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## 1995 FORD Escort Wagon OEM Service and Repair Workshop Manual

[Go to manual page](#)

	Installation).
	<p>DISASSEMBLE and INSPECT the main control valve body and separator plate passages for debris, blockage and leaks. CLEAN as necessary.</p> <p>REFER to: <a href="#">Main Control Valve Body</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Removal and Installation).</p>
E clutch hydraulic circuit blocked/leaking	<p>CARRY OUT the air pressure test on the E clutch.</p> <p>REFER to: <a href="#">Special Testing Procedures</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Diagnosis and Testing).</p> <p>If a leak is detected, INSPECT the seals on the output shaft, the seals on the input shaft and the E clutch piston seals for leaks. INSTALL new components as necessary. REFER to: <a href="#">Transmission</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Overhaul).</p>
E clutch hub, shell and sun gear no. 4	<p>DISASSEMBLE and INSPECT the E clutch hub and shell and sun gear no. 4 for wear and damage. INSTALL new components as necessary.</p> <p>REFER to: <a href="#">Transmission</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Overhaul).</p>
E clutch piston seals	<p>DISASSEMBLE and INSPECT the E clutch piston seals for wear and damage. INSTALL new components as necessary.</p> <p>REFER to: <a href="#">Transmission</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Overhaul).</p>
E clutch friction plates	<p>DISASSEMBLE and INSPECT the E clutch friction and steel plates for wear and damage. INSTALL new components as necessary.</p> <p>REFER to: <a href="#">Transmission</a></p>

	E clutch friction plates	<p>DISASSEMBLE and INSPECT the E clutch friction and steel plates for wear and damage. INSTALL new components as necessary.</p> <p>REFER to: <a href="#">Transmission</a></p> <p>(307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Overhaul).</p>
E clutch delayed/soft/slipping apply	Incorrect transmission strategy programmed into PCM (powertrain control module) / TCM (transmission control module) .	<p>CARRY OUT the Transmission Strategy Download and the Adaptive Learning Drive Cycle.</p> <p>REFER to: <a href="#">Transmission Strategy Download</a></p> <p>(307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, General Procedures).</p> <p>REFER to: <a href="#">Adaptive Learning Drive Cycle</a></p> <p>(307-01B Automatic Transmission - 10-Speed Automatic Transmission – 10R80 MHT, General Procedures).</p>
	Low line pressure	<p>CARRY OUT the line pressure test. If line pressure is low, REFER to the Line Pressure Diagnosis Chart.</p> <p>REFER to: <a href="#">Special Testing Procedures</a></p> <p>(307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Diagnosis and Testing).</p>
	SSE (shift solenoid E) mechanically sticking	<ul style="list-style-type: none"> <li>• CARRY OUT the PCM (powertrain control module) / TCM (transmission control module) - Transmission Accelerated Main Control Break In Routine <b>3 times</b> using the diagnostic scan tool.</li> <li>• CARRY OUT the adaptive learning drive cycle procedure. REFER to: <a href="#">Adaptive Learning Drive Cycle</a>(307-01B Automatic Transmission - 10-Speed Automatic Transmission – 10R80 MHT, General Procedures).</li> <li>• If the Transmission Accelerated Main Control Break In Routine and adaptive learning drive</li> </ul>

		<p>REFER to: <a href="#">Special Testing Procedures</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Diagnosis and Testing).</p> <p>If a leak is detected, INSPECT the seals on the output shaft, the seals on the input shaft and the E clutch piston seals for leaks. INSTALL new components as necessary. REFER to: <a href="#">Transmission</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Overhaul).</p>
	E clutch piston seals	<p>DISASSEMBLE and INSPECT the E clutch piston seals for wear and damage. INSTALL new components as necessary.</p> <p>REFER to: <a href="#">Transmission</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Overhaul).</p>
	E clutch friction plates	<p>DISASSEMBLE and INSPECT the E clutch friction and steel plates for wear and damage. INSTALL new components as necessary.</p> <p>REFER to: <a href="#">Transmission</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Overhaul).</p>
E clutch harsh apply	Incorrect transmission strategy programmed into PCM (powertrain control module) / TCM (transmission control module) .	<p>CARRY OUT the Transmission Strategy Download and the Adaptive Learning Drive Cycle.</p> <p>REFER to: <a href="#">Transmission Strategy Download</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, General Procedures).</p> <p>REFER to: <a href="#">Adaptive Learning Drive Cycle</a> (307-01B Automatic Transmission - 10-Speed Automatic Transmission – 10R80 MHT, General Procedures).</p>
	High line pressure	<p>CARRY OUT the line pressure test. If line pressure is high, REFER to the Line Pressure Diagnosis Chart.</p> <p>REFER to: <a href="#">Special Testing Procedures</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Diagnosis and</p>

	<p>control valve. If the bore or valve is damaged or worn, INSTALL a new main control valve body.</p> <p>REFER to: <a href="#">Main Control Valve Body</a>(307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Removal and Installation).</p>
E clutch hydraulic circuit blocked/leaking	<p>DISASSEMBLE and INSPECT the main control valve body and separator plate passages for debris, blockage and leaks. CLEAN as necessary.</p> <p>REFER to: <a href="#">Main Control Valve Body</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Removal and Installation).</p>
E clutch piston return spring	<p>DISASSEMBLE and INSPECT the E clutch piston return spring for damage. INSTALL new components as necessary.</p> <p>REFER to: <a href="#">Transmission</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Overhaul).</p>
E clutch friction plates	<p>DISASSEMBLE and INSPECT the E clutch friction and steel plates for wear and damage. INSTALL new components as necessary.</p> <p>REFER to: <a href="#">Transmission</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Overhaul).</p>

	(307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Removal and Installation).
F clutch latch valve stuck OFF	<p>DISASSEMBLE, CLEAN and INSPECT the F clutch latch valve. If the bore or valve is damaged, INSTALL a new main control valve body.</p> <p>REFER to: <a href="#">Main Control Valve Body</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Removal and Installation).</p>
	<p>DISASSEMBLE and INSPECT the main control valve body and separator plate passages for debris, blockage and leaks. CLEAN as necessary.</p> <p>REFER to: <a href="#">Main Control Valve Body</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Removal and Installation).</p>
F clutch hydraulic circuit blocked/leaking	<p>CARRY OUT the air pressure test on the F clutch.</p> <p>REFER to: <a href="#">Special Testing Procedures</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Diagnosis and Testing).</p> <p>If a leak is detected, INSPECT the front support assembly, input shaft Teflon seals and F clutch piston seals for leaks. INSTALL new components as necessary. REFER to: <a href="#">Transmission</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Overhaul).</p>
CDF clutch cylinder, clutch and planetary carrier, ring gear no. 4	<p>DISASSEMBLE and INSPECT the CDF clutch cylinder, the clutch and planetary carrier and ring gear no. 4 for wear and damage. INSTALL new components as necessary.</p> <p>REFER to: <a href="#">Transmission</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Overhaul).</p>

		(307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Removal and Installation).
	CDF clutch cylinder, clutch and planetary carrier, ring gear no. 4	DISASSEMBLE and INSPECT the CDF clutch cylinder, the clutch and planetary carrier and ring gear no. 4 for wear and damage. INSTALL new components as necessary. REFER to: <a href="#">Transmission</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Overhaul).
	F clutch piston return spring	DISASSEMBLE and INSPECT the F clutch piston return spring for damage. INSTALL new components as necessary. REFER to: <a href="#">Transmission</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Overhaul).
	F clutch friction plates	DISASSEMBLE and INSPECT the F clutch friction and steel plates for wear and damage. INSTALL new components as necessary. REFER to: <a href="#">Transmission</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Overhaul).
F clutch delayed/soft/slipping apply	Incorrect transmission strategy programmed into PCM (powertrain control module) / TCM (transmission control module) .	CARRY OUT the Transmission Strategy Download and the Adaptive Learning Drive Cycle. REFER to: <a href="#">Transmission Strategy Download</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, General Procedures). REFER to: <a href="#">Adaptive Learning Drive Cycle</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, General Procedures).
	Low line pressure	CARRY OUT the line pressure test. If line pressure is low, REFER to the Line Pressure Diagnosis Chart. REFER to: <a href="#">Special Testing Procedures</a>

	<p>cycle procedure do not correct the fault, DISASSEMBLE, CLEAN and INSPECT the F clutch control valve. If the bore or valve is damaged, INSTALL a new main control valve body.</p> <p>REFER to: <a href="#">Main Control Valve Body</a>(307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Removal and Installation).</p>
<p>F clutch latch valve sticking</p>	<ul style="list-style-type: none"> <li>• CARRY OUT the PCM (powertrain control module) / TCM (transmission control module) - Transmission Accelerated Main Control Break In Routine <b>3 times</b> using the diagnostic scan tool.</li> <li>• CARRY OUT the adaptive learning drive cycle procedure. REFER to: <a href="#">Adaptive Learning Drive Cycle</a>(307-01B Automatic Transmission - 10-Speed Automatic Transmission – 10R80 MHT, General Procedures).</li> <li>• If the Transmission Accelerated Main Control Break In Routine and adaptive learning drive cycle procedure do not correct the fault, DISASSEMBLE, CLEAN and INSPECT the F clutch latch valve. If the bore or valve is damaged, INSTALL a new main control valve body. REFER to: <a href="#">Main Control Valve Body</a>(307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Removal and Installation).</li> </ul>
<p>F clutch hydraulic circuits blocked/leaking</p>	<p>DISASSEMBLE and INSPECT the main control valve body and separator plate passages for debris, blockage and leaks. CLEAN as necessary.</p> <p>REFER to: <a href="#">Main Control Valve Body</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Removal and</p>



REFER to: [Special Testing Procedures](#)  
(307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Diagnosis and Testing).

SSF (shift solenoid F)  
mechanically sticking

- CARRY OUT the PCM (powertrain control module) / TCM (transmission control module) - Transmission Accelerated Main Control Break In Routine  
**3 times**  
using the diagnostic scan tool.
- CARRY OUT the adaptive learning drive cycle procedure.  
REFER to: [Adaptive Learning Drive Cycle](#)(307-01B Automatic Transmission - 10-Speed Automatic Transmission – 10R80 MHT, General Procedures).
- If the Transmission Accelerated Main Control Break In Routine and adaptive learning drive cycle procedure do not correct the fault, INSTALL a new solenoid.  
REFER to: [Shift Solenoids \(SS\)](#)(307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Removal and Installation).

F clutch control valve sticking

- CARRY OUT the PCM (powertrain control module) / TCM (transmission control module) - Transmission Accelerated Main Control Break In Routine  
**3 times**  
using the diagnostic scan tool.
- CARRY OUT the adaptive learning drive cycle procedure.  
REFER to: [Adaptive Learning Drive Cycle](#)(307-01B Automatic Transmission - 10-Speed Automatic Transmission – 10R80 MHT, General Procedures).

		(307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Removal and Installation).
	F clutch piston return spring	DISASSEMBLE and INSPECT the F clutch piston return spring for damage. INSTALL new components as necessary. REFER to: <a href="#">Transmission</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Overhaul).
	F clutch friction plates	DISASSEMBLE and INSPECT the F clutch friction and steel plates for wear and damage. INSTALL new components as necessary. REFER to: <a href="#">Transmission</a> (307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Overhaul).

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