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TROUBLESHOOTING

Limp Home Mode

Features a fail-safe function that prevents dangerous situations in the event of a transmission failure. The vehicle will be driven in limp home mode if the transmission malfunctions. In this mode, the transmission operates at a minimal functionality level (fixed shifting, limited shifting, reverse, neutral), making it possible for the vehicle to reach a service center.

Information

Limp Home Mode : Limited shifting

Mechanical limp home mode : Fixed shifting (failure of mechanical parts, solenoid valves, TCM, CAN communication)

Trouble symptom	Suspected area	Remedy
Shifting delay, Shifting shock, Poor acceleration	Damaged clutch / brake	Replace the automatic transmission.
	Faulty hydraulic control	Inspect the solenoid valve.
	Faulty hydraulic supply	Inspect the fluid level.
		Inspect the fluid cleanliness.
	TCM learning not performed	Perform the TCM adaptive value learning.
Gear lamp (P/R/N/D) of cluster is flashed	Oil pressure characteristics learning not performed	Perfrom the oil pressure characteristics learning.
Mechanical limp home mode (locked into 5th)	Faulty Solenoid valve	Replace the automatic transmission.
	Faulty connector connection	Inspect the connector connection.
		Replace the E-module
Limp home mode (locked into 5th, 2nd-5th manual shifting enabled)	Faulty TCM	Replace the TCM
	Faulty input speed sensor	Replace the E-module
	Faulty output speed sensor	Replace the E-module
	Faulty connector connection	Inspect the connector connection.
		Replace the E-module
Manual shifting disabled	Faulty TCM	Replace the TCM.
	Faulty connector connection	Check the connection of manual mode connector.

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