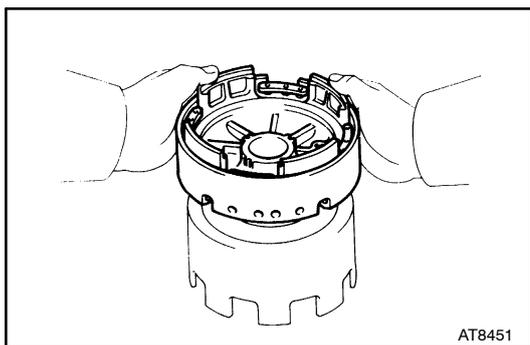
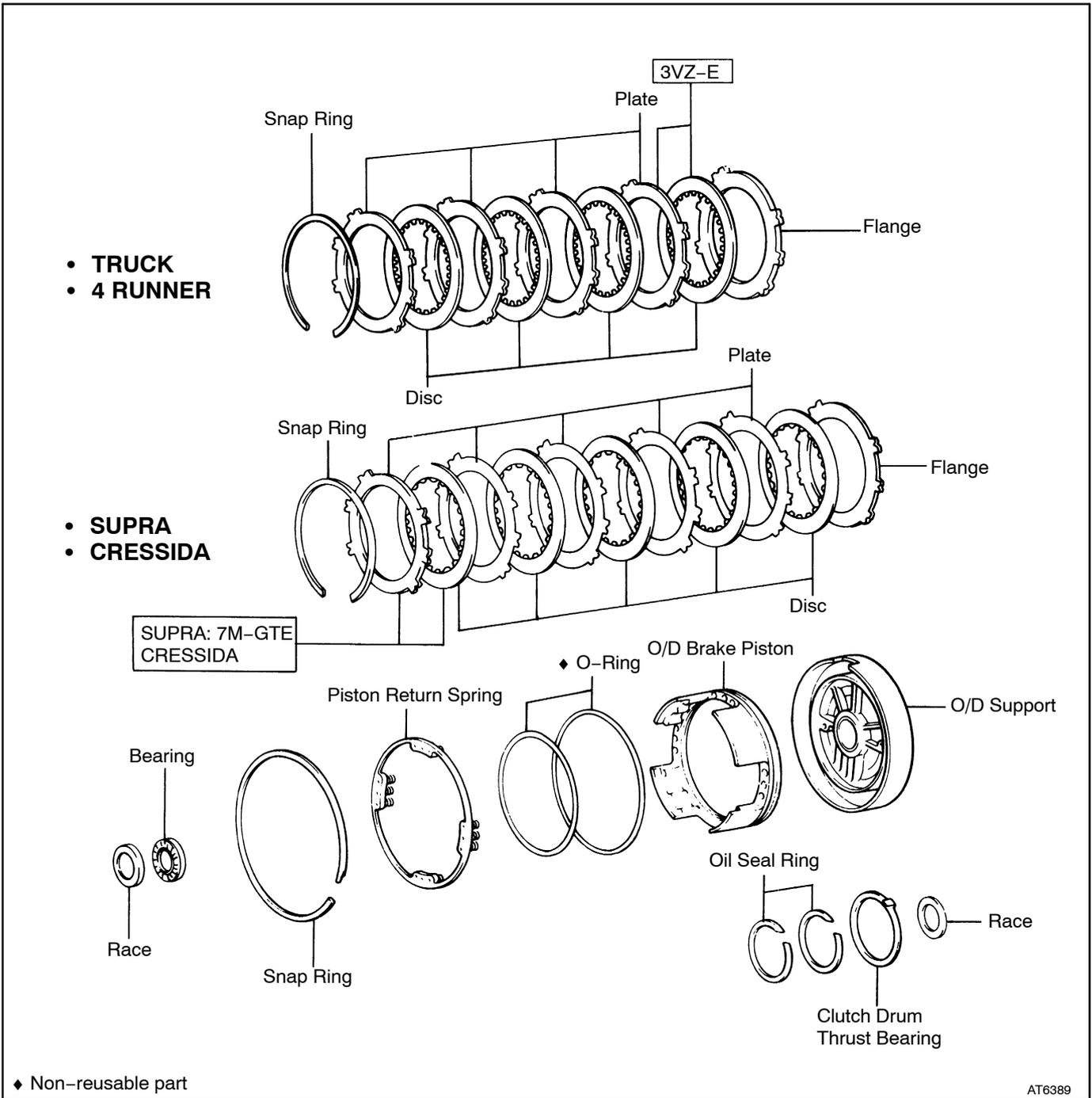
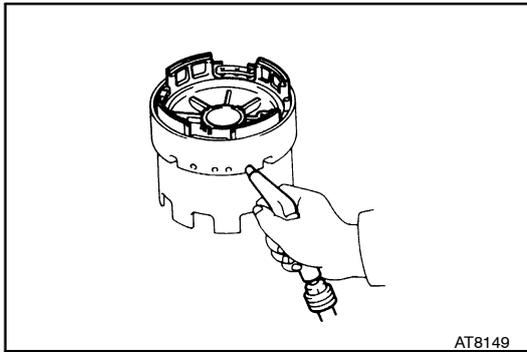


# Overdrive Brake COMPONENTS

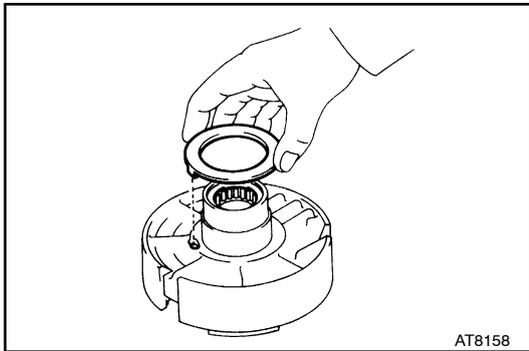


## DISASSEMBLY OF OVERDRIVE BRAKE

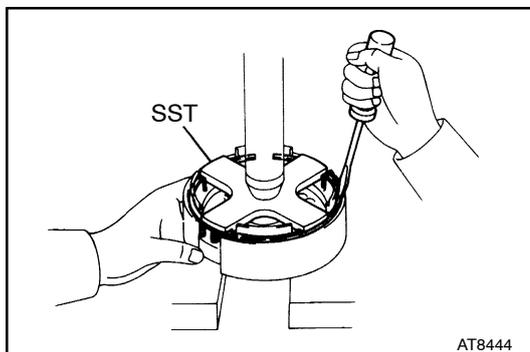
1. **CHECK OVERDRIVE BRAKE PISTON MOVEMENT**
  - (a) Place the O/D support assembly onto the direct clutch assembly.



- (b) Apply compressed air into the oil passage as shown, and be sure that the O/D brake piston moves smoothly.

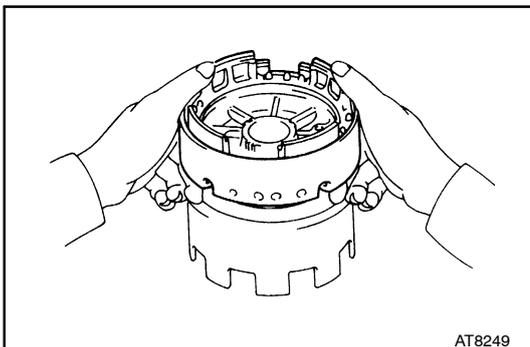


## 2. REMOVE CLUTCH DRUM THRUST WASHER FROM OVERDRIVE SUPPORT



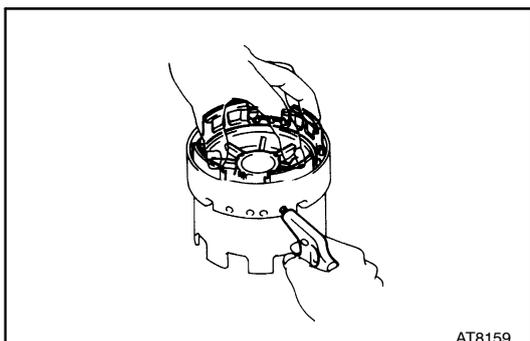
## 3. REMOVE PISTON RETURN SPRING

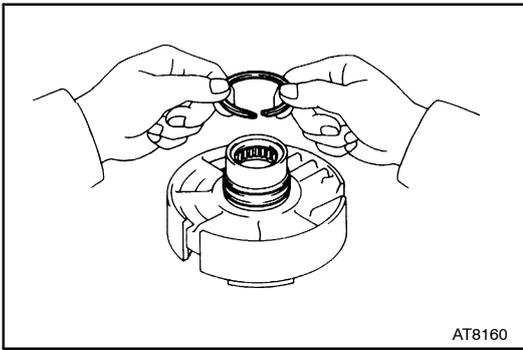
- (a) Place SST on the spring retainer, and compress the return spring with a shop press.  
 SST 09350-30020 (09350-07030)  
 (b) Remove the snap ring with a screwdriver.  
 (c) Remove the piston return spring.



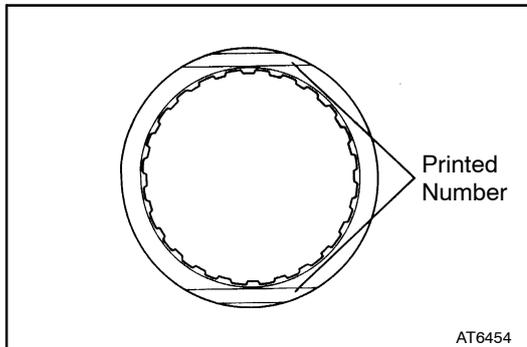
## 4. REMOVE OVERDRIVE BRAKE PISTON

- (a) Place the O/D support onto the direct clutch assembly.
- (b) Hold the O/D brake piston so it does not slant, and apply compressed air into the passage to remove the O/D brake piston.
- (c) Remove the O/D brake piston.
- (d) Remove the two O-rings from the piston.





## 5. REMOVE OIL SEAL RINGS



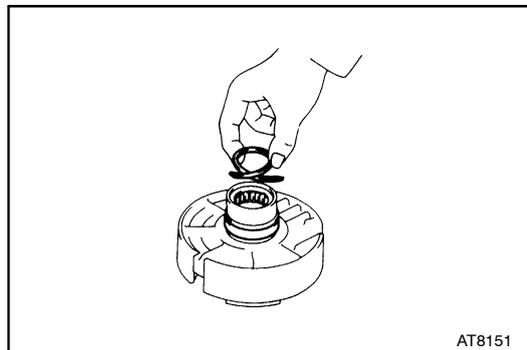
## INSPECTION OF OVERDRIVE BRAKE

### 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 parts of the printed numbers are defaced, replace all discs.
- Before assembling new discs, soak them in ATF for at least fifteen minutes.



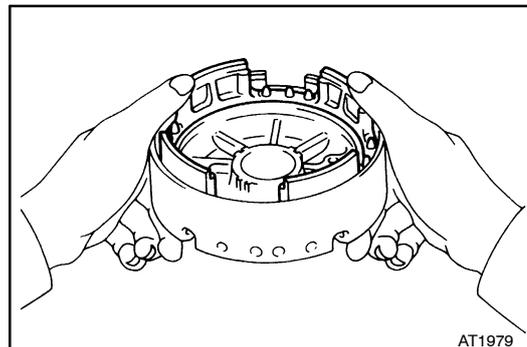
## ASSEMBLY OF OVERDRIVE BRAKE

### 1. INSTALL OIL SEAL RINGS

- Coat the two oil seal rings with ATF.
- Contract the oil seal rings as shown, and install them onto the O/D support.

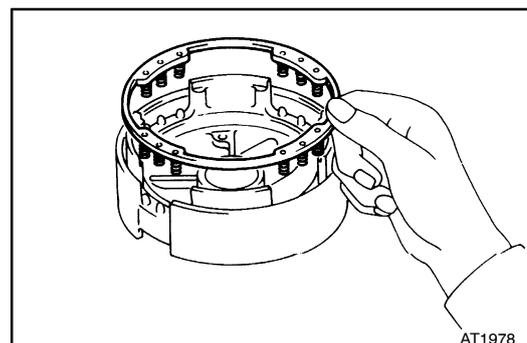
**NOTICE: Do not spread the ring ends more than necessary.**

HINT: After installing the oil seal rings, check that they rotate smoothly.



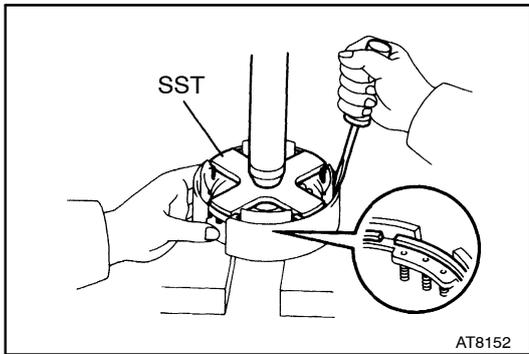
### 2. INSTALL OVERDRIVE BRAKE PISTON

- Coat two new O-rings with ATF and install them on the O/D brake piston.
- Being careful not to damage the O-rings, press in the brake piston into the O/D support with both hands.



### 3. INSTALL PISTON RETURN SPRING

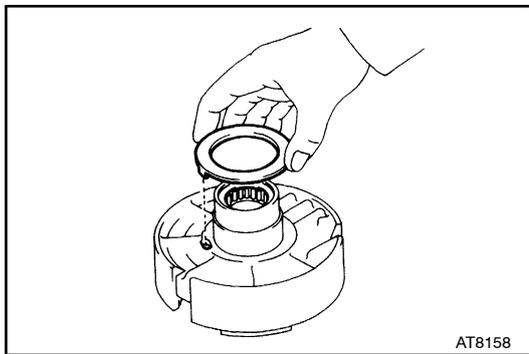
- Install the piston return spring.



- (b) Place SST on the spring retainer, and compress the return spring with a shop press.

SST 09350-30020 (09350-07030)

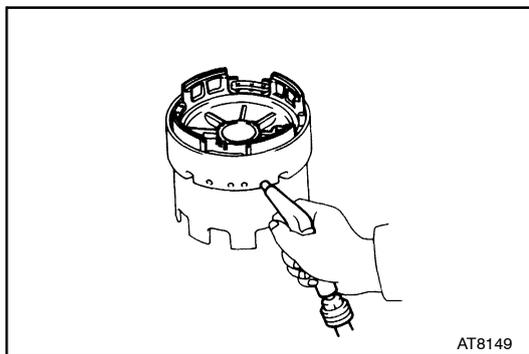
- (c) Install the snap ring with a screwdriver. Be sure the end gap of the snap ring is not aligned with the cutout portion of the O/D support.



#### 4. INSTALL CLUTCH DRUM THRUST WASHER

Coat the thrust washer with petroleum jelly and install it onto the O/D support.

HINT: Make sure that the lug shape matches the hole on the O/D support.



#### 5. CHECK OVERDRIVE BRAKE PISTON MOVEMENT

- (a) Place the O/D support assembly onto the direct clutch assembly.

- (b) Apply compressed air into the oil passage as shown, and be sure that the O/D brake piston moves smoothly.