

2012 - Mazda6 - Transmission/ Transaxle

NO.5 NO CREEP AT ALL [FS5A-EL]

5	No creep at all
DESCRIPTION	Vehicle does not move in D, M and R position when idling on a flat paved road.
POSSIBLE CAUSE	- Either transaxle is stuck in 3GR or 4GR position, or there is clutch circuit slippage due to a stuck 3-4 clutch. - Clutch slippage, burnt - Line pressure low - Shift solenoid D malfunction - Shift solenoid A malfunction - Shift solenoid B malfunction - Shift solenoid C malfunction - Pressure control solenoid A malfunction - Body GND malfunction - Control valve body malfunction - Transaxle fixed in 3GR (Operation of fail-safe function) - Short or open circuit in wiring harness - Poor connection of connector - Malfunction of electronic parts of output and input system - There is no engine torque - Torque converter malfunction NOTE: - Before following the troubleshooting steps, make sure that the Automatic Transaxle On-Board Diagnostic and Automatic Transaxle Basic Inspection are conducted.

Diagnostic procedure

STEP	INSPECTION	ACTION	
1	INSPECT SELECTOR CABLE ADJUSTMENT FOR MALFUNCTION Does the vehicle creep in any position?	Yes	Go to the next step.
		No	Inspect or adjust the selector cable. (See AUTOMATIC TRANSAXLE SHIFT MECHANISM REMOVAL/ INSTALLATION.)
2	INSPECT THROTTLE OPENING SIGNAL FOR MALFUNCTION - Inspect the value at the following TCM PID using the M-MDS. (See ON-BOARD DIAGNOSTIC SYSTEM PID/ DATA MONITOR INSPECTION [FS5A-EL].) - THOP - Is the PID value normal?	Yes	Go to the next step.
		No	Repair or replace any malfunctioning parts.
3	INSPECT TCM FOR POOR GND - Disconnect the TCM connector. - Is the resistance between the ground terminal at the TCM connector and the body ground less than 5.0 ohms?	Yes	Go to the next step.
		No	Repair open ground circuit.
4	INSPECT LINE PRESSURE CONTROL SIGNAL FOR MALFUNCTION - Inspect the value at the following TCM PID using the M-MDS. (See ON-BOARD DIAGNOSTIC SYSTEM PID/ DATA MONITOR INSPECTION [FS5A-EL].) - LPS - Is the LPS PID value normal?	Yes	Go to the next step.
		No	Repair or replace any malfunctioning parts.
5	VERIFY IF MALFUNCTION CAUSE IS TORQUE CONVERTER OR TRANSAXLE (INCLUDING CONTROL VALVE BODY) - Perform the stall test. (See MECHANICAL SYSTEM TEST [FS5A-EL].) - Is the stall speed normal?	Yes	Overhaul the control valve body and repair or replace any malfunctioning parts. (See Automatic Transaxle Workshop Manual FS5A-EL.) If any problem remains, overhaul the transaxle and repair or replace any malfunctioning parts. (See Automatic Transaxle Workshop

		Manual FS5A-EL.)
		No Replace the torque converter. (See Automatic Transaxle Workshop Manual FS5A-EL.)
6	• Verify the test results. ▪ If normal, return to the diagnostic index to service any additional symptoms. ▪ If the malfunction remains, inspect the related Service Bulletins and/or On-line Repair Information and perform repair or diagnosis. • If the vehicle is repaired, troubleshooting is completed. • If the vehicle is not repaired or additional diagnostic information is not available, replace the TCM.	

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