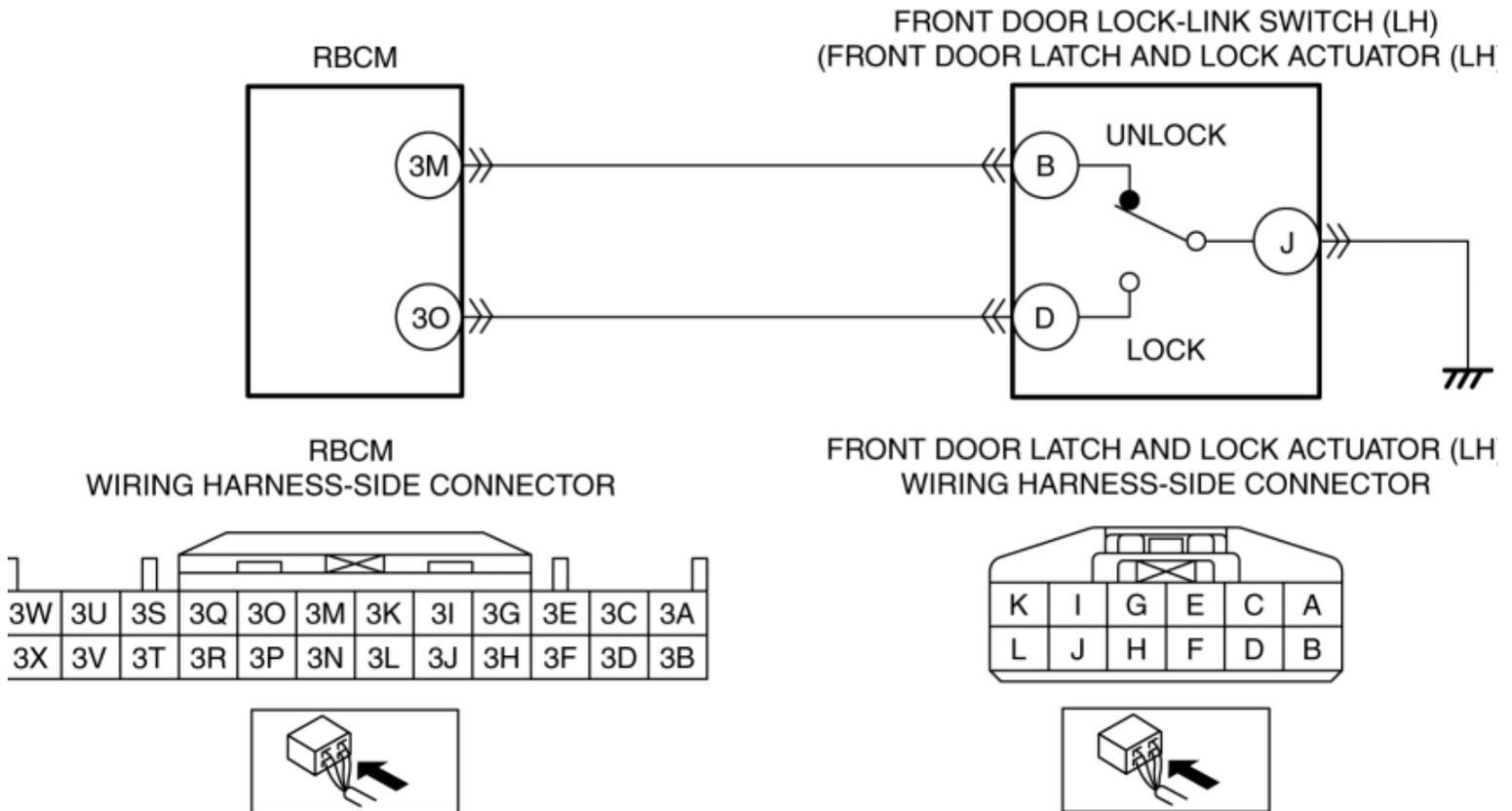


## 2015 - CX-5 - Body and Accessories

### DTC B1172:11 [REAR BODY CONTROL MODULE (RBCM)]

<b>System malfunction location</b>	Front door lock-link switch (LH) unlock circuit malfunction
<b>Detection condition</b>	<ul style="list-style-type: none"> <li>With the front door lock-link switch (LH) locked, the rear body control module (RBCM) detects a short to ground in the front door lock-link switch (LH) unlock circuit.</li> </ul>
<b>Fail-safe</b>	—
<b>Possible cause</b>	<ul style="list-style-type: none"> <li>Front door latch and lock actuator (LH) connector or terminal malfunction</li> <li>Front door lock-link switch (LH) 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 3M and front door latch and lock actuator (LH) terminal B</li> <li>Rear body control module (RBCM) malfunction</li> </ul>



Step	Inspection	Action
1	<p><b>VERIFY REAR BODY CONTROL MODULE (RBCM) DTCs AGAIN</b></p> <ul style="list-style-type: none"> <li>• Clear rear body control module (RBCM) DTCs using the M-MDS.</li> <li>(See <b>CLEARING DTC [REAR BODY CONTROL MODULE (RBCM)]</b>.)</li> <li>• Perform the DTC inspection for the rear body control module (RBCM) using the M-MDS.</li> <li>(See <b>DTC INSPECTION [REAR BODY CONTROL MODULE (RBCM)]</b>.)</li> <li>• Lock the front door lock-link switch (LH).</li> <li>• Is DTC B1172:11 displayed?</li> </ul>	<p>Yes Go to the next step.</p> <p>No Go to Step 7.</p>
2	<p><b>INSPECT FRONT DOOR LATCH ACTUATOR (LH) CONNECTOR</b></p> <ul style="list-style-type: none"> <li>• Switch the ignition to off.</li> <li>• Disconnect the negative battery cable.</li> <li>(See <b>NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5]</b>.)</li> <li>• Disconnect the front door latch and lock actuator (LH) 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>	<p>Yes Go to the next step.</p> <p>No Repair or replace the connector, then go to Step 6.</p>
3	<p><b>INSPECT FRONT DOOR LOCK-LINK SWITCH (LH)</b></p> <ul style="list-style-type: none"> <li>• Inspect the front door lock-link switch (LH).</li> <li>(See <b>DOOR LOCK-LINK SWITCH INSPECTION</b>.)</li> <li>• Is the front door lock-link switch (LH) normal?</li> </ul>	<p>Yes Go to the next step.</p> <p>No Replace the front door latch and lock actuator (LH), then go to Step 6.</p> <p>(See <b>FRONT DOOR LATCH AND LOCK ACTUATOR REMOVAL/INSTALLATION</b>.)</p>
4	<p><b>INSPECT REAR BODY CONTROL MODULE (RBCM) CONNECTOR CONDITION</b></p> <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>	<p>Yes Go to the next step.</p> <p>No Repair or replace the connector, then go to Step 6.</p>

5	<p><b>FOR SHORT TO GROUND</b></p> <ul style="list-style-type: none"> <li>• Verify that the rear body control module (RBCM) connector and front door latch and lock actuator (LH) connector are disconnected.</li> <li>• Inspect for continuity between front door latch and lock actuator (LH) terminal B (vehicle wiring harness side) and body ground.</li> <li>• Is there continuity?</li> </ul>	<p>Yes Repair or replace the wiring harness which has a short to ground, then go to the next step.</p>
		<p>No Go to the next step.</p>
6	<p><b>VERIFY THAT REPAIRS HAVE BEEN COMPLETED</b></p> <ul style="list-style-type: none"> <li>• Reconnect all the disconnected connectors.</li> <li>• Reconnect the disconnected negative battery cable.</li> </ul> <p>(See <b>NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].</b>)</p> <ul style="list-style-type: none"> <li>• Clear rear body control module (RBCM) DTCs using the M-MDS.</li> </ul> <p>(See <b>CLEARING DTC [REAR BODY CONTROL MODULE (RBCM)].</b>)</p> <ul style="list-style-type: none"> <li>• Lock the front door lock-link switch (LH).</li> <li>• Perform the DTC inspection for the rear body control module (RBCM) using the M-MDS.</li> </ul> <p>(See <b>DTC INSPECTION [REAR BODY CONTROL MODULE (RBCM)].</b>)</p> <ul style="list-style-type: none"> <li>• Is DTC B1172:11 displayed?</li> </ul>	<p>Yes Repeat the inspection from Step 1.</p> <ul style="list-style-type: none"> <li>• If the malfunction recurs, replace the rear body control module (RBCM), then go to the next step.</li> </ul> <p>(See <b>REAR BODY CONTROL MODULE (RBCM) REMOVAL/INSTALLATION.</b>)</p>
		<p>No Go to the next step.</p>
7	<p><b>VERIFY IF OTHER DTCs DISPLAYED</b></p> <ul style="list-style-type: none"> <li>• Are any other DTCs displayed?</li> </ul>	<p>Yes Repair the malfunctioning part according to the applicable DTC troubleshooting.</p> <p>(See <b>DTC TABLE [REAR BODY CONTROL MODULE (RBCM)].</b>)</p>
		<p>No DTC troubleshooting completed.</p>

## 2015 - CX-5 - Body and Accessories

### DTC B1172:13 [REAR BODY CONTROL MODULE (RBCM)]

<b>System malfunction location</b>	Front door lock-link switch (LH) unlock circuit malfunction
<b>Detection condition</b>	<ul style="list-style-type: none"><li>• Rear body control module (RBCM) detects open circuit in front door lock-link switch (LH) unlock side circuit with front door lock-link switch (LH) unlocked.</li></ul>
<b>Fail-safe</b>	—
<b>Possible cause</b>	<ul style="list-style-type: none"><li>• Front door latch and lock actuator (LH) connector or terminal malfunction</li><li>• Open circuit in wiring harness between front door latch and lock actuator (LH) terminal J and body ground</li><li>• Front door lock-link switch (LH) malfunction</li><li>• Rear body control module (RBCM) connector or terminal malfunction</li><li>• Open circuit in wiring harness between rear body control module (RBCM) terminal 3M and front door latch and lock actuator (LH) terminal B</li><li>• Rear body control module (RBCM) malfunction</li></ul>



	<ul style="list-style-type: none"> <li>Is the connector normal?</li> </ul>		
3	<p><b>INSPECT FOR OPEN CIRCUIT IN FRONT DOOR LOCK-LINK SWITCH (LH) GROUND CIRCUIT</b></p> <ul style="list-style-type: none"> <li>Verify that the front door latch and lock actuator (LH) connector is disconnected.</li> <li>Inspect the wiring harness between front door latch and lock actuator (LH) terminal J (vehicle wiring harness side) and body ground for continuity.</li> <li>Is there continuity?</li> </ul>	Yes	Go to the next step.
		No	Repair or replace the wiring harness which has an open circuit, then go to Step 7.
4	<p><b>INSPECT FRONT DOOR LOCK-LINK SWITCH (LH)</b></p> <ul style="list-style-type: none"> <li>Inspect the front door lock-link switch (LH). (See <b>DOOR LOCK-LINK SWITCH INSPECTION.</b>)</li> <li>Is the front door lock-link switch (LH) normal?</li> </ul>	Yes	Go to the next step.
		No	Replace the front door latch and lock actuator (LH), then go to Step 7.  (See <b>FRONT DOOR LATCH AND LOCK ACTUATOR REMOVAL/INSTALLATION.</b> )
5	<p><b>INSPECT REAR BODY CONTROL MODULE (RBCM) CONNECTOR CONDITION</b></p> <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 7.
6	<p><b>INSPECT FOR OPEN CIRCUIT IN FRONT DOOR LOCK-LINK SWITCH (LH) CIRCUIT</b></p> <ul style="list-style-type: none"> <li>Verify that the rear body control module (RBCM) connector and front door latch and lock actuator (LH) connector are disconnected.</li> <li>Inspect the wiring harness between rear body control module (RBCM) terminal 3M (vehicle wiring harness side) and front door latch and lock actuator (LH) terminal B (vehicle wiring harness side) for continuity.</li> <li>Is there continuity?</li> </ul>	Yes	Go to the next step.
		No	Repair or replace the wiring harness which has an open circuit, then go to the next step.
7	<p><b>VERIFY THAT REPAIRS HAVE BEEN COMPLETED</b></p> <ul style="list-style-type: none"> <li>Reconnect all the disconnected connectors.</li> <li>Reconnect the disconnected negative battery cable. (See <b>NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].</b>)</li> <li>Clear rear body control module (RBCM) DTCs using the M-MDS.  (See <b>CLEARING DTC [REAR BODY CONTROL MODULE</b></li> </ul>	Yes	Repeat the inspection from Step 1. <ul style="list-style-type: none"> <li>If the malfunction recurs, replace the rear body control module (RBCM), then go to the next step.  (See <b>REAR BODY CONTROL MODULE (RBCM) REMOVAL/INSTALLATION.</b>)</li> </ul>
		No	Go to the next step.

	<ul style="list-style-type: none"> <li>• Perform the DTC inspection for the rear body control module (RBCM) using the M-MDS.</li> </ul> <p>(See <b>DTC INSPECTION [REAR BODY CONTROL MODULE (RBCM)]</b>.)</p> <ul style="list-style-type: none"> <li>• Is DTC B1172:13 displayed?</li> </ul>		
8	<p><b>VERIFY IF OTHER DTCs DISPLAYED</b></p> <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 <b>DTC TABLE [REAR BODY CONTROL MODULE (RBCM)]</b> .)
		No	DTC troubleshooting completed.