

2012 - Mazda6 - Body and Accessories

DTC B102B:51 [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]

DETECTION CONDITION	There is no record that an advanced key was programed (programming is never performed in past) NOTE: If the advanced key has never been programmed, DTC B102B:51 cannot be detected even if the advanced key is cleared.
POSSIBLE CAUSE	- Advanced key is not programmed - Keyless control module malfunction

Diagnostic Procedure

Step	Inspection	Action
1	VERIFY NUMBER OF PROGRAMMED ADVANCED KEYS - Perform the PID/data monitor inspection using the M-MDS. (See PID/ DATA MONITOR INSPECTION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .) - NUMCARD (See PID/ DATA MONITOR TABLE [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .) - Is there a programmed advanced key?	Yes Go to the next step. No Program a new advanced key, then go to the next step. (See ADVANCED KEY ID CODE REGISTRATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .)
2	VERIFY TROUBLESHOOTING COMPLETED Clear the DTC from keyless control	Yes Replace the keyless control module, then go to the next step. (See KEYLESS CONTROL MODULE

	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] .) • Is the same DTC present?		REMOVAL/ INSTALLATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .)
		No	Go to the next step.
3	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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