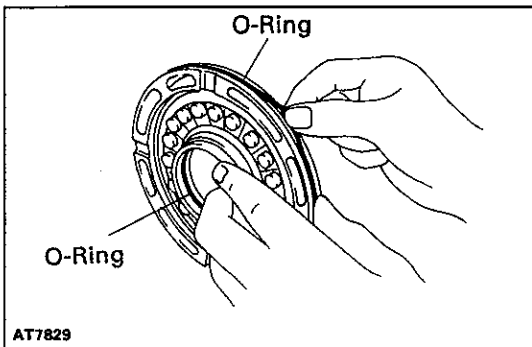
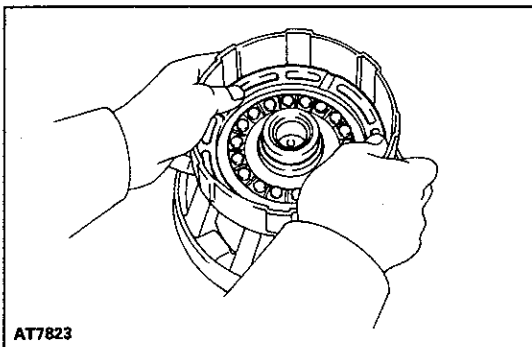


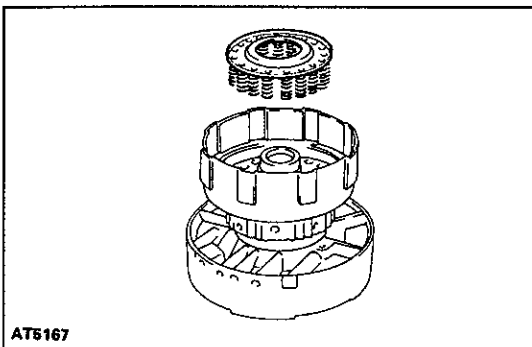
AT5467



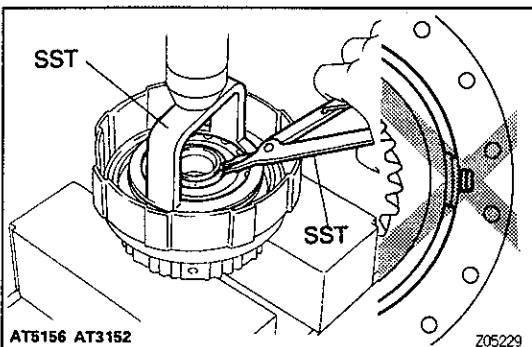
AT7829



AT7823



AT5167



AT5156 AT3152

Z05229

FORWARD CLUTCH ASSEMBLY

1. INSTALL OIL SEAL RINGS

- (a) Coat the 3 oil seal rings with ATF.
- (b) Contract the oil seal rings as shown, and install them onto the the forward clutch drum.

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

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

2. INSTALL FORWARD CLUTCH PISTON

- (a) Coat 2 new O-rings with AFT and install them on the forward clutch piston.

- (b) Being careful not to damage the O-rings, press the clutch piston into the forward clutch drum with both hands.

3. INSTALL PISTON RETURN SPRING

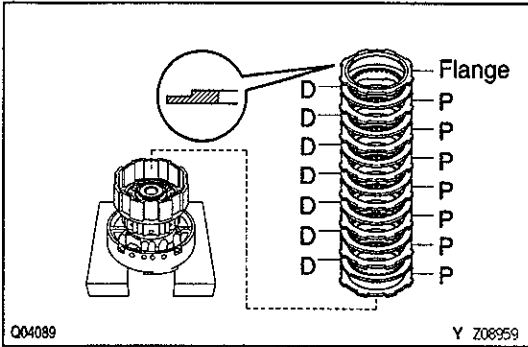
- (a) Install the piston return spring.

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

SST 09350-30020 (09350-07040)

- (c) Using SST, install the snap ring. Be sure the end gap of the snap ring is not aligned with the spring retainer claw.

SST 09350-30020 (09350-07070)



4. INSTALL PLATES, DISCS AND FLANGE

(a) Install the plate and discs.

Install in order: P = Plate D = Disc

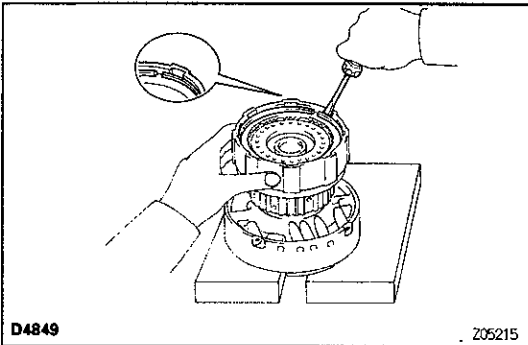
P-D-P-D-P-D-P-D-P-D-P-D-P-D

(b) Then install the flange, the rounded edge facing downward.

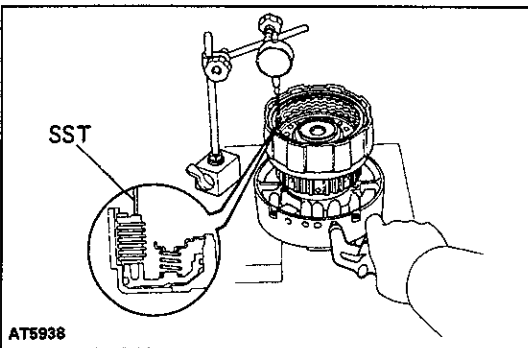
HINT: There are 6 different flange thicknesses.

Flange thickness:

No.	Thickness mm (in.)	No.	Thickness mm (in.)
42	4.0 (0.157)	45	3.4 (0.134)
44	3.8 (0.150)	60	3.2 (0.126)
62	3.6 (0.142)	61	3.0 (0.118)



(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 forward clutch drum.



5. CHECK PACK CLEARANCE OF FORWARD CLUTCH

Using SST and a dial indicator, measure the forward clutch pack clearance applying and releasing the compressed air (186–206 kPa, 1.9–2.1 kgf/cm², 27–30 psi), as shown.

SST 09350–30020 (09350–06120)

Pack clearance:

0.70–1.00 mm (0.0276–0.0394 in.)

If the pack clearance is less than the limit, parts may have been assembled incorrectly, check and reassemble again.