

# DTC U3000:4A [BLIND SPOT MONITORING (BSM)]

id0902i3393500

<b>System malfunction location</b>	<b>BSM control module assembly malfunction</b>
<b>Detection condition</b>	<ul style="list-style-type: none"> <li>The left and right BSM control modules are installed in reverse, or an open circuit is detected in the BSM control module circuit.</li> </ul>
<b>Fail-safe</b>	—
<b>Possible cause</b>	<ul style="list-style-type: none"> <li>The BSM control modules (LH) and (RH) are installed in reverse.</li> <li>Malfunction in BSM control module (LH) connector or terminal</li> <li>Open circuit in wiring harness between the following terminals: <ul style="list-style-type: none"> <li>BSM control module (LH) terminal A and body ground</li> <li>BSM control module (LH) terminal E and body ground</li> </ul> </li> <li>Malfunction in BSM control module (RH) connector or terminal</li> <li>Open circuit in wiring harness between BSM control module (RH) terminal A and body ground</li> <li>BSM control module malfunction</li> </ul>
<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>BSM CONTROL MODULE (LH)</p> <p>BSM CONTROL MODULE (LH)/(RH) WIRING HARNESS-SIDE CONNECTOR</p> </div> <div style="text-align: center;"> <p>BSM CONTROL MODULE (RH)</p> </div> </div>	

## Diagnostic Procedure

Step	Inspection	Action
1	<b>VERIFY IF LEFT AND RIGHT BSM CONTROL MODULES ARE INSTALLED IN REVERSE</b> <ul style="list-style-type: none"> <li>Verify that the left and right indication labels are attached to the BSM control modules. (See BLIND SPOT MONITORING (BSM) CONTROL MODULE REMOVAL/ INSTALLATION.)</li> <li>Are the left and right BSM control modules installed correctly?</li> </ul>	Yes
		No
		Go to the next step. Install the BSM control modules in their proper positions, then go to Step 6.

Step	Inspection	Action	
2	<b>INSPECT BSM CONTROL MODULE (LH) CONNECTOR CONDITION</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-D 2.2].)</li> <li>• Disconnect the BSM control module (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>	Yes	Go to the next step.
		No	Repair or replace the connector, then go to Step 6.
3	<b>INSPECT BSM CONTROL MODULE (LH) CIRCUIT FOR OPEN CIRCUIT</b> <ul style="list-style-type: none"> <li>• Verify that the BSM control module (LH) connector is disconnected.</li> <li>• Inspect the wiring harness between the following terminals (vehicle wiring harness side) and body ground for continuity. <ul style="list-style-type: none"> <li>— BSM control module (LH) terminal A</li> <li>— BSM control module (LH) terminal E</li> </ul> </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 6.
4	<b>INSPECT BSM CONTROL MODULE (RH) CONNECTOR CONDITION</b> <ul style="list-style-type: none"> <li>• Disconnect the BSM control module (RH) 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 BSM CONTROL MODULE (RH) CIRCUIT FOR OPEN CIRCUIT</b> <ul style="list-style-type: none"> <li>• Verify that the BSM control module (RH) connector is disconnected.</li> <li>• Inspect for continuity between BSM control module (RH) terminal A (vehicle wiring harness side) and body ground.</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.
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-D 2.2].)</li> <li>• Clear BSM control module DTCs using the M-MDS. (See CLEARING DTC [BLIND SPOT MONITORING (BSM)].)</li> <li>• Perform the DTC inspection for the BSM control module using the M-MDS. (See DTC INSPECTION [BLIND SPOT MONITORING (BSM)].)</li> <li>• Is DTC U3000:4A displayed?</li> </ul>	Yes	Repeat the inspection from Step 1. • If the malfunction recurs, replace the BSM control module, then go to the next step. (See BLIND SPOT MONITORING (BSM) CONTROL MODULE REMOVAL/INSTALLATION.)
		No	Go to the next step.

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Step	Inspection		Action
7	<b>VERIFY IF OTHER DTCs DISPLAYED</b> • Are any other DTCs displayed?	Yes	Repair the malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [BLIND SPOT MONITORING (BSM)].)
		No	DTC troubleshooting completed.