

INSPECTION

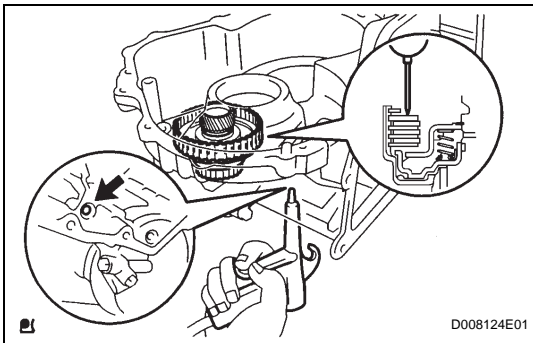
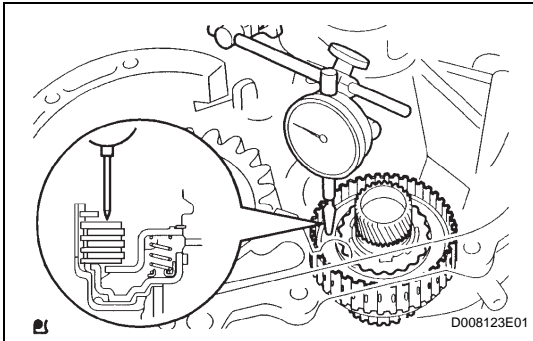
1. INSPECT UNDERDRIVE PACK CLEARANCE

- (a) Install the underdrive clutch to the transaxle case.

NOTICE:

Be careful not to damage the oil seal rings.

- (b) Install a dial indicator as shown in the illustration.

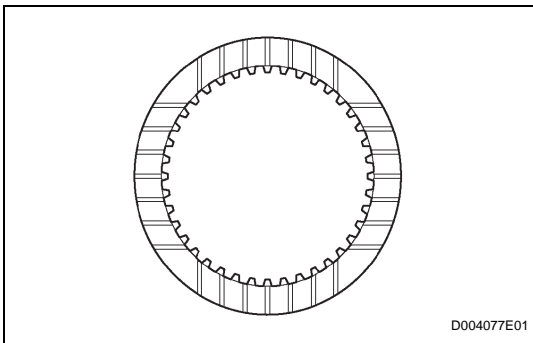


- (c) Measure the underdrive clutch pack clearance while applying and releasing compressed air (392 kPa, 4.0 kgf/cm², 57 psi).

Standard pack clearance:

1.51 to 1.90 mm (0.0594 to 0.0748 in.)

If the pack clearance is not as specified, inspect the discs, plates and flange.

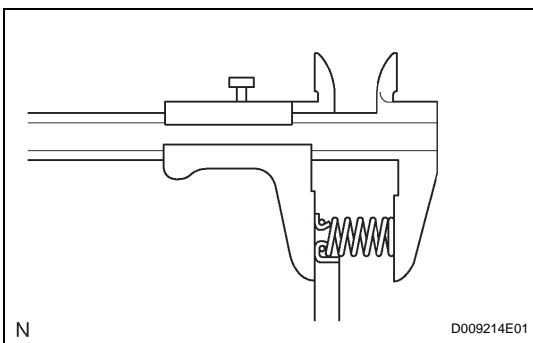


2. INSPECT NO. 1 UNDERDRIVE CLUTCH DISC

- (a) Check to see if the sliding surface of the disc, plate and flange are worn or burnt. If necessary, replace them.

HINT:

- If the lining of the disc is peeling off or discolored, or even if a part of the printed mark is defaced, replace all discs.
- Before assembling new discs, soak them in ATF for at least 15 minutes.

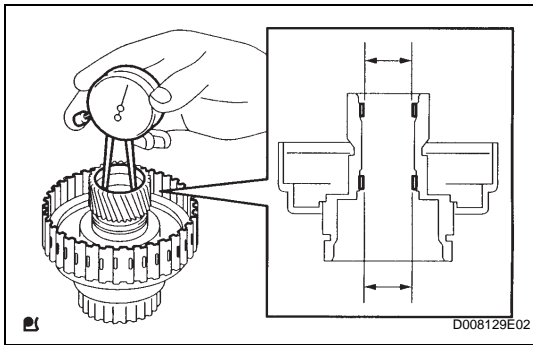


3. INSPECT UNDERDRIVE CLUTCH RETURN SPRING SUB-ASSEMBLY

- (a) Using a vernier caliper, measure the free length of the spring together with the spring seat.

Standard free length:

17.14 mm (0.6748 in.)



4. INSPECT UNDERDRIVE CLUTCH DRUM SUB-ASSEMBLY

- (a) Using a caliper gauge, measure the inside diameter of the underdrive clutch drum bush.

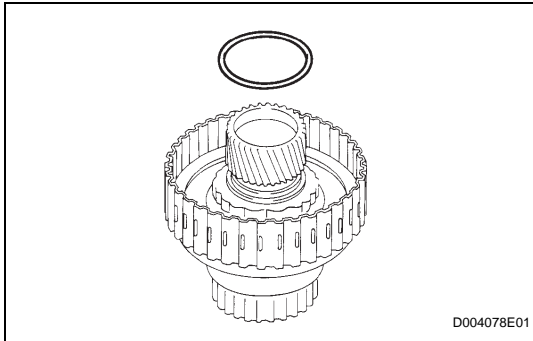
Standard drum bush:

32.56 to 32.58 mm (1.2818 to 1.2826 in.)

Maximum drum bush:

32.63 mm (1.2846 in.)

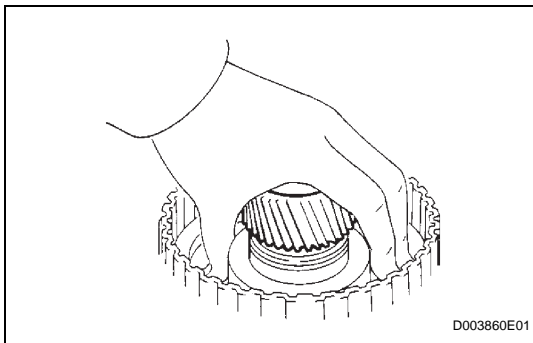
If the inside diameter is greater than the maximum, replace the underdrive clutch drum sub-assembly.



REASSEMBLY

1. INSTALL UNDERDRIVE CLUTCH DRUM O-RING

- (a) Coat a new O-ring with ATF and install it to the underdrive clutch drum.

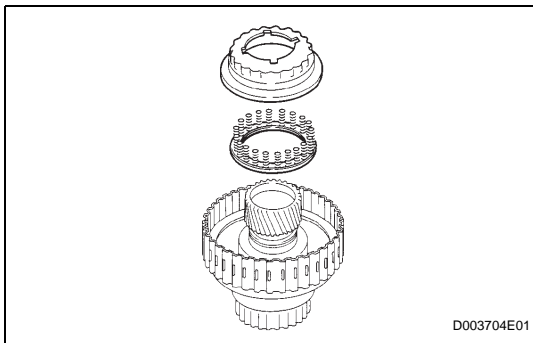


2. INSTALL UNDERDRIVE CLUTCH PISTON SET

- (a) Coat the underdrive clutch piston with ATF, and install it to the underdrive clutch piston drum.

NOTICE:

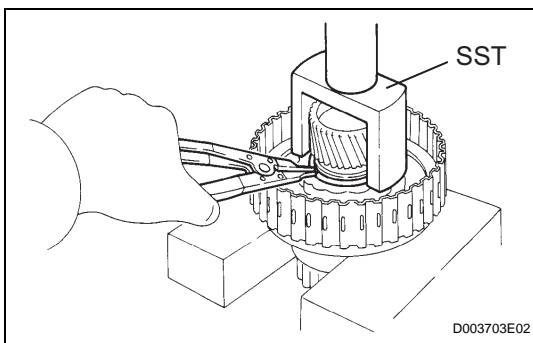
Be careful not to damage the O-ring.



- (b) Install the piston return spring and clutch balancer to the underdrive clutch drum.

NOTICE:

Be careful not to damage the lip seal of the clutch balancer.



- (c) Place SST on the clutch balancer and compress the piston return spring with a press.

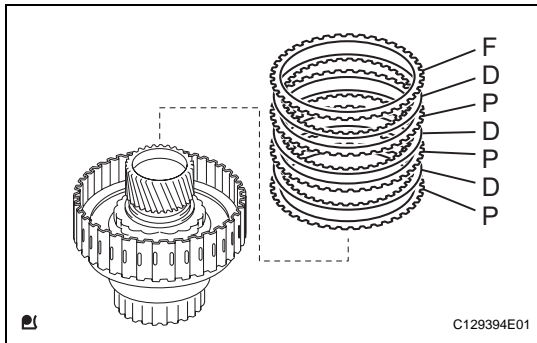
SST 09350-32014 (09351-32070)

- (d) Using a snap ring expander, install the snap ring to underdrive clutch drum.

NOTICE:

- **Be sure the end gap of the snap ring is not aligned with the clutch balancer's claw.**
- **Stop the press when the spring sheet is lowered to the place 1 to 2 mm (0.039 to 0.078 in.) from the sap ring groove.**

AX



3. INSTALL NO. 1 UNDERDRIVE CLUTCH DISC

(a) Install the 3 plates, 3 discs and flange.

Install in order:

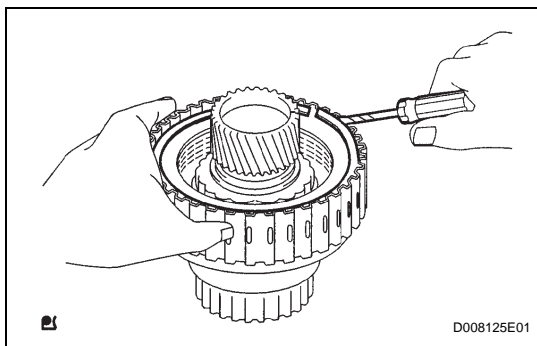
P - D - P - D - P - D - F

HINT:

P = Plate

D = Disc

F = Flange



(b) Using a screwdriver, install the snap ring.

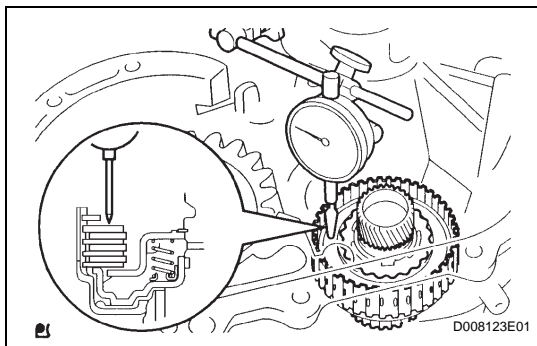
(c) Check that the end gap of the snap ring is not aligned with one of the cutouts.

4. INSPECT UNDERDRIVE PACK CLEARANCE

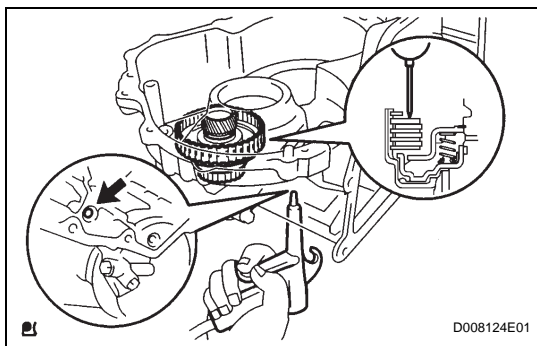
(a) Install the underdrive clutch to the transaxle case.

NOTICE:

Be careful not to damage the oil seal rings.



(b) Set a dial indicator as shown in the illustration.



(c) Measure the underdrive clutch piston stroke while applying and releasing compressed air (392 kPa, 4.0 kgf/cm², 57 psi).

Standard pack clearance:

1.51 to 1.90 mm (0.0594 to 0.0748 in.)

If the pack clearance is less than the minimum, parts may have been assembled incorrectly, so check and reassemble again.

If the park clearance is not as specified, select another flange.

HINT:

There are 3 flanges in different thickness.

Standard flange thickness

No.	Thickness	No.	Thickness
A	3.0 mm (0.118 in.)	C	3.4 mm (0.134 in.)
B	3.2 mm (0.126 in.)	-	-