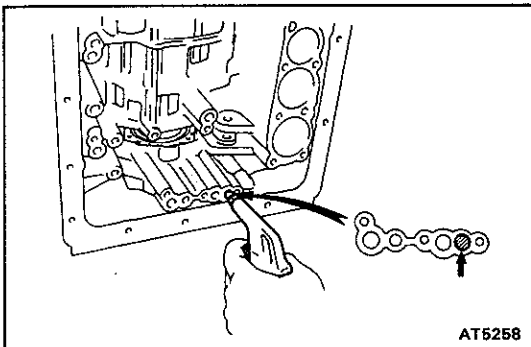
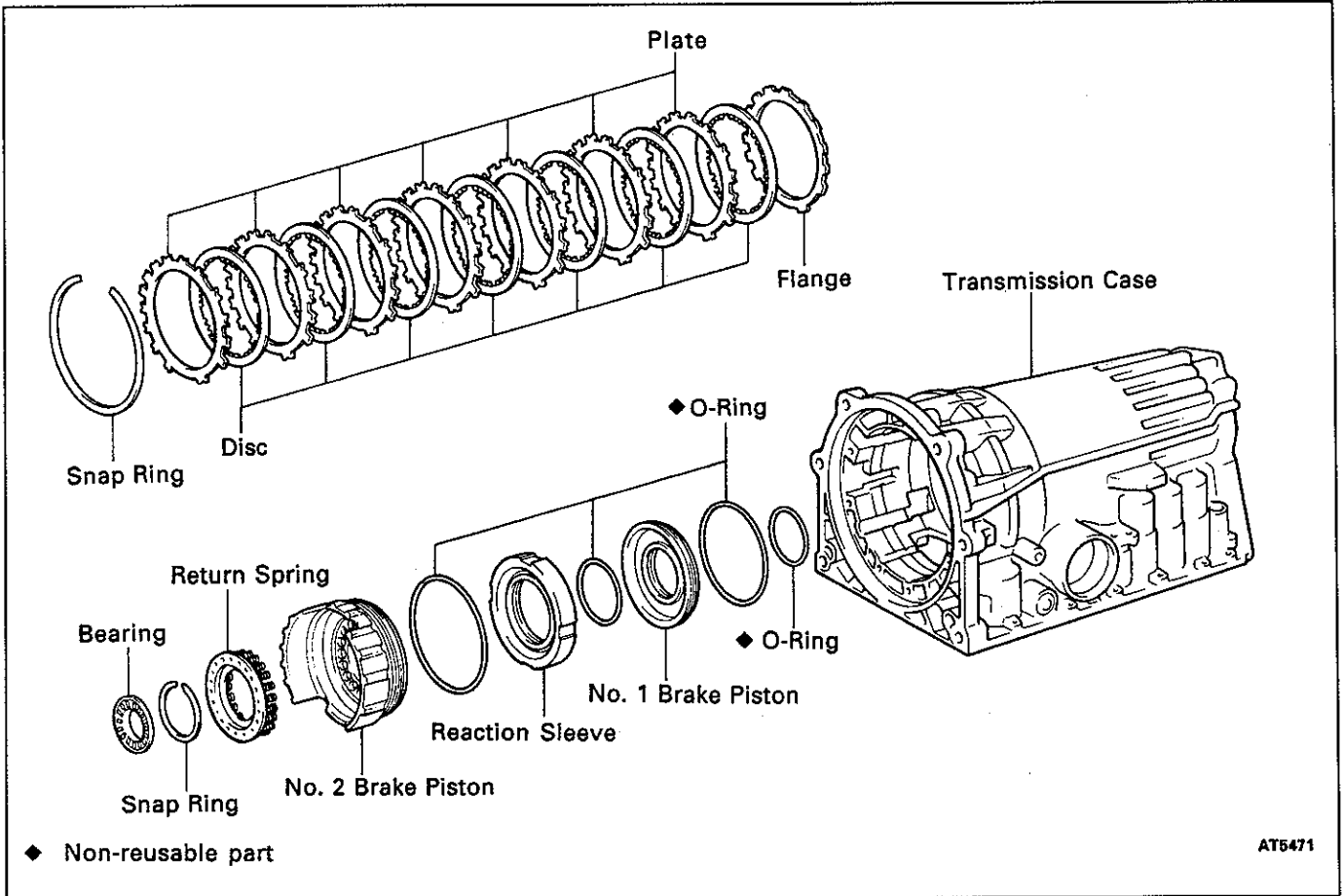


FIRST AND REVERSE BRAKE COMPONENTS

AT0EG-02



FIRST AND REVERSE BRAKE DISASSEMBLY

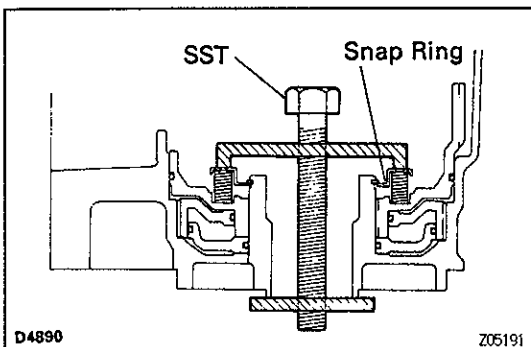
AT0EH-02

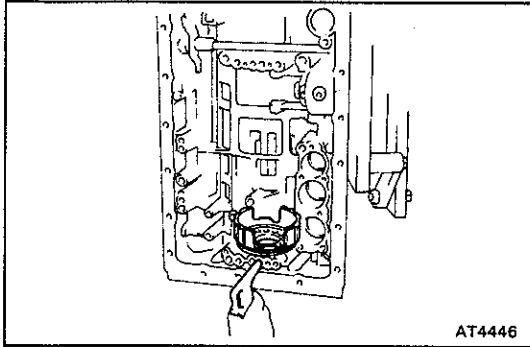
1. CHECK PISTON STROKE OF FIRST AND REVERSE BRAKE

Make sure the first and reverse brake pistons move smoothly when applying and releasing the compressed air into the transmission case.

2. REMOVE PISTON RETURN SPRING

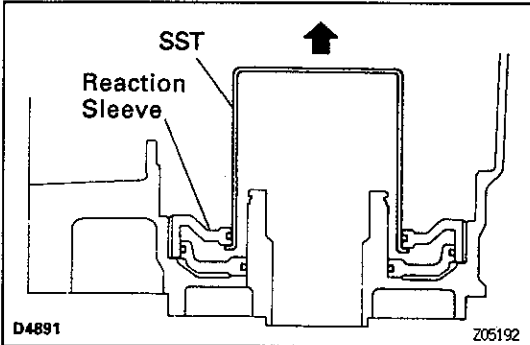
- (a) Place SST on the spring retainer and compress the return spring.
SST 0935-30020 (0935-07050)
- (b) Using SST, remove the snap ring.
SST 0935-30020 (0935-07070)





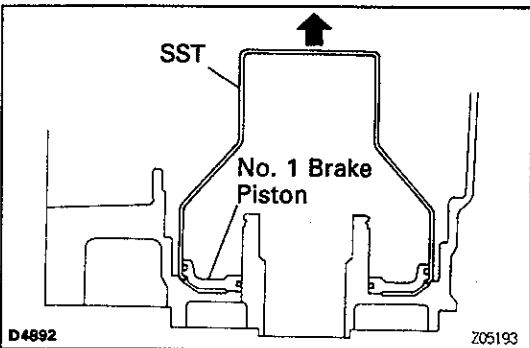
3. REMOVE NO.2 BRAKE PISTON

- (a) Hold No.2 brake piston with hand, apply compressed air to transmission case to remove No.2 brake piston. HINT: If the piston does not pop out with compressed air, lift the piston out with needle-nose pliers.
- (b) Remove the O-ring from No.2 brake piston.



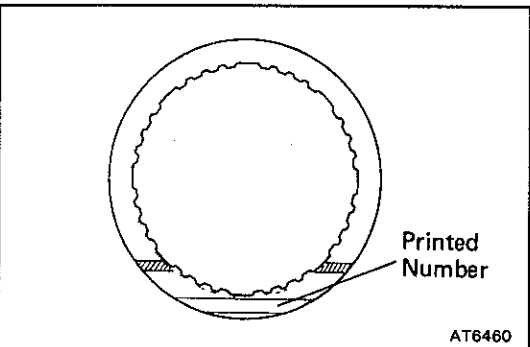
4. REMOVE REACTION SLEEVE

- (a) Using SST, remove the reaction sleeve. SST 09350-30020 (09350-07080)
- (b) Remove the O-ring from the reaction sleeve.



5. REMOVE NO. 1 FIRST AND REVERSE BRAKE PISTON

- (a) Using SST, remove the No.1 brake piston. SST 09350-30020 (09350-07090)
- (b) Remove the 2 O-rings from the No.1 piston.



FIRST AND REVERSE BRAKE INSPECTION

1. CHECK 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 parts 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 seat.

Standard free length:

12.9 mm (0.508 in.)

