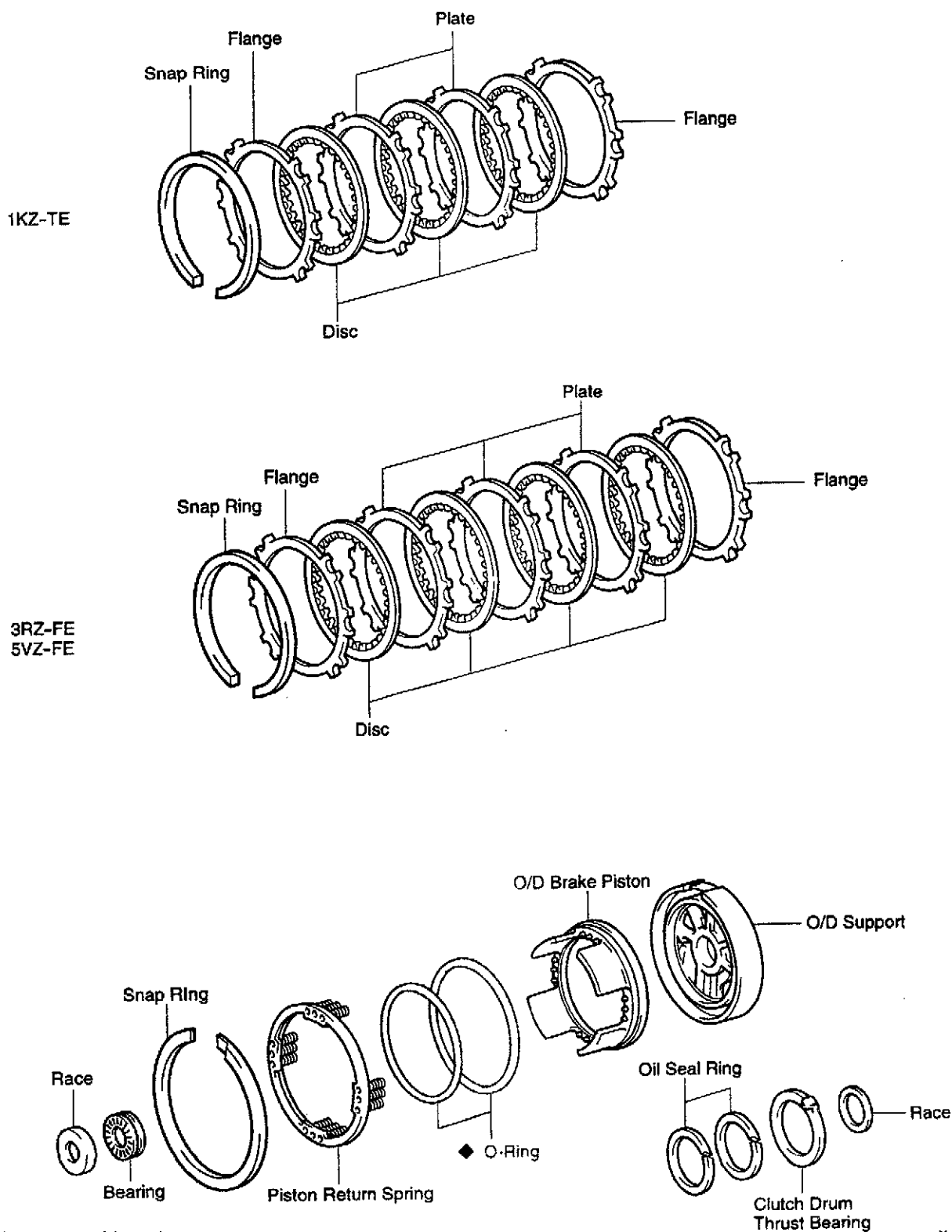


# OVERDRIVE BRAKE COMPONENTS

AT08F-07

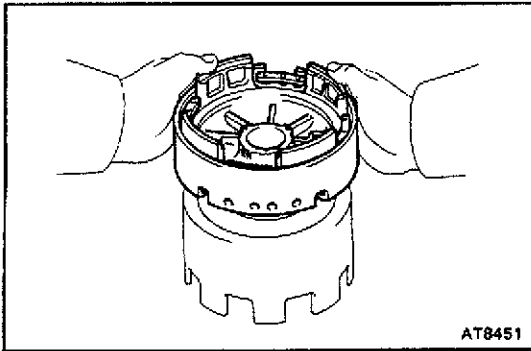
AT



## O/D BRAKE DISASSEMBLY

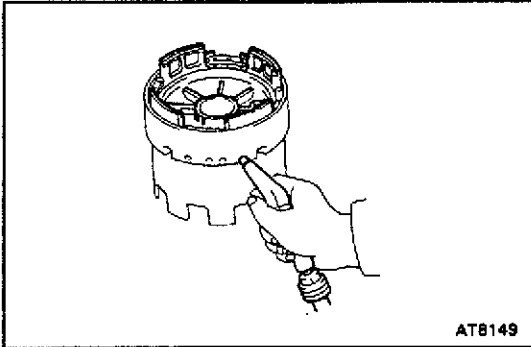
### 1. CHECK O/D BRAKE PISTON MOVEMENT

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



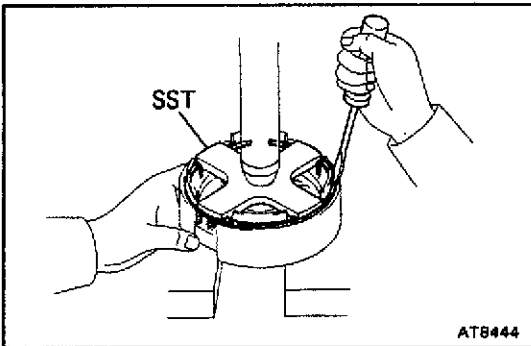
- (b) Apply compressed air into the oil passage as shown, and be sure that the O/D brake piston moves smoothly.

### 2. REMOVE CLUTCH DRUM THRUST WASHER FROM O/D SUPPORT



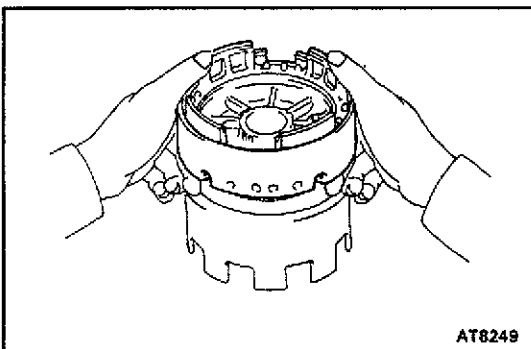
### 3. REMOVE PISTON RETURN SPRING

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

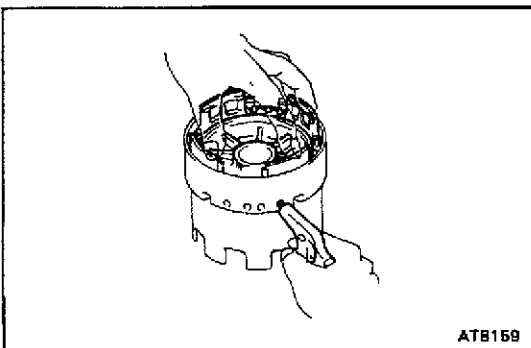


### 4. REMOVE O/D BRAKE PISTON

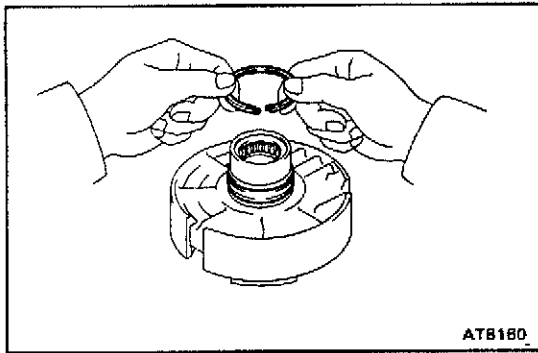
- (a) Place the O/D support onto the direct clutch assembly.



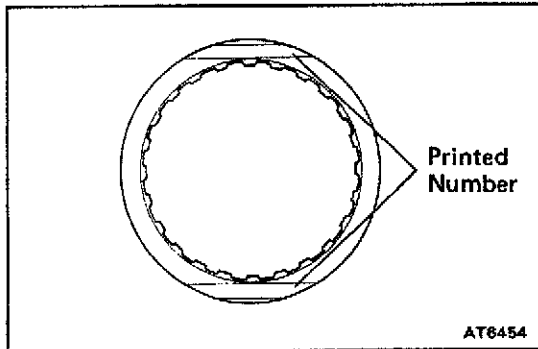
- (b) Hold the O/D brake piston so it does not slant, and apply compressed air into the passage to remove the O/D brake piston.
- (c) Remove the O/D brake piston.
- (d) Remove the 2 O-rings from the piston.



AT



## 5. REMOVE 2 OIL SEAL RINGS



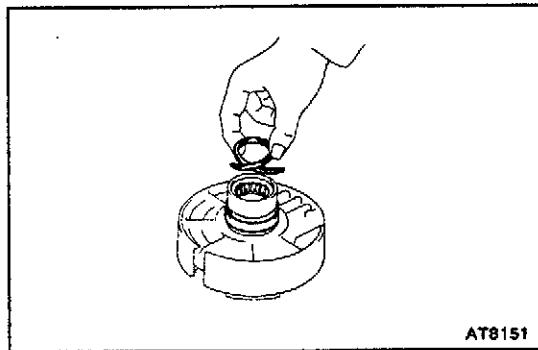
## O/D BRAKE INSPECTION

AT05H-08

### 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.



## O/D BRAKE ASSEMBLY

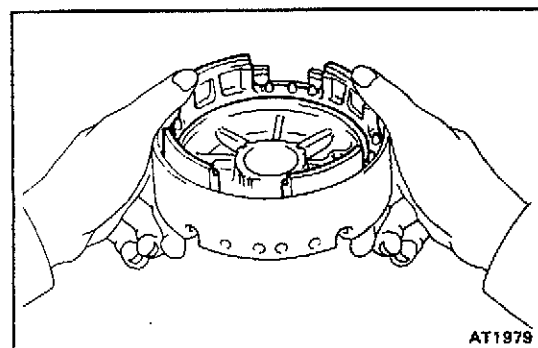
AT06J-0A

### 1. INSTALL OIL SEAL RINGS

- (a) Coat 2 oil seal rings with ATF.
- (b) Install the 2 oil seal rings to the O/D support groove, then settle them down by squeezing their ends together.

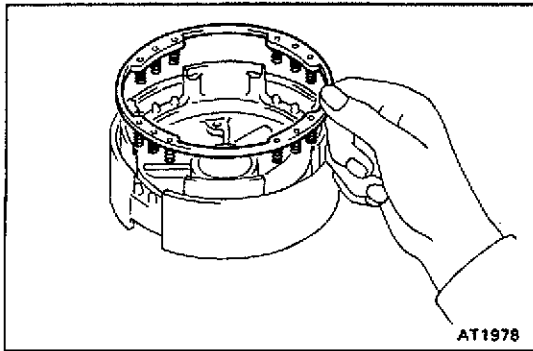
**NOTICE:** Do not squeezed the ring ends more than necessary.

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



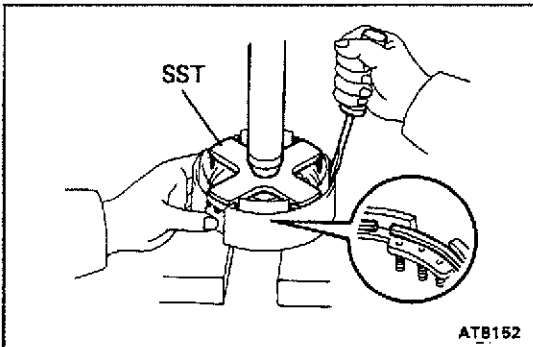
### 2. INSTALL O/D BRAKE PISTON

- (a) Coat 2 new O-rings with ATF and install them on the O/D brake piston.
- (b) Being careful not to damage the O-rings, press in the brake piston into the O/D support with both hands.

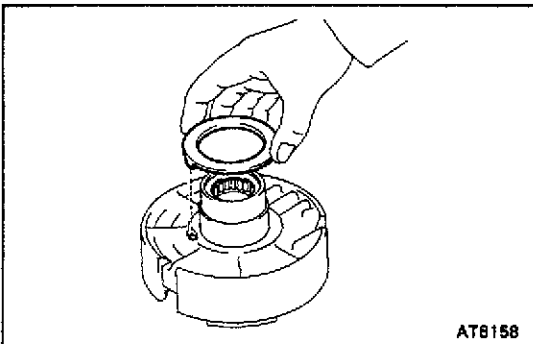


### **3. INSTALL PISTON RETURN SPRING**

- (a) Install the piston return spring.



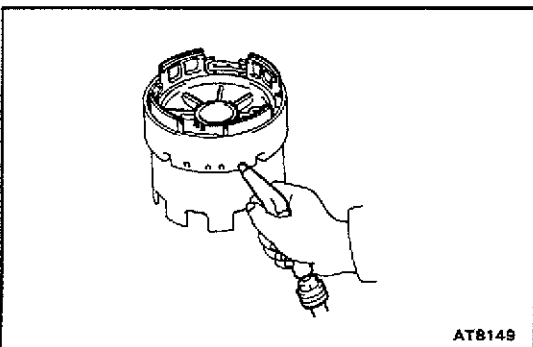
- (b) Place SST on the spring retainer, and compress the return spring with a press.  
SST 09350-30020 (09350-07030)
- (c) Install the snap ring with a screwdriver. Be sure the end gap of the snap ring is not aligned with the cutout portion of the O/D support.



### **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 O/D 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.