

Fail Safe

- This function prevents a failure in any of the sensors or solenoids from drastically affecting drivability. For details, refer to the repair manual.

List of Failsafe Functions

Failure Location	Function
Output Shaft Speed Sensor (SP2)	If the output shaft speed sensor (SP2) malfunctions, the system uses the NT signals of the input shaft speed sensor to effect shift control.
Transmission Solenoid	The system stops the current to the malfunctioning solenoid and turns the normal solenoids ON or OFF to effect shift control. If all solenoids fail, the system will shift gears through a mechanical fluid pressure circuit.
Fluid Temperature Sensor	The system prohibits shifting into 5th or 6th, and prohibits flex lockup control.
Linear Solenoid (SLU)	The system stops the control current to the solenoid to interrupt lockup control.
Linear Solenoid (SLT)	The system stops the control current to the solenoid. It effects shift control in the normal manner.

Oil Level Detection Mechanism

- The transmission has discontinued the use of the automatic transmission oil filler tube and the level gauge. Instead, it uses a oil level detection mechanism called an "overflow system".
- The manufacturer of the automatic transmission guarantees the proper oil level. This prevents the transmission from being contaminated with the wrong type of oil, or being overfilled or underfilled. Thus, a maintenance-free transmission has been realized.
- During a repair or replacement, the oil level can be adjusted mechanically through the overflow system. Thus, the control accuracy of the oil level has been improved. For detailed oil replenishment and adjustment procedures, refer to the repair manual.

