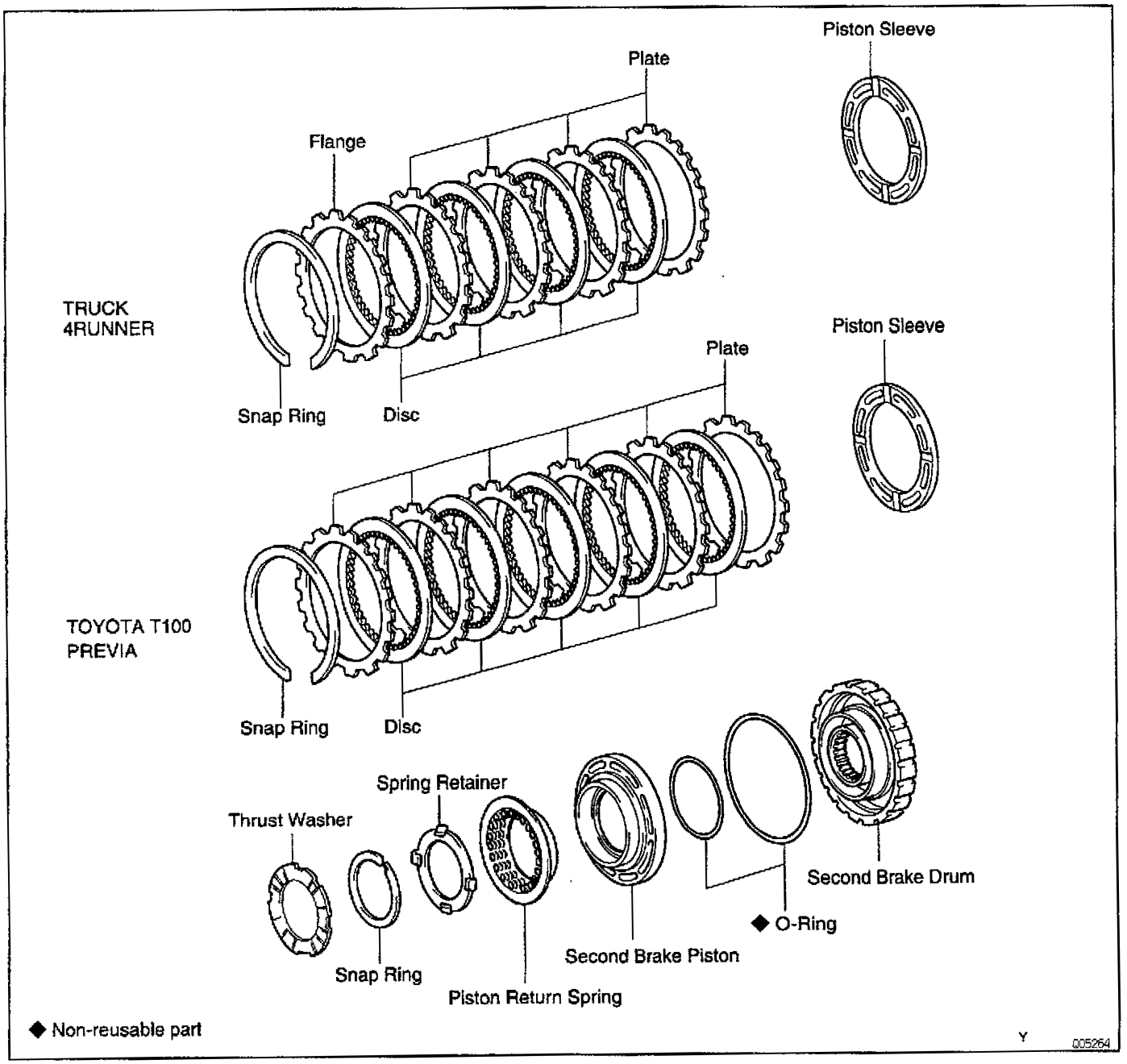
SECOND BRAKE
COMPONENTS

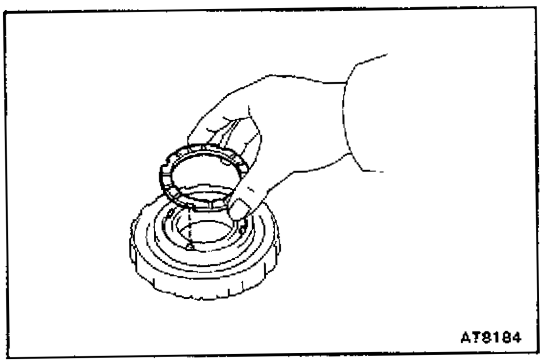
AT05Z–04

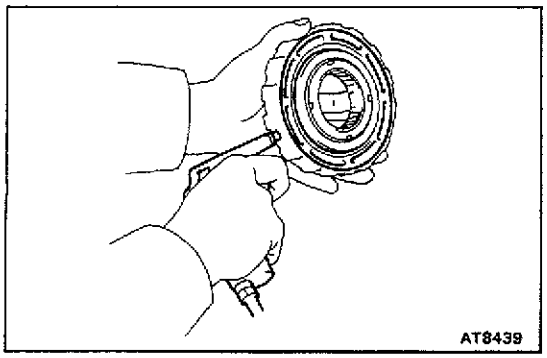


AT08T–01

SECOND BRAKE DISASSEMBLY

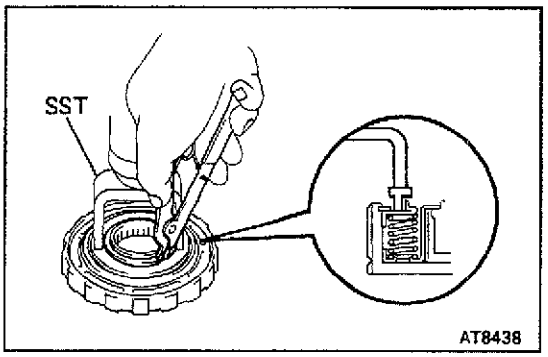
1. REMOVE THRUST WASHER FROM SECOND BRAKE DRUM





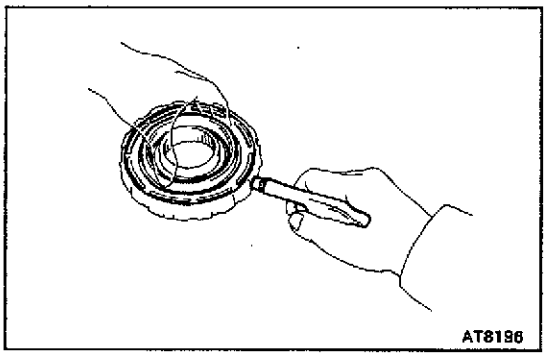
2. CHECK SECOND BRAKE PISTON MOVEMENT

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



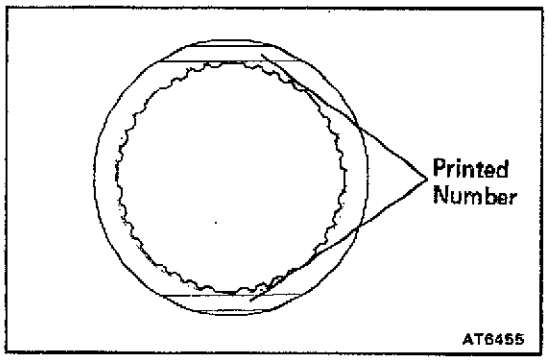
3. REMOVE PISTON RETURN SPRING

(a) Place SST on the spring retainer, and compress the return spring with a shop press.
SST 09350–30020 (09350–07040)
(b) Using snap ring pliers, remove the snap ring.
(c) Remove the spring retainer.
(d) Remove the piston return spring.



4. 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.



AT061-05

SECOND BRAKE INSPECTION

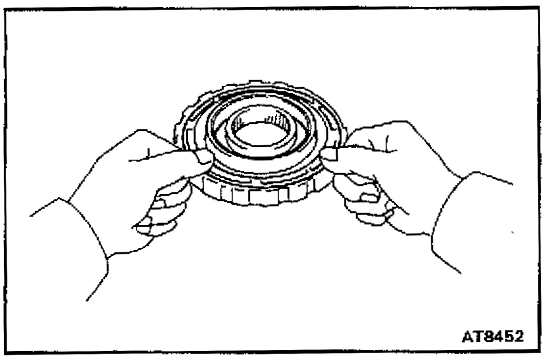
INSPECT DISC, PLATE AND FLANGE

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.

AT062–01

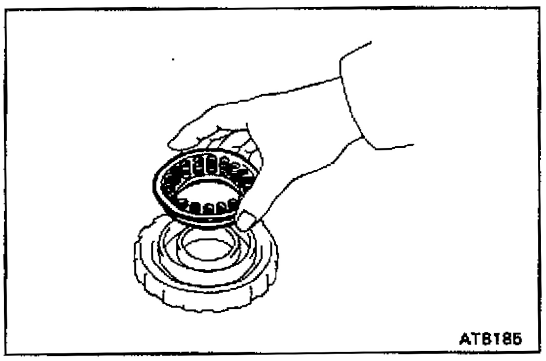
SECOND BRAKE ASSEMBLY



1. INSTALL SECOND BRAKE PISTON

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

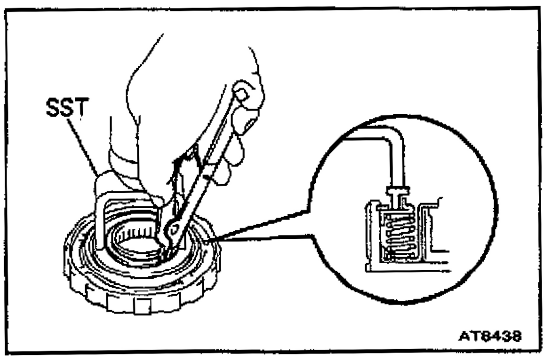
(b) Being careful not to damage the O–rings, press the second brake piston into the second brake drum with both hands.



2. INSTALL PISTON RETURN SPRING

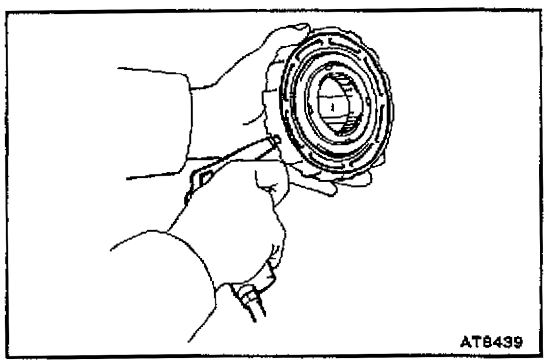
(a) Install the piston return spring.

(b) Install the spring retainer.



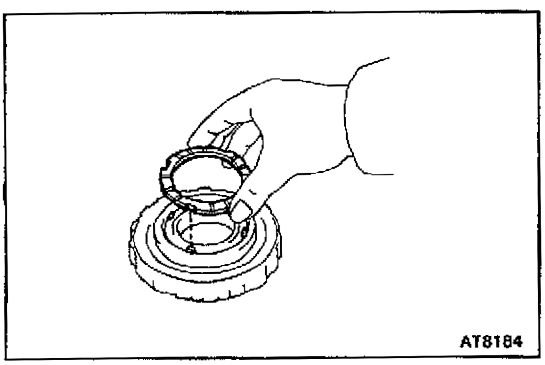
(c) Place SST on the spring retainer, and compress the return spring with a shop press.
SST 09350–30020 (09350–07040)

(d) Using snap ring pliers, install the snap ring.



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.



4. INSTALL THRUST WASHER

Coat the thrust washer with petroleum jelly and install it.

HINT: Make sure that the cutout portions of thrust washer match teeth of the spring retainer.