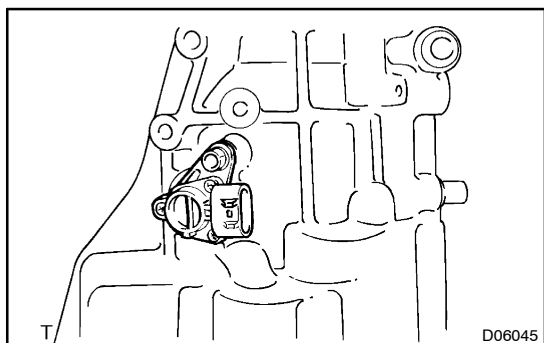


DISASSEMBLY

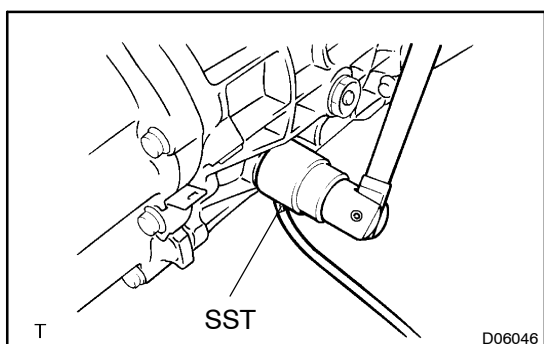
1. REMOVE SHIFT LEVER RETAINER

- (a) Remove the 4 bolts and disconnect the control shift lever dust boot.
- (b) Remove the shift lever retainer.



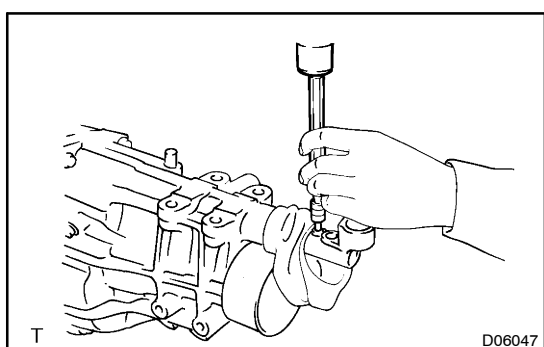
2. REMOVE VEHICLE SPEED SENSOR

Remove the bolt and vehicle speed sensor.



3. REMOVE BACK-UP LIGHT SWITCH

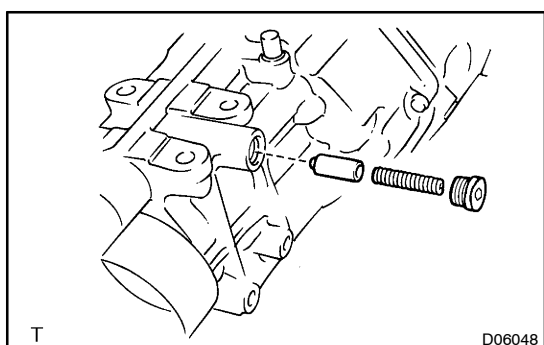
- (a) Disconnect the connector clamp.
- (b) Using SST, remove the back-up light switch and gasket.
SST 09817-16011



4. REMOVE FLOOR SHIFT LEVER HOUSING

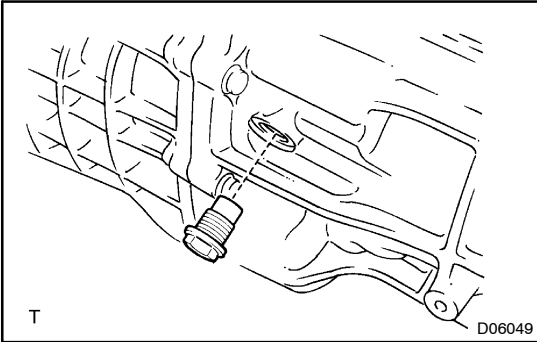
- (a) Turn over the control shift lever dust boot.
- (b) Remove the bolt.
- (c) Using a pin punch and hammer, drive out slotted spring pin and remove the floor shift lever housing.

5. REMOVE CONTROL SHIFT LEVER DUST BOOT

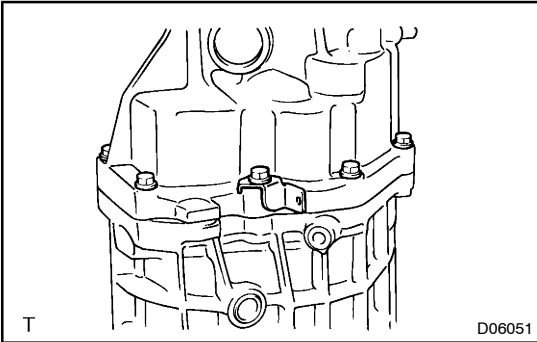


6. REMOVE LOCK BALL PIN

- (a) Using a hexagon wrench (8 mm, 0.31 in.), remove the head straight screw plug No. 2.
- (b) Remove the shift and select lever spring and lock ball pin.

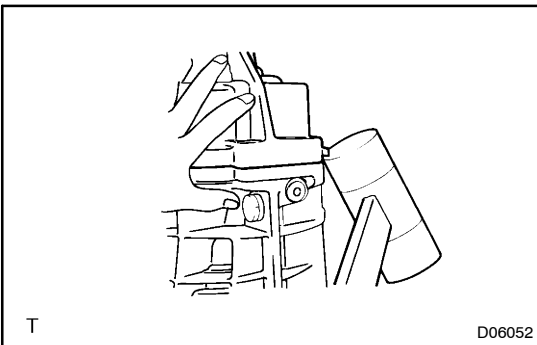


7. REMOVE REVERSE RESTRICT PIN

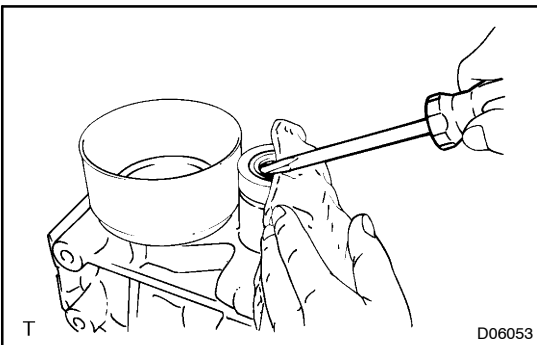


8. REMOVE EXTENSION HOUSING

(a) Remove the 9 bolts and clamp.

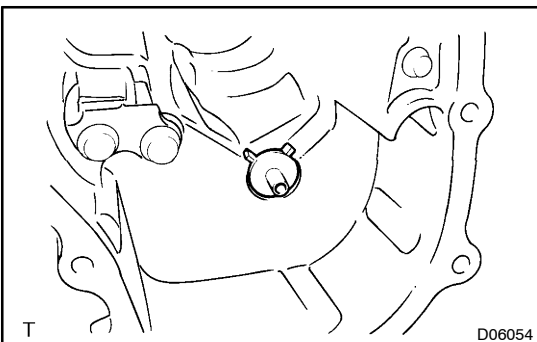


(b) Using a plastic hammer, carefully tap out the extension housing.

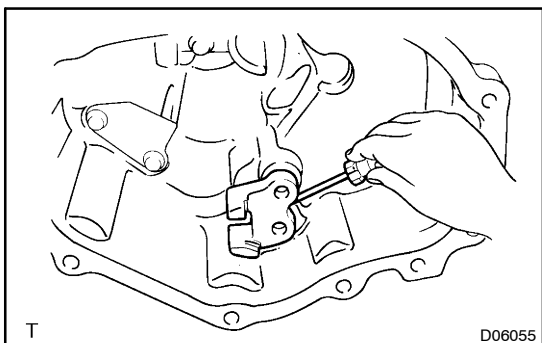


9. REMOVE EXTENSION HOUSING REAR OIL SEAL

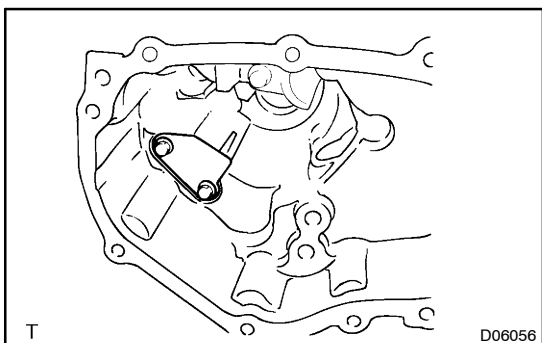
Using a screwdriver and a cloth, remove the extension housing rear oil seal.



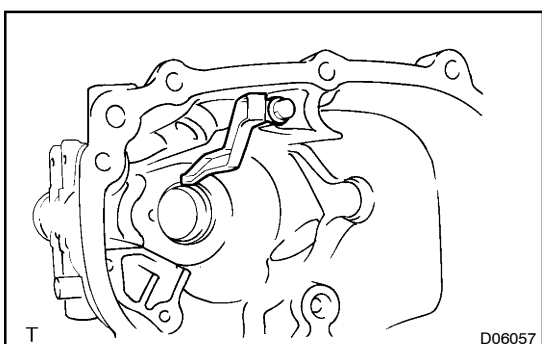
10. REMOVE EXTENSION HOUSING OIL RECEIVER PIPE NO. 2

**11. REMOVE SELECT STOPPER BLOCK**

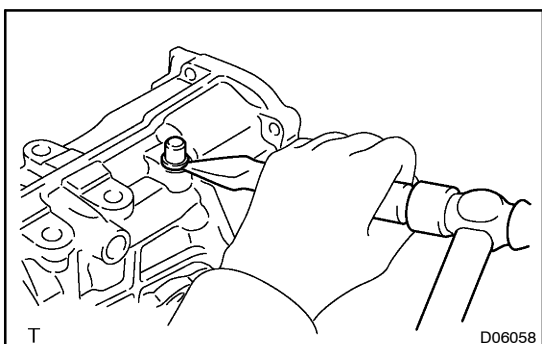
- (a) Remove the 2 bolts.
- (b) Using a screwdriver, remove the select stopper block.

**12. REMOVE OIL PROTECT PLATE**

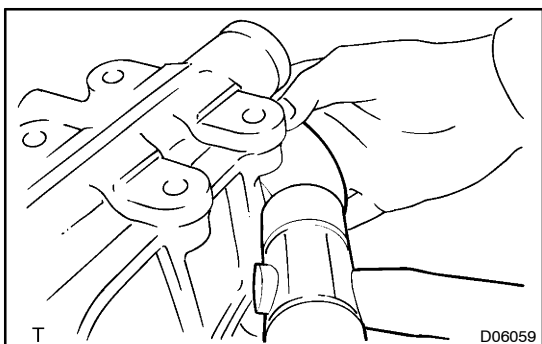
Remove the 2 bolts and oil protect plate.

**13. REMOVE EXTENSION HOUSING OIL RECEIVER PIPE NO.1**

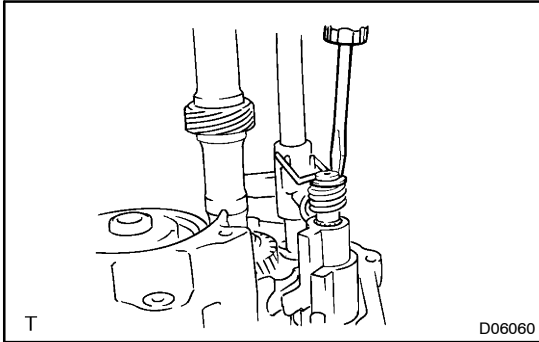
Remove the bolt and extension housing oil receiver pipe No.1.

**14. REMOVE EXTENSION HOUSING BREATHER PLUG**

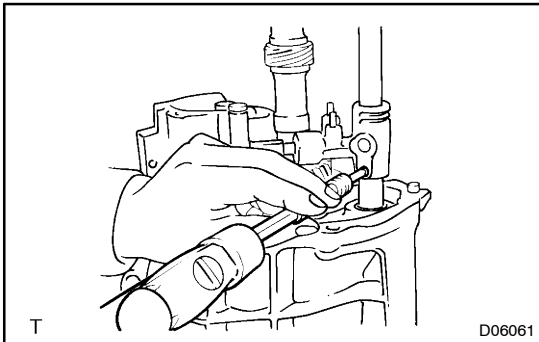
Using a chisel and hammer, remove the extension housing breather plug.

**15. REMOVE EXTENSION HOUSING DUST DEFLECTOR**

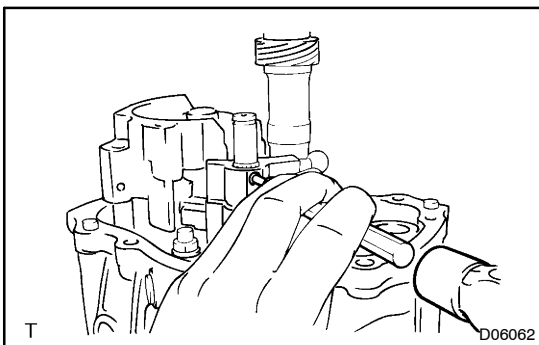
Using a plastic hammer, remove the extension housing dust deflector.

**16. REMOVE SELECT RETURN TORSION SPRING**

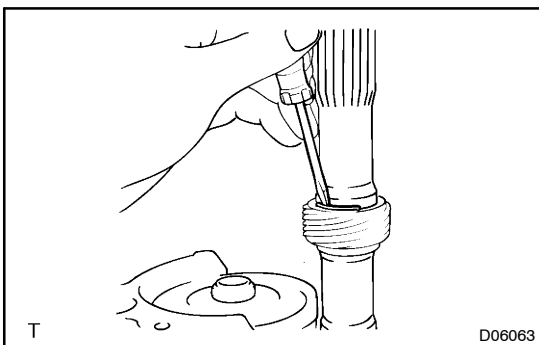
Using a screwdriver, remove the shift fork shaft E-ring and select return torsion spring.

**17. REMOVE SHIFT LEVER HOUSING**

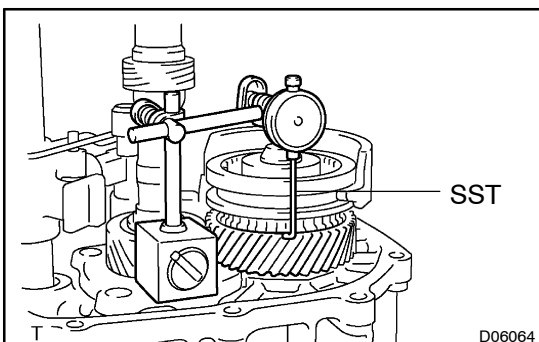
- (a) Remove the bolt.
- (b) Using a pin punch and hammer, drive out the slotted spring pin.
- (c) Remove the gear shift fork shaft No. 1 and shift lever housing.

**18. REMOVE SHIFT INTERLOCK PIN NO. 2**

- (a) Using a pin punch and hammer, drive out the slotted spring pin.
- (b) Remove the shift and select lever.
- (c) Remove the shift interlock block No. 2.

**19. REMOVE SPEEDOMETER DRIVE GEAR**

- (a) Using a screwdriver, remove the clip.
- (b) Remove the speedometer drive gear.

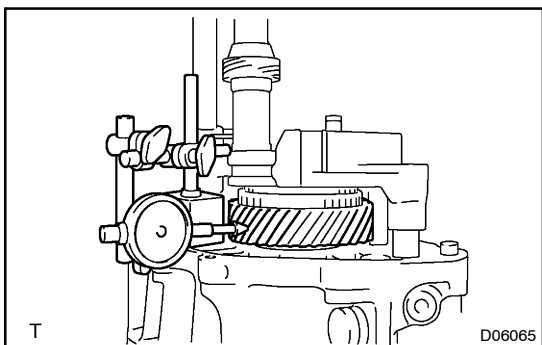
**20. INSPECT COUNTER 6TH GEAR THRUST CLEARANCE**

Using SST and dial indicator, measure the counter 6th gear thrust clearance.

SST 09350-20015 (09530-06120)

Standard clearance:

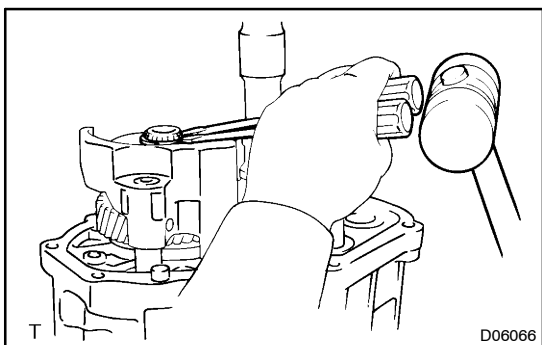
0.10 - 0.40 mm (0.0039 - 0.0157in.)

**21. INSPECT COUNTER 6TH GEAR OIL CLEARANCE**

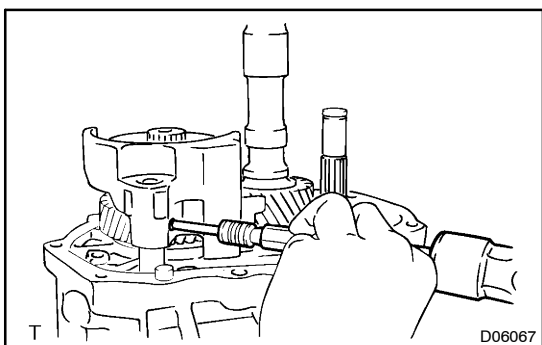
Using a dial indicator, measure the counter 6th gear oil clearance.

Standard clearance:

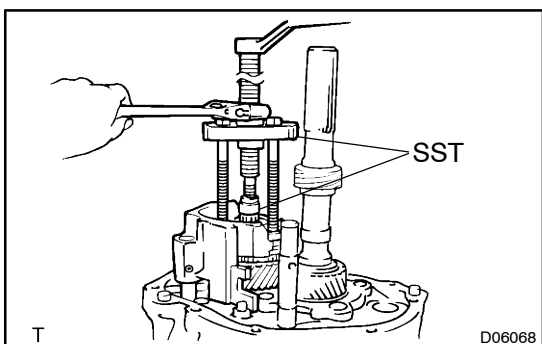
0.015 – 0.068 mm (0.00059 – 0.00268 in.)

**22. REMOVE 6TH GEAR**

(a) Using 2 screwdrivers, remove the shaft snap ring.

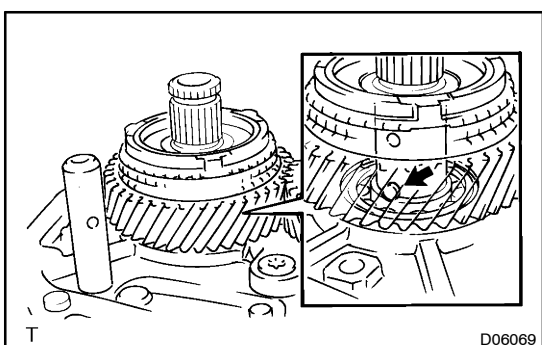


(b) Using a pin punch and hammer, remove the slotted spring pin.

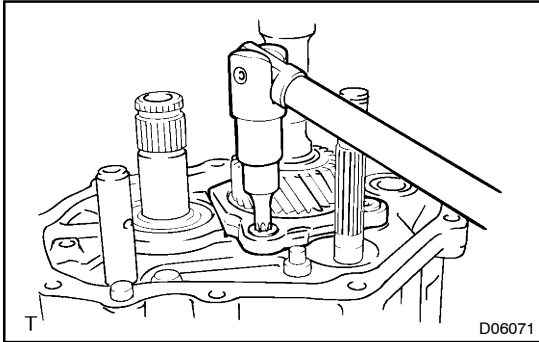


(c) Using SST, remove the clutch hub No. 4 and shift fork No.4.

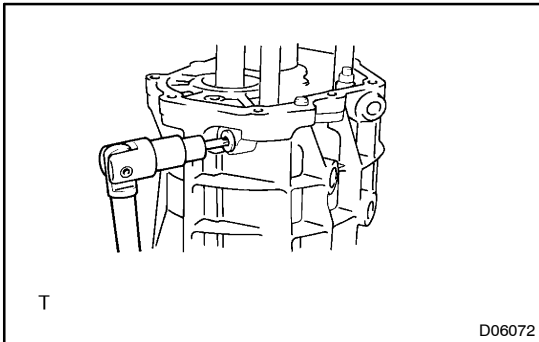
SST 09950-30011 (09951-03010, 09953-03010),
09950-40011 (09957-07010)



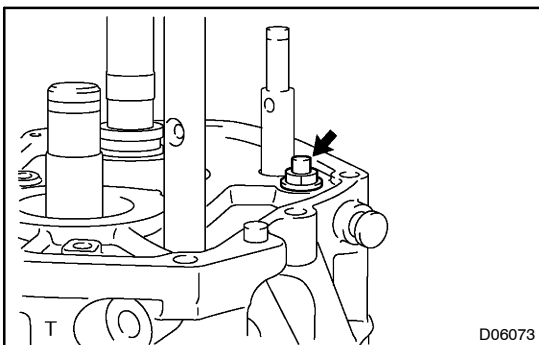
(d) Remove the counter 6th gear needle roller bearing, 6th gear thrust washer and gear thrust washer straight pin.

**23. REMOVE TRANSMISSION CASE**

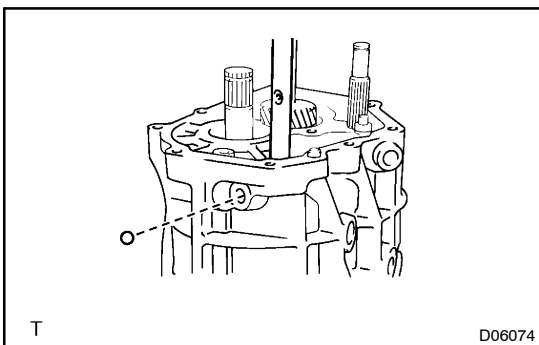
- (a) Using a torx wrench (T45), remove the 4 bolts and transmission output shaft rear bearing retainer.



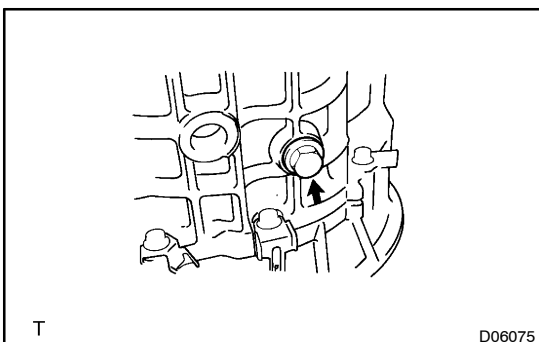
- (b) Using a torx wrench (T30), remove the head straight screw plug No. 1, shift detente ball compression spring No. 2 and shaft detente ball.



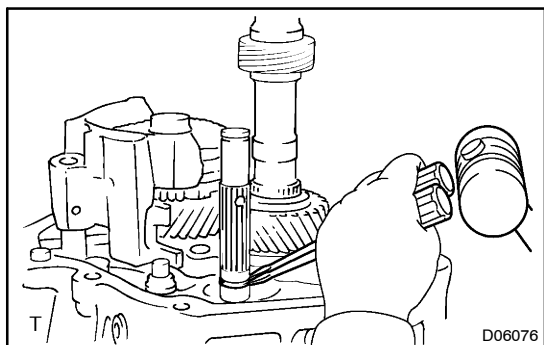
- (c) Remove the shift and select lever stopper bolt.



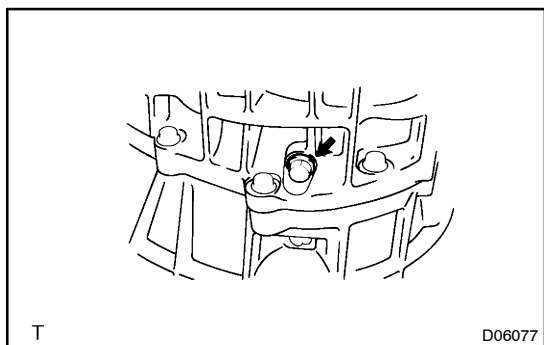
- (d) Pull out the shift fork shaft and remove the shaft detente ball.



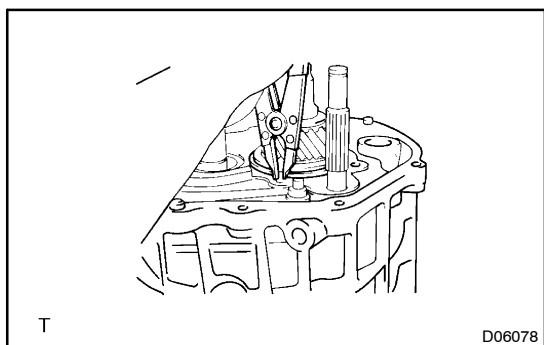
- (e) Remove the shift interlock plate bolt.



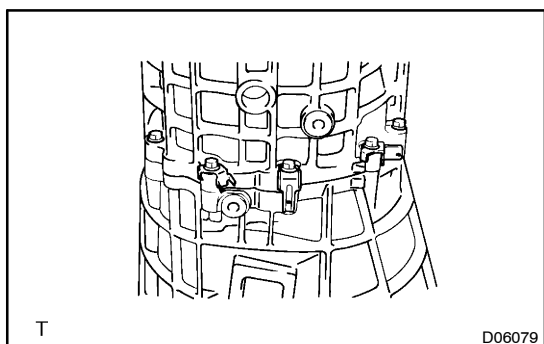
- (f) Using 2 screwdrivers, remove the snap ring.



- (g) Remove the reverse idler gear shaft bolt and reverse idler gear shaft gasket.



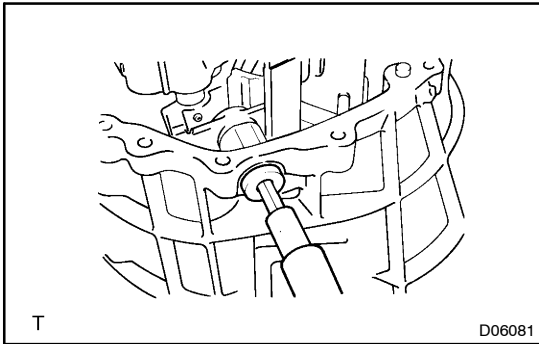
- (h) Using snap ring expander, remove the output shaft bearing snap ring.



- (i) Remove the 10 bolts.

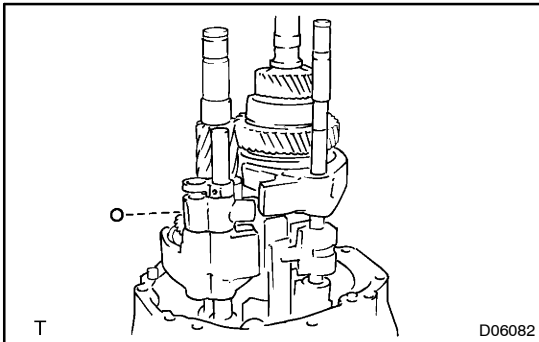


- (j) Using a plastic hammer, carefully tap the transmission case.
 (k) Remove the shift detente ball compression spring No. 2.



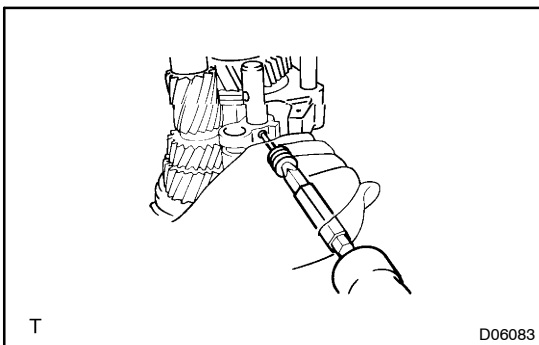
24. REMOVE 5TH SHIFT ARM

- (a) Using a hexagon wrench (8 mm, 0.31 in.), remove the shift arm pivot.
- (b) Remove the 5th shift arm.

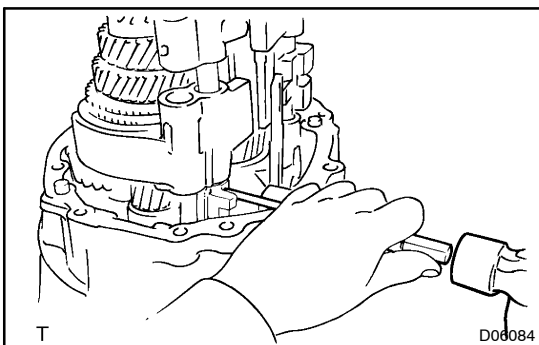


25. REMOVE GEAR SHIFT FORK SHAFT NO. 2

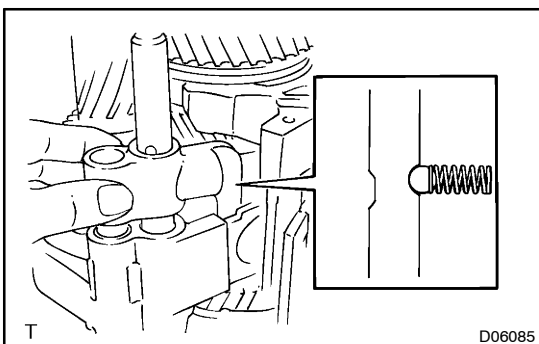
- (a) Remove the shaft detente ball from gear shift head No. 3.



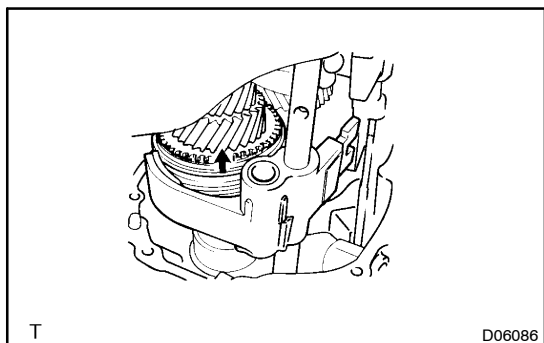
- (b) Using a pin punch and hammer, drive out the slotted spring pin.
- (c) Remove the shift interlock plate.



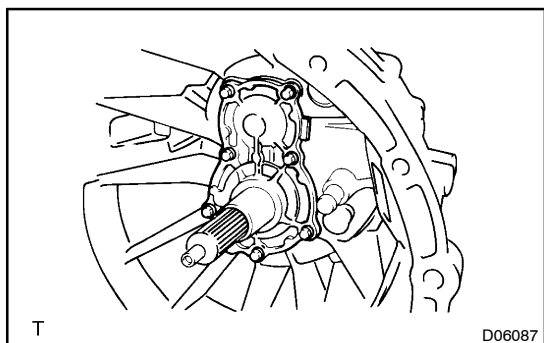
- (d) Hold up the gear shift fork shaft No. 2 lightly.
- (e) Using a pin punch and hammer, remove the slotted spring pin.



- (f) Remove the gear shift head No. 3 shaft detente ball, shift detente ball compression spring.

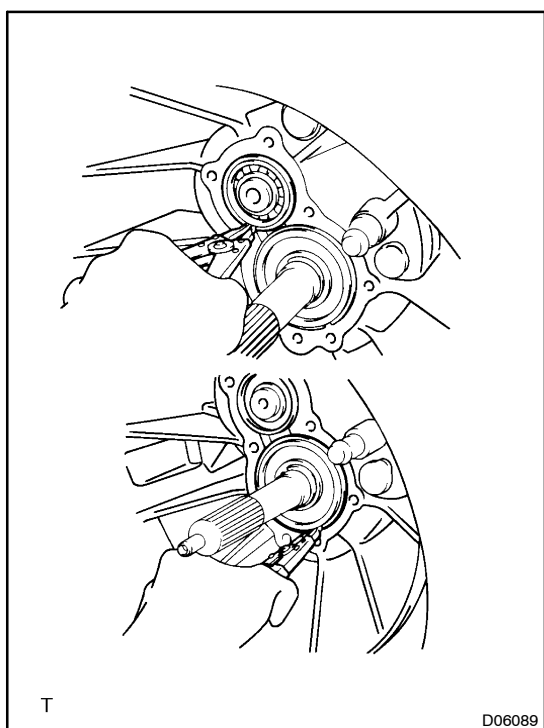


- (g) Pull out the gear shift fork shaft.
- (h) Remove the 3rd, 4th shift fork and reverse shift arm head.



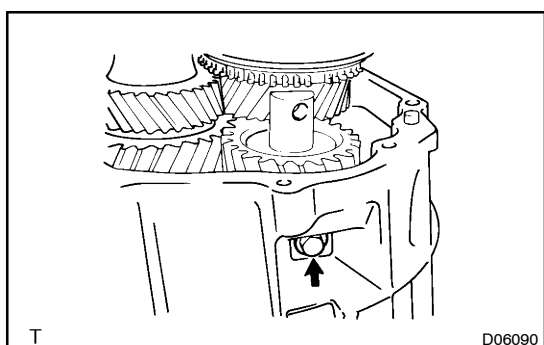
26. REMOVE FRONT BEARING RETAINER

Remove the 7 bolts and front bearing retainer.

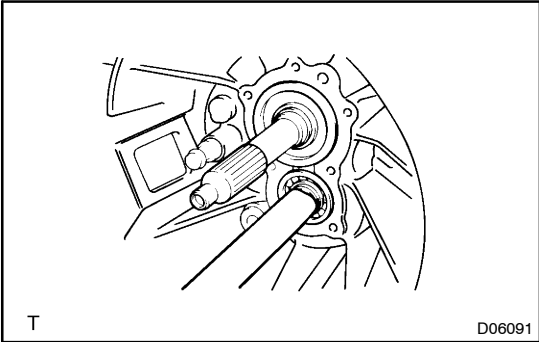


27. REMOVE COUNTER SHAFT

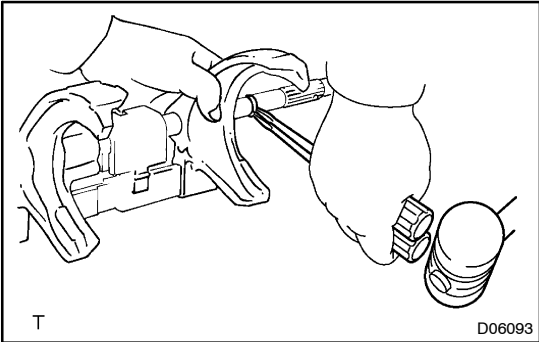
- (a) Using a snap ring expander, remove the 2 snap ring.



- (b) Remove the bolt and reverse idler gear shaft gasket.



- (c) Press out the input shaft, output shaft, counter shaft, reverse idler gear shaft and gear shift fork shaft No. 1 with hammer handle or equivalent.



28. REMOVE SHIFT INTERLOCK PIN NO. 1

- (a) Using a screwdriver remove the shaft snap ring.
- (b) Remove the shift fork No.1, shift fork No.3 and shift interlock pin No. 1 from gear shift fork shaft No. 1.