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

id0902i3393500

System malfunction location	BSM control module assembly malfunction		
Detection	• The left and right BSM control modules are installed in reverse, or an open circuit is detected in the BSM		
condition	control module circuit.		
Fail-safe	_		
Possible cause	<ul> <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> <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>		
7//	BSM CONTROL MODULE (RH)  WA MS CAN_H H  WE MS CAN_L G  BSM CONTROL MODULE (RH)  WIRING HARNESS-SIDE CONNECTOR		
	A C E G B D F H		

**Diagnostic Procedure** 

Step	Inspection		Action
1	VERIFY IF LEFT AND RIGHT BSM CONTROL	Yes	Go to the next step.
	MODULES ARE INSTALLED IN REVERSE	No	Install the BSM control modules in their proper positions,
	Verify that the left and right indication labels are		then go to Step 6.
	attached to the BSM control modules.		
	(See BLIND SPOT MONITORING (BSM)		
	CONTROL MODULE REMOVAL/		
	INSTALLATION.)		
	Are the left and right BSM control modules		
	installed correctly?		

Step Inspection Action  INSPECT BSM CONTROL MODULE (LH) CONNECTOR CONDITION Switch the ignition to off. 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].) Disconnect the BSM control module (LH) connector. Inspect the connector engagement and connection condition and inspect the terminals for damage, deformation, corrosion, or disconnection. Is the connector normal?  INSPECT BSM CONTROL MODULE (LH) CIRCUIT FOR OPEN CIRCUIT Verify that the BSM control module (LH) connector is disconnected. Inspect the wiring harness between the following terminals (vehicle wiring harness side) and body ground for continuity. BSM control module (LH) terminal A BSM control module (LH) terminal E Is there continuity?  INSPECT BSM CONTROL MODULE (RH) CONNECTOR CONDITION  Disconnect the BSM control module (RH) connector: Inspect the wiring harness between the following terminals (vehicle wiring harness side) and body ground for continuity.  BSM control module (LH) terminal A BSM control module (LH) terminal E Is there continuity?  Yes Go to the next step. Repair or replace the wiring harness which has circuit, then go to Step 6.	
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mopost the commetter engagement and	
connection condition and inspect the terminals	
for damage, deformation, corrosion, or	
disconnection.	
• Is the connector normal?	
5 INSPECT BSM CONTROL MODULE (RH)  Yes Go to the next step.	
CIRCUIT FOR OPEN CIRCUIT  No Repair or replace the wiring harness which ha	is an open
Verify that the BSM control module (RH)     circuit, then go to the next step.	
connector is disconnected.	
Inspect for continuity between BSM control      The state of the	
module (RH) terminal A (vehicle wiring harness side) and body ground.	
• Is there continuity?	
6 <b>VERIFY THAT REPAIRS HAVE BEEN</b> Yes Repeat the inspection from Step 1.	
COMPLETED • If the malfunction recurs, replace the BSM c	ontrol
• Reconnect all the disconnected connectors.   module, then go to the next step.	OTTU OI
• Reconnect the disconnected negative battery	ONTROL
cable. (See BEIND SPOT MICHITORING (BSM) Co	SITTIOL
(See NEGATIVE BATTERY CABLE  No Go to the next step.	
DISCONNECTION/CONNECTION	
[SKYACTIV-G 2.0, SKYACTIV-G 2.5].)	
(See NEGATIVE BATTERY CABLE	
DISCONNECTION/CONNECTION	
[SKYACTIV-D 2.2].)	
Clear BSM control module DTCs using the M-	
MDS.	
(See CLEARING DTC [BLIND SPOT	
MONITORING (BSM)].)	
Perform the DTC inspection for the BSM control	
module using the M-MDS.	
(See DTC INSPECTION [BLIND SPOT	
MONITORING (BSM)].)	
• Is DTC U3000:4A displayed?	

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