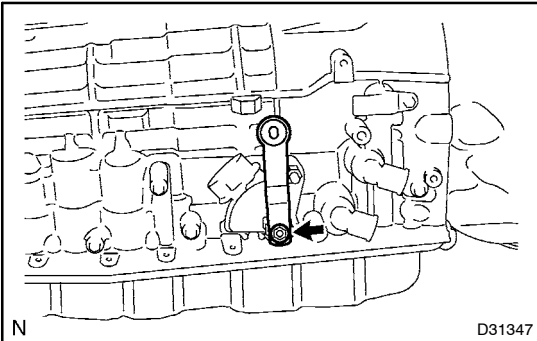
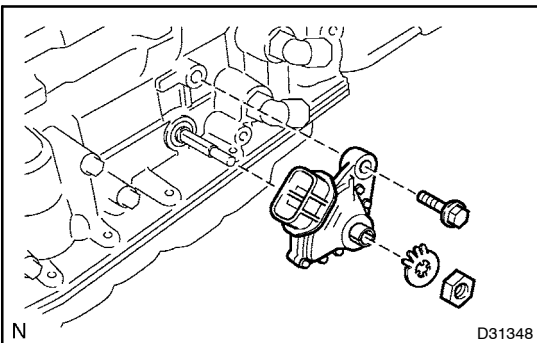


OVERHAUL



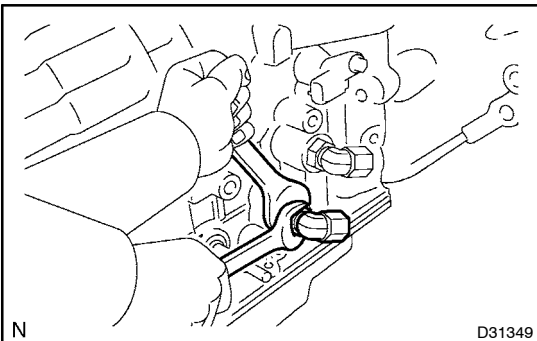
1. REMOVE TRANSMISSION CONTROL SHAFT LEVER RH

- (a) Remove the nut and the transmission control shaft lever RH.



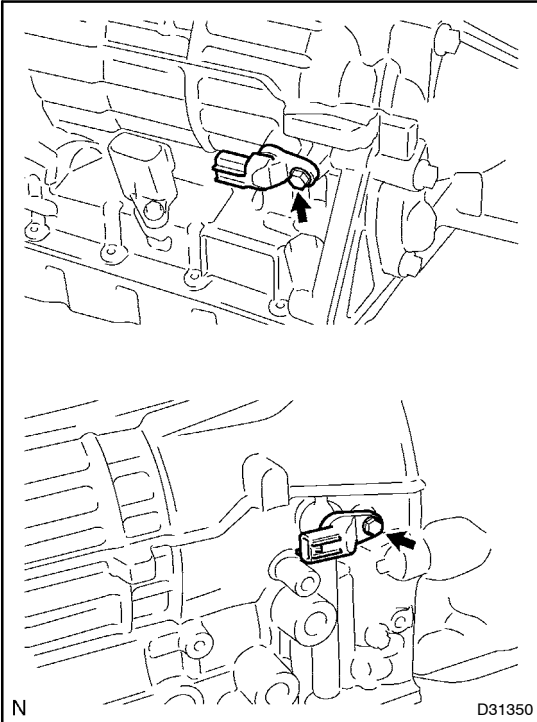
2. REMOVE PARK/NEUTRAL POSITION SWITCH ASSY

- (a) Using a screwdriver, unstake the lock washer.
- (b) Remove the lock washer, the nut and the bolt.
- (c) Remove the park/neutral position switch.

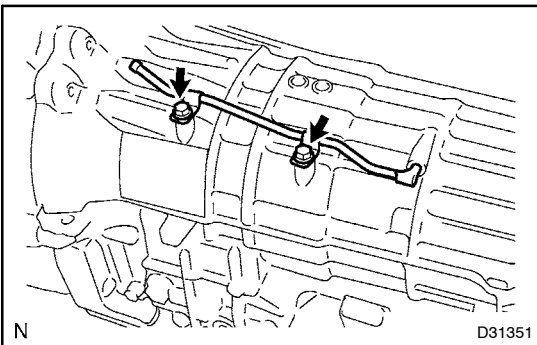


3. REMOVE OIL COOLER TUBE UNION

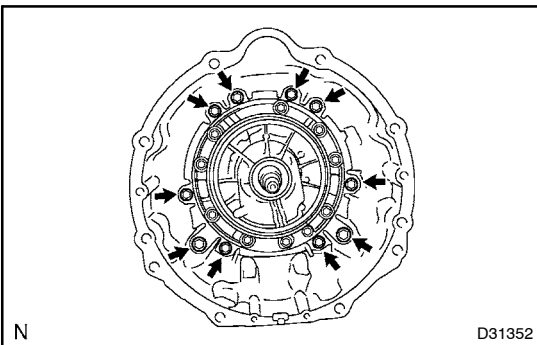
- (a) Remove the 2 oil cooler tube unions.
- (b) Remove the O-rings from the oil cooler tube unions.



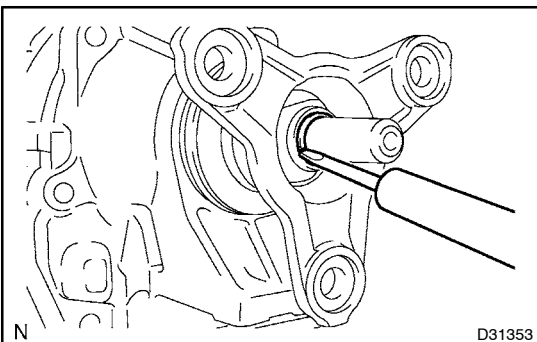
- 4. REMOVE TRANSMISSION REVOLUTION SENSOR**
- (a) Remove the 2 bolts and the 2 transmission revolution sensors.
 - (b) Remove the O-ring from each sensor.



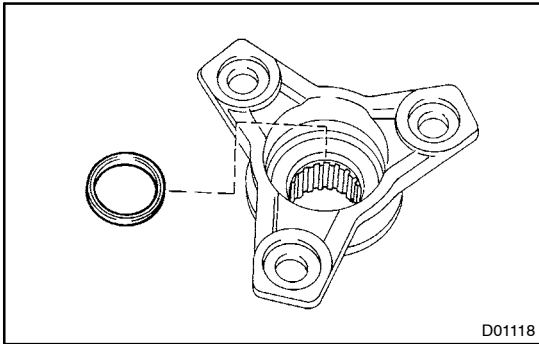
- 5. REMOVE AUTOMATIC TRANSMISSION BREATHE TUBE**
- (a) Remove the 2 bolts.
 - (b) Remove the breather tube.



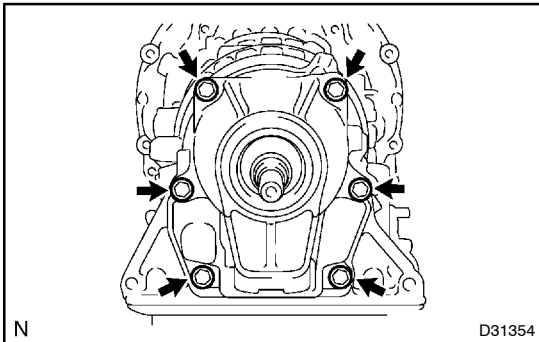
- 6. REMOVE AUTOMATIC TRANSMISSION FLANGE YOKE ASSY**
- (a) Remove the 10 bolts.
 - (b) Remove the transmission housing.



- 7. REMOVE AUTOMATIC TRANSMISSION FLANGE YOKE ASSY**
- (a) Using a hammer and chisel, loosen the staked part of the nut.
 - (b) Remove the nut and flange yoke Assy.

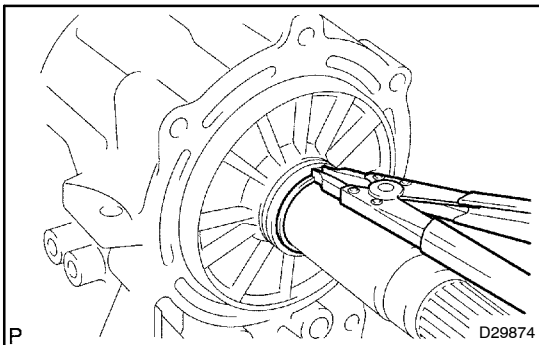


- (c) Remove the oil seal from the flange yoke assy.

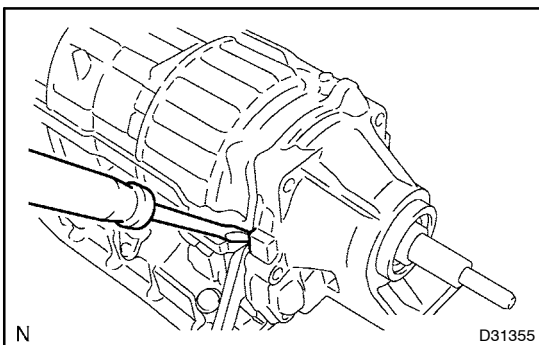


8. REMOVE EXTENSION (ATM) HOUSING SUB-ASSY

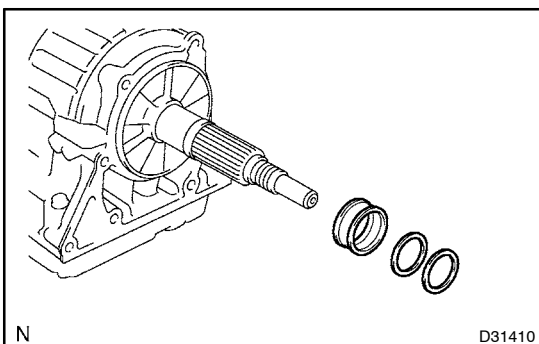
- (a) Remove the 6 bolts.



- (b) Using a snap ring expander, remove the snap ring.
 (c) Remove the thrust needle roller bearing and the 2 bearing race.



- (d) Use a screwdriver to remove the extension housing sub-assy.

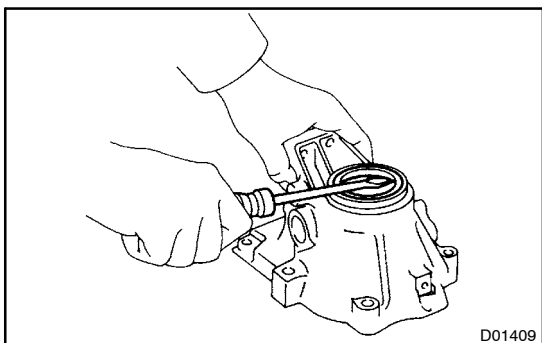


9. REMOVE RR COVER SLEEVE

- (a) Remove the 2 washers and RR cover sleeve.

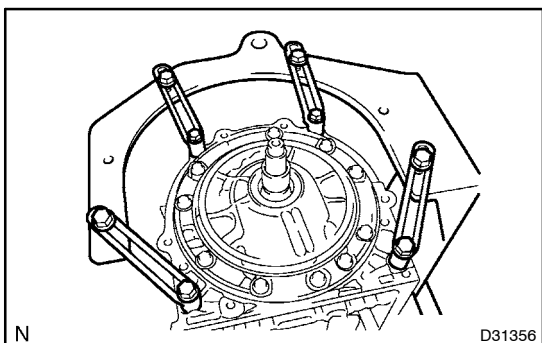
10. REMOVE TRANSMISSION CASE ADAPTOR RADIAL BALL BEARING

- (a) Remove the transmission case adaptor radial ball bearing from the extension housing sub-assy.



11. REMOVE AUTOMATIC TRANSMISSION EXTENSION HOUSING OIL SEAL

- (a) Using a screwdriver, remove the oil seal.



12. FIX AUTOMATIC TRANSMISSION CASE SUB-ASSY

- (a) Install the transmission case on the overhaul attachment.

13. REMOVE AUTOMATIC TRANSMISSION OIL PAN SUB-ASSY

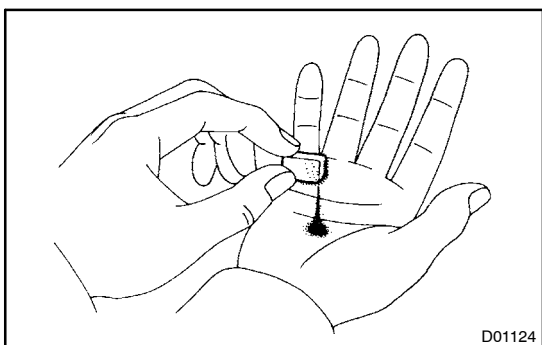
NOTICE:

Do not turn the transmission over as this will contaminate the valve body with foreign matter located at the bottom of the pan.

- (a) Remove the drain plug and the gasket.
 (b) Remove the 20 bolts, oil pan and gasket.

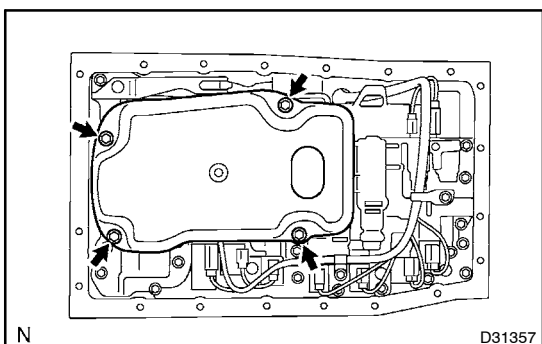
14. INSPECT AUTOMATIC TRANSMISSION OIL PAN SUB-ASSY

- (a) Remove the magnets, and use them to collect steel particles.
 (b) Carefully look at the foreign matter and particles in the pan and on the magnets to anticipate the type of wear you will find in the transmission.
- Steel (magnetic): bearing, gear and clutch plate wear
 - Brass (non-magnetic): bushing wear



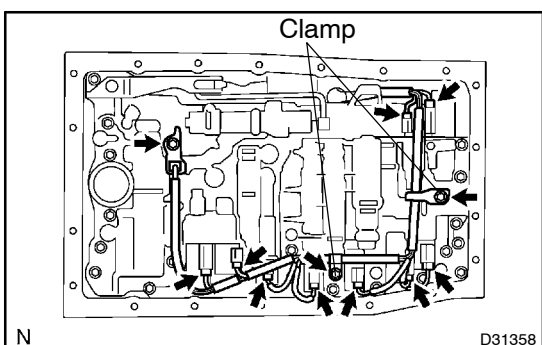
15. REMOVE VALVE BODY OIL STRAINER ASSY

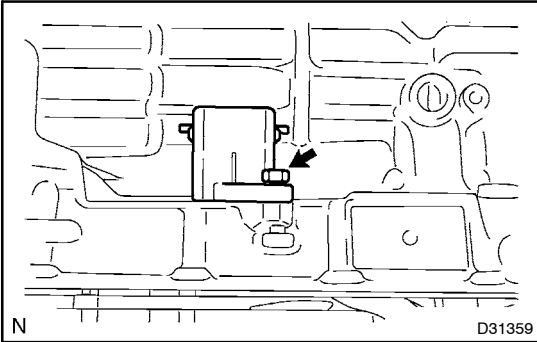
- (a) Turn over the transmission.
 (b) Remove the 4 bolts holding the valve body oil strainer assembly to the valve body.
 (c) Remove the O-ring from the valve body oil strainer assembly.



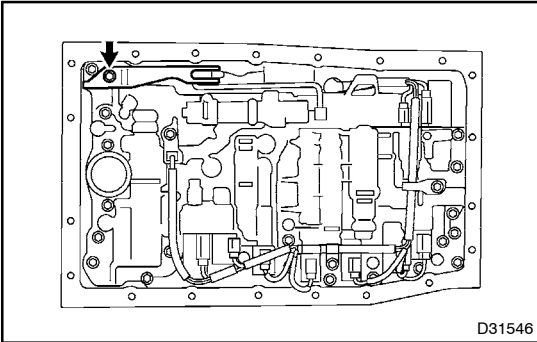
16. REMOVE TRANSMISSION WIRE

- (a) Remove the ATF temperature sensor.
 (b) Remove the 2 bolts and disconnect the 2 clamps.
 (c) Disconnect the 9 connectors from the shift solenoid valves.



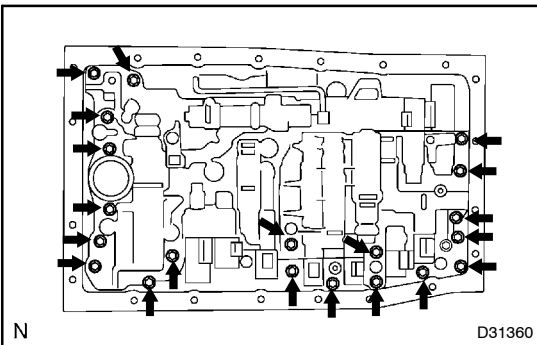


- (d) Remove the bolt from the case.
- (e) Pull the transmission wire out of the transmission case.
- (f) Remove the O-ring from the transmission wire.

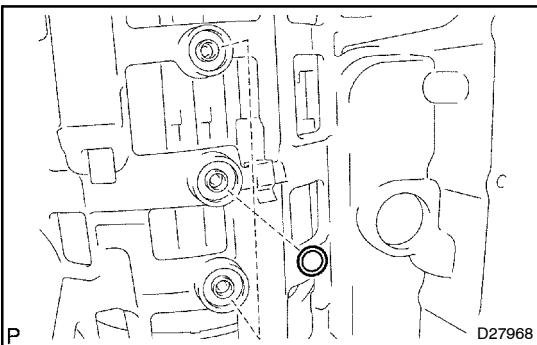


17. REMOVE TRANSMISSION VALVE BODY ASSY

- (a) Remove the bolt and detente spring.

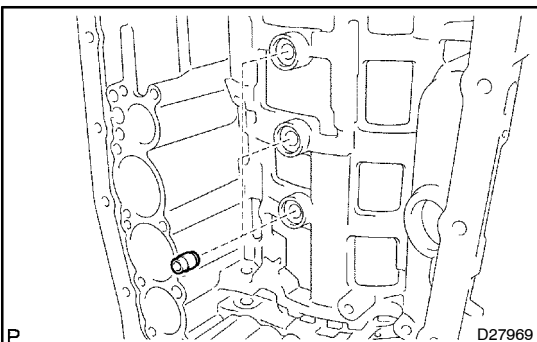


- (b) Remove the 20 bolts.
- (c) Remove the valve body assy.



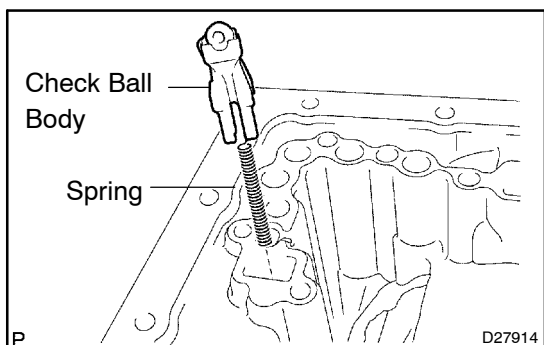
18. REMOVE TRANSAXLE CASE GASKET

- (a) Remove the 3 transaxle case gaskets.

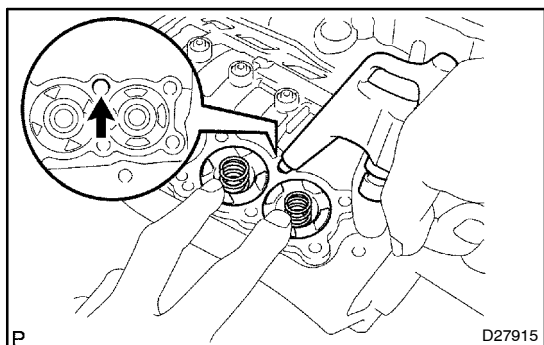


19. REMOVE BRAKE DRUM GASKET

- (a) Remove the 3 brake drum gaskets.

**20. REMOVE CHECK BALL BODY**

- (a) Remove the check ball body and the spring.

**21. REMOVE C-2 ACCUMULATOR PISTON**

- (a) While blowing compressed air into the oil hole, remove the C-2 accumulator piston and the spring.
 (b) Remove the 2 O-rings from the piston.

NOTICE:

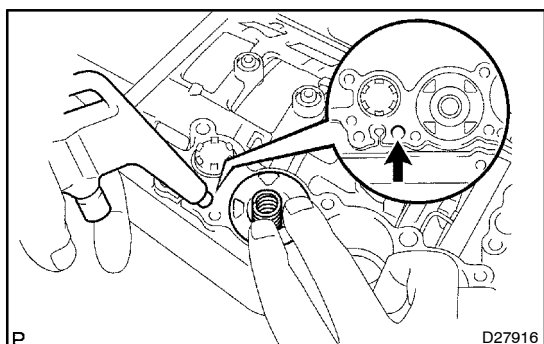
Take care as the C-3 and B-3 accumulator piston may eject.

22. REMOVE B-3 ACCUMULATOR PISTON

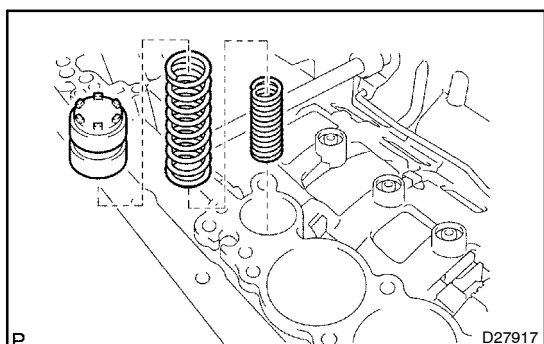
- (a) Applying compressed air to the oil hole, remove the B-3 accumulator piston and the spring.
 (b) Remove the 2 O-rings from the piston.

NOTICE:

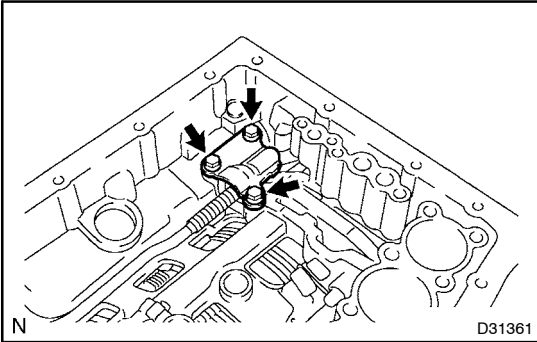
Take care as the C-3 accumulator piston may jump out.

**23. REMOVE C-3 ACCUMULATOR PISTON**

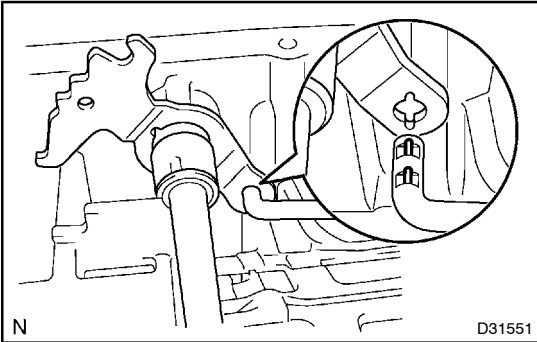
- (a) While blowing compressed air into the oil hole, remove the C-3 accumulator piston and the 2 springs.
 (b) Remove the 2 O-rings from the piston.

**24. REMOVE B-1 ACCUMULATOR VALVE**

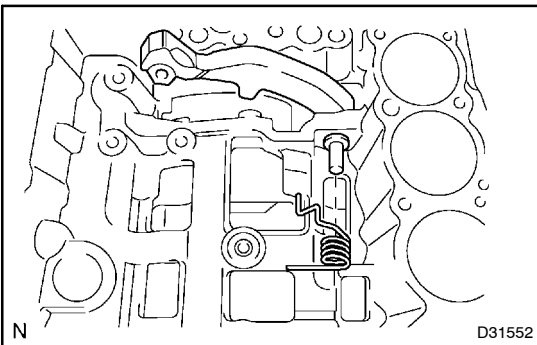
- (a) Remove the B-1 accumulator valve and the 2 springs.

**25. REMOVE PARKING LOCK PAWL BRACKET**

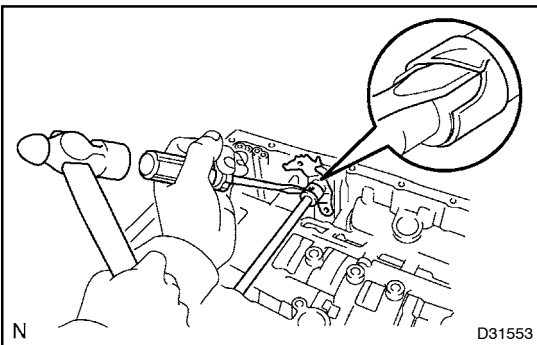
- (a) Remove the 3 bolts and the parking lock pawl bracket.

**26. REMOVE PARKING LOCK ROD SUB-ASSY**

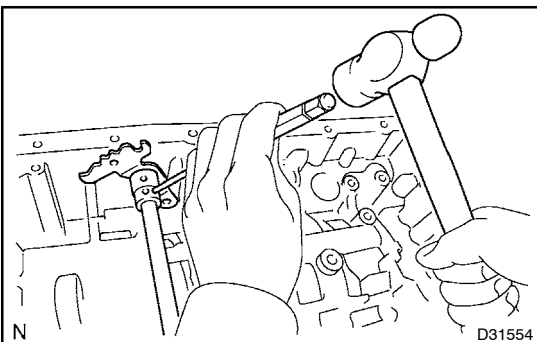
- (a) Disconnect the parking lock rod from the manual valve lever.

**27. REMOVE PARKING LOCK PAWL SHAFT**

- (a) Pull out the parking lock pawl shaft from the front side, then remove the lock pawl and the spring.
 (b) Remove the E-ring from the shaft.

**28. REMOVE MANUAL VALVE LEVER SUB-ASSY**

- (a) Using a hammer and a screwdriver, cut off the spacer and remove it from the shaft.

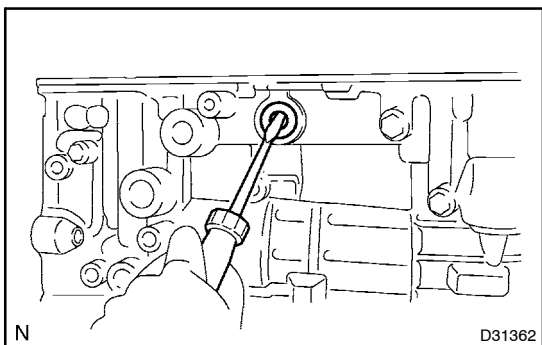


- (b) Using a pin punch and a hammer, drive out the spring pin.

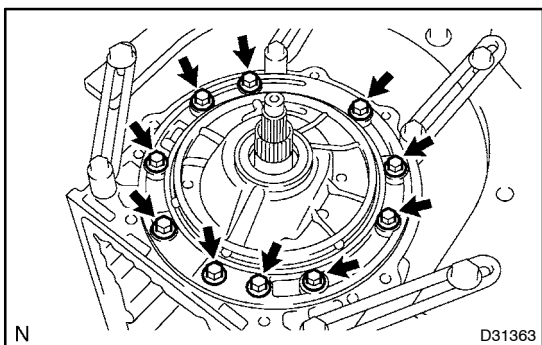
HINT:

Slowly drive out the spring pin so that it does not fall into the transmission case.

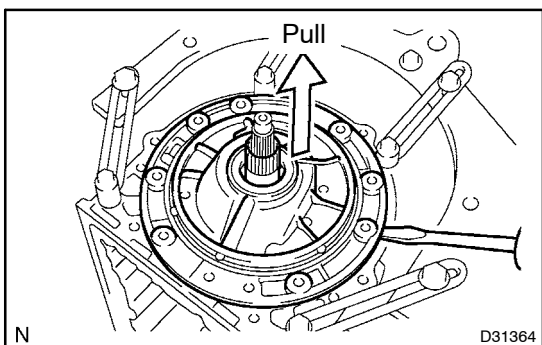
- (c) Pull the manual valve lever shaft out through the case, and remove the manual valve lever.

**29. REMOVE MANUAL VALVE LEVER SHAFT OIL SEAL**

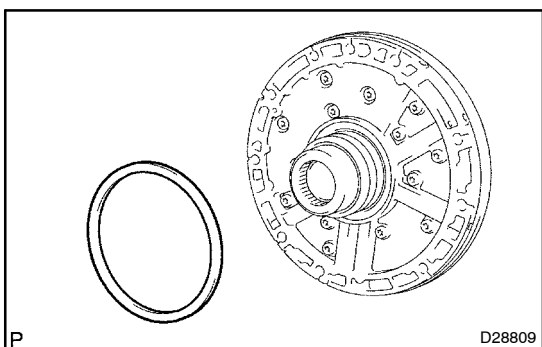
- (a) Using a screwdriver, remove the 2 oil seals.

**30. REMOVE OIL PUMP ASSY**

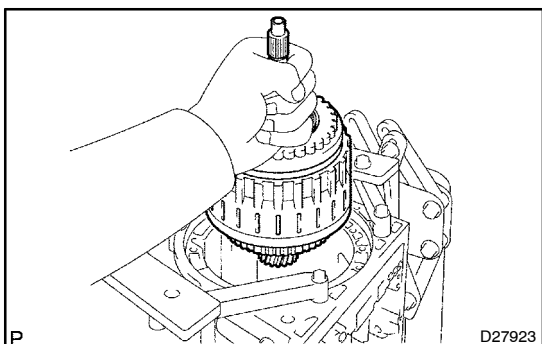
- (a) Remove the 10 bolts from the transmission case.



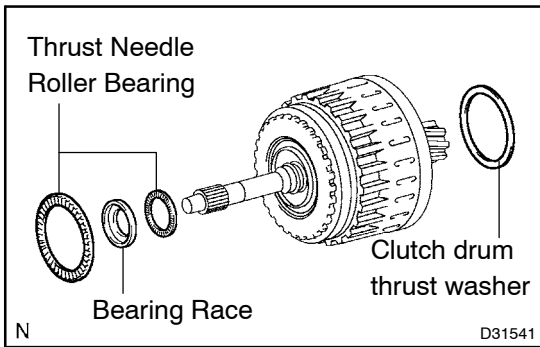
- (b) Using screwdriver, pull out the oil pump.



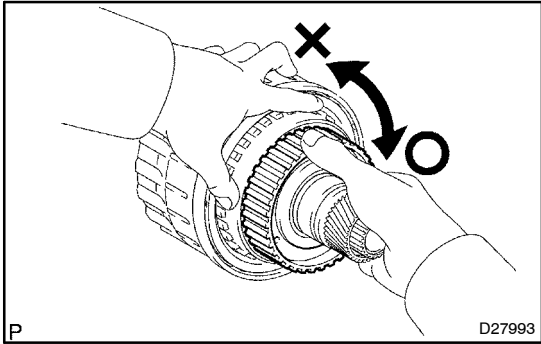
- (c) Remove the thrust bearing race No.1 from the oil pump.

**31. REMOVE CLUTCH DRUM & INPUT SHAFT ASSY**

- (a) Remove the clutch drum & input shaft assy from the transmission case.



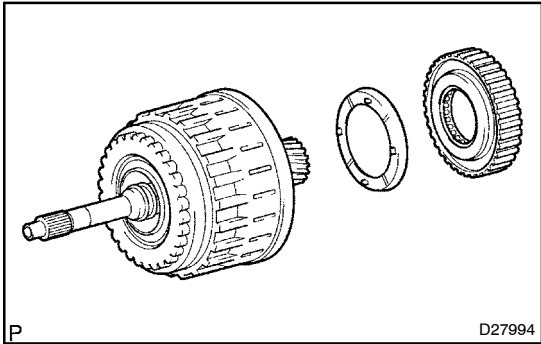
- (b) Remove the clutch drum thrust washer, 2 thrust needle roller bearings and bearing race.



32. INSPECT 1 WAY NO.2 CLUTCH ASSY

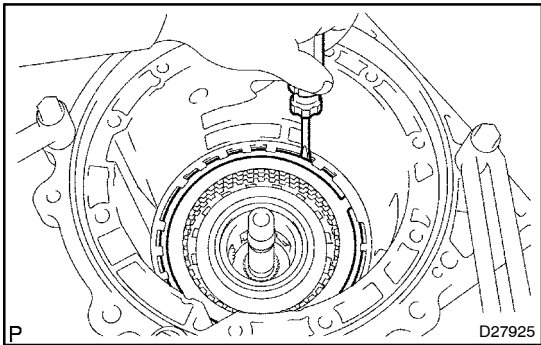
- (a) Hold the reverse clutch hub and turn the 1 way clutch assy No.2.
- (b) The 1 way clutch assy No.2 turns freely clockwise and locks counterclockwise.

If there is a problem with the 1 way clutch, replace the 1 way clutch.



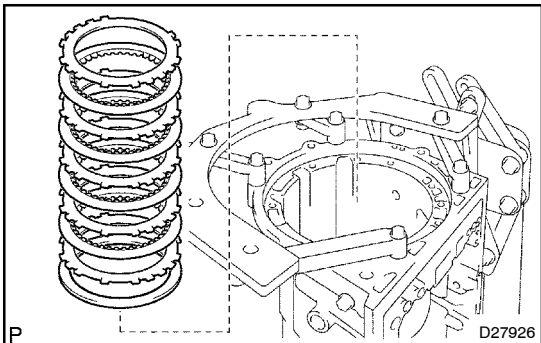
33. REMOVE 1 WAY NO.2 CLUTCH ASSY

- (a) Remove the 1 way clutch assy No.2 and clutch drum thrust washer from the clutch drum and input shaft assy.



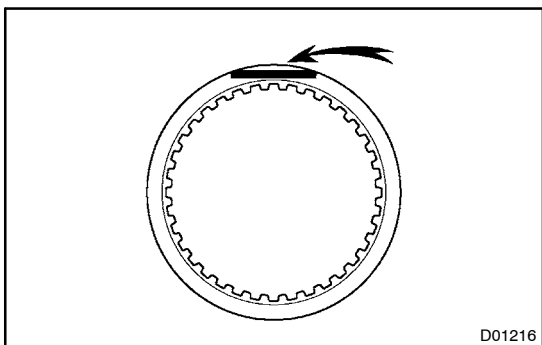
34. REMOVE BRAKE NO.3 SNAP RING

- (a) Using a screwdriver, remove the brake No.3 snap ring from the case.



35. REMOVE 2ND BRAKE DISC SET

- (a) Remove the flange, cushion plate, 4 discs and the 4 plates from the case.

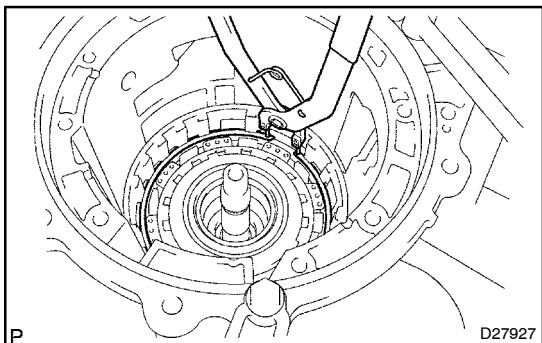
**36. INSPECT 2ND BRAKE DISC SET**

- (a) Check whether the sliding surface of the disc, the plate or the flange are worn or burnt.

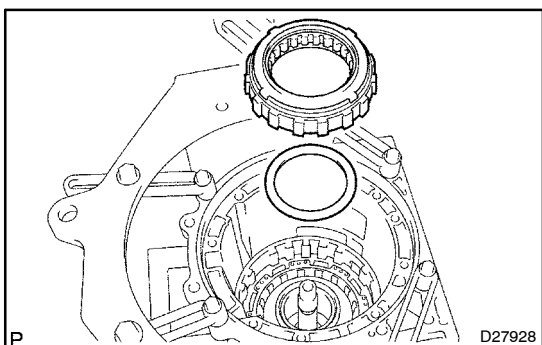
If necessary, replace them.

NOTICE:

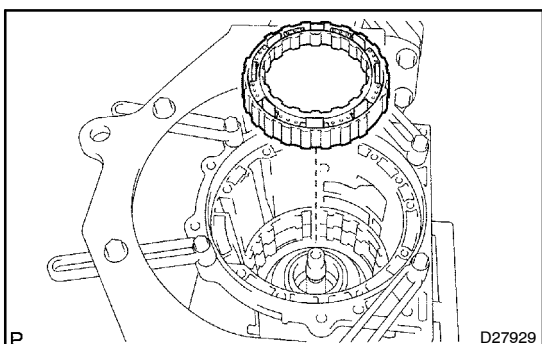
- If the lining of the disc is peeled off or discolored, or if any part of the printed numbers is damaged, replace all discs.
- Before assembling new discs, soak them in ATF for at least 15 minutes.

**37. REMOVE 2ND BRAKE PISTON HOLE SNAP RING**

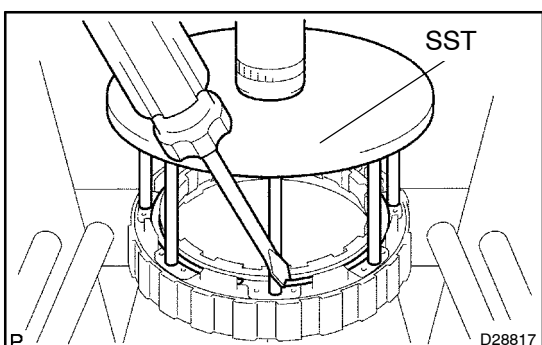
- (a) Using SST, remove the snap ring.
SST 09350-30020 (09350-07060)

**38. REMOVE 1 WAY CLUTCH ASSY**

- (a) Remove the 1 way clutch assy and the planetary carrier thrust washer No.1 from the case.

**39. REMOVE 2ND BRAKE CYLINDER**

- (a) Remove the 2nd brake cylinder from the case.

**40. REMOVE 2ND BRAKE PISTON**

- (a) Using SST and a press, remove the snap ring.
SST 09351-40010 (09351-04060, 09351-04070)
- (b) Remove the 2nd brake piston return spring.