

2012 - Mazda6 - Body and Accessories

DTC U0401:68 [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]

DETECTION CONDITION	Keyless control module receive engine state or engine speed data from PCM, while steering is locked
POSSIBLE CAUSE	• PCM malfunction • Keyless control module malfunction

Diagnostic Procedure

Step	Inspection	Action
1	PERFORM ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM DTC INSPECTION • Clear the DTC from keyless control module memory using the M-MDS. (See CLEARING DTC [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .) • Perform the advanced keyless entry and push button start system DTC inspection using the M-MDS. (See DTC INSPECTION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .) • Are the following DTCs present? ▪ B10E7:12 ▪ B10E7:17	Yes Go to the applicable DTC inspection. (See DTC B10E7:12 [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .) (See DTC B10E7:17 [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .)
		No Go to the next step.
2	PERFORM PCM DTC INSPECTION • Perform the PCM DTC inspection	Yes Go to the applicable DTC inspection. (See DTC TABLE [MZR 2.5] .)

	using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [MZR 2.5].) (See ON-BOARD DIAGNOSTIC TEST [MZI 3.7 V6].) Are any DTCs present?		(See DTC TABLE [MZI 3.7 V6].)
		No	Go to the next step.
3	VERIFY TROUBLESHOOTING COMPLETED - Clear the DTC from keyless control module memory using the M-MDS. (See CLEARING DTC [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM].) - Switch the ignition to off, then open the door to lock the steering. - Perform the advanced keyless entry and push button start system DTC inspection using the M-MDS. (See DTC INSPECTION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM].) - Is the same DTC present?	Yes	Replace the keyless control module, then go to the next step. (See KEYLESS CONTROL MODULE REMOVAL/ INSTALLATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM].)
		No	Go to the next step.
4	VERIFY THAT NO OTHER DTCs ARE PRESENT Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM].)
		No	DTC troubleshooting completed.

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