

Intermediate Clutch Assembly

Intermediate Clutch

For intermediate clutch operation,

REFER to: Intermediate Clutch Assembly (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Description and Operation).

For hydraulic circuit identification,

REFER to: Transmission Description - System Operation and Component Description (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Description and Operation).

Intermediate Clutch

Condition	Possible Sources	Action
Intermediate clutch does not apply	Main control valve body to case seal blocked, damaged or missing	INSTALL a new seal. REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal and Installation).
	SSC mechanically stuck OFF	INSTALL a new solenoid. REFER to: Shift Solenoids (SS) (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal and Installation).
	Clutch C regulator valve stuck OFF	DISASSEMBLE, CLEAN and INSPECT the clutch C regulator valve. If the bore or valve is damaged, INSTALL a new main control valve body. REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal and Installation). REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Overhaul).
	CL C, DRIVE, VFS3 hydraulic circuits blocked/leaking	DISASSEMBLE and INSPECT the main control valve body and separator plate passages for debris/blockage/damage. CLEAN as necessary. REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal and Installation). REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Overhaul).
	Center support, intermediate clutch hub/direct clutch drum	DISASSEMBLE and INSPECT the components for wear and damage. CLEAN and/or INSTALL new components as necessary. REFER to: Transmission (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal).
	Intermediate clutch friction plates	DISASSEMBLE and INSPECT the intermediate clutch friction and steel plates. INSTALL new components as necessary. REFER to: Transmission (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal).
	Intermediate clutch piston seals	DISASSEMBLE and INSPECT the intermediate clutch piston seals for damage and wear. INSTALL new components as necessary. REFER to: Transmission (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal).

Intermediate clutch always applied	Main control valve body to case seal blocked, damaged or missing	INSTALL a new seal. REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal and Installation).
	SSC mechanically stuck ON	INSTALL a new solenoid. REFER to: Shift Solenoids (SS) (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal and Installation).
	Clutch C regulator valve stuck ON	DISASSEMBLE, CLEAN and INSPECT the clutch C regulator valve. If the bore or valve is damaged, INSTALL a new main control valve body. REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal and Installation). REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Overhaul).
	CL C, DRIVE, VFS3 hydraulic circuits blocked/leaking	DISASSEMBLE and INSPECT the main control valve body and separator plate passages for debris/blockage damage. CLEAN as necessary. REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal and Installation). REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Overhaul).
	Center support, intermediate clutch hub/direct clutch drum	DISASSEMBLE and INSPECT the components for wear and damage. CLEAN and/or INSTALL new components as necessary. REFER to: Transmission (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal).
	Intermediate clutch friction plates	DISASSEMBLE and INSPECT the intermediate clutch friction and steel plates. INSTALL new components as necessary. REFER to: Transmission (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal).
	Intermediate clutch piston return spring	DISASSEMBLE and INSPECT the intermediate clutch piston return spring for damage. INSTALL new components as necessary. REFER to: Transmission (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal).
Intermediate clutch delayed/soft/slipping apply	Incorrect transmission strategy programmed into PCM.	CARRY OUT the Transmission Strategy Download. REFER to: Transmission Strategy Download (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, General Procedures).
	Main control valve body to case seal blocked, damaged or missing	INSTALL a new seal. REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal and Installation).
	SSC mechanically sticking	INSTALL a new solenoid. REFER to: Shift Solenoids (SS) (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal and Installation).
	Clutch C regulator valve sticking	DISASSEMBLE, CLEAN and INSPECT the clutch C regulator valve. If the bore or valve is damaged, INSTALL a new main control valve body. REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal and Installation). REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Overhaul).
	CL C, DRIVE, VFS3 hydraulic circuits blocked/leaking	DISASSEMBLE and INSPECT the main control valve body and separator plate passages for debris/blockage/damage. CLEAN as necessary. REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal and Installation). REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Overhaul).

	Center support, intermediate clutch hub/direct clutch drum	DISASSEMBLE and INSPECT the components for wear and damage. CLEAN and/or INSTALL new components as necessary. REFER to: Transmission (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal).
	Intermediate clutch friction plates	DISASSEMBLE and INSPECT the intermediate clutch friction and steel plates. INSTALL new components as necessary. REFER to: Transmission (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal).
	Intermediate clutch piston seals	DISASSEMBLE and INSPECT the intermediate clutch piston seals for damage and wear. INSTALL new components as necessary. REFER to: Transmission (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal).
Intermediate clutch harsh apply	Incorrect transmission strategy programmed into PCM.	CARRY OUT the Transmission Strategy Download. REFER to: Transmission Strategy Download (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, General Procedures).
	Main control valve body to case seal blocked, damaged or missing	INSTALL a new seal. REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal and Installation).
	SSC mechanically sticking	INSTALL a new solenoid. REFER to: Shift Solenoids (SS) (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal and Installation).
	Clutch C regulator valve sticking	DISASSEMBLE, CLEAN and INSPECT the clutch C regulator valve. If the bore or valve is damaged, INSTALL a new main control valve body. REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal and Installation). REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Overhaul).
	CL C, DRIVE, VFS3 hydraulic circuits blocked/leaking	DISASSEMBLE and INSPECT the main control valve body and separator plate passages for debris/blockage/damage. CLEAN as necessary. REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal and Installation). REFER to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Overhaul).
	Center support, intermediate clutch hub/direct clutch drum	DISASSEMBLE and INSPECT the components for wear and damage. CLEAN and/or INSTALL new components as necessary. REFER to: Transmission (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal).
	Intermediate clutch friction plates	DISASSEMBLE and INSPECT the intermediate clutch friction and steel plates. INSTALL new components as necessary. REFER to: Transmission (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal).
	Intermediate clutch piston return spring	DISASSEMBLE and INSPECT the intermediate clutch piston return spring for damage. INSTALL new components as necessary. REFER to: Transmission (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission â€“ 6R100, Removal).

