

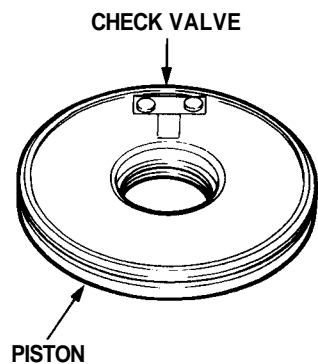


Reassembly

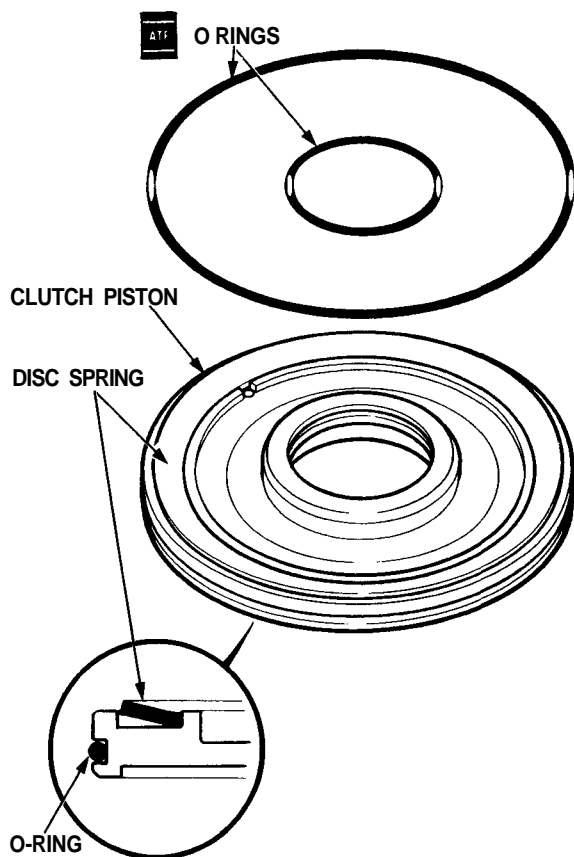
NOTE:

- Clean all parts thoroughly in solvent or carburetor cleaner, and dry with compressed air.
- Blow out all passages.
- Lubricate all parts with ATF before reassembly.

1. Inspect the check valve; if it's loose replace the piston.



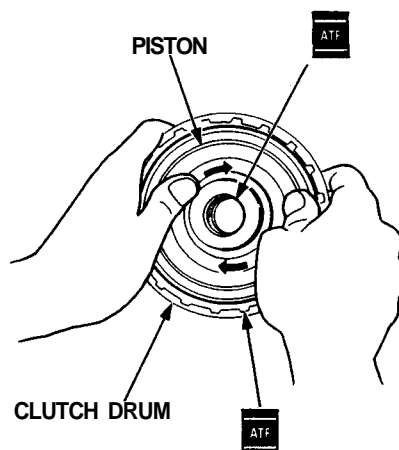
2. Install new O-rings on the clutch piston.
 3. Be sure that the disc spring is securely staked.
- NOTE: For 1st and reverse clutches.



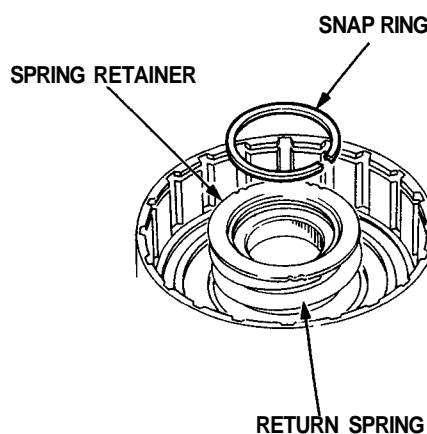
4. Install the piston in the clutch drum. Apply pressure and rotate to ensure proper seating.

NOTE: Lubricate the O-ring with ATF before installing.

CAUTION: Do not pinch O-ring by installing the piston with force.



5. Install the return spring and spring retainer and position the snap ring on the spring retainer.

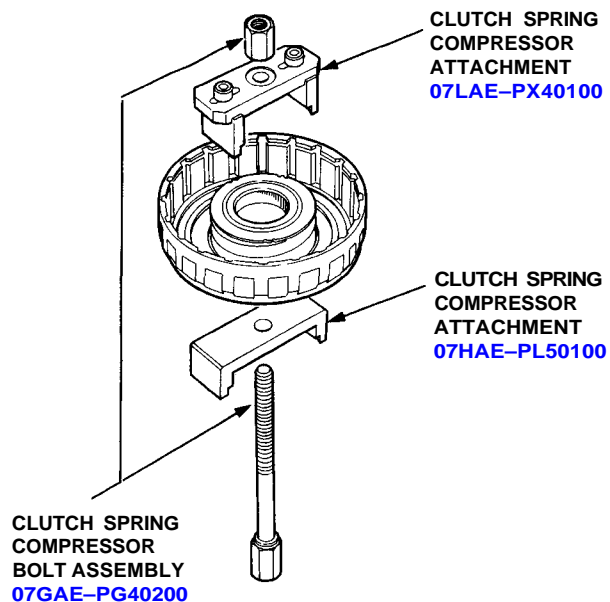


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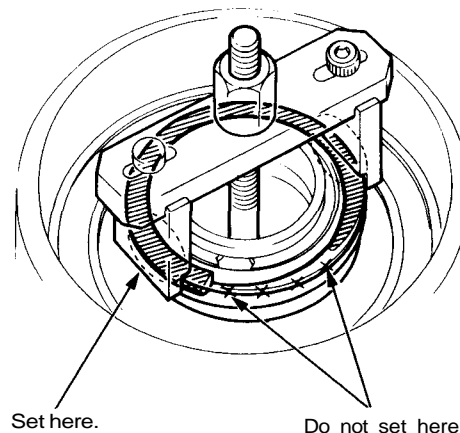
Clutch

Reassembly (cont'd)

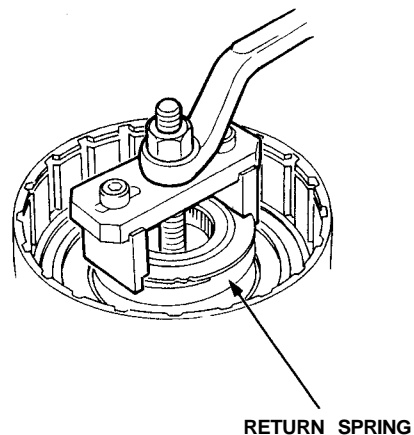
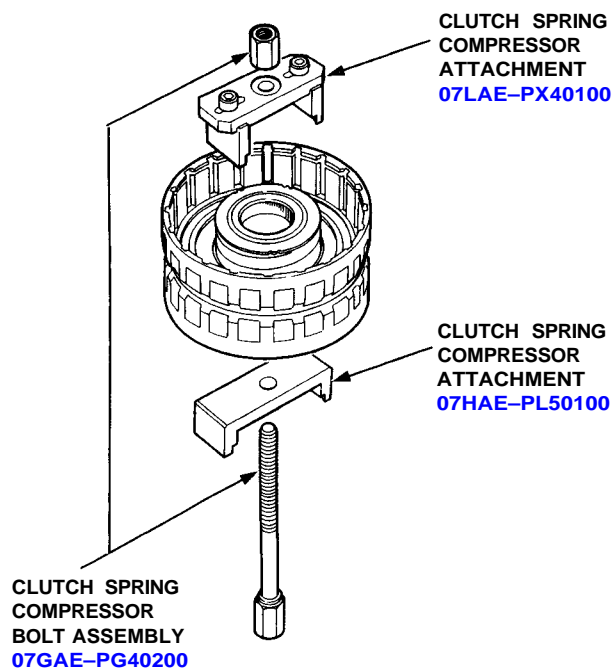
6. Install the special tools as shown.



CAUTION: If either end of the clutch spring compressor attachment is set over an area of the spring retainer which is unsupported by the return spring, the spring retainer may be damaged.

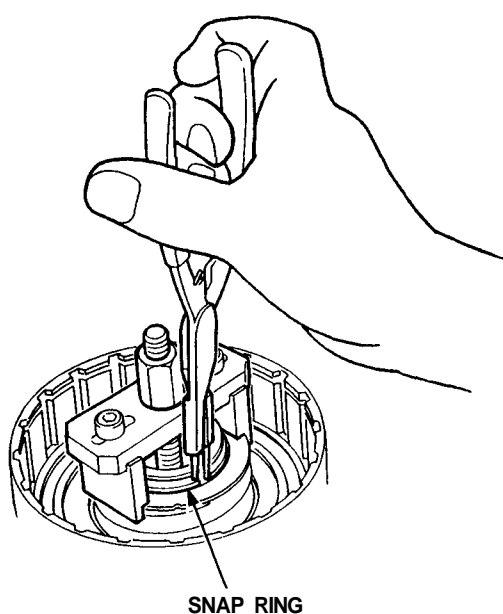


7. Compress the return spring.



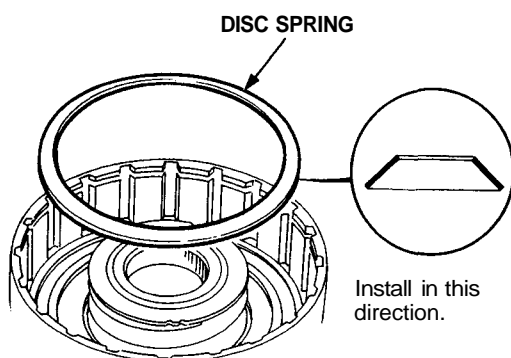


8. Install the snap ring, then remove the special tools.



9. Install the disc spring.

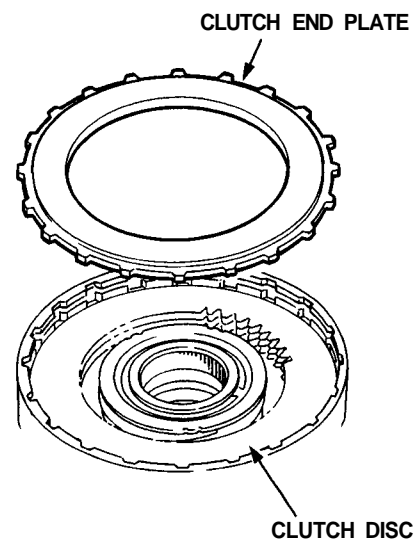
NOTE: For 2nd, 3rd, 4th and 1st-hold clutches, install the disc spring in the direction shown.



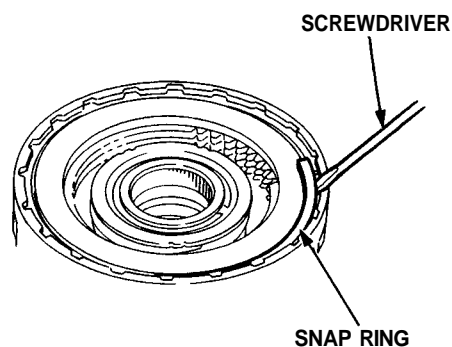
10. Soak the clutch discs thoroughly in ATF for a minimum of 30 minutes.

11. Starting with a clutch plate, alternately install the clutch plates and discs. Install the clutch end plate with flat side toward the disc.

NOTE: Before installing the plates and discs, make sure the inside of the clutch drum is free of dirt or other foreign matter.



12. Install the snap ring.



(cont'd)

Clutch

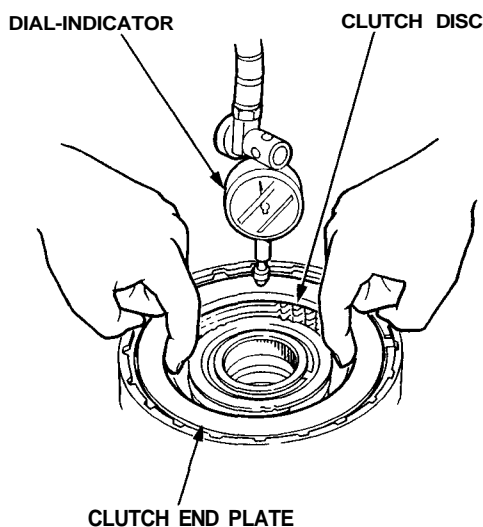
Reassembly (cont'd)

13. Measure the clearance between the clutch end plate and top disc with a dial indicator. Zero the dial indicator with the clutch end plate lowered and lift it up to the snap ring. The distance that the clutch end plate moves is the clearance between the clutch end plate and top disc.

NOTE: Measure at three locations.

Clutch End Plate-to-Top Disc Clearance:

Clutch	Service Limit
1st	0.65–0.85 mm (0.026–0.033 in)
2nd	0.60–0.80 mm (0.024–0.031 in)
3rd	0.60–0.80 mm (0.024–0.031 in)
4th	0.50–0.70 mm (0.020–0.028 in)
1st-Hold	0.70–0.90 mm (0.028–0.035 in)
Reverse	0.75–0.95 mm (0.030–0.037 in)



14. If the clearance is not within the service limits, select a new clutch end plate from the appropriate table.

NOTE: If the thickest clutch end plate is installed but the clearance is still over the standard, replace the clutch discs and clutch plates.

1ST, 2ND, 3RD and 4TH CLUTCH

Part Number	Plate No.	Thickness mm (in)
22551-PY4-003	1	2.1 (0.083)
22552-PY4-003	2	2.2 (0.087)
22553-PY4-003	3	2.3 (0.091)
22554-PY4-003	4	2.4 (0.094)
22555-PY4-003	5	2.5 (0.098)
22556-PY4-003	6	2.6 (0.102)
22557-PY4-003	7	2.7 (0.106)
22558-PY4-003	8	2.8 (0.110)
22559-PY4-003	9	2.9 (0.114)

1ST-HOLD CLUTCH

Part Number	Plate No.	Thickness mm (in)
22351-PY4-003	L1	2.1 (0.083)
22352-PY4-003	L2	2.2 (0.087)
22353-PY4-003	L3	2.3 (0.091)
22354-PY4-003	L4	2.4 (0.094)
22355-PY4-003	L5	2.5 (0.098)
22356-PY4-003	L6	2.6 (0.102)
22357-PY4-003	L7	2.7 (0.106)
22358-PY4-003	L8	2.8 (0.110)
22359-PY4-003	L9	2.9 (0.114)

REVERSE CLUTCH

Part Number	Plate No.	Thickness mm (in)
22451-PY4-003	R1	4.1 (0.161)
22452-PY4-003	R2	4.2 (0.165)
22453-PY4-003	R3	4.3 (0.169)
22454-PY4-003	R4	4.4 (0.173)
22455-PY4-003	R5	4.5 (0.177)
22456-PY4-003	R6	4.6 (0.181)
22457-PY4-003	R7	4.7 (0.185)
22458-PY4-003	R8	4.8 (0.189)
22459-PY4-003	R9	4.9 (0.193)

