

2012 - Mazda6 - Body and Accessories

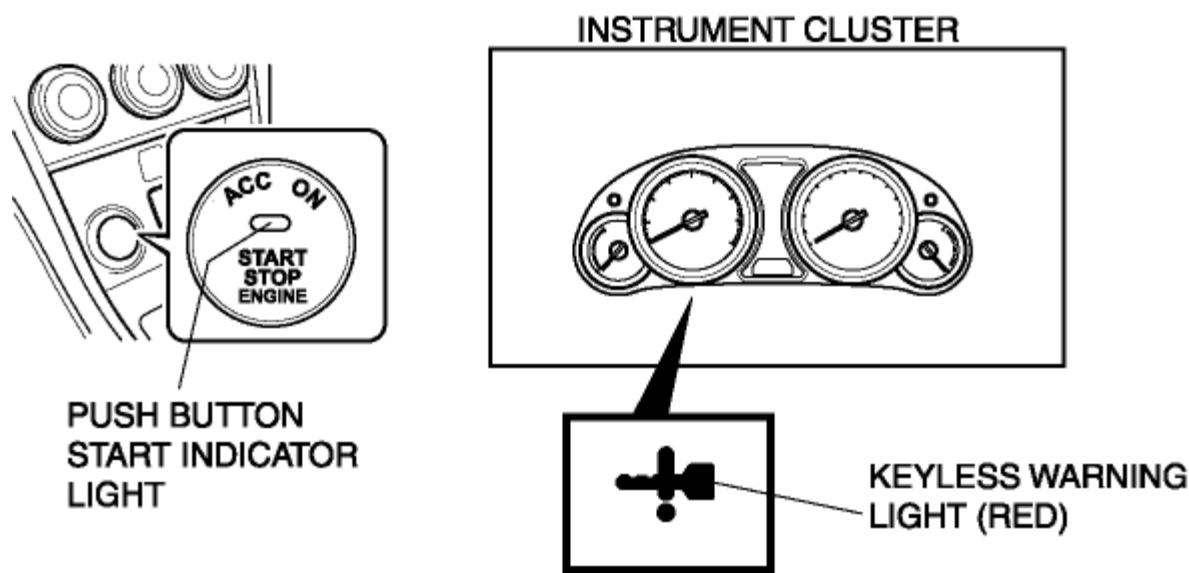
DTC B1026:92 [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]

WARNING:

- If this DTC is detected, the system will enter the fail-safe function to ensure safety. If the vehicle is left as it is for a specified time limit or more, or the ignition is operated a specified number of times or more while the fail-safe function is operating, the ignition will remain stuck in off and it is possible that the engine cannot be started. Therefore, perform the malfunction diagnosis while the engine can be started. In addition, after having performed the malfunction diagnosis, verify that this DTC is not detected with the steering wheel locked. If the DTC is not detected, the system returns to normal from the fail-safe function.

NOTE:

- When the system enters the fail-safe function, the keyless warning light and the push button start indicator light illuminate as follows:
 - When the clutch pedal (MTX) or the brake pedal (ATX) is depressed while the ignition is switched off, both lights illuminate (red).
 - When the ignition is switched to ACC or ON, both lights illuminate (red) constantly.



DETECTION CONDITION	Keyless control module receive position signal indicating a serious malfunction from steering lock unit
POSSIBLE CAUSE	• Connector or terminal malfunction • Steering lock unit malfunction

- Keyless control module malfunction

Diagnostic Procedure

Step	Inspection	Action
1	INSPECT STEERING LOCK UNIT CONNECTOR CONDITION • Switch the ignition to off. • Disconnect the negative battery cable. • Disconnect the steering lock unit 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 Step 4.
		No Go to the next step.
2	INSPECT KEYLESS CONTROL MODULE CONNECTOR CONDITION • Disconnect the keyless control module 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 Step 4.
		No Go to the next step.
3	INSPECT STEERING LOCK UNIT • Inspect the steering lock unit. (See STEERING LOCK UNIT INSPECTION [WITH ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .) • Is there any malfunction?	Yes Replace the steering lock unit and perform steering lock unit programming, then go to the next step.
		(See STEERING WHEEL AND COLUMN REMOVAL/ INSTALLATION [WITHOUT ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .) (See STEERING LOCK UNIT ID CODE REGISTRATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .)
		No Go to the next step.
4	VERIFY TROUBLESHOOTING COMPLETED	Yes Repeat the inspection from Step 1.

	• Make sure to reconnect the disconnected connectors. • Reconnect the negative battery cable. • Perform the following procedure within 5 min. ◦ Clear the DTC from keyless control module memory using the M-MDS. (See CLEARING DTC [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .) ◦ Switch the ignition to off, then open the door to lock the steering. ◦ Perform the 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] .)		If the malfunction recurs, replace the keyless control module, then go to the next step. (See KEYLESS CONTROL MODULE REMOVAL/ INSTALLATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .)
	• Is the same DTC present?		No Go to the next step.
5	VERIFY THAT NO OTHER DTCs ARE PRESENT • Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .)
		No	DTC troubleshooting completed.

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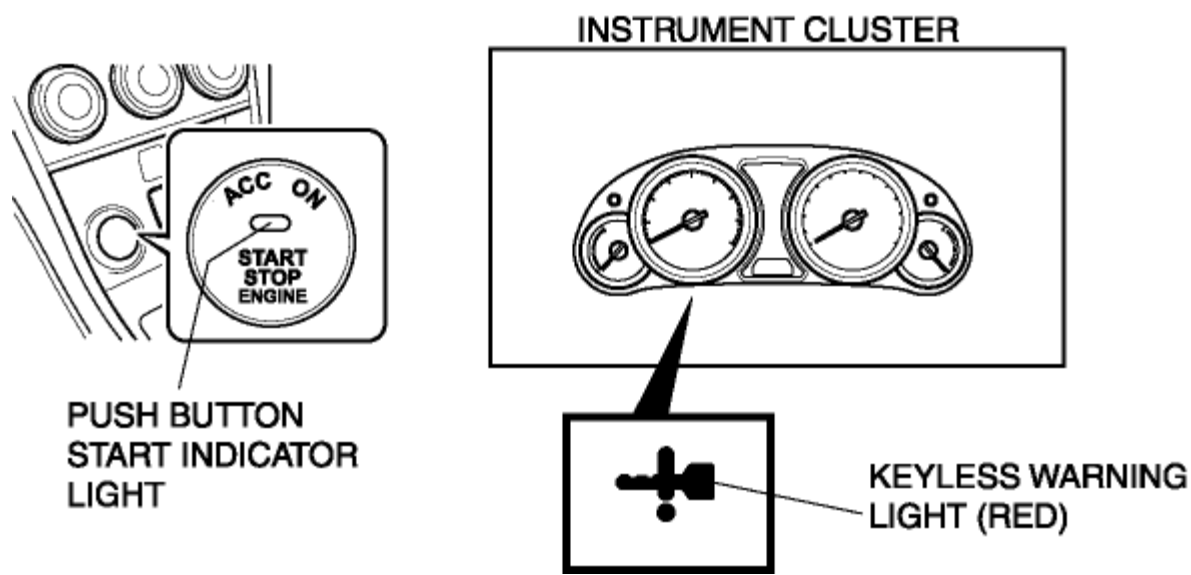
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