

2012 - Mazda6 - Body and Accessories

SECURITY LIGHT: 13, DTC: B10D7:94/ P1260:00 [IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)]

NOTE:

- If the BCM configuration and DTC inspection for the following modules are performed, the keyless control module will be temporarily unable to read the key code due to the signal from the M-MDS. As a result, DTC B10D7:94 is stored in the keyless control module.
 - KOEO/KOER self test (PCM)
 - ABS (DSC HU/CM)
 - BCM
 - EPS (EPS control module)
 - RCM (SAS control module)
 - RKE (keyless control module)

DTC	Security light flashing pattern		13	Key ID number data cannot be read
	M-MDS display	Keyless control module	B10D7:94	
		PCM	P1260:00	
				• There is no transponder in the key • Transponder malfunction (key code is not output) • Coil antenna malfunction • Keyless control module 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 immobilizer system ▪ Any metallic object

POSSIBLE CAUSE	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	PERFORM DTC INSPECTION - Clear the DTC from the keyless control module and PCM memory using the M-MDS. (See CLEARING DTC [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	Yes Perform the security light: 13, DTC: B10D7:05/P1260:00 inspection. (See SECURITY LIGHT: 13, DTC: B10D7:05/ P1260:00 [IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)] .)
		No Go to the next step.

	[IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)] .) - Is the following DTC present? - Instrument cluster: B10D7:05 - PCM: P1260:00		
2	VERIFY THAT THERE IS A VALID KEY Are there any valid keys which can start the engine other than the cause of the displayed DTC?	Yes	Go to the next step.
		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 - Switch the ignition to ON using the valid key other than the cause of the displayed DTC (engine off). - Clear the DTC from the keyless control module and PCM memory using the M-MDS. (See CLEARING DTC [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 [ADVANCED KEYLESS ENTRY AND PUSH	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

	BUTTON START SYSTEM] .) - Perform the immobilizer system (advanced keyless entry and push button start system) DTC inspection using the M-MDS. (See DTC INSPECTION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .) - Is the same DTC present?		PROGRAMMING [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .)
		No	Go to Step 6.
5	VERIFY TROUBLESHOOTING COMPLETED - Clear the DTC from the keyless control module and PCM memory using the M-MDS. (See CLEARING DTC [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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	[IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)] .) - Is the following DTC present? - Instrument cluster: B10D7:05 - PCM: P1260:00		
2	VERIFY THAT THERE IS A VALID KEY Are there any valid keys which can start the engine other than the cause of the displayed DTC?	Yes	Go to the next step.
		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] .)
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		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] .)
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