

	F clutch piston seals	DISASSEMBLE and INSPECT the F clutch piston seals for wear and damage. INSTALL new components as necessary. REFER to: Transmission (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 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: Transmission (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, Overhaul).
F clutch harsh apply	Incorrect transmission strategy programmed into PCM/ TCM.	CARRY OUT the Transmission Strategy Download and the Adaptive Learning Drive Cycle. REFER to: Transmission Strategy Download (307-01 Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80) . REFER to: Adaptive Learning Drive Cycle (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, General Procedures).
	High line pressure	CARRY OUT the line pressure test. If line pressure is high, REFER to the Line Pressure Diagnosis Chart. REFER to: Special Testing Procedures (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R60, Diagnosis and Testing).
	SSF mechanically sticking	INSTALL a new solenoid. REFER to: Shift Solenoids (SS) (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R60, Removal and Installation).
	F clutch control valve sticking	DISASSEMBLE, CLEAN and INSPECT the F clutch control valve. If the bore or valve is damaged, INSTALL a new main control valve body. REFER to: Main Control Valve Body (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, Removal and Installation).
	F clutch latch valve sticking	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: Main Control Valve Body (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, Removal and Installation).
	F clutch hydraulic circuit blocked/leaking	DISASSEMBLE and INSPECT the main control valve body and separator plate passages for debris, blockage and leaks. CLEAN as necessary. REFER to: Main Control Valve Body (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 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: Transmission (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 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: Transmission (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, Overhaul).

Low One-Way Clutch Assembly

Low One Way Clutch

For low one way clutch operation,

REFER to: Low One-Way Clutch Assembly (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R60, Description and Operation).

NOTICE: Do not clean with water or with water-based solvents. Damage to the component may occur.

Remove and inspect the low one way clutch for cracks and damaged splines. The splined section should lock in the direction of the number 1 arrow and rotate freely and smoothly when rotated in the direction of the number 2 arrow. Check for burned or excessively worn surfaces. If any damage is found or if the clutch does not rotate or lock, install a new low one-way clutch and front support and race assembly.



Torque Converter Clutch (TCC)

Torque Converter Clutch (TCC)

For torque converter operation,

REFER to: Torque Converter (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R60, Description and Operation).

Condition	Possible Sources	Action
TCC does not apply	TCC solenoid mechanically stuck OFF	INSTALL a new TCC solenoid. REFER to: Shift Solenoids (SS) (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R60, Removal and Installation).
	TCC priority valve stuck OFF	DISASSEMBLE, CLEAN and INSPECT the TCC priority valve. If the bore, valve or spring is damaged, INSTALL a new main control valve body. REFER to: Main Control Valve Body (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, Removal and Installation).
	TCC regulator valve stuck OFF	DISASSEMBLE, CLEAN and INSPECT the TCC regulator valve. If the bore or valve is damaged, INSTALL a new main control valve body. REFER to: Main Control Valve Body (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, Removal and Installation).
	CONV FD, MDA-TCC, APPLY, REL hydraulic circuit blocked or leaking	DISASSEMBLE and INSPECT the main control valve body and separator plate passages for debris, blockage and leaks. CLEAN as necessary. REFER to: Main Control Valve Body (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, Removal and Installation).
		REMOVE and INSPECT the front support assembly and input shaft Teflon seals for debris, blockage and leaks. REFER to: Torque Converter (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R60, Description and Operation). INSTALL new components as necessary. REFER to: Transmission (307-01 Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80).
	TCC damper missing or damaged.	DISASSEMBLE, CLEAN and INSPECT the TCC damper. If the damper is missing or damaged, INSTALL a new main control valve body. REFER to: Main Control Valve Body (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, Removal and Installation).
	Converter feed blow-off valve missing or damaged	DISASSEMBLE, CLEAN and INSPECT the converter feed blow-off valve. If the valve is missing or damaged, INSTALL a new main control valve body. REFER to: Main Control Valve Body (307-01B Automatic Transmission, Transfer Case and Power Transfer Unit - 10-Speed Automatic Transmission â€“ 10R80, Removal and Installation).