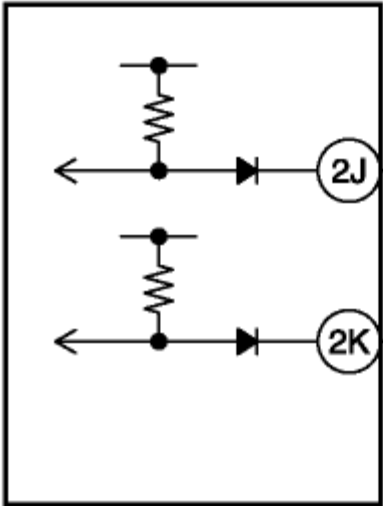


2012 - Mazda6 - Body and Accessories

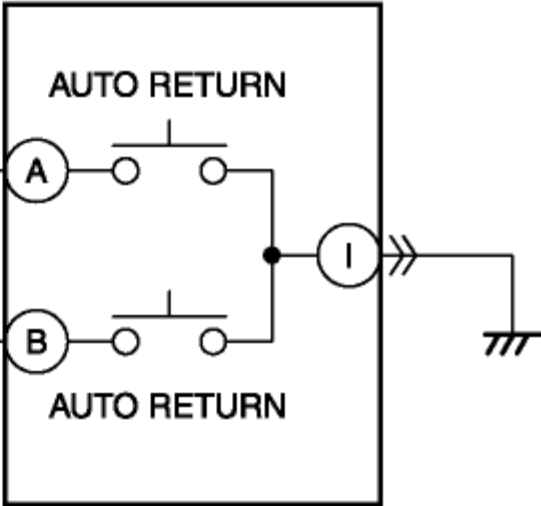
DTC B108B:23 [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]

DETECTION CONDITION	120 s have elapsed since push button start 1 signal was detected
POSSIBLE CAUSE	• Connector or terminal malfunction • Short to ground in wiring harness between push button start terminal A and keyless control module terminal 2J • Push button start malfunction • Keyless control module malfunction

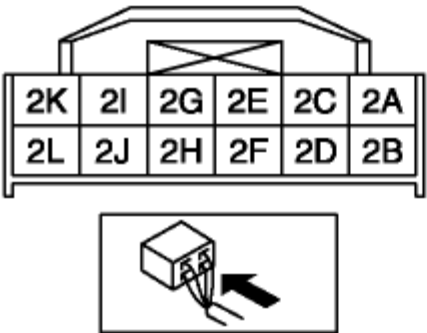
KEYLESS CONTROL MODULE



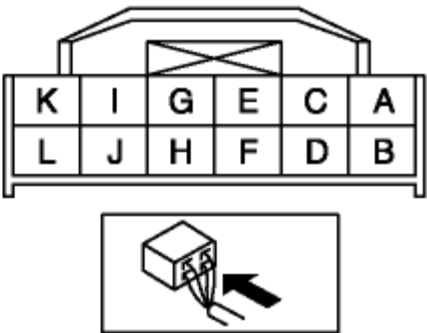
PUSH BUTTON START



KEYLESS CONTROL MODULE
WIRING HARNESS-SIDE CONNECTOR



PUSH BUTTON START
WIRING HARNESS-SIDE CONNECTOR



Diagnostic Procedure

Step	Inspection	Action
1	INSPECT PUSH BUTTON START CONNECTOR CONDITION • Switch the ignition to off. • Disconnect the negative battery cable. • Disconnect the push button start 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	INSPECT PUSH BUTTON START CIRCUIT FOR SHORT TO GROUND • Inspect for continuity between push button start terminal A (wiring harness-side) and body ground. • Is there continuity?	Yes Repair or replace the wiring harness for a possible short to ground, then go to Step 5.
		No Go to the next step.
4	INSPECT PUSH BUTTON START • Inspect the push button start. (See PUSH BUTTON START INSPECTION [WITH ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .) • Is there any malfunction?	Yes Replace the push button start, then go to the next step. (See PUSH BUTTON START REMOVAL/ INSTALLATION [WITH ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .)
		No Go to the next step.

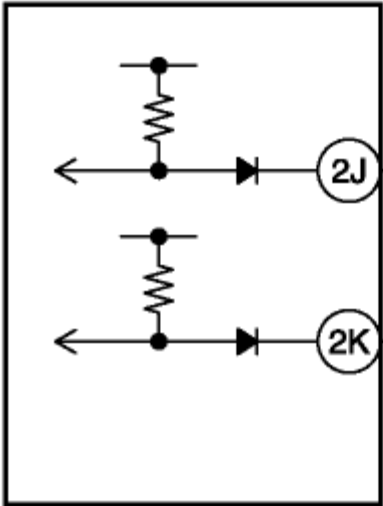
5	VERIFY TROUBLESHOOTING COMPLETED • Make sure to reconnect the disconnected connectors. • Reconnect the negative battery cable. • Clear the DTC from keyless control module memory using the M-MDS. (See CLEARING DTC [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .) • Perform the advanced keyless 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?	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] .)	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.

2012 - Mazda6 - Body and Accessories

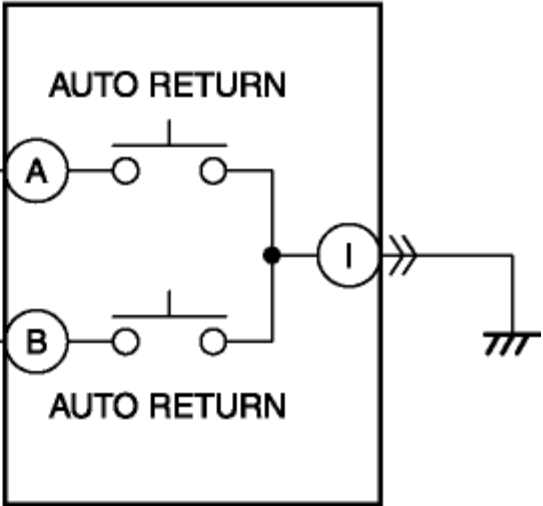
DTC B108B:23 [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]

DETECTION CONDITION	120 s have elapsed since push button start 1 signal was detected
POSSIBLE CAUSE	• Connector or terminal malfunction • Short to ground in wiring harness between push button start terminal A and keyless control module terminal 2J • Push button start malfunction • Keyless control module malfunction

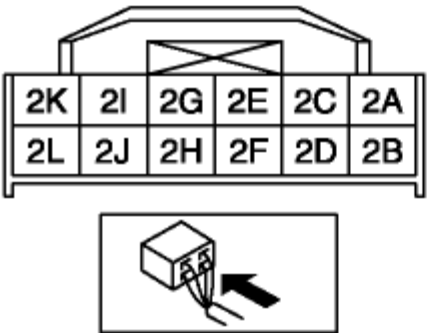
KEYLESS CONTROL MODULE



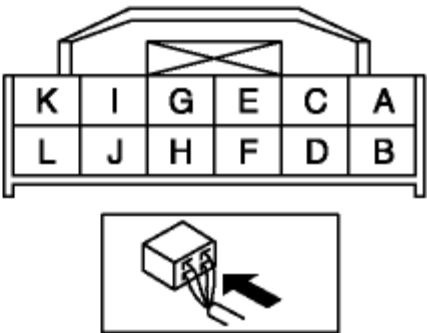
PUSH BUTTON START



KEYLESS CONTROL MODULE
WIRING HARNESS-SIDE CONNECTOR



PUSH BUTTON START
WIRING HARNESS-SIDE CONNECTOR



Diagnostic Procedure

Step	Inspection	Action
1	INSPECT PUSH BUTTON START CONNECTOR CONDITION - Switch the ignition to off. - Disconnect the negative battery cable. - Disconnect the push button start 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	INSPECT PUSH BUTTON START CIRCUIT FOR SHORT TO GROUND - Inspect for continuity between push button start terminal A (wiring harness-side) and body ground. - Is there continuity?	Yes Repair or replace the wiring harness for a possible short to ground, then go to Step 5.
		No Go to the next step.
4	INSPECT PUSH BUTTON START - Inspect the push button start. (See PUSH BUTTON START INSPECTION [WITH ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .) - Is there any malfunction?	Yes Replace the push button start, then go to the next step.
		(See PUSH BUTTON START REMOVAL/ INSTALLATION [WITH 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 control module memory using the M-MDS. (See CLEARING DTC [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM] .) - 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?	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] .)
		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.