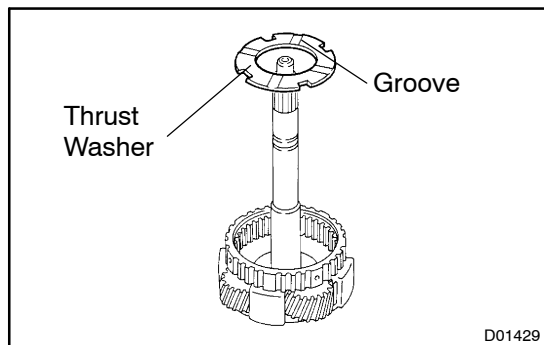


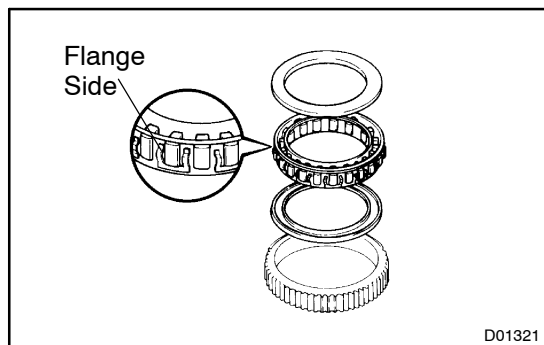
## REASSEMBLY

### 1. INSTALL O/D ONE-WAY CLUTCH

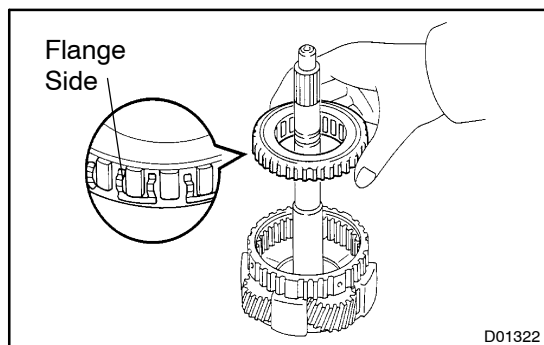
- (a) Install the thrust washer to the O/D planetary gear, the grooved side facing upward.



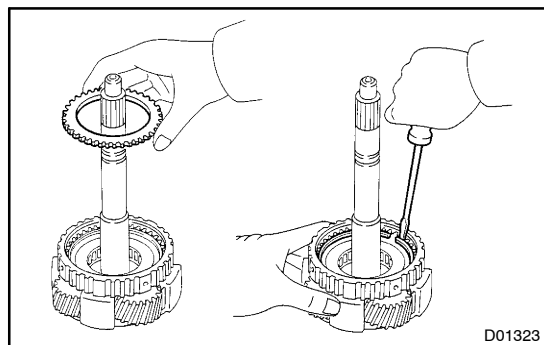
- (b) Install the one-way clutch and 2 inner races into the outer race with the flange side of the one-way clutch facing upward.



- (c) Install the O/D one-way clutch with the outer race to the O/D planetary gear.

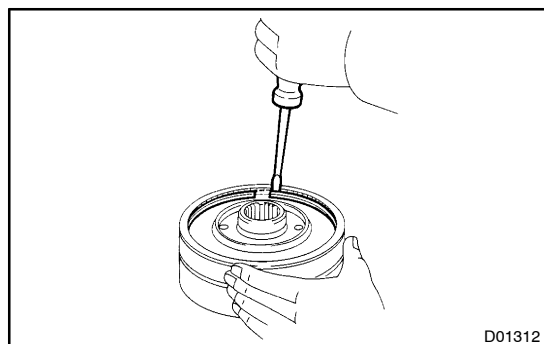


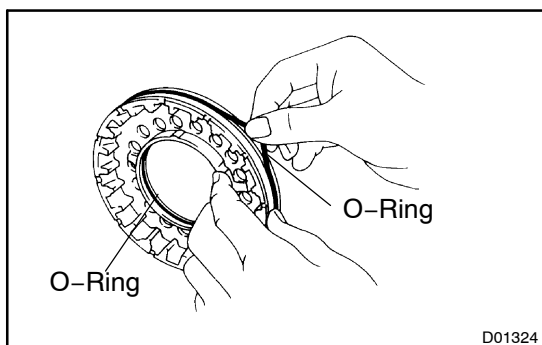
- (d) Install the retaining plate.  
(e) Using a screwdriver, install the snap ring.



### 2. INSTALL RING GEAR FLANGE TO O/D PLANETARY RING REAR

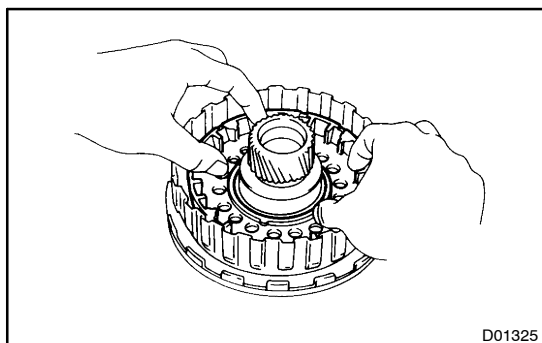
- (a) Install the ring gear flange.  
(b) Using a screwdriver, install the snap ring.



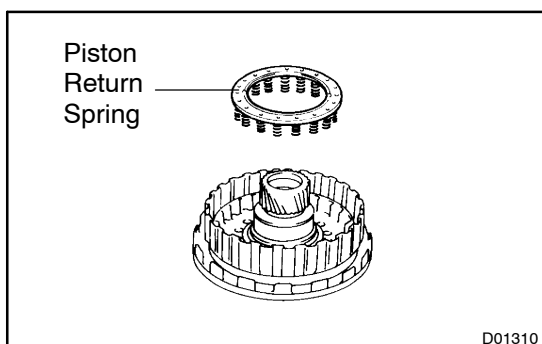


### 3. INSTALL O/D DIRECT CLUTCH PISTON

- (a) Coat 2 new O-rings with ATF and install them on the O/D direct clutch piston.

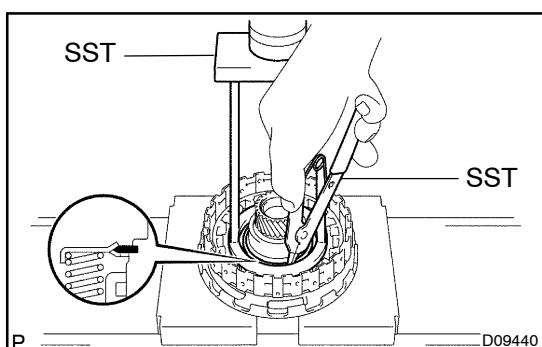


- (b) Being careful not to damage the O-rings, press the direct clutch piston into the clutch drum with both hands.



### 4. INSTALL PISTON RETURN SPRING

- (a) Install the piston return spring to the piston.



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

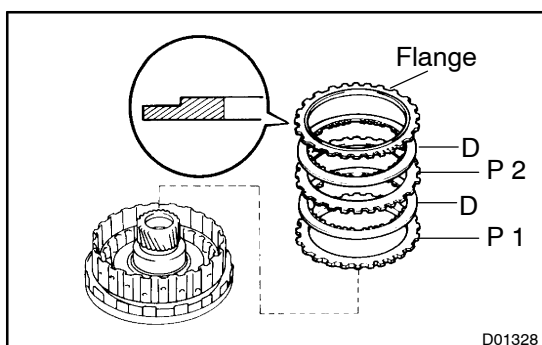
SST 09387-00020

- (c) Install the snap ring with SST.

SST 09350-30020 (09350-07070)

#### NOTICE:

**Be sure the end gap of the snap ring is not aligned with the spring retainer claw.**



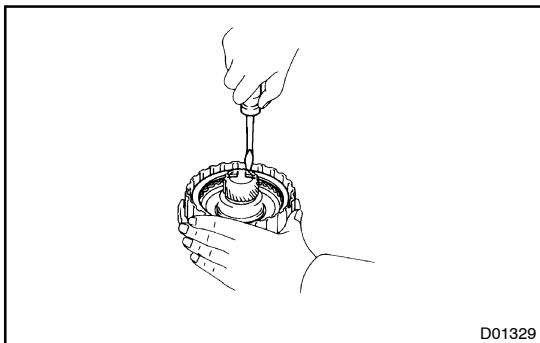
### 5. INSTALL PLATES, DISCS AND FLANGE

- (a) Install the 2 plates and 2 discs.

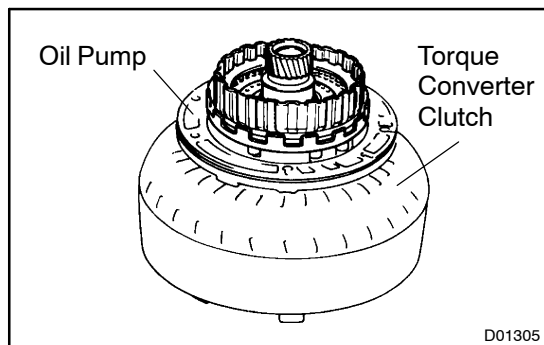
**Install in order: P = Plate, D = Disc**

**P 1 - D - P 2 - D**

- (b) Install the flange, with the flat end facing downward.

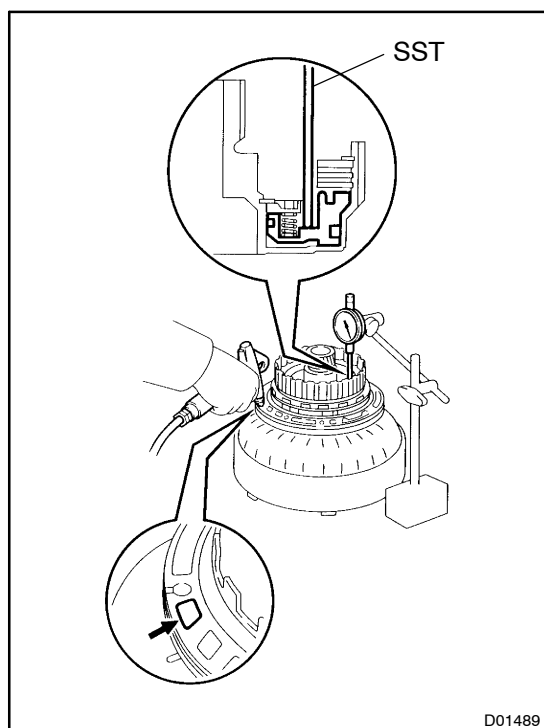


- (c) Using a screwdriver, install the snap ring.



## 6. CHECK PISTON STROKE OF O/D DIRECT CLUTCH

- (a) Place the oil pump onto the torque converter clutch, then place the O/D direct clutch assembly into 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/cm<sup>2</sup>, 57 psi).

SST 09350-30020 (09350-06120)

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

If the piston stroke is less than the limit of piston stroke, parts may have been assembled incorrectly, so check and reassemble again.

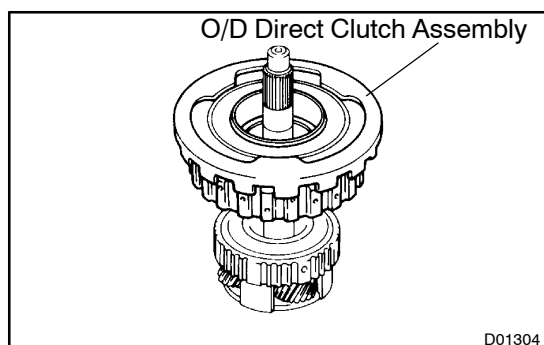
If the stroke is non-standard, select another flange.

**HINT:**

There are 8 flanges in different thickness.

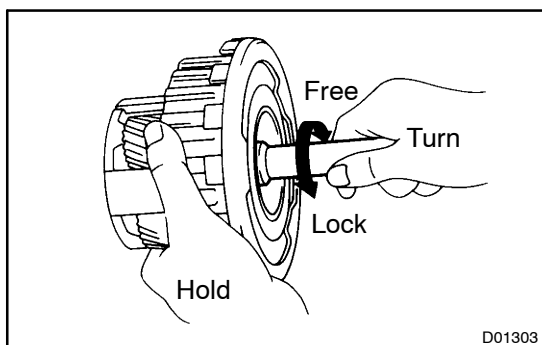
**Flange Thickness: mm (in.)**

No.	Thickness	No.	Thickness
23	3.8 (0.151)	18	3.4 (0.134)
22	3.7 (0.146)	19	3.3 (0.130)
16	3.6 (0.142)	20	3.2 (0.126)
17	3.5 (0.138)	21	3.1 (0.122)



## 7. INSTALL O/D DIRECT CLUTCH ASSEMBLY

- (a) Align the flukes of the discs in the direct clutch.
- (b) Install the direct clutch assembly onto the O/D planetary gear.

**8. CHECK OPERATION OF ONE-WAY CLUTCH**

Hold the O/D direct clutch drum and turn the input shaft.

Check that the input shaft turns freely clockwise and locks counterclockwise.