2012 - Mazda6 - Body and Accessories

DTC B1026:08 [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]

DETECTION CONDITION	Keyless control module receive error ID signal from steering lock unit
POSSIBLE CAUSE	• Connector or terminal 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 5.
		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 5.
		No	Go to the next step.
3	**PERFORM STEERING LOCK**	Yes	Go to the next step.

	UNIT PROGRAMMING • Perform the steering lock unit programming. (See **STEERING LOCK UNIT ID CODE REGISTRATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.) • 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]**.) • Is the same DTC present?	No	Go to Step 6.
4	**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.
5	**VERIFY TROUBLESHOOTING COMPLETED** • Make sure to reconnect the disconnected connectors. • Reconnect the negative battery cable. • Clear the DTC from keyless	Yes	Repeat the inspection from Step 1. 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]**.)

	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]**.) • Is the same DTC present?	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 [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.)
		No	DTC troubleshooting completed.

< Previous **Next >**

Back to Top

2012 - Mazda6 - Body and Accessories

DTC B1026:08 [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]

DETECTION CONDITION	Keyless control module receive error ID signal from steering lock unit
POSSIBLE CAUSE	• Connector or terminal 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 5.
		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 5.
		No	Go to the next step.
3	**PERFORM STEERING LOCK**	Yes	Go to the next step.

	UNIT PROGRAMMING • Perform the steering lock unit programming. (See **STEERING LOCK UNIT ID CODE REGISTRATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.) • 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]**.) • Is the same DTC present?	No	Go to Step 6.
4	**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.
5	**VERIFY TROUBLESHOOTING COMPLETED** • Make sure to reconnect the disconnected connectors. • Reconnect the negative battery cable. • Clear the DTC from keyless	Yes	Repeat the inspection from Step 1. 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]**.)

	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]**.) • Is the same DTC present?	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 [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.)
		No	DTC troubleshooting completed.

< Previous **Next >**

Back to Top