

# DTC B1178:11 [REAR BODY CONTROL MODULE (RBCM)]

id0902p4014400

<b>System malfunction location</b>	<b>Liftgate latch switch circuit malfunction</b>
<b>Detection condition</b>	<ul style="list-style-type: none"> <li>With the liftgate closed (liftgate latch switch off), rear body control module (RBCM) detects short to ground in liftgate latch switch circuit.</li> </ul>
<b>Fail-safe</b>	—
<b>Possible cause</b>	<ul style="list-style-type: none"> <li>Liftgate latch and lock actuator connector or terminal malfunction</li> <li>Liftgate latch switch malfunction</li> <li>Rear body control module (RBCM) connector or terminal malfunction</li> <li>Short to ground in wiring harness between rear body control module (RBCM) terminal 4K and liftgate latch and lock actuator terminal C</li> <li>Rear body control module (RBCM) malfunction</li> </ul>

## Diagnostic Procedure

Step	Inspection	Action
1	<b>VERIFY REAR BODY CONTROL MODULE (RBCM) DTCs AGAIN</b> <ul style="list-style-type: none"> <li>Clear rear body control module (RBCM) DTCs using the M-MDS. (See CLEARING DTC [REAR BODY CONTROL MODULE (RBCM)].)</li> <li>Perform the DTC inspection for the rear body control module (RBCM) using the M-MDS. (See DTC INSPECTION [REAR BODY CONTROL MODULE (RBCM)].)</li> <li>Is DTC B1178:11 displayed?</li> </ul>	<div>Yes</div> Go to the next step. <div>No</div> Go to Step 7.

Step	Inspection	Action	
2	<b>INSPECT LIFTGATE LATCH AND LOCK ACTUATOR CONNECTOR</b> <ul style="list-style-type: none"> <li>Switch the ignition to off.</li> <li>Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)</li> <li>Disconnect the liftgate latch and lock actuator connector.</li> <li>Inspect the connector engagement and connection condition and inspect the terminals for damage, deformation, corrosion, or disconnection.</li> <li>Is the connector normal?</li> </ul>	Yes	Go to the next step.
		No	Repair or replace the connector, then go to Step 6.
3	<b>INSPECT LIFTGATE LATCH SWITCH</b> <ul style="list-style-type: none"> <li>Inspect the liftgate latch switch. (See LIFTGATE LATCH SWITCH INSPECTION.)</li> <li>Is the liftgate latch switch normal?</li> </ul>	Yes	Go to the next step.
		No	Replace the liftgate latch and lock actuator, then go to Step 6. (See LIFTGATE LATCH AND LOCK ACTUATOR REMOVAL/INSTALLATION.)
4	<b>INSPECT REAR BODY CONTROL MODULE (RBCM) CONNECTOR CONDITION</b> <ul style="list-style-type: none"> <li>Disconnect the rear body control module (RBCM) connector.</li> <li>Inspect the connector engagement and connection condition and inspect the terminals for damage, deformation, corrosion, or disconnection.</li> <li>Is the connector normal?</li> </ul>	Yes	Go to the next step.
		No	Repair or replace the connector, then go to Step 6.
5	<b>INSPECT LIFTGATE LATCH SWITCH CIRCUIT FOR SHORT TO GROUND</b> <ul style="list-style-type: none"> <li>Verify that the rear body control module (RBCM) connector and liftgate latch and lock actuator connector are disconnected.</li> <li>Inspect for continuity between liftgate latch and lock actuator terminal C (vehicle wiring harness) and body ground.</li> <li>Is there continuity?</li> </ul>	Yes	Repair or replace the wiring harness which has a short to ground, then go to the next step.
		No	Go to the next step.

Step	Inspection	Action
6	<b>VERIFY THAT REPAIRS HAVE BEEN COMPLETED</b> <ul style="list-style-type: none"> <li>Reconnect all the disconnected connectors.</li> <li>Reconnect the disconnected negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)</li> <li>Clear rear body control module (RBCM) DTCs using the M-MDS. (See CLEARING DTC [REAR BODY CONTROL MODULE (RBCM)].)</li> <li>Perform the DTC inspection for the rear body control module (RBCM) using the M-MDS. (See DTC INSPECTION [REAR BODY CONTROL MODULE (RBCM)].)</li> <li>Is DTC B1178:11 displayed?</li> </ul>	Yes Repeat the inspection from Step 1. • If the malfunction recurs, replace the rear body control module (RBCM), then go to the next step. (See REAR BODY CONTROL MODULE (RBCM) REMOVAL/INSTALLATION.)
		No Go to the next step.
7	<b>VERIFY IF OTHER DTCs DISPLAYED</b> <ul style="list-style-type: none"> <li>Are any other DTCs displayed?</li> </ul>	Yes Repair the malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [REAR BODY CONTROL MODULE (RBCM)].)
		No DTC troubleshooting completed.