

2012 - Mazda6 - Transmission/ Transaxle

NO.5 NO CREEP AT ALL [AY6A-EL]

5	No creep at all
DESCRIPTION	Vehicle does not move in D and R position when idling on a flat paved road.
POSSIBLE CAUSE	- Either engine output low or there is clutch slippage. - Clutch burnt (C1 clutch, C3 clutch) - Line pressure low - Shift solenoid C malfunction - Shift solenoid D malfunction - Shift solenoid E malfunction - Line pressure control solenoid malfunction - Shift solenoid F malfunction - Body ground malfunction - Control valve body malfunction - Transaxle fixed in 3GR or 5GR* (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. (See BASIC INSPECTION [AY6A-EL].)

Diagnostic procedure

STEP	INSPECTION	ACTION
1	INSPECT SELECTOR LEVER AND SELECTOR CABLE ADJUSTMENT FOR MALFUNCTION Does the vehicle creep in P and/or N position?	Yes Inspect or adjust the selector lever and cable. (See SELECTOR LEVER INSPECTION .) (See AUTOMATIC TRANSAXLE SHIFT MECHANISM REMOVAL/ INSTALLATION .)
		No Go to the next step.
2	INSPECT SHIFT SOLENOIDS FOR MALFUNCTION - Stop the engine. - Inspect following solenoid. - Shift solenoid C (See SHIFT SOLENOID C INSPECTION [AY6A-EL].) - Shift solenoid D (See SHIFT SOLENOID D INSPECTION [AY6A-EL].) - Shift solenoid E (See SHIFT SOLENOID E INSPECTION [AY6A-EL].) - Shift solenoid F (See SHIFT SOLENOID F INSPECTION [AY6A-EL].) - Line pressure control solenoid (See LINE PRESSURE CONTROL SOLENOID INSPECTION [AY6A-EL].) - Are these solenoids normal?	Yes Go to the next step.
		No Inspect the coupler component. If normal, replace the control valve body. (See CONTROL VALVE BODY REMOVAL/ INSTALLATION [AY6A-EL] .)
3	VERIFY IF MALFUNCTION CAUSE IS TORQUE CONVERTER OR TRANSAXLE (INCLUDING CONTROL VALVE BODY) - Perform the stall test. (See MECHANICAL SYSTEM TEST [AY6A-EL].) - Is the stall speed within the specified?	Yes Inspect the ATF condition. If large amount of metal specks are found, replace the transaxle. (See AUTOMATIC TRANSAXLE REMOVAL/ INSTALLATION [AY6A-EL] .) If a large amount of metal specks are

		not found, replace the control valve body. (See CONTROL VALVE BODY REMOVAL/ INSTALLATION [AY6A-EL] .)
		No Replace the torque converter. (See TORQUE CONVERTER REMOVAL/ INSTALLATION [AY6A-EL] .)
4	• Verify test results. ▪ If normal, return to the diagnostic index to service any additional symptoms. ▪ If malfunction remains, inspect the related Service Bulletins and/or On-line Repair Information and perform repair or diagnosis. • If the vehicle is repaired, troubleshooting completed. • If the vehicle is not repaired or additional diagnostic information is not available, replace the TCM.	

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If case of shift solenoid C failure

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