

2012 - Mazda6 - Body and Accessories

SECURITY LIGHT: 22, DTC: B10DA:51/ P1260:00 [IMMOBILIZER SYSTEM (KEYLESS ENTRY SYSTEM)]

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

Diagnostic Procedure

Step	Inspection		Action
1	PERFORM DTC INSPECTION • Clear the DTC from the instrument cluster and PCM memory using the M-MDS. (See CLEARING DTC [IMMOBILIZER SYSTEM (KEYLESS ENTRY SYSTEM)] .) • Perform the immobilizer system (keyless entry system) DTC inspection using the M-MDS. (See DTC INSPECTION [IMMOBILIZER SYSTEM (KEYLESS ENTRY SYSTEM)] .) • Are the following DTCs present? ▪ U0001:88	Yes	Go to the applicable DTC inspection.
		No	Go to the next step.

2	VERIFY WHETHER PROGRAMMING OF IMMOBILIZER SYSTEM-RELATED PARTS HAS BEEN PERFORMED AFTER REPLACE INSTRUMENT CLUSTER After replace the instrument cluster, 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 instrument cluster only, then go to the next step. (See IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [KEYLESS ENTRY SYSTEM] .)
3	PERFORM DTC INSPECTION - Clear the DTC from the instrument cluster and PCM memory using the M-MDS. (See CLEARING DTC [IMMOBILIZER SYSTEM (KEYLESS ENTRY SYSTEM)] .) - Perform the immobilizer system (keyless entry system) DTC inspection using the M-MDS. (See DTC INSPECTION [IMMOBILIZER SYSTEM (KEYLESS ENTRY 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 [KEYLESS ENTRY SYSTEM] .) No Go to Step 6.
4	PERFORM DTC INSPECTION - Clear the DTC from the instrument cluster and PCM memory using the M-MDS. (See CLEARING DTC [IMMOBILIZER SYSTEM (KEYLESS ENTRY SYSTEM)] .) - Perform the immobilizer system (keyless entry system) DTC inspection using the M-MDS. (See DTC INSPECTION [IMMOBILIZER SYSTEM (KEYLESS ENTRY SYSTEM)] .) - Is the same DTC present?	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 [KEYLESS ENTRY SYSTEM] .) No Go to Step 6.
5	VERIFY TROUBLESHOOTING COMPLETED Clear the DTC from the instrument cluster and PCM memory using the M-MDS. (See CLEARING DTC [IMMOBILIZER SYSTEM (KEYLESS ENTRY SYSTEM)] .)	Yes Replace the instrument cluster and program the immobilizer system-related parts, then go to the next step. (See INSTRUMENT CLUSTER REMOVAL/ INSTALLATION .) (See IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [KEYLESS ENTRY

	- Perform the immobilizer system (keyless entry system) DTC inspection using the M-MDS. (See DTC INSPECTION [IMMOBILIZER SYSTEM (KEYLESS ENTRY SYSTEM)].) - Is the same DTC present?	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 (KEYLESS ENTRY SYSTEM)] .)
		No DTC troubleshooting completed.

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