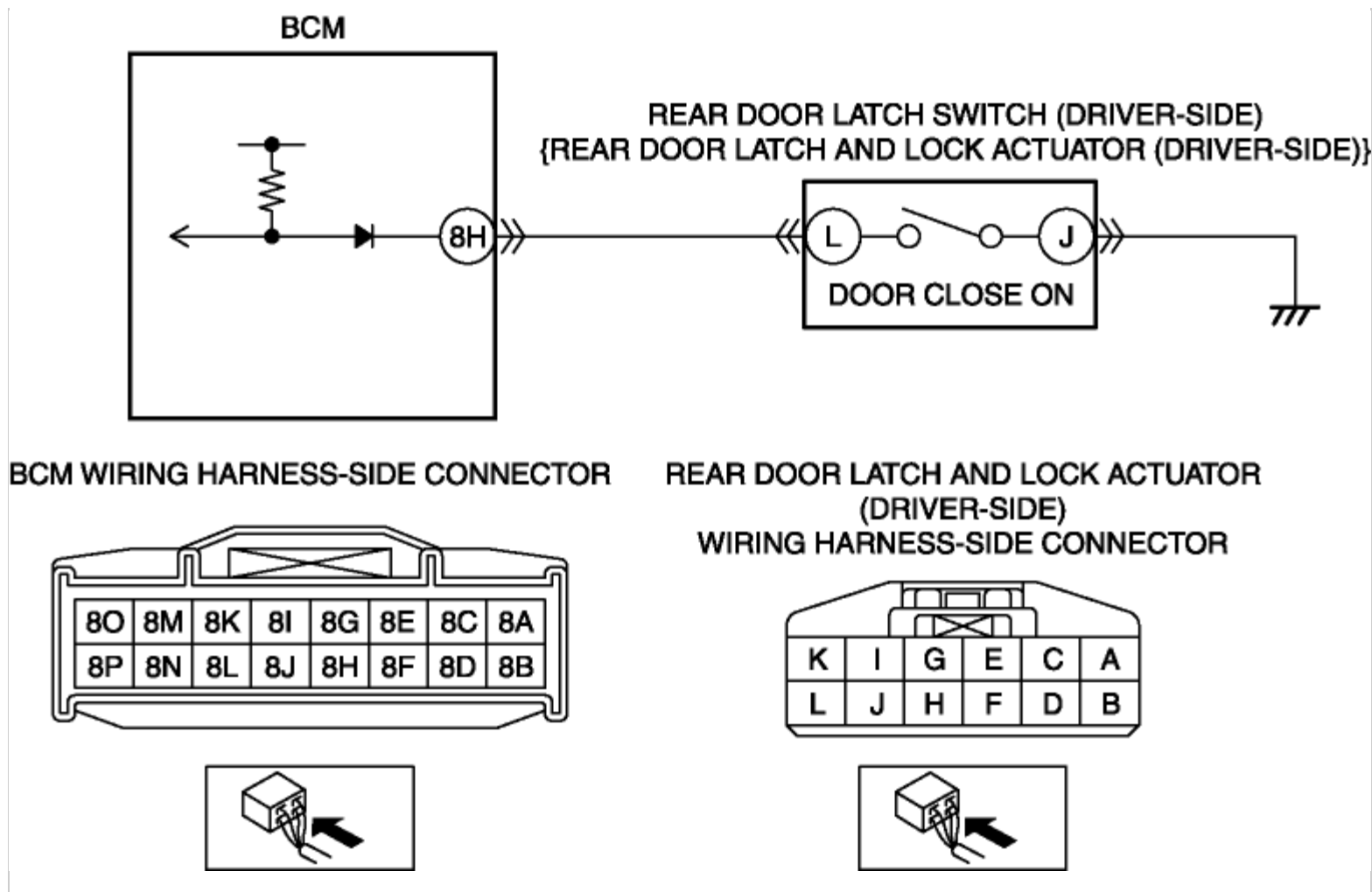


2012 - Mazda6 - Body and Accessories

DTC B11C0:13 [BCM]

DESCRIPTION	Rear door latch switch (driver-side) circuit malfunction
DETECTION CONDITION	• Open circuit detected in rear door latch switch (driver-side) circuit with the rear door (driver-side) closed {rear door latch switch (driver-side) on}.
POSSIBLE CAUSE	• Rear door latch and lock actuator (driver-side) connector or terminals malfunction • Open circuit in wiring harness between rear door latch and lock actuator (driver-side) terminal J and body ground • Rear door latch switch (driver-side) malfunction • BCM connector or terminals malfunction • Open circuit in wiring harness between rear door latch and lock actuator (driver-side) terminal L and BCM terminal 8H • 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 rear door (driver-side) closed {rear door latch switch (driver-side) on}. (See DTC INSPECTION [BCM] .) - Is the same DTC present?	YesGo to the next step.
		NoGo to Step 9.
2	INSPECT REAR DOOR LATCH AND LOCK ACTUATOR (DRIVER-SIDE) CONNECTOR CONDITION - Switch the ignition to off. - Disconnect the negative battery cable.	YesRepair or replace the connector or terminals, then go to Step 8.
		NoGo to the next step.

	• Disconnect the rear door latch and lock actuator (driver-side) connector. • Inspect for poor connection (damaged/pulled-out pins, corrosion). • Is there any malfunction?		
3	DETERMINE THE MALFUNCTION LOCATION • Rear door latch and lock actuator (driver-side) connector is disconnected. • Reconnect the negative battery cable. • Measure the voltage between rear door latch and lock actuator (driver-side) terminal L (wiring harness-side) and body ground. • Is there any voltage?	Yes	Go to the next step.
		No	Go to Step 6.
4	INSPECT REAR DOOR LATCH SWITCH (DRIVER-SIDE) CIRCUIT FOR OPEN CIRCUIT • Rear door latch and lock actuator (driver-side) connector is disconnected. • Disconnect the negative battery cable. • Inspect for continuity between rear door latch and lock actuator (driver-side) terminal J (wiring harness-side) and body ground. • Is there continuity?	Yes	Go to the next step.
		No	Repair or replace the wiring harness for a possible open circuit, then go to Step 8.
5	INSPECT REAR DOOR LATCH SWITCH (DRIVER-SIDE) • Inspect the rear door latch switch (driver-side). (See REAR DOOR LATCH SWITCH INSPECTION.) • Is there any malfunction?	Yes	Replace the rear door latch and lock actuator (driver-side), then go to Step 8. (See REAR DOOR LATCH AND LOCK ACTUATOR REMOVAL/ INSTALLATION .)
		No	Go to Step 8.
6	INSPECT BCM CONNECTOR CONDITION • Disconnect the negative battery cable. • 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 8.
		No	Go to the next step.

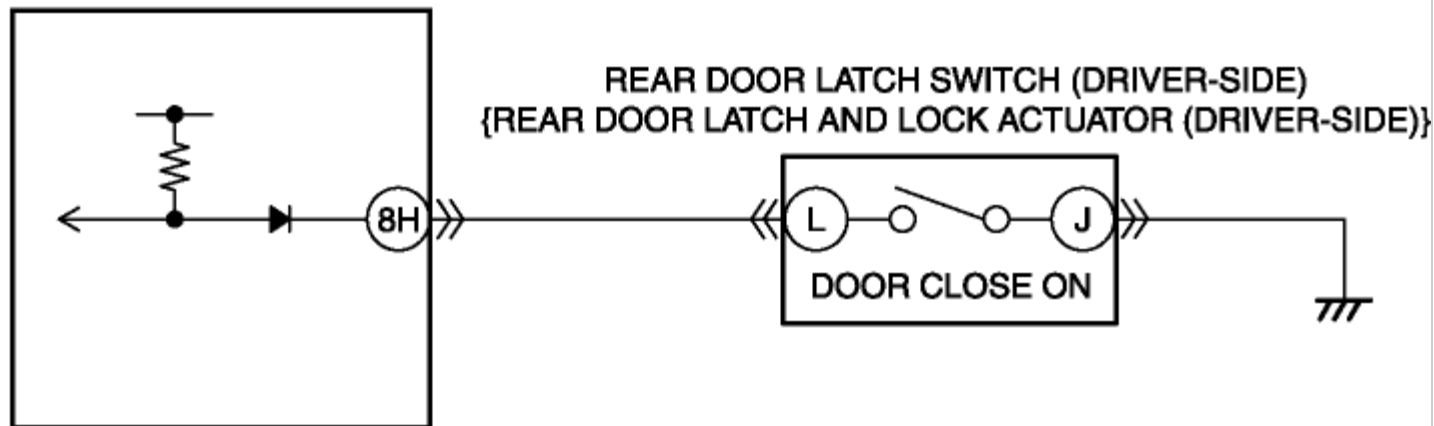
7	CONCLUDE THE MALFUNCTION LOCATION • Rear door latch and lock actuator (driver-side) and BCM connectors are disconnected. • Reconnect all disconnected connectors. • Reconnect the negative battery cable. • Measure the voltage between BCM terminal 8H (wiring harness-side) and body ground. • Is there any voltage?	Yes	Repair or replace the wiring harness for a possible open circuit, then go to the next step.
8	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 rear door (driver-side) closed {rear door latch switch (driver-side) on}. (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.)
9	VERIFY THAT NO OTHER DTCs ARE PRESENT • Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [BCM].)
		No	DTC troubleshooting completed.

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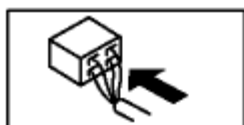
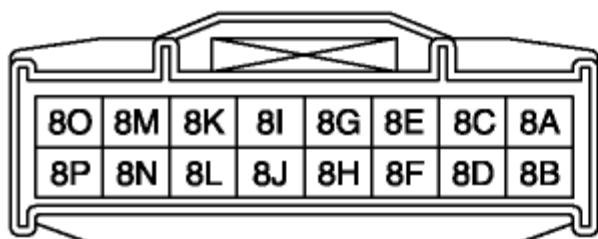
DTC B11C0:13 [BCM]

DESCRIPTION	Rear door latch switch (driver-side) circuit malfunction
DETECTION CONDITION	• Open circuit detected in rear door latch switch (driver-side) circuit with the rear door (driver-side) closed {rear door latch switch (driver-side) on}.
POSSIBLE CAUSE	• Rear door latch and lock actuator (driver-side) connector or terminals malfunction • Open circuit in wiring harness between rear door latch and lock actuator (driver-side) terminal J and body ground • Rear door latch switch (driver-side) malfunction • BCM connector or terminals malfunction • Open circuit in wiring harness between rear door latch and lock actuator (driver-side) terminal L and BCM terminal 8H • BCM malfunction

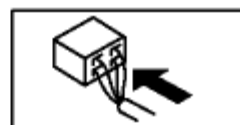
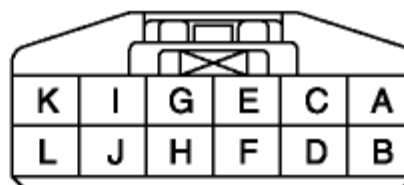
BCM



BCM WIRING HARNESS-SIDE CONNECTOR



REAR DOOR LATCH AND LOCK ACTUATOR (DRIVER-SIDE) WIRING HARNESS-SIDE CONNECTOR



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 rear door (driver-side) closed {rear door latch switch (driver-side) on}. (See DTC INSPECTION [BCM].) - Is the same DTC present?	Yes Go to the next step. No Go to Step 9.
2	INSPECT REAR DOOR LATCH AND LOCK ACTUATOR (DRIVER-SIDE) CONNECTOR CONDITION - Switch the ignition to off. - Disconnect the negative battery cable.	Yes Repair or replace the connector or terminals, then go to Step 8. No Go to the next step.

	• Disconnect the rear door latch and lock actuator (driver-side) connector. • Inspect for poor connection (damaged/pulled-out pins, corrosion). • Is there any malfunction?		
3	DETERMINE THE MALFUNCTION LOCATION • Rear door latch and lock actuator (driver-side) connector is disconnected. • Reconnect the negative battery cable. • Measure the voltage between rear door latch and lock actuator (driver-side) terminal L (wiring harness-side) and body ground. • Is there any voltage?	Yes	Go to the next step.
		No	Go to Step 6.
4	INSPECT REAR DOOR LATCH SWITCH (DRIVER-SIDE) CIRCUIT FOR OPEN CIRCUIT • Rear door latch and lock actuator (driver-side) connector is disconnected. • Disconnect the negative battery cable. • Inspect for continuity between rear door latch and lock actuator (driver-side) terminal J (wiring harness-side) and body ground. • Is there continuity?	Yes	Go to the next step.
		No	Repair or replace the wiring harness for a possible open circuit, then go to Step 8.
5	INSPECT REAR DOOR LATCH SWITCH (DRIVER-SIDE) • Inspect the rear door latch switch (driver-side). (See REAR DOOR LATCH SWITCH INSPECTION.) • Is there any malfunction?	Yes	Replace the rear door latch and lock actuator (driver-side), then go to Step 8. (See REAR DOOR LATCH AND LOCK ACTUATOR REMOVAL/ INSTALLATION .)
		No	Go to Step 8.
6	INSPECT BCM CONNECTOR CONDITION • Disconnect the negative battery cable. • 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 8.
		No	Go to the next step.

7	CONCLUDE THE MALFUNCTION LOCATION - Rear door latch and lock actuator (driver-side) and BCM connectors are disconnected. - Reconnect all disconnected connectors. - Reconnect the negative battery cable. - Measure the voltage between BCM terminal 8H (wiring harness-side) and body ground. - Is there any voltage?	Yes	Repair or replace the wiring harness for a possible open circuit, then go to the next step.
		No	Go to the next step.
8	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 rear door (driver-side) closed {rear door latch switch (driver-side) on}. (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.
9	VERIFY THAT NO OTHER DTCs ARE PRESENT Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [BCM] .)
		No	DTC troubleshooting completed.