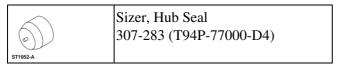
SECTION 307-01: Automatic Transaxle/Transmission DISASSEMBLY AND ASSEMBLY OF SUBASSEMBLIES

2004 Escape Workshop Manual Procedure revision date: 05/08/2003

View (168 KB)

Printable

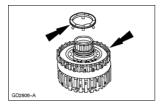
Special Tool(s)



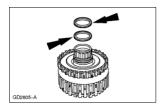
Assembly

1. A CAUTION: The tabs on the No. 2 direct clutch thrust washer must be seated in the direct clutch support and spring.

Install the No. 2 direct clutch thrust washer on the forward/coast/direct clutch cylinder with the tabs facing downward.



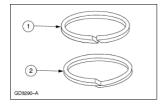
2. Install the two reverse clutch cylinder seals.



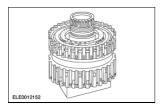
3. **NOTE:** Make sure that the reverse clutch cylinder seals are overlapped correctly.

Position the reverse clutch cylinder seals.

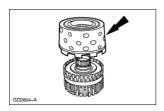
- 1. Correct installation.
- 2. Incorrect installation.



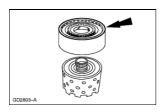
4. Support the forward/coast/direct clutch cylinder assembly on a block of wood so that the direct clutch faces upward.



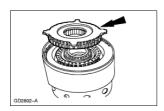
5. Install the direct clutch hub and shell on the forward/coast/direct clutch cylinder.



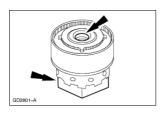
6. Install the reverse clutch drum assembly.



7. Install the reverse clutch hub.



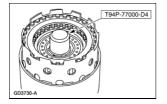
8. Support the reverse clutch drum on a block of wood while installing the reverse clutch hub retaining ring.



9. Install the forward/coast/direct clutch cylinder hub seal.



10. Leave special tool attached until the forward/coast/direct clutch cylinder is installed into the transaxle housing.



SECTION 307-01: Automatic Transaxle/Transmission DISASSEMBLY AND ASSEMBLY OF SUBASSEMBLIES

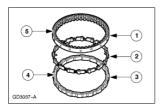
2004 Escape Workshop Manual Procedure revision date: 05/08/2003

Low One-Way Clutch Assembly

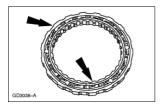
Printable View (104 KB)

Disassembly

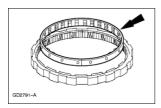
- 1. Inspect the low one-way clutch components:
 - 1. Low one-way clutch inner race.
 - 2. Roller assembly.
 - 3. Low one-way clutch outer race.
 - 4. Outer race groove.
 - 5. Inner race groove.



2. Position the low one-way clutch so the inner and outer race grooves are facing upward.



3. Remove the inner race.



4. Remove the roller assembly.



5. A WARNING: Air pressure must not exceed 138 kPa (20 psi). Wear safety glasses when using compressed air. Failure to follow these instructions can result in personal injury.

Clean all parts thoroughly in clean solvent and blow dry with moisture-free regulated compressed air.

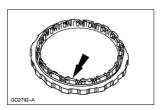
- 6. Inspect the low one-way clutch parts for damage and wear.
 - Outer race
 - Sprag assembly

- Inner race
- Lubrication holes

Assembly

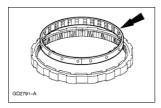
1. **NOTE:** Outer tabs of the roller assembly must face up.

Install the roller assembly into the outer race with the groove facing up.

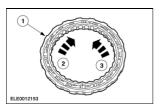


2. **NOTE:** To aid in inner race installation, rotate the inner race clockwise during installation.

Install the inner race with the grooves facing up.



- 3. Check the operation of the one-way clutch as follows:
 - 1. Hold the outer race.
 - 2. Rotate the inner race clockwise. It should rotate with a slight drag without attempting to rotate the outer race
 - 3. Rotate the inner race counterclockwise. The inner race should rotate the outer race.



SECTION 307-01: Automatic Transaxle/Transmission DISASSEMBLY AND ASSEMBLY OF SUBASSEMBLIES

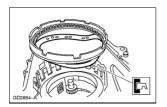
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Low/Reverse Piston

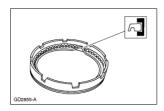
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Disassembly

1. Remove and discard the low/reverse clutch piston outer seal on the low/reverse clutch piston.

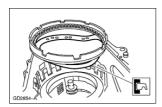


2. Remove and discard the low/reverse clutch piston inner seal on the low/reverse clutch piston.

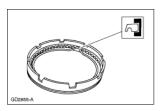


Assembly

1. Install the low/reverse clutch piston outer seal on the low/reverse clutch piston.



2. Install the low/reverse clutch piston inner seal on the low/reverse clutch piston.



Low/Reverse Piston Printable View (43 KB)

Main Control Valve Body

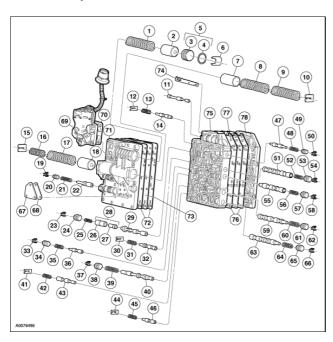
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Special Tool(s)



Alignment Pins, Valve Body 307-299 (T94P-77000-N)

Disassembly

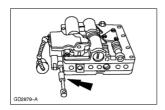


Item	Part Number	Description
1		Spring 2/4 accumulator valve
2		Accumulator main control
3		Plug 2/4 accumulator valve
4	7H223	Seal 2/4 accumulator body
5		Plug assembly 2/4 accumulator valve
6		Plate spring retaining
7		Accumulator main control
8		Spring forward accumulator (outer)
9		Spring forward accumulator (inner)
10		Plate spring retainer
11		Valve manual control
12		Plate spring retaining
13		Spring solenoid regulator valve
14		Valve solenoid regulator
15		Spring retaining
16		Spring low/reverse accumulator (inner)

17	Spring law/rayarsa agamulatar (autar)
18	Spring low/reverse accumulator (outer) Accumulator main control
19	Retainer valve plug
20	Plug valve retainer
21	Spring 3-2 timing valve
22	Valve 3-2 timing
23	Retainer valve plug
24	Plug valve retainer
25	Spring bypass clutch control valve
26	Sleeve bypass clutch control
27	Plunger clutch control valve
28	Valve assembly bypass control valve
29	Valve bypass clutch control
30	Plate spring retaining
31	Spring converter regulator valve
32	Valve converter regulator
33	Retainer valve plug
34	Plug valve retainer
35	Spring coast clutch shift
36	Valve line modulator
37	Retainer valve plug
38	Plug valve retainer
39	Spring fluid pressure regulator valve
40	Valve main regulator
41	Plate spring retaining
42	Spring servo release shuttle valve
43	Valve servo release shuttle
44	Plate spring retaining
45	Spring coast clutch shift valve
46	Valve line modulator
47	Valve low/reverse modulator
48	Spring modulator valve
49	Plug valve retainer
50	Retainer valve plug
51	Valve 1-2 shift
52	Spring valve
53	Plug valve retainer
54	Retainer valve plug
55	Valve 3-2 control
56	Spring valve
57	Plug valve retainer
58	Retainer valve plug
59	Valve 2-3 shift
60	Spring valve
υU	opinig valve

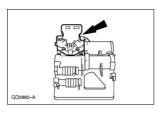
	Plug valve retainer
	Retainer valve plug
	Valve 3-4 shift
	Spring valve shift
	Plug valve retainer
	Retainer valve plug
	Plate pressure tap
7H251	Gasket pressure tap plate
7G391	Solenoid valve body transmission control
7H200	Gasket electronic control body
	Body accumulator
7H202	Gasket accumulator body separator plate
	Plate accumulator body separator
	Spring assembly manual valve detent
	Body main control lower
7D100	Gasket control valve body separator plate
	Plate control valve separator
	Plate case-to-main control transfer
	7G391 7H200 7H202

1. Remove the manual valve.

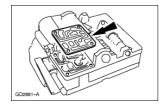


2. **A** CAUTION: Do not attempt to remove the solenoid valve body wiring cover.

Remove the two solenoid valve body bolts and the solenoid valve body.



3. Remove and discard the solenoid valve body gasket.



4. Remove the three pressure tap plate bolts and the pressure tap plate.