

2012 - Mazda6 - Body and Accessories

SECURITY LIGHT: 22, DTC: B10DA:51/ P1260:00 [IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)]

DTC	Security light flashing pattern		22	Communication error between keyless control module and PCM (data transfer error)
	M-MDS display	Keyless control module	B10DA:51	
		PCM	P1260:00	
POSSIBLE CAUSE				• Malfunction in wiring harness (CAN line) between keyless control module and PCM • The Immobilizer system-related parts have not been programmed after replacing the keyless control module • Keyless control module malfunction • PCM malfunction

Diagnostic Procedure

Step	Inspection		Action
1	PERFORM DTC INSPECTION - Clear the DTC from the keyless control module and PCM memory using the M-MDS. (See CLEARING DTC [IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)] .) - Perform the immobilizer system (advanced keyless entry and push button start system) DTC inspection using the M-MDS. (See DTC INSPECTION [IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND	Yes	Go to the applicable DTC inspection.
		No	Go to the next step.

	PUSH BUTTON START SYSTEM)] .) - Are the following DTCs present? - U0001:88		
2	VERIFY WHETHER PROGRAMMING OF IMMOBILIZER SYSTEM-RELATED PARTS HAS BEEN PERFORMED AFTER REPLACE KEYLESS CONTROL MODULE After replace the keyless control module, has the programming of immobilizer system-related parts been performed?	Yes	Go to the next step.
		No	Perform the programming of immobilizer system-related parts after replace the keyless control module only, then go to the next step. (See IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .)
3	PERFORM DTC INSPECTION - Clear the DTC from the keyless control module and PCM memory using the M-MDS. (See CLEARING DTC [IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)] .) - Perform the immobilizer system (advanced keyless entry and push button start system) DTC inspection using the M-MDS. (See DTC INSPECTION [IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)] .) - Is the same DTC present?	Yes	Perform the programming of immobilizer system-related parts after replace the PCM only, then go to the next step. (See IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .)
		No	Go to Step 6.
4	PERFORM DTC INSPECTION - Clear the DTC from the keyless control module and PCM memory using the M-MDS. (See CLEARING DTC [IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)] .) - Perform the immobilizer system (advanced keyless entry and push button start system) DTC inspection using the M-MDS. (See DTC INSPECTION [IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)] .)	Yes	Replace the PCM and program the immobilizer system-related parts, then go to the next step. (See PCM REMOVAL/ INSTALLATION [MZR 2.5] .) (See PCM REMOVAL/ INSTALLATION [MZI 3.7 V6] .) (See IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .)
		No	Go to Step 6.

	Is the same DTC present?		
5	VERIFY TROUBLESHOOTING COMPLETED - Clear the DTC from the keyless control module and PCM memory using the M-MDS. (See CLEARING DTC [IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)].) - Perform the immobilizer system (advanced keyless entry and push button start system) DTC inspection using the M-MDS. (See DTC INSPECTION [IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)].) - Is the same DTC present?	Yes	Replace the keyless control module and program the immobilizer system-related parts, then go to the next step. (See KEYLESS CONTROL MODULE REMOVAL/ INSTALLATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM].) (See IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM].)
		No	Go to the next step.
6	VERIFY THAT NO OTHER DTCs ARE PRESENT Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)].)
		No	DTC troubleshooting completed.

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	PUSH BUTTON START SYSTEM)] .) - Are the following DTCs present? - U0001:88		
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	Is the same DTC present?		
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