

2012 - Mazda6 - Body and Accessories

SECURITY LIGHT: 14, DTC: B10D7:81/ P1260:00 [IMMOBILIZER SYSTEM (KEYLESS ENTRY SYSTEM)]

DTC	Security light flashing pattern		14	Instrument cluster cannot read key ID number data normally
	M-MDS display	Instrument cluster	B10D7:81	
		PCM	P1260:00	
POSSIBLE CAUSE				• Connector or terminal malfunction • Transponder (key) malfunction • If any of the following items are touching or near key head, signal communication between key and vehicle is negatively affected, resulting in engine not starting ▪ Spare keys ▪ Keys for other vehicles equipped with an immobilizer system ▪ Any metallic object ▪ Any electronic device, or any credit or other card with magnetic strips

EXAMPLES:



METAL RING LYING ON KEY HEAD



METAL PART OF ANOTHER
KEY TOUCHING KEY HEAD



KEY IS NEAR OR TOUCHING
ANOTHER IMMOBILIZER SYSTEM KEY

- Coil antenna malfunction
- PCM malfunction
- Instrument cluster malfunction

Diagnostic Procedure

Step	Inspection	Action
1	INSPECT COIL ANTENNA CONNECTOR CONDITION • Switch the ignition to off. • Disconnect the negative battery cable. • Disconnect the coil antenna connector. • Inspect the connector and terminals (corrosion, damage, pin disconnection). • Is there any malfunction?	Yes Repair or replace the connector or terminals, then go to the next step.
		No Go to the next step.
2	VERIFY THAT THERE IS A VALID KEY • Are there any valid keys which can start the engine other than	Yes Go to the next step.
		No Program an additional key referring to the immobilizer system-related parts programming,

	the cause of the displayed DTC?		then go to the next step. (See IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [KEYLESS ENTRY SYSTEM] .)
3	PERFORM DTC INSPECTION • Reconnect the disconnected connector. • Reconnect the negative battery cable. • Switch the ignition to ON using the valid key other than the cause of the displayed DTC (engine off). • 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 coil antenna, then go to the next step. (See COIL ANTENNA REMOVAL/ INSTALLATION [KEYLESS ENTRY SYSTEM] .)
		No	Dispose of the malfunctioning key and program a new key if necessary, then go to Step 6. (See IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [KEYLESS ENTRY SYSTEM] .)
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	Yes	Replace the instrument cluster and program the immobilizer system-related parts, then go to

	• 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?	the next step. (See INSTRUMENT CLUSTER REMOVAL/ INSTALLATION.) (See IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [KEYLESS ENTRY SYSTEM].) No Go to the next step.
6	VERIFY THAT NO OTHER DTCs ARE PRESENT • Are any DTCs present?	YesGo to the applicable DTC inspection. (See DTC TABLE [IMMOBILIZER SYSTEM (KEYLESS ENTRY SYSTEM)].) No DTC troubleshooting completed.

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