

2012 - Mazda6 - Body and Accessories

SECURITY LIGHT: 14, DTC: B10D7:81/ P1260:00 [IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)]

DTC	Security light flashing pattern		14	Keyless control module cannot read key ID number data normally
	M-MDS display	Keyless control module	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
- Keyless control module 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	Yes Go to the next step.

	Are there any valid keys which can start the engine other than the cause of the displayed DTC?	No	Program an additional key referring to the immobilizer system-related parts programming, then go to the next step. (See IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .)
3	PERFORM DTC INSPECTION - Reconnect the disconnected connectors. - Reconnect the negative battery cable. - 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 coil antenna, then go to the next step. (See COIL ANTENNA REMOVAL/ INSTALLATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START 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 [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .)
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)] .) - 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 [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .)
		No	Go to Step 6.
5	VERIFY TROUBLESHOOTING COMPLETED	Yes	Replace the keyless control module and program the immobilizer system-related

	• 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?		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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		No	Go to Step 6.
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	• 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?		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] .)
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