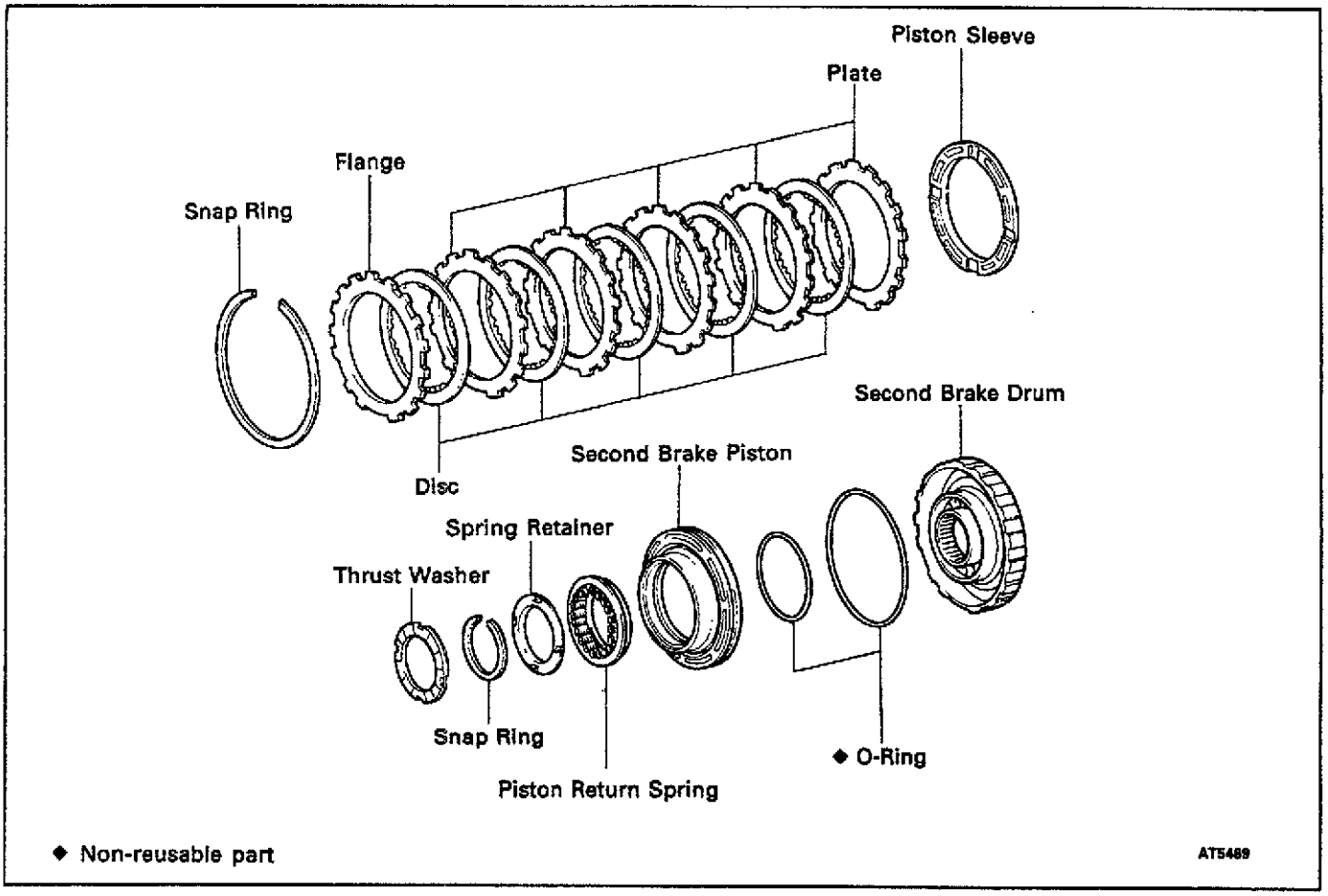
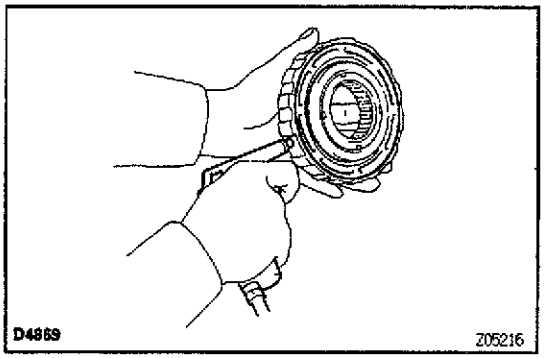
SECOND BRAKE
COMPONENTS

AT0E8–02



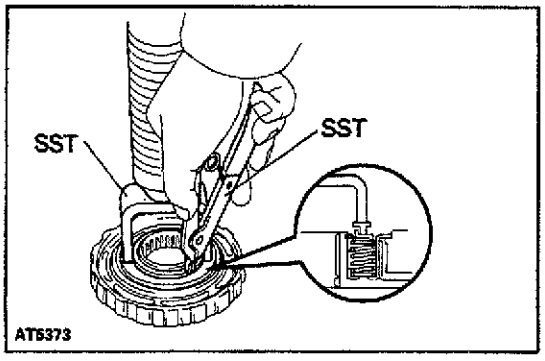


AT0E9–03

SECOND BRAKE DISASSEMBLY

1. CHECK SECOND BRAKE PISTON MOVEMENT

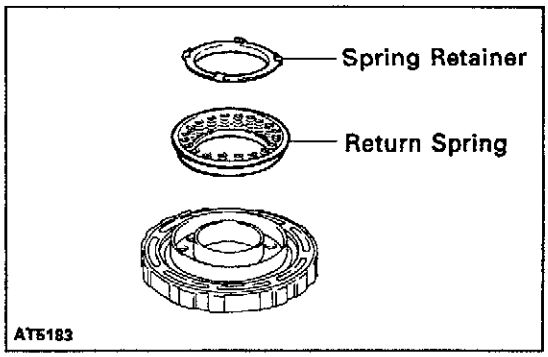
Make sure the second brake piston moves smoothly while applying and releasing low – pressure compressed air to the second brake drum.



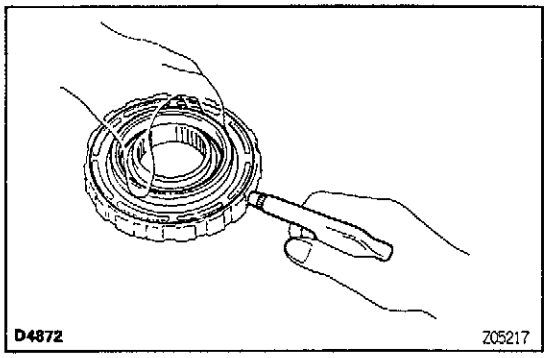
2. REMOVE PISTON RETURN SPRING

(a) Places SST on the spring retainer, and compress the return spring with a shop press.
SST 09350–30020 (09350–07040)

(b) Using SST, remove the snap ring.
SST 09350–30020 (09350–07070)



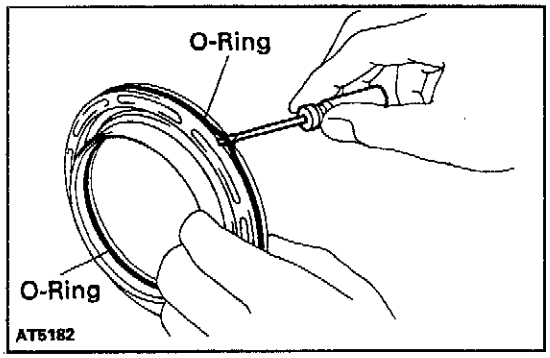
(c) Remove the spring retainer and piston return spring.



3. REMOVE SECOND BRAKE PISTON

(a) Hold the second brake piston with hand apply compressed air to the second brake drum to remove the second brake piston.

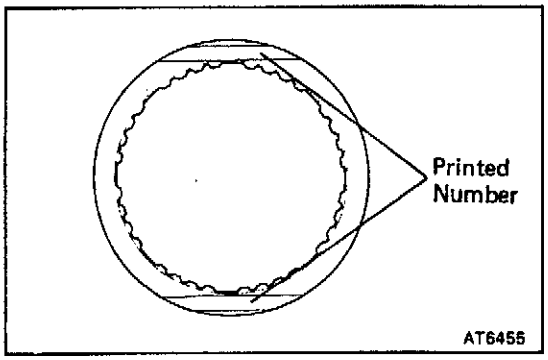
(b) Remove the second brake piston.
HINT: If the piston is at an angle and cannot be removed, press down on the side jutting out and again apply compressed air, or else wind vinyl tape around the piston end and remove it with needle nose pliers.



(c) Remove the 2 O–rings from the piston.

SECOND BRAKE INSPECTION

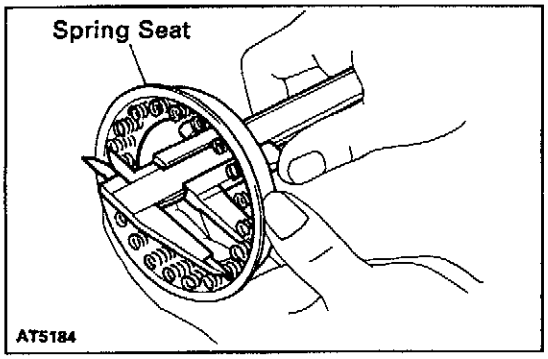
AT0EA–04



1. INSPECT DISC, PLATE AND FLANGE

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 numbers are defaced, replace all discs.
- Before assembling new discs, soak them in ATF for at least 15 minutes.

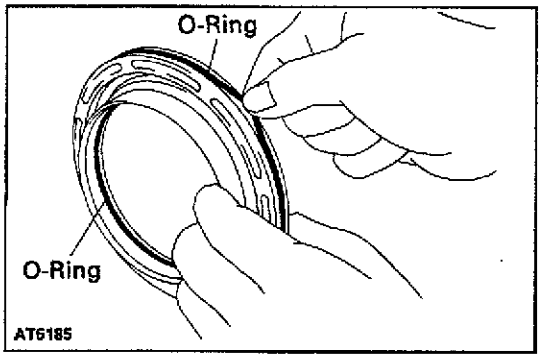


2. CHECK PISTON RETURN SPRING

Check the return spring free length together with the spring test.

Standard free length:

19.64 mm (0.7732 in.)

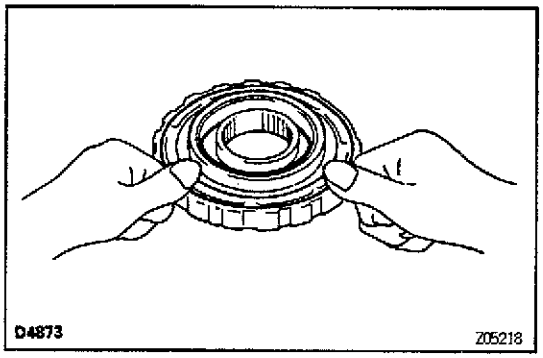


SECOND BRAKE ASSEMBLY

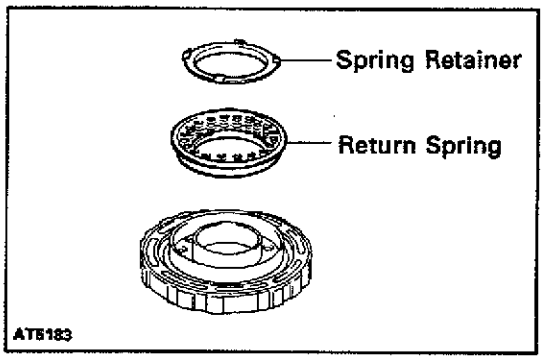
AT0E8–03

1. INSTALL SECOND BRAKE PISTON

(a) Coat 2 new O–rings with ATF and install them on second brake piston.



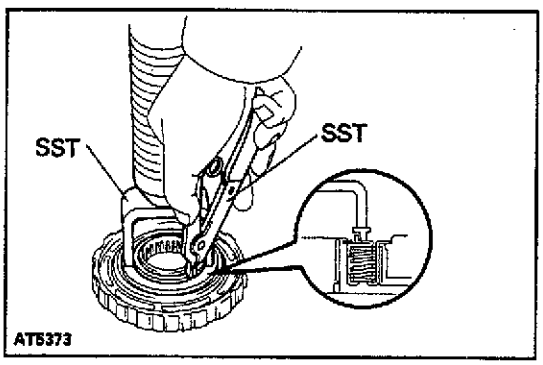
(b) Being careful not to damage the O–rings, press the second brake piston into the second brake drum with both hands.



2. INSTALL PISTON RETURN SPRINGS

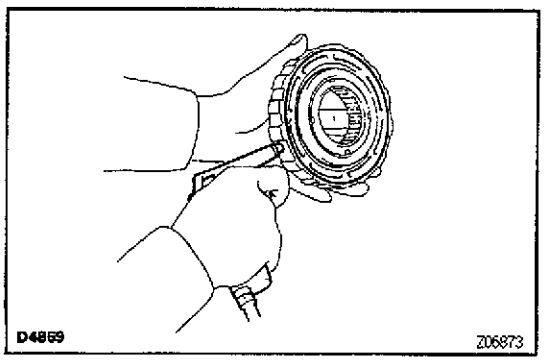
(a) Install the piston return spring.

(b) Install the spring retainer.



(c) Place SST on the spring retainer, and compress the return spring with a shop press.
SST 09350–30020 (09350–07040)

(d) Using SST, install the snap ring.
SST 09350–30020 (09350–07070)



3. CHECK SECOND BRAKE PISTON MOVEMENT

Make sure the second brake piston moves smoothly when applying and releasing low – pressure compressed air to the second brake drum.