

2012 - Mazda6 - Body and Accessories

SECURITY LIGHT: 16, DTC: U0100:87/ P1260:00 [IMMOBILIZER SYSTEM (KEYLESS ENTRY SYSTEM)]

DTC	Security light flashing pattern		16	Communication error between instrument cluster and PCM (no response)
	M-MDS display	Instrument cluster	U0100:87	
		PCM	P1260:00	
POSSIBLE CAUSE				• Malfunction in wiring harness (CAN line) between instrument cluster and PCM • PCM malfunction • Instrument cluster 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	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 4.
3	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)].) - 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 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 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 [IMMOBILIZER SYSTEM (KEYLESS ENTRY SYSTEM)].) No DTC troubleshooting completed.

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		No Go to the next step.

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