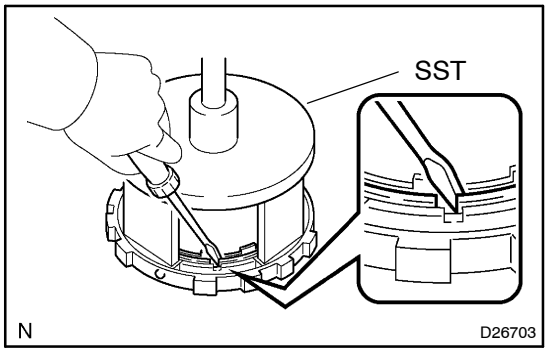
# SECOND BRAKE PISTON ASSY (U151E/U151F)

4006I–03

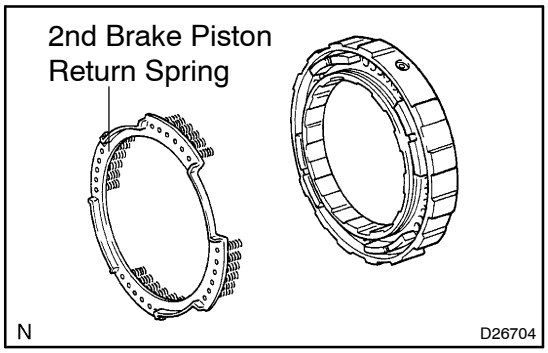
## OVERHAUL



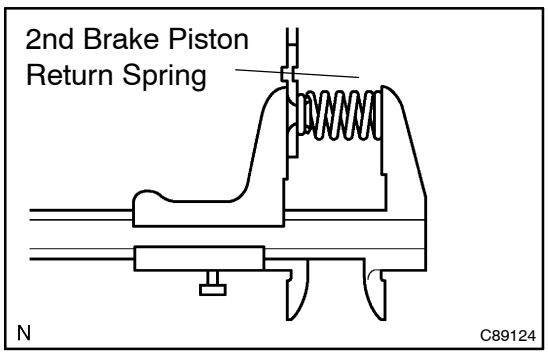

**1. REMOVE 2ND BRAKE PISTON RETURN SPRING SUB–ASSY**

(a) Place SST on the return spring and compress.
SST 09387–00060

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

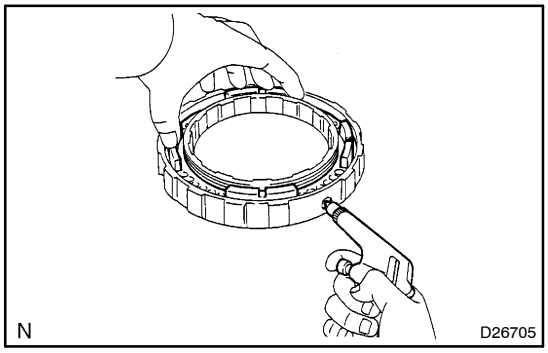



(c) Remove the 2nd brake piston return spring.



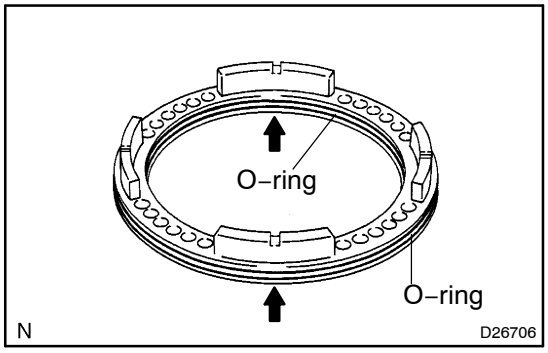

**2. INSPECT 2ND BRAKE PISTON RETURN SPRING SUB–ASSY**

(a) Using vernier calipers, measure the free length of the spring together with the spring seat.
**Standard free length: 16.61 mm (0.6539 in.)**



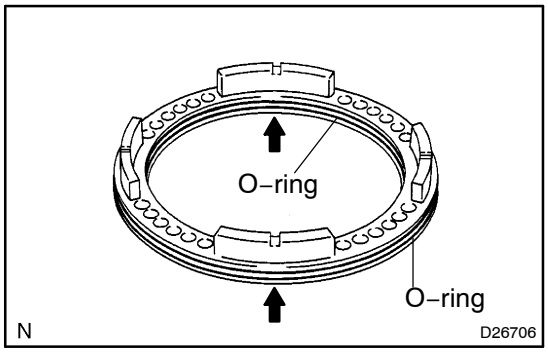

**3. REMOVE 2ND BRAKE PISTON**

(a) Hold the 2nd brake piston and apply compressed air (392 kPa, 4.0 kgf/cm$^2$, 57 psi) to the 2nd brake cylinder to remove the 2nd brake piston.




**4. REMOVE 2ND BRAKE PISTON O–RING**

(a) Remove the 2 O–rings from the 2nd brake piston.

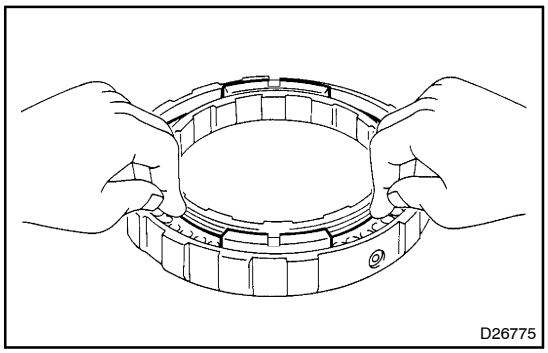



**5. INSTALL 2ND BRAKE PISTON O–RING**

(a) Apply the 2 new O–rings with ATF, install them in the 2nd brake piston.

**NOTICE:**

**Assemble the O–ring carefully not to have a twist and a pinching.**

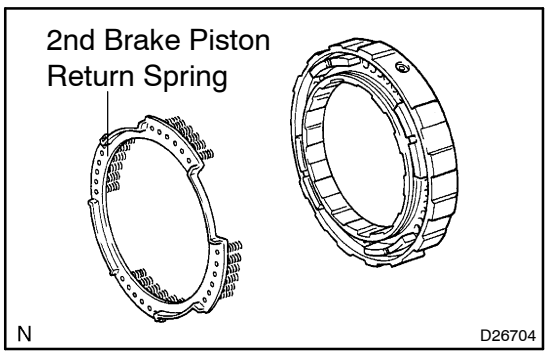



**6. INSTALL 2ND BRAKE PISTON**

(a) Apply the 2nd brake piston with ATF, and install it to the 2nd brake cylinder.

**NOTICE:**

**Be careful not to damage the O–ring.**

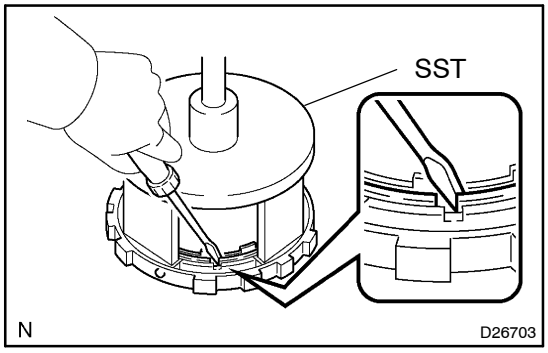



**7. INSTALL 2ND BRAKE PISTON RETURN SPRING SUB–ASSY**

(a) Install the 2nd brake piston return spring.

**NOTICE:**

**Installing the spring sub–assembly, check all of the springs are fit in the piston correctly.**




(b) Place SST on the piston return spring, and compress the piston return spring with a press.
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(c) Using a screwdriver, install the snap ring.

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

**NOTICE:**

- **Stop the press when the spring sheet is lowered to the place 1 – 2 mm (0.039 – 0.078 in.) from the snap ring groove.**
- **This prevents the spring sheet from being deformed.**