

2012 - Mazda6 - Body and Accessories

SECURITY LIGHT: 15, DTC: B10D7:51/ P1260:00 [IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)]

DTC	Security light flashing pattern		15	Keyless control module has detected unprogrammed key ID number
	M-MDS display	Keyless control module	B10D7:51	
		PCM	P1260:00	
POSSIBLE CAUSE				• No keys have been programmed after replacing keyless control module • Unprogrammed key used • Programmed a ninth key • PCM malfunction • Keyless control module 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 (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)] .) - NUMKEY (See PID/ DATA MONITOR TABLE [IMMOBILIZER SYSTEM (ADVANCED KEYLESS	Yes Erase the key ID number, then go to the next step. (See IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .)
		No Go to the next step.

	ENTRY AND PUSH BUTTON START SYSTEM)] .) • Are eight keys programmed?		
2	PROGRAM A NEW KEY ID NUMBER • Program a new key ID number. (See IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START 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 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 Dispose of the malfunctioning key and program a new key if necessary, then go to Step 4. (See IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .)	
3	VERIFY TROUBLESHOOTING COMPLETED • 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.	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.	

	(See DTC INSPECTION [IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)].) • 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 (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)] .)
		No	DTC troubleshooting completed.

2012 - Mazda6 - Body and Accessories

SECURITY LIGHT: 15, DTC: B10D7:51/ P1260:00 [IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)]

DTC	Security light flashing pattern		15	Keyless control module has detected unprogrammed key ID number
	M-MDS display	Keyless control module	B10D7:51	
		PCM	P1260:00	
POSSIBLE CAUSE				• No keys have been programmed after replacing keyless control module • Unprogrammed key used • Programmed a ninth key • PCM malfunction • Keyless control module 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 (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)] .) - NUMKEY (See PID/ DATA MONITOR TABLE [IMMOBILIZER SYSTEM (ADVANCED KEYLESS	Yes Erase the key ID number, then go to the next step. (See IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .)
		No Go to the next step.

	ENTRY AND PUSH BUTTON START SYSTEM)] .) • Are eight keys programmed?		
2	PROGRAM A NEW KEY ID NUMBER • Program a new key ID number. (See IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START 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 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 Dispose of the malfunctioning key and program a new key if necessary, then go to Step 4. (See IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .)	
3	VERIFY TROUBLESHOOTING COMPLETED • 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.	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.	

	(See DTC INSPECTION [IMMOBILIZER SYSTEM (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)].) 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 (ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM)] .)
		No	DTC troubleshooting completed.