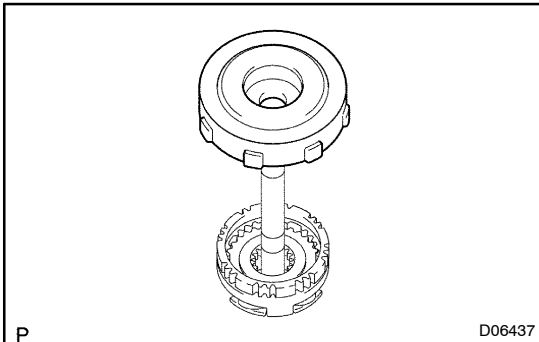


DISASSEMBLY

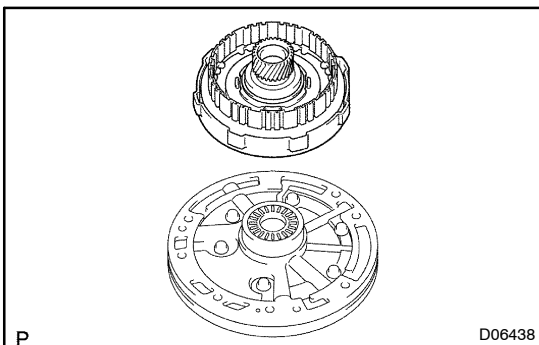
1. CHECK OPERATION OF ONE-WAY CLUTCH

Hold the O/D direct clutch drum and turn the input shaft. The input shaft turns freely clockwise and locks counterclockwise.



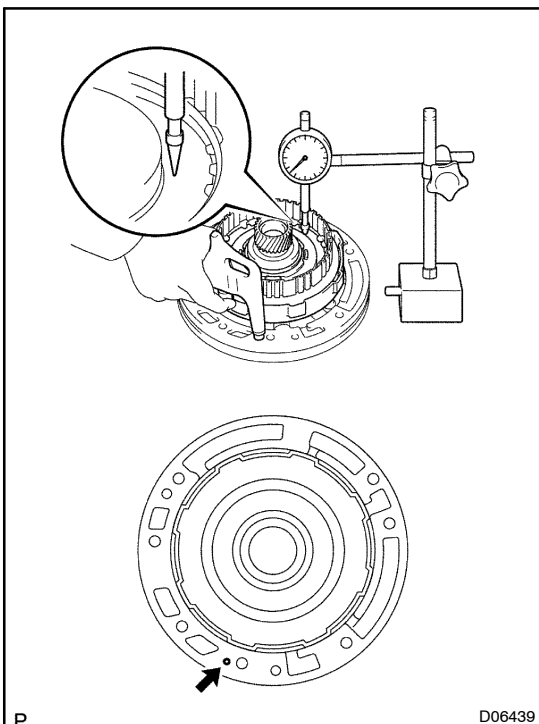
2. REMOVE O/D DIRECT CLUTCH ASSEMBLY FROM O/D PLANETARY GEAR

Remove the O/D direct clutch from the O/D planetary gear.



3. CHECK PISTON STROKE OF O/D DIRECT CLUTCH

(a) Place the O/D direct clutch assembly onto the oil pump.

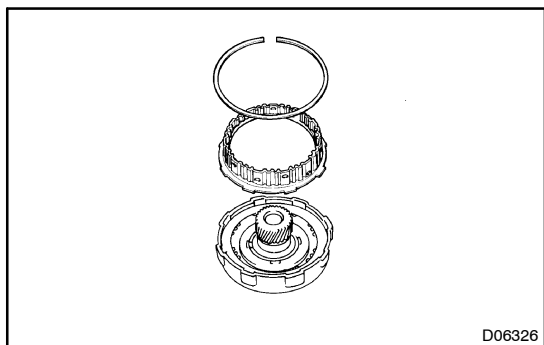


(b) Using a dial indicator, measure the O/D direct clutch piston stroke applying and releasing the compressed air (392 - 785 kPa, 4 - 8 kgf/cm², 57 - 114 psi), as shown.

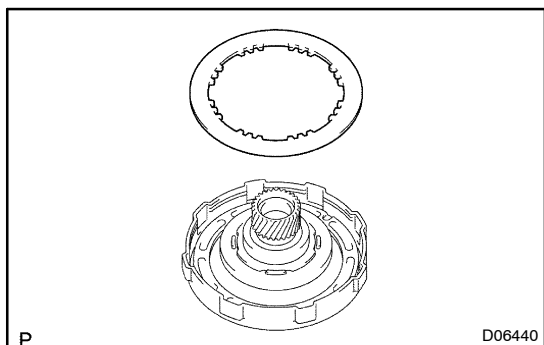
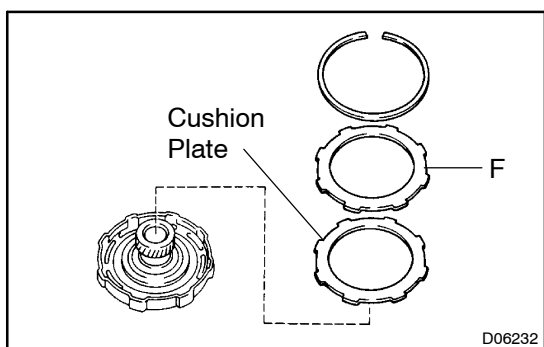
Piston stroke: 1.74 - 2.44 mm (0.0685 - 0.0961 in.)

If the values are non-standard, inspect the discs.

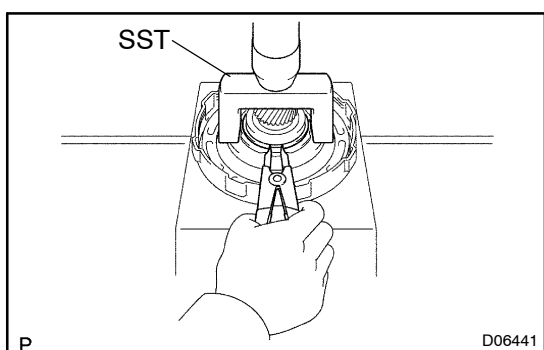
(c) Remove the O/D direct clutch assembly from the oil pump.

**4. REMOVE O/D BRAKE HUB**

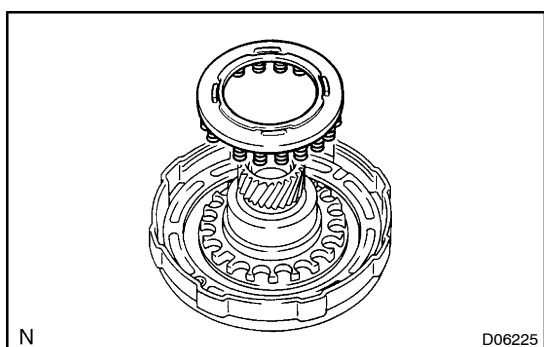
- (a) Using a screwdriver, remove the snap ring.
- (b) Remove the O/D brake hub.

**5. REMOVE DISC****6. REMOVE FLANGE AND CUSHION PLATE**

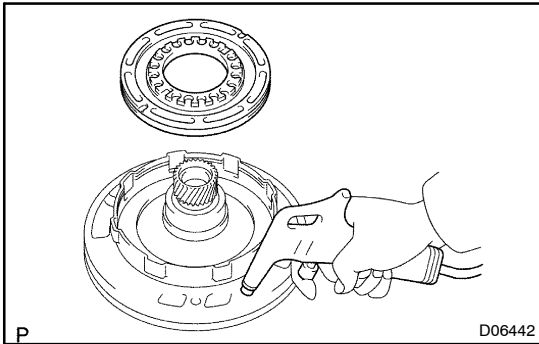
- (a) Using a screwdriver, remove the snap ring.
- (b) Remove the flange and cushion plate.

**7. REMOVE PISTON RETURN SPRING**

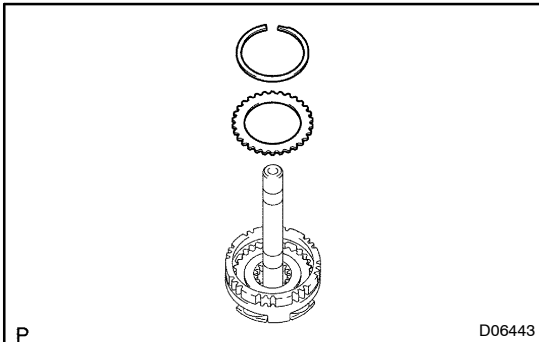
- (a) Place SST on the piston return spring and compress the piston return spring with a shop press.
SST 09350-20015 (09369-20040)
- (b) Using a snap ring expander, remove the snap ring.



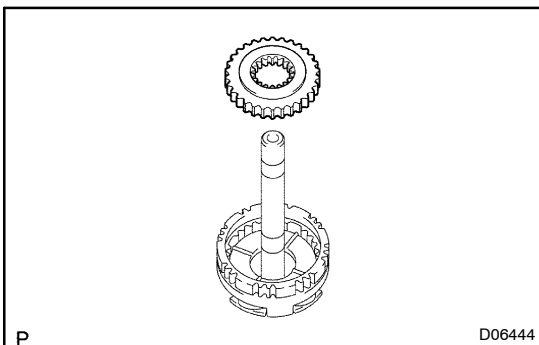
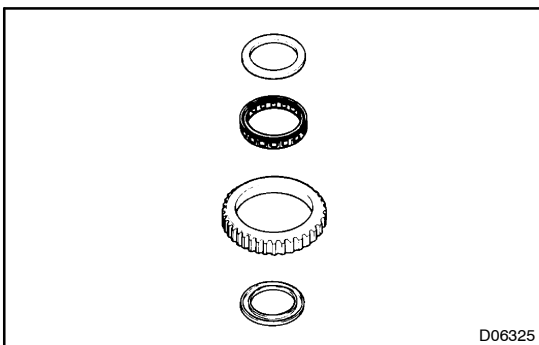
- (c) Remove the piston return spring.

**8. REMOVE O/D DIRECT CLUTCH PISTON**

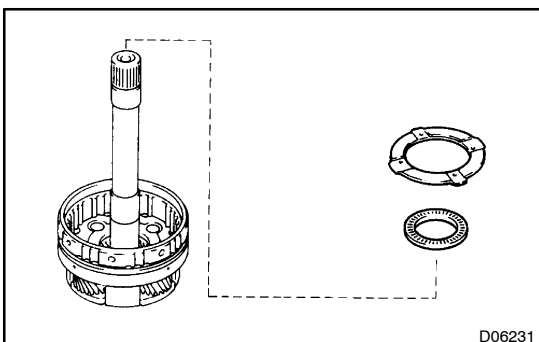
- (a) Place the O/D direct clutch onto the oil pump.
- (b) Hold the O/D direct clutch piston and apply compressed air to the oil pump to remove the O/D direct clutch piston.
- (c) Remove the 2 O-rings from the piston.

**9. REMOVE THRUST WASHER**

- (a) Using a screwdriver, remove the snap ring.
- (b) Remove the thrust washer.

**10. REMOVE ONE-WAY CLUTCH ASSEMBLY****11. DISASSEMBLE ONE-WAY CLUTCH**

- (a) Remove the 2 retainers from the both sides.
- (b) Remove the one-way clutch from the outer race.

**12. REMOVE THRUST WASHER****13. REMOVE ASSEMBLED BEARING AND RACE**