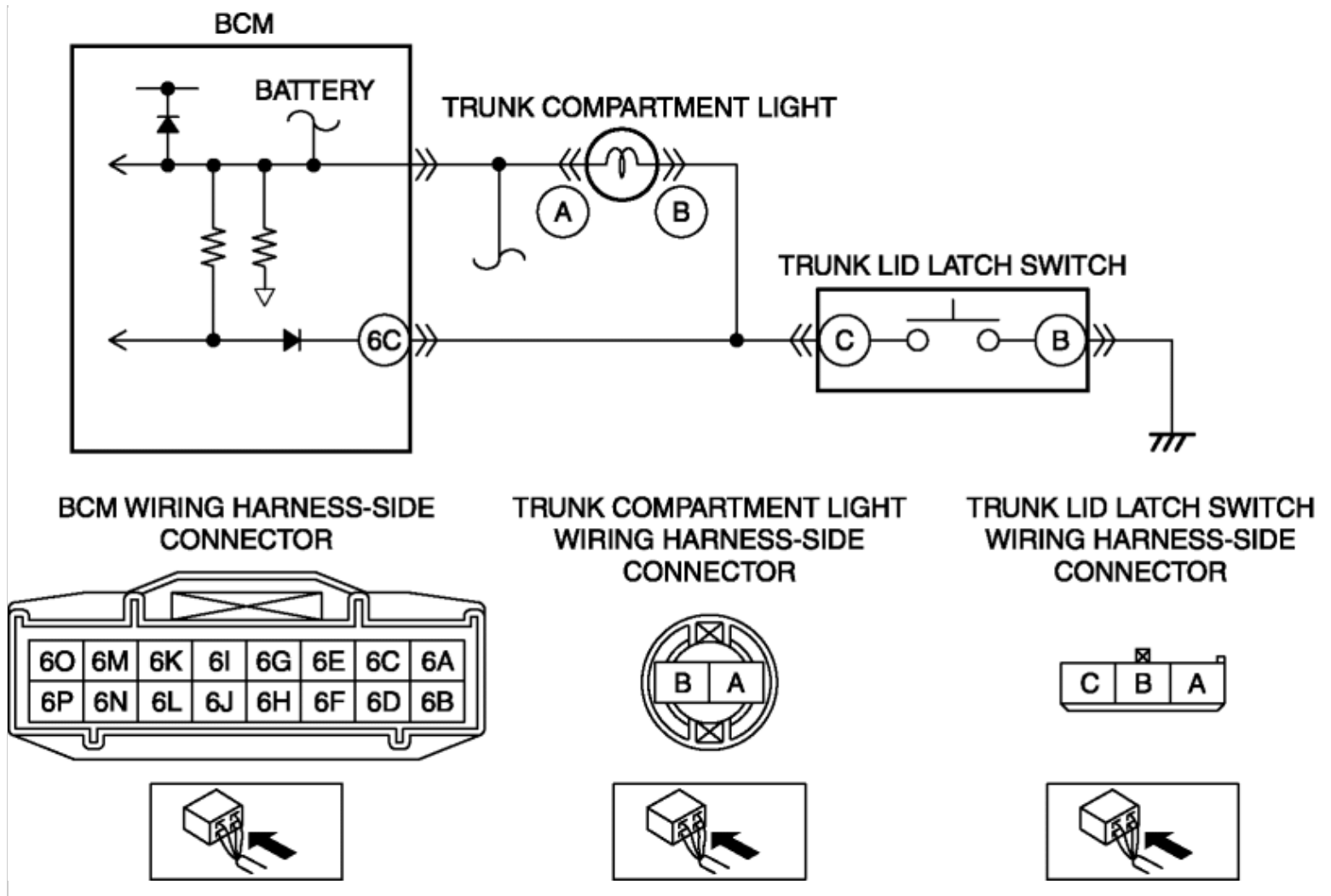


2012 - Mazda6 - Body and Accessories

DTC B1178:11 [BCM]

DESCRIPTION	Trunk lid latch switch circuit malfunction
DETECTION CONDITION	• Short to ground detected in trunk lid latch switch circuit with the trunk closed (trunk lid latch switch off).
POSSIBLE CAUSE	• Trunk lid latch switch connector or terminals malfunction • Trunk lid latch switch malfunction • BCM connector or terminals malfunction • Short to ground in wiring harness between trunk lid latch switch terminal C and BCM terminal 6C • Short to ground in wiring harness between trunk compartment light terminal B and BCM terminal 6C • BCM malfunction



Diagnostic Procedure

Step	Inspection	Action
1	PERFORM DTC INSPECTION - Clear the DTC from the BCM memory using the M-MDS. (See CLEARING DTC [BCM] .) - Perform the BCM DTC inspection using the M-MDS with the trunk closed (trunk lid latch switch off). (See DTC INSPECTION [BCM] .) - Is the same DTC present?	Yes Go to the next step. No Go to Step 7.
2	INSPECT TRUNK LID LATCH SWITCH CONNECTOR CONDITION - Switch the ignition to off. - Disconnect the negative battery cable.	Yes Repair or replace the connector or terminals, then go to Step 6. No Go to the next step.

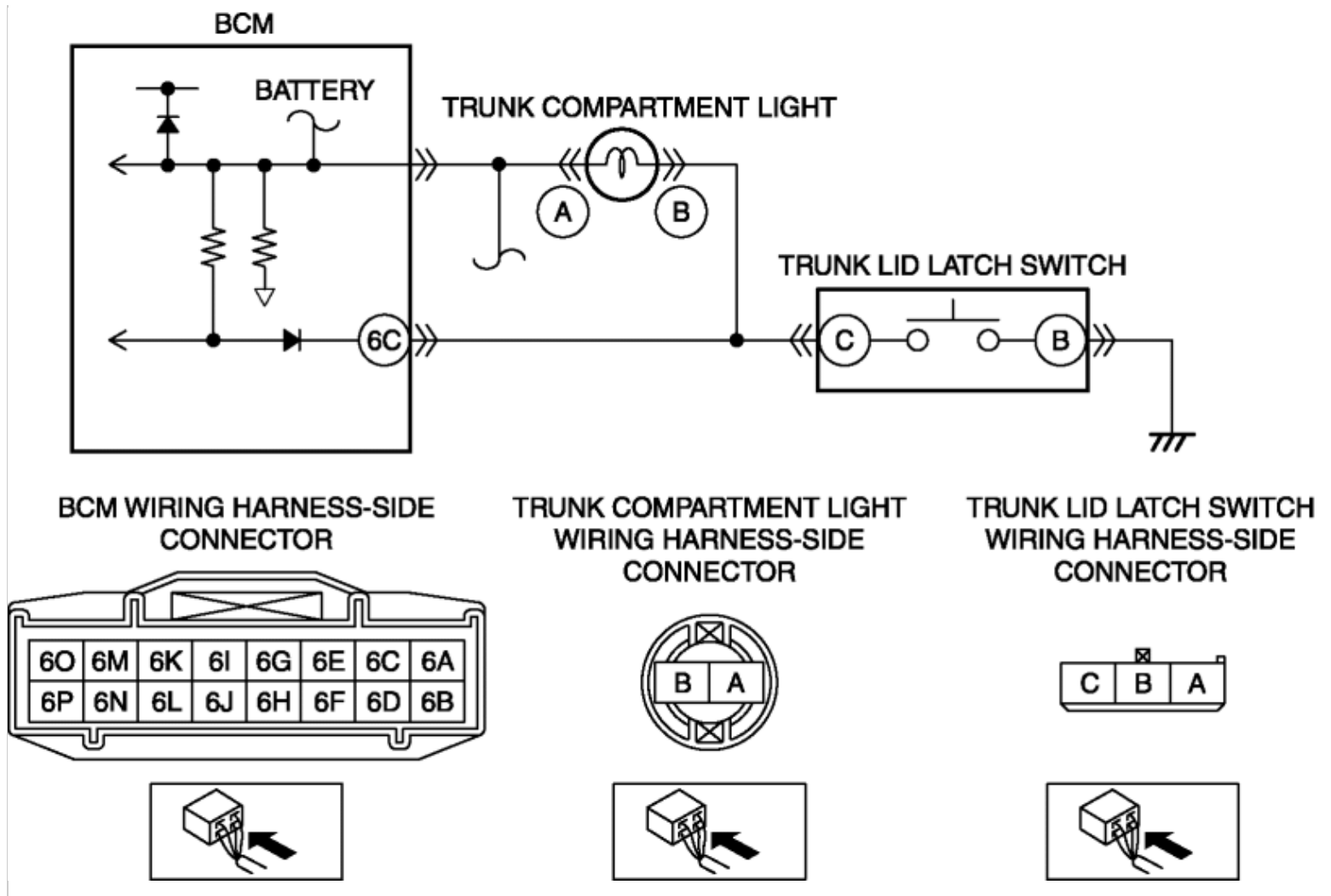
	• Disconnect the trunk lid latch switch connector. • Inspect for poor connection (damaged/pulled-out pins, corrosion). • Is there any malfunction?		
3	INSPECT TRUNK LID LATCH SWITCH • Inspect the trunk lid latch switch. (See TRUNK LID LATCH SWITCH INSPECTION.) • Is there any malfunction?	Yes	Replace the trunk lid latch switch, then go to Step 6. (See TRUNK LID LATCH AND RELEASE ACTUATOR REMOVAL/ INSTALLATION .)
		No	Go to the next step.
4	INSPECT BCM CONNECTOR CONDITION • Disconnect the BCM connector. • Inspect for poor connection (damaged/pulled-out pins, corrosion). • Is there any malfunction?	Yes	Repair or replace the connector or terminals, then go to Step 6.
		No	Go to the next step.
5	INSPECT TRUNK LID LATCH SWITCH CIRCUIT FOR SHORT TO GROUND • Trunk lid latch switch and BCM connectors are disconnected. • Inspect for continuity between trunk lid latch switch terminal C (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 the next step.
		No	Go to the next step.
6	VERIFY TROUBLESHOOTING COMPLETED • Make sure to reconnect all disconnected connectors. • Reconnect the negative battery cable. • Clear the DTC from the BCM memory using the M-MDS. (See CLEARING DTC [BCM].) • Perform the BCM DTC inspection using the M-MDS with the trunk closed (trunk lid latch switch off). (See DTC INSPECTION [BCM].) • Is the same DTC present?	Yes	Repeat the inspection from Step 1. If the malfunction recurs, replace the BCM, then go to the next step. (See BODY CONTROL MODULE (BCM) REMOVAL/ INSTALLATION .)
		No	Go to the next step.
7	VERIFY THAT NO OTHER DTCs ARE	Yes	Go to the applicable DTC inspection.

	PRESENT • Are any DTCs present?		(See DTC TABLE [BCM] .)
			No DTC troubleshooting completed.

2012 - Mazda6 - Body and Accessories

DTC B1178:11 [BCM]

DESCRIPTION	Trunk lid latch switch circuit malfunction
DETECTION CONDITION	• Short to ground detected in trunk lid latch switch circuit with the trunk closed (trunk lid latch switch off).
POSSIBLE CAUSE	• Trunk lid latch switch connector or terminals malfunction • Trunk lid latch switch malfunction • BCM connector or terminals malfunction • Short to ground in wiring harness between trunk lid latch switch terminal C and BCM terminal 6C • Short to ground in wiring harness between trunk compartment light terminal B and BCM terminal 6C • BCM malfunction



Diagnostic Procedure

Step	Inspection	Action
1	PERFORM DTC INSPECTION - Clear the DTC from the BCM memory using the M-MDS. (See CLEARING DTC [BCM] .) - Perform the BCM DTC inspection using the M-MDS with the trunk closed (trunk lid latch switch off). (See DTC INSPECTION [BCM] .) - Is the same DTC present?	Yes Go to the next step. No Go to Step 7.
2	INSPECT TRUNK LID LATCH SWITCH CONNECTOR CONDITION - Switch the ignition to off. - Disconnect the negative battery cable.	Yes Repair or replace the connector or terminals, then go to Step 6. No Go to the next step.

	• Disconnect the trunk lid latch switch connector. • Inspect for poor connection (damaged/pulled-out pins, corrosion). • Is there any malfunction?		
3	INSPECT TRUNK LID LATCH SWITCH • Inspect the trunk lid latch switch. (See TRUNK LID LATCH SWITCH INSPECTION.) • Is there any malfunction?	Yes	Replace the trunk lid latch switch, then go to Step 6. (See TRUNK LID LATCH AND RELEASE ACTUATOR REMOVAL/ INSTALLATION .)
		No	Go to the next step.
4	INSPECT BCM CONNECTOR CONDITION • Disconnect the BCM connector. • Inspect for poor connection (damaged/pulled-out pins, corrosion). • Is there any malfunction?	Yes	Repair or replace the connector or terminals, then go to Step 6.
		No	Go to the next step.
5	INSPECT TRUNK LID LATCH SWITCH CIRCUIT FOR SHORT TO GROUND • Trunk lid latch switch and BCM connectors are disconnected. • Inspect for continuity between trunk lid latch switch terminal C (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 the next step.
		No	Go to the next step.
6	VERIFY TROUBLESHOOTING COMPLETED • Make sure to reconnect all disconnected connectors. • Reconnect the negative battery cable. • Clear the DTC from the BCM memory using the M-MDS. (See CLEARING DTC [BCM].) • Perform the BCM DTC inspection using the M-MDS with the trunk closed (trunk lid latch switch off). (See DTC INSPECTION [BCM].) • Is the same DTC present?	Yes	Repeat the inspection from Step 1. If the malfunction recurs, replace the BCM, then go to the next step. (See BODY CONTROL MODULE (BCM) REMOVAL/ INSTALLATION .)
		No	Go to the next step.
7	VERIFY THAT NO OTHER DTCs ARE	Yes	Go to the applicable DTC inspection.

	PRESENT Are any DTCs present?		(See DTC TABLE [BCM] .)
			No DTC troubleshooting completed.