

## BSM OFF INDICATOR LIGHT DOES NOT ILLUMINATE WHEN THE IGNITION IS SWITCHED TO ON [BLIND SPOT MONITORING (BSM)]

id0903d9015000

<b>Description</b>	<b>BSM OFF indicator light does not illuminate when the ignition is switched to ON</b> <ul style="list-style-type: none"> <li>BSM OFF indicator light does not illuminate when the ignition is switched to ON.</li> <li>The BSM control module does not communicate with the M-MDS.</li> </ul>
<b>Possible Causes</b>	<ul style="list-style-type: none"> <li>BSM control module (RH) does not initiate               <ul style="list-style-type: none"> <li>Open or short circuit in BSM control module (RH) power supply circuit (open or short to ground circuit in wiring harness between push button start and BSM control module (RH) terminal B)</li> <li>Open circuit in BSM control module (RH) ground circuit (open circuit in wiring harness between BSM control module (RH) and ground, poor contact at ground point)</li> <li>BSM control module (RH) malfunction</li> </ul> </li> <li>Instrument cluster does not illuminate BSM OFF indicator light               <ul style="list-style-type: none"> <li>Instrument cluster malfunction</li> </ul> </li> </ul>

### Diagnostic Procedure

Step	Inspection	Result	Action
1*	<b>INSPECT BSM CONTROL MODULE (RH) POWER SUPPLY VOLTAGE</b> <ul style="list-style-type: none"> <li>Switch the ignition ON (engine off or on).</li> <li>Measure the voltage at BSM control module (RH) terminal B.</li> <li>Is the voltage B+?</li> </ul>	Yes	Go to the next step.
		No	Inspect and repair for the following: <ul style="list-style-type: none"> <li>Inspect the condition of fuses between the push button start and the BSM control module (RH), and perform repairs at the location where the fuse is blown.</li> <li>Inspect for an open circuit in the wiring harness between the or push button start and the BSM control module (RH).</li> </ul>
2*	<b>INSPECT BSM CONTROL MODULE (RH) GROUND CIRCUIT</b> <ul style="list-style-type: none"> <li>Switch the ignition to off (LOCK).</li> <li>Verify that there is continuity between the BSM control module (RH) terminal E and ground.</li> <li>Is there continuity?</li> </ul>	Yes	Go to the next step.
		No	Inspect and repair the ground point. Repair or replace for an open circuit between the BSM control module (RH) and ground.
3	<b>INSPECT IF MALFUNCTION IS IN INSTRUMENT CLUSTER OR BSM CONTROL MODULE (RH)</b> <ul style="list-style-type: none"> <li>Turn off the BSM OFF indicator light using the M-MDS instrument cluster active command modes WL+IL. (See ACTIVE COMMAND MODES TABLE [INSTRUMENT CLUSTER].)</li> <li>Does the BSM OFF indicator light turn on according to the active command modes?</li> </ul>	Yes	Replace the BSM control module (RH). (See BLIND SPOT MONITORING (BSM) CONTROL MODULE REMOVAL/ INSTALLATION.)
		No	Replace the instrument cluster. (See INSTRUMENT CLUSTER REMOVAL/ INSTALLATION.)