

2012 - Mazda6 - Body and Accessories

SECURITY LIGHT: 15, DTC: B10D7:51/ P1260:00 [IMMOBILIZER SYSTEM (KEYLESS ENTRY SYSTEM)]

DTC	Security light flashing pattern		15	Instrument cluster has detected unprogrammed key ID number
	M-MDS display	Instrument cluster	B10D7:51	
		PCM	P1260:00	
POSSIBLE CAUSE				• No keys have been programmed after replacing instrument cluster • Unprogrammed key used • Programmed a ninth key • PCM malfunction • Instrument cluster malfunction

Diagnostic Procedure

Step	Inspection	Action
1	VERIFY NUMBER OF PROGRAMMED KEYS - Perform the PID/data monitor inspection using the M-MDS for verify the number of programmed keys. (See PID/ DATA MONITOR INSPECTION [IMMOBILIZER SYSTEM (KEYLESS ENTRY SYSTEM)] .) - NUMKEYS (See PID/ DATA MONITOR TABLE [IMMOBILIZER SYSTEM (KEYLESS	Yes Erase the key ID number, then go to the next step. (See IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [KEYLESS ENTRY SYSTEM] .)
		No Go to the next step.

	ENTRY SYSTEM)] .) Are eight keys programmed?		
2	PROGRAM A NEW KEY ID NUMBER - Program a new key ID number. (See IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [KEYLESS ENTRY SYSTEM] .) NOTE: - To start the engine, two or more programmed keys are necessary. - Switch the ignition to ON using the programmed key (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 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	Dispose of the malfunctioning key and program a new key if necessary, then go to Step 4. (See IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [KEYLESS ENTRY SYSTEM] .)
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)] .)	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.

	Is the same DTC present?		
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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