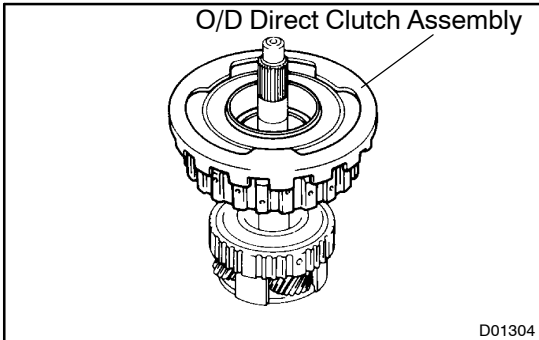


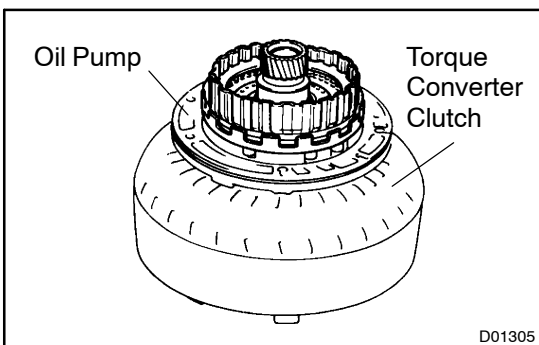
DISASSEMBLY

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.

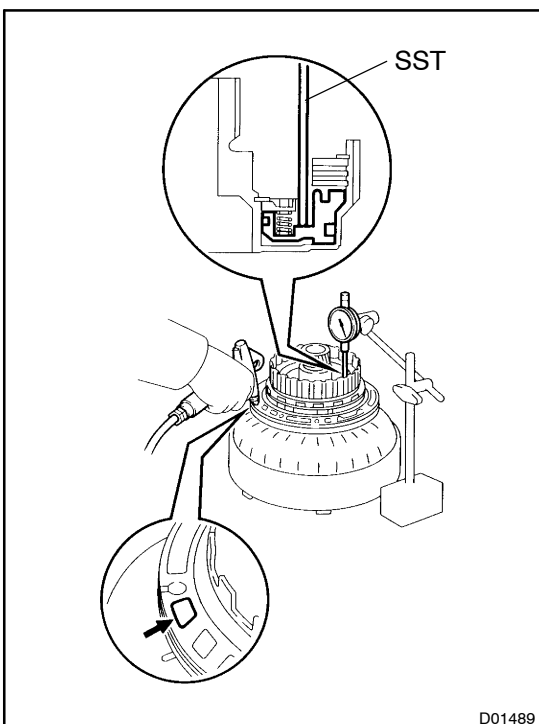


2. REMOVE O/D DIRECT CLUTCH ASSEMBLY FROM O/D PLANETARY GEAR



3. CHECK PISTON STROKE OF O/D DIRECT CLUTCH

- (a) Place the oil pump onto the torque converter clutch, and then place the O/D direct clutch assembly onto the oil pump.

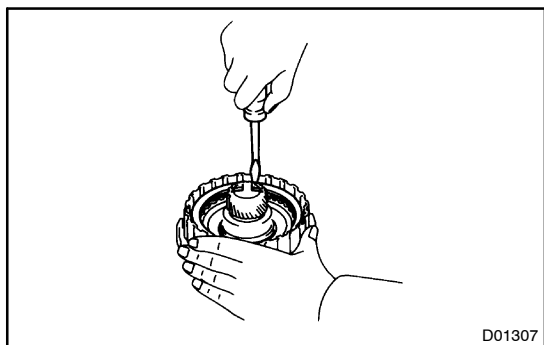


- (b) Using SST and a dial indicator, measure the O/D direct clutch piston stroke while applying and releasing compressed air (392 kPa, 4 kgf/cm², 57 psi).

SST 09350-30020 (09350-06120)

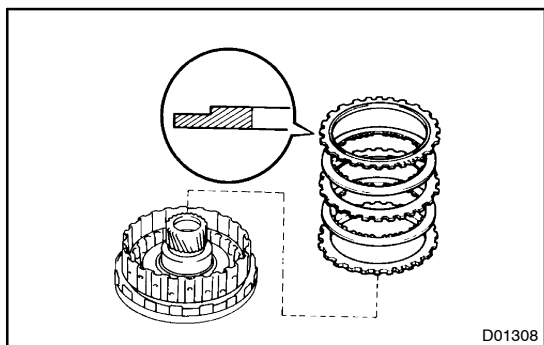
Piston stroke: 0.85 – 1.10 mm (0.033 – 0.043 in.)

If the stroke is non-standard, inspect the discs.

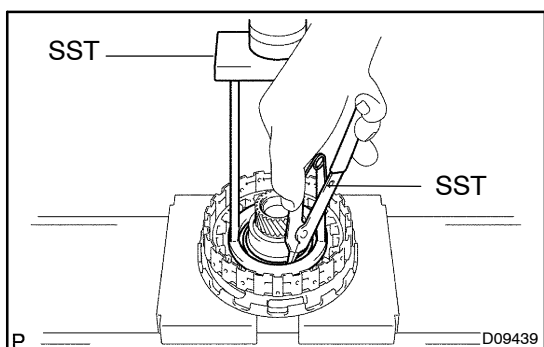


4. REMOVE FLANGE, PLATE AND DISC

- (a) Using a screwdriver, remove the snap ring from the O/D direct clutch drum.



- (b) Remove the flange, 2 plates and 2 discs.



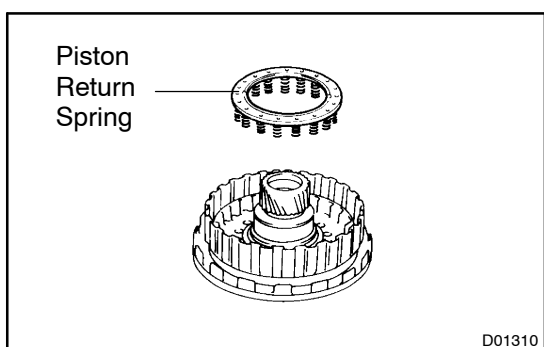
5. REMOVE PISTON RETURN SPRING

- (a) Place SST on the spring retainer and compress the return spring with a press.

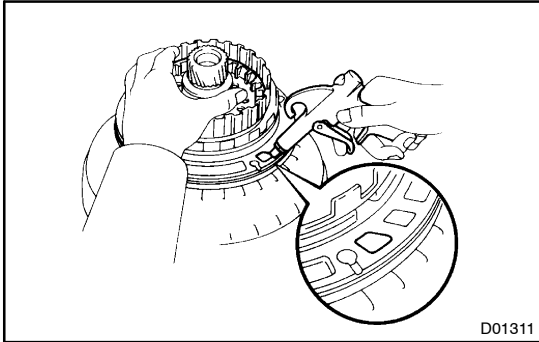
SST 09387-00020

- (b) Using SST, remove the snap ring.

SST 09350-30020 (09350-07070)



- (c) Remove the piston return spring.



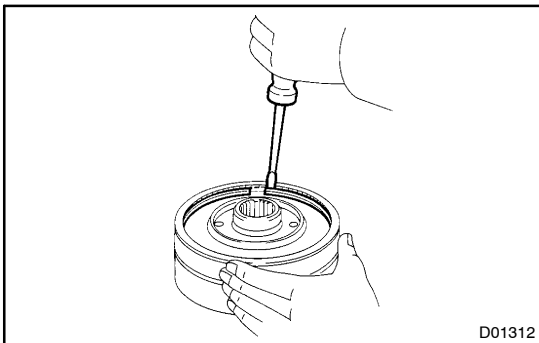
6. REMOVE O/D DIRECT CLUTCH PISTON

- (a) Place the oil pump onto the torque converter clutch and then place the O/D direct clutch onto the oil pump.
- (b) Hold the O/D direct clutch piston with hand, and apply compressed air (392 kPa, 4 kgf/cm², 5 psi) to the oil pump to remove the O/D direct clutch piston.
- (c) Remove the O/D direct clutch piston.

HINT:

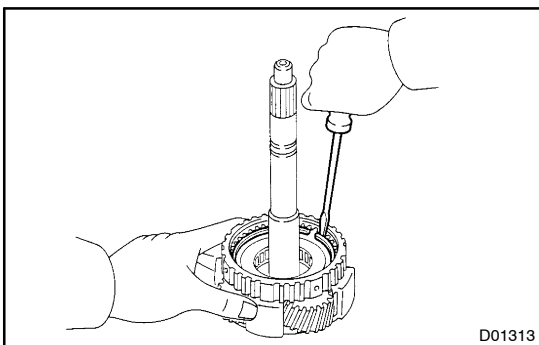
If the piston is at an angle and cannot be removed, press down on the side jutting out and again apply compressed air, or else wind vinyl tape around the piston end and remove it with needle nose pliers.

- (d) Remove the 2 O-rings from the piston.



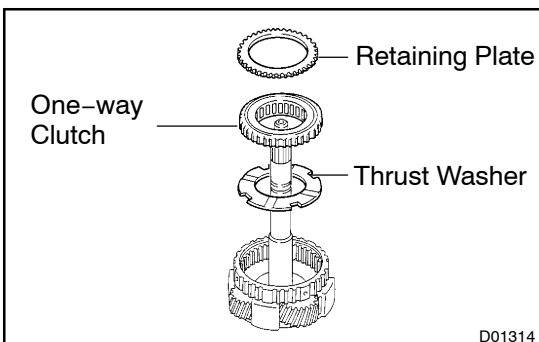
7. REMOVE RING GEAR FLANGE

- (a) Using a screwdriver, remove the snap ring.
- (b) Remove the ring gear flange.

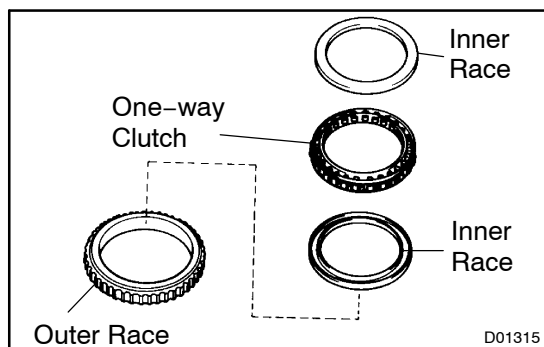


8. REMOVE RETAINING PLATE

- (a) Using a screwdriver, remove the snap ring.



- (b) Remove the retaining plate, one-way clutch and thrust washer.

**9. REMOVE ONE-WAY CLUTCH FROM OUTER RACE**

Remove the 2 inner races and one-way clutch to the outer race.