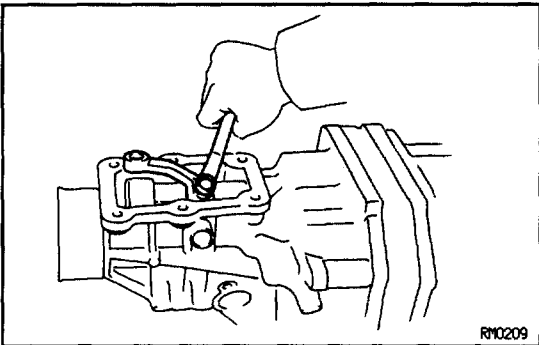
- (b) Using a magnetic finger, remove the spring and ball.



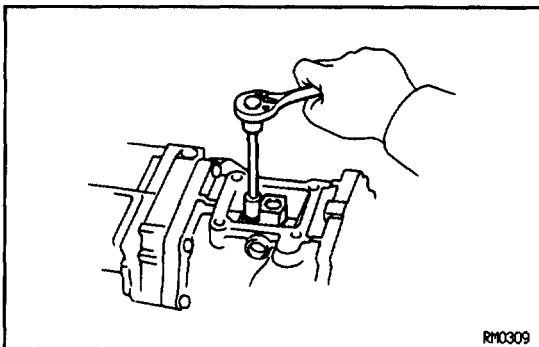


**5. 2WD:
REMOVE EXTENSION HOUSING**

- (a) Remove the 10 bolts.

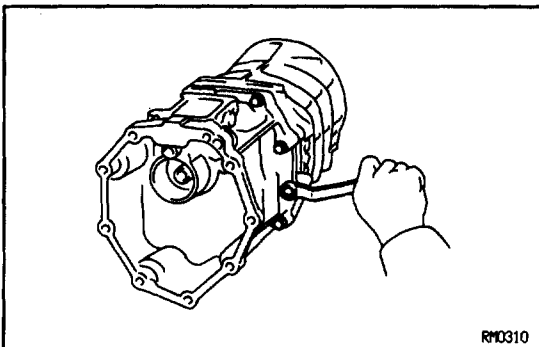


- (b) Remove the shift lever housing set bolt.
(c) Using a plastic hammer, tap the extension housing and remove the shift lever housing and shift and select lever.

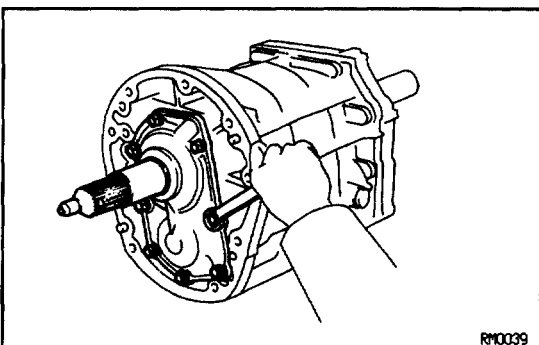


**6. 4WD:
REMOVE TRANSFER ADAPTOR**

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

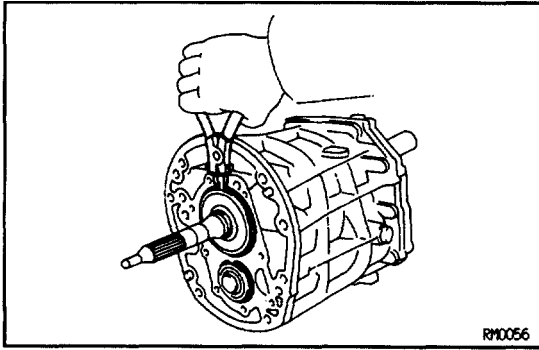


- (b) Remove the 10 bolts.
(c) Using a plastic hammer, tap the transfer adaptor and remove the shift lever housing and shift and select lever.



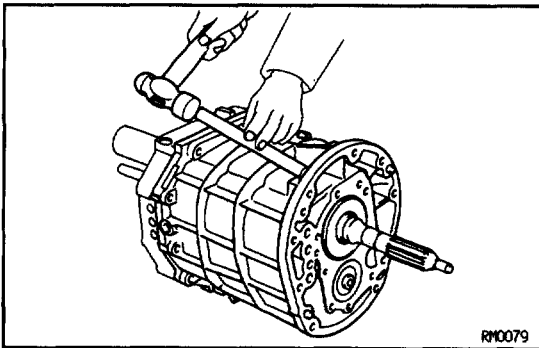
7. REMOVE FRONT BEARING RETAINER

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



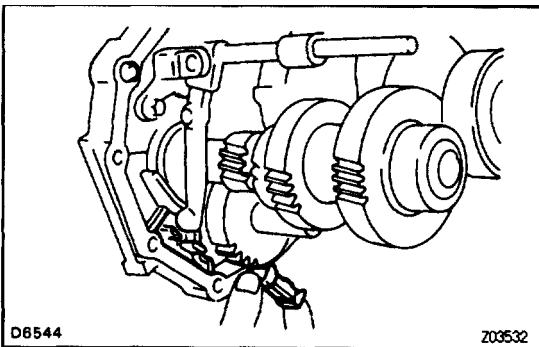
8. REMOVE BEARING SNAP RINGS

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

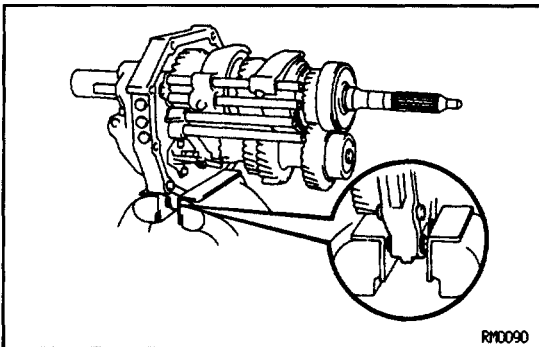


9. SEPARATE INTERMEDIATE PLATE FROM TRANSMISSION CASE

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



10. REMOVE MAGNET FROM INTERMEDIATE PLATE

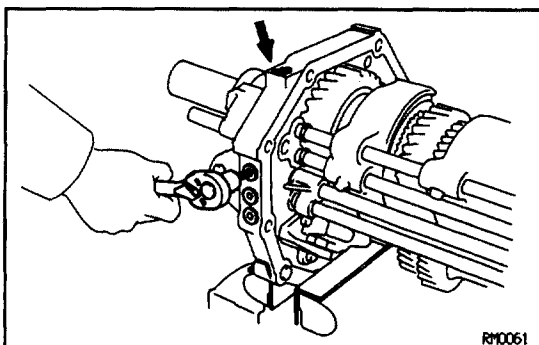


11. MOUNT INTERMEDIATE PLATE IN VISE

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

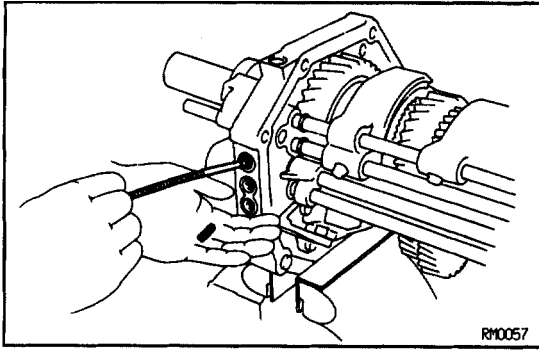
NOTICE: Install the plate washers in reverse of normal. Increase or decrease plate washers so that the bolt tip and front tip surface of the nut are aligned.

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

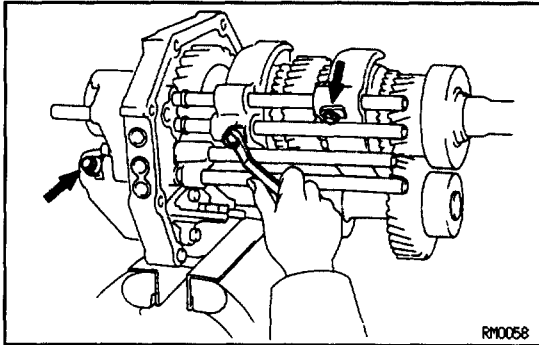


12. REMOVE STRAIGHT SCREW PLUGS, LOCKING BALLS AND SPRINGS

- (a) Using a torx socket wrench, remove the 4 plugs. (Torx socket wrench T40 09042-00020)

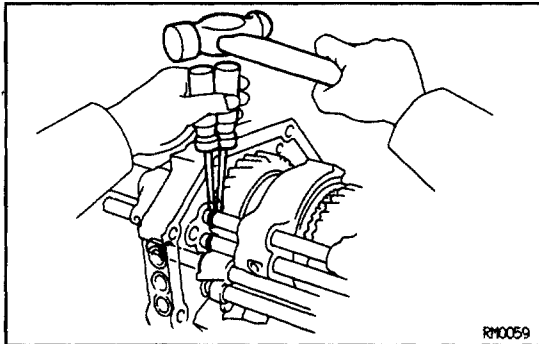


- (b) Using a magnetic finger, remove the 4 springs and balls.



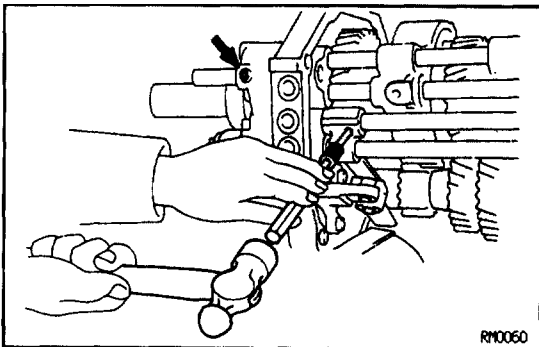
13. REMOVE SHIFT FORK SET BOLTS

Remove the 3 bolts.



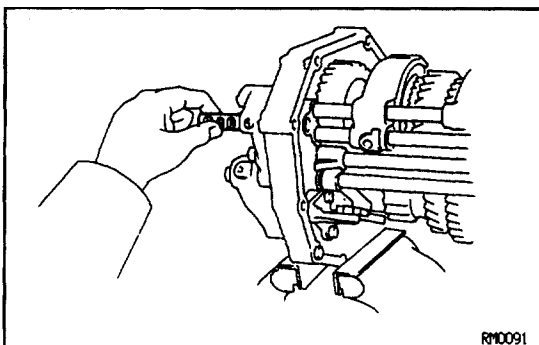
14. REMOVE SNAP RINGS

Using 2 screwdrivers and a hammer, tap out the 3 snap rings.



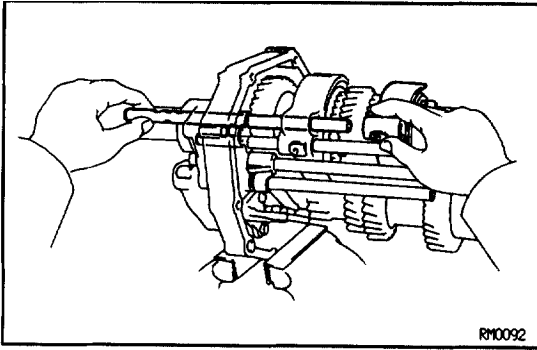
15. REMOVE SLOTTED SPRING PINS

Using a pin punch and hammer, drive out the 2 pins.

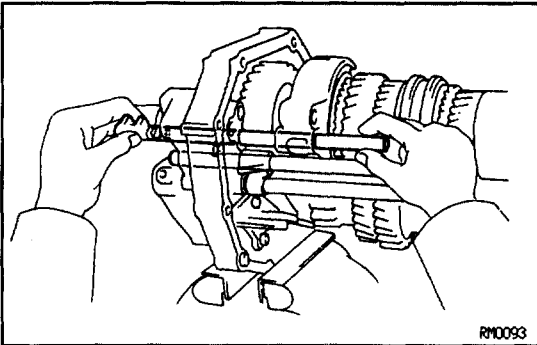


16. REMOVE SHIFT FORK SHAFT NO.5

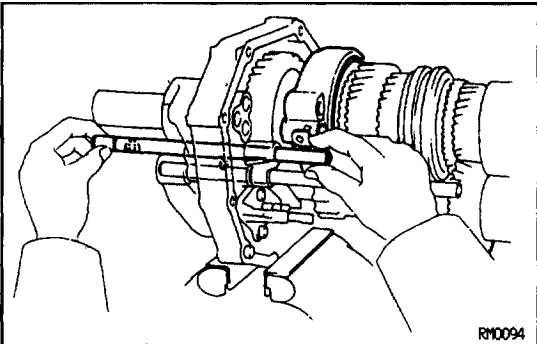
Pull out the shift fork shaft No.5 from the intermediate plate.

**17. REMOVE SHIFT FORK SHAFT NO.2 AND SHIFT FORK**

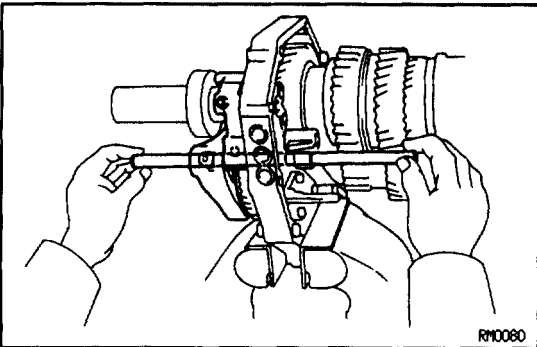
- (a) Pull out the shift fork shaft No.2 from the intermediate plate.
- (b) Remove the shift fork No.2.
- (c) Using a magnetic finger, remove the interlock pin from the intermediate plate.

**18. REMOVE SHIFT FORK SHAFT NO.1**

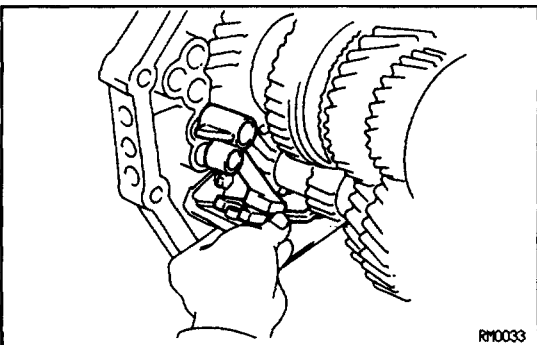
- (a) Pull out the shift fork shaft No.1 from the intermediate plate.
- (b) Using a magnetic finger, remove the interlock pins from the shaft hole and intermediate plate.

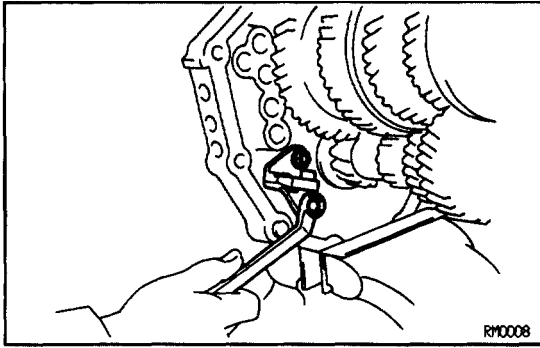
**19. REMOVE SHIFT FORK SHAFT NO.3 AND SHIFT FORK NO.1**

- (a) Pull out the shift fork shaft No.3 from the intermediate plate.
- (b) Remove the shift fork No.1.
- (c) Using a magnetic finger, remove the interlock pin and locking ball from the shaft hole and intermediate plate.

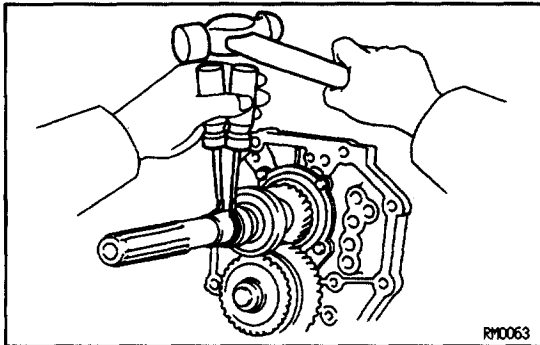
**20. REMOVE SHIFT FORK SHAFT NO.4, SHIFT FORK NO.3 AND REVERSE SHIFT HEAD**

- (a) Pull out the shift fork shaft No.4 from the intermediate plate.
- (b) Remove the reverse shift head and locking ball.
- (c) Remove the shift fork No.3.

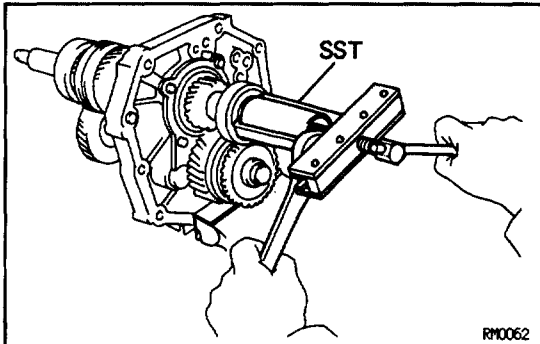
**21. REMOVE REVERSE SHIFT ARM FROM REVERSE SHIFT ARM BRACKET**

**22. REMOVE REVERSE SHIFT ARM BRACKET**

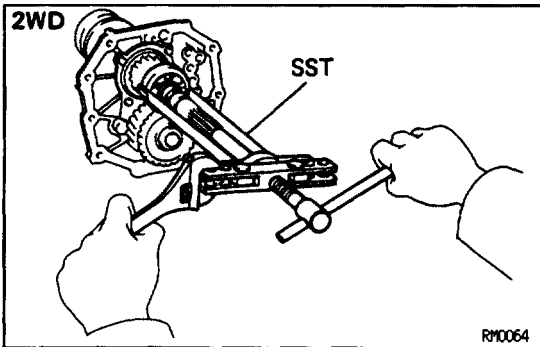
Remove the 2 bolts and the reverse shift arm bracket.

**23. 2WD:****REMOVE SPEEDOMETER DRIVE GEAR**

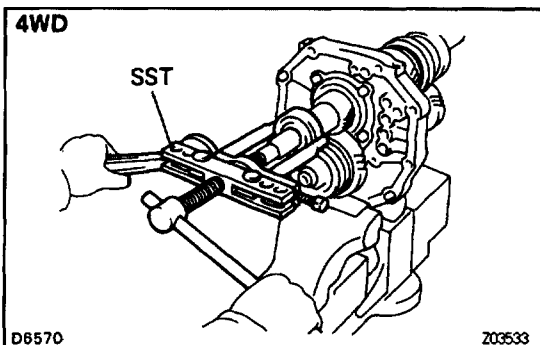
- (a) Using 2 screwdrivers and a hammer, tap out the rear snap ring.
- (b) Remove the speedometer drive gear and ball.
- (c) Using 2 screwdrivers and a hammer, tap out the front snap ring.

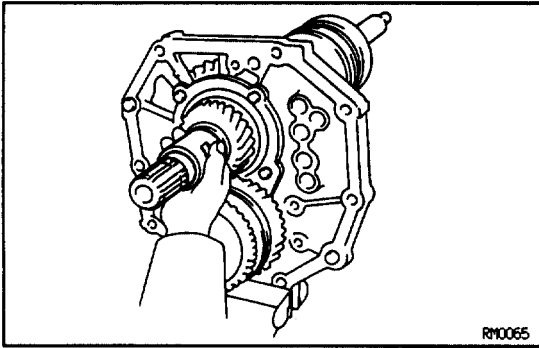
**24. 4WD:****REMOVE SLEEVE FROM OUTPUT SHAFT**

Using SST, remove the sleeve from the output shaft.
SST 09213-36020

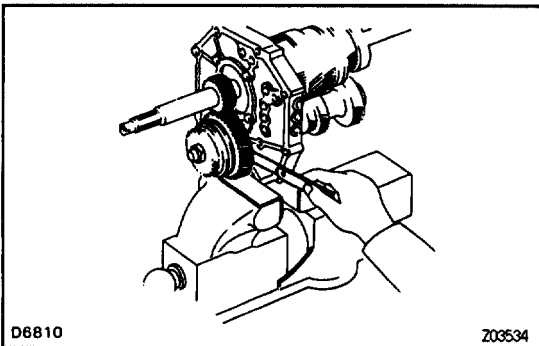
**25. REMOVE OUTPUT SHAFT REAR BEARING**

- (a) Using 2 screwdrivers and a hammer, tap out the snap ring.
- (b) Using SST, remove the rear bearing.
SST 09950-20017





26. REMOVE SPACER



27. MEASURE COUNTER 5TH GEAR THRUST CLEARANCE

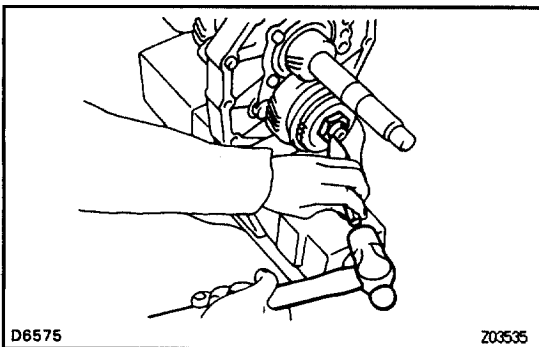
Using a feeler gauge, measure the counter 5th gear thrust clearance.

Standard clearance:

0.10–0.35 mm (0.0039–0.0138 in.)

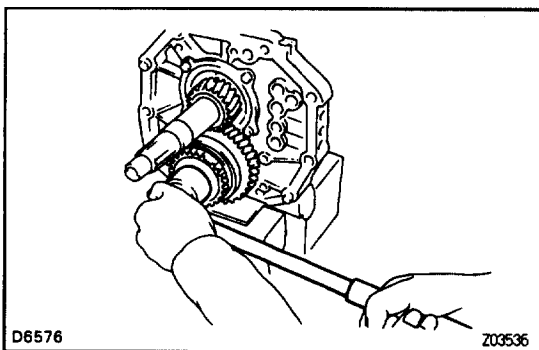
Maximum clearance:

0.40 mm (0.0157 in.)

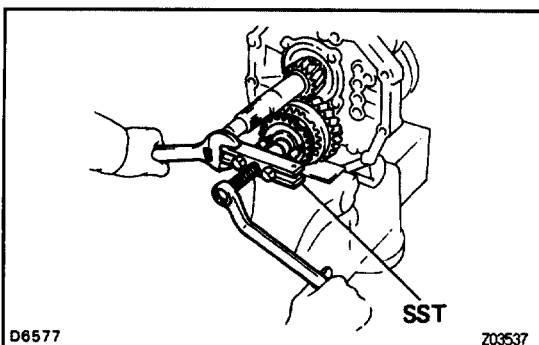


28. REMOVE GEAR SPLINE PIECE NO.5, SYNCHRONIZER RING, NEEDLE ROLLER BEARING AND COUNTER 5TH GEAR WITH HUB SLEEVE NO.3

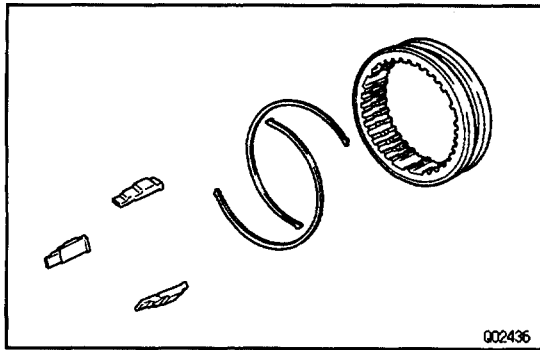
- (a) Engage the gear double meshing.
- (b) Using a hammer and chisel, loosen the staked part of the nut.



- (c) Remove the lock nut.
- (d) Disengage the gear double meshing.

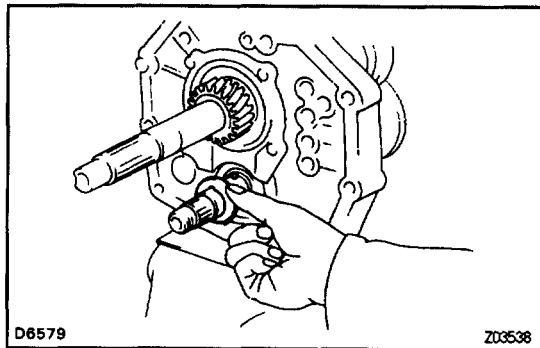


- (e) Using SST, remove the gear spline piece No.5.
SST 09213-31021
- (f) Remove the counter 5th gear with hub sleeve No.3.

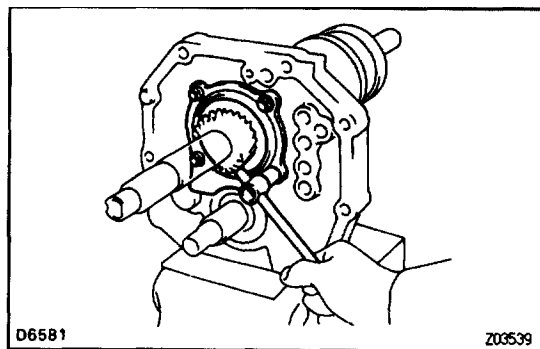


29. REMOVE SHIFTING KEYS AND SPRINGS FROM 5TH GEAR AND HUB SLEEVE NO.3

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

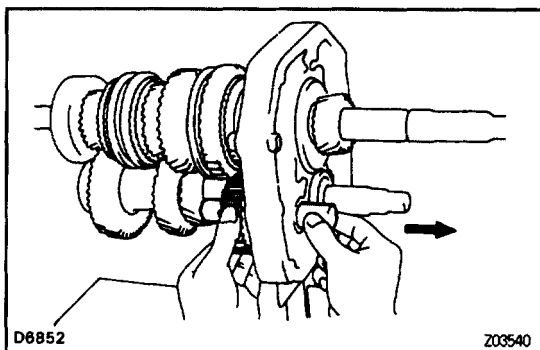


30. REMOVE THRUST WASHER AND BALL



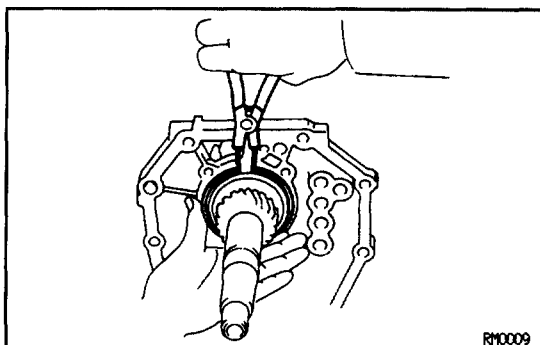
31. REMOVE REAR BEARING RETAINER

Remove the 4 bolts and rear bearing retainer.



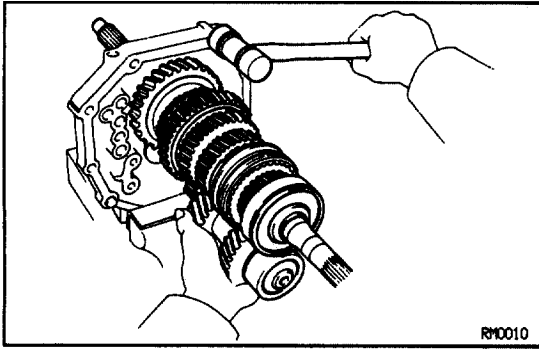
32. REMOVE REVERSE IDLER GEAR AND SHAFT

Pull out the shaft toward the rear.



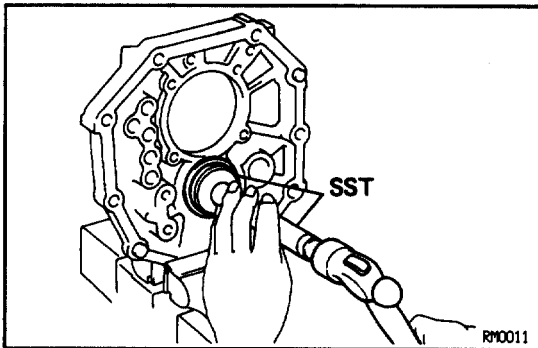
33. REMOVE BEARING SNAP RING

Using a snap ring expander, remove the snap ring.



34. 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.



35. REMOVE COUNTER REAR BEARING FROM INTERMEDIATE PLATE

Using SST and a hammer, remove the counter rear bearing.
SST 09608-12010 (09608-00020, 09608-00050)