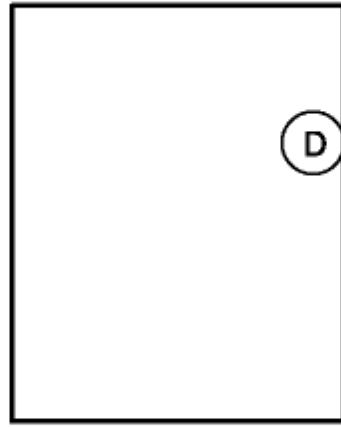


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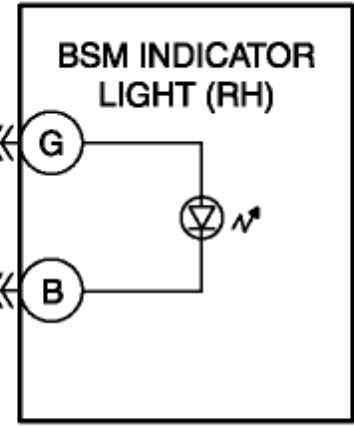
DTC B118D:15 [BLIND SPOT MONITORING (BSM)]

DESCRIPTION	Short to power supply or open circuit in BSM indicator light (RH) circuit
DETECTION CONDITION	• The BSM control module (RH) monitors the BSM indicator light (RH) load current, while the BSM indicator light (RH) is operating. If the decrease in the BSM indicator light (RH) load current is less than the specification, the BSM control module (RH) determines that the BSM indicator light (RH) circuit has a short to power supply or open circuit.
POSSIBLE CAUSE	• Connector or terminal malfunction • Short to power supply in the wiring harness between power outer mirror (RH) terminal G and BSM control module (RH) terminal D • Power outer mirror (RH) malfunction • BSM indicator light (RH) malfunction • Open circuit in wiring harness between power outer mirror (RH) terminal B and body ground • Open circuit in wiring harness between power outer mirror (RH) terminal G and BSM control module (RH) terminal D • BSM control module (RH) malfunction

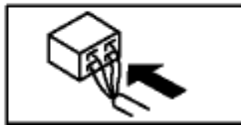
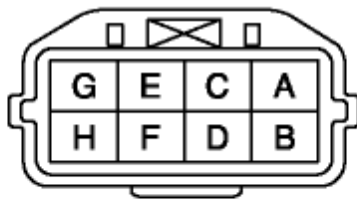
BSM CONTROL MODULE (RH)



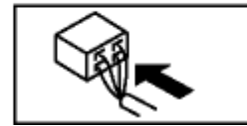
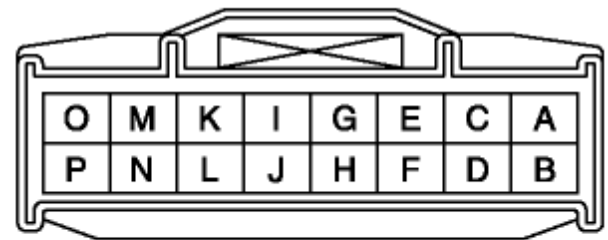
POWER OUTER MIRROR (RH)



BSM CONTROL MODULE (RH) WIRING HARNESS-SIDE CONNECTOR



POWER OUTER MIRROR (RH) WIRING HARNESS-SIDE CONNECTOR



Diagnostic procedure

STEP	INSPECTION	ACTION
1	CLASSIFY SHORT TO POWER SUPPLY OR OPEN CIRCUIT MALFUNCTION - Start the engine and run it at idle. - Verify the BSM indicator light status. - Does the BSM indicator light always illuminate?	Yes Go to the next step.
		No Go to Step 7.
2	INSPECT POWER OUTER MIRROR (RH) CONNECTOR CONDITION - Switch the ignition to off. - Disconnect the power outer mirror (RH) connector. - Inspect for poor connection (damaged/pulled-out pins, corrosion). - Is there any malfunction?	Yes Repair or replace the connector or terminal, then go to Step 13.
		No Go to the next step.

3	INSPECT BSM CONTROL MODULE (RH) CONNECTOR CONDITION • Disconnect the BSM control module (RH) connector. • Inspect for poor connection (damaged/pulled-out pins, corrosion). • Is there any malfunction?	Yes	Repair or replace the connector or terminal, then go to Step 13.
		No	Go to the next step.
4	INSPECT BSM INDICATOR LIGHT (RH) CONTROL CIRCUIT FOR SHORT TO POWER SUPPLY • Start the engine and run it at idle. • Measure the voltage between power outer mirror (RH) terminal G (wiring harness-side) and body ground. • Is there any voltage?	Yes	Repair or replace the wiring harness for a possible short to power supply, then go to Step 13.
		No	Go to the next step.
5	INSPECT POWER OUTER MIRROR (RH) • Inspect the power outer mirror (RH). (See POWER OUTER MIRROR INSPECTION.) • Is there any malfunction?	Yes	Replace the power outer mirror (RH), then go to Step 13. (See POWER OUTER MIRROR REMOVAL/ INSTALLATION .)
		No	Go to the next step.
6	INSPECT BSM INDICATOR LIGHT (RH) • Inspect the BSM indicator light (RH). • Is there any malfunction?	Yes	Replace the outer mirror glass (RH), then go to Step 13. (See OUTER MIRROR GLASS REMOVAL .) (See OUTER MIRROR GLASS INSTALLATION .)
		No	Go to Step 13.
7	INSPECT POWER OUTER MIRROR (RH) CONNECTOR CONDITION • Switch the ignition to off. • Disconnect the power outer mirror (RH) connector. • Inspect for poor connection (damaged/pulled-out pins, corrosion). • Is there any malfunction?	Yes	Repair or replace the connector or terminal, then go to Step 13.
		No	Go to the next step.

8	INSPECT BSM INDICATOR LIGHT (RH) GROUND CIRCUIT FOR OPEN CIRCUIT - Inspect for continuity between power outer mirror (RH) terminal B (wiring harness-side) and body ground. - Is there continuity?	Yes	Go to the next step.
		No	Repair or replace the wiring harness for a possible open circuit, then go to Step 13.
9	INSPECT POWER OUTER MIRROR (RH) - Inspect the power outer mirror (RH). (See POWER OUTER MIRROR INSPECTION.) - Is there any malfunction?	Yes	Replace the power outer mirror (RH), then go to Step 13. (See POWER OUTER MIRROR REMOVAL/ INSTALLATION .)
		No	Go to the next step.
10	INSPECT BSM INDICATOR LIGHT (RH) - Inspect the BSM indicator light (RH). - Is there any malfunction?	Yes	Replace the outer mirror glass (RH), then go to Step 13. (See OUTER MIRROR GLASS REMOVAL .) (See OUTER MIRROR GLASS INSTALLATION .)
		No	Go to the next step.
11	INSPECT BSM CONTROL MODULE (RH) CONNECTOR CONDITION - Disconnect the BSM control module (RH) connector. - Inspect for poor connection (damaged/pulled-out pins, corrosion). - Is there any malfunction?	Yes	Repair or replace the connector or terminal, then go to Step 13.
		No	Go to the next step.
12	INSPECT BSM INDICATOR LIGHT (RH) CONTROL CIRCUIT FOR OPEN CIRCUIT - Inspect for continuity between BSM control module (RH) terminal D (wiring harness-side) and power outer mirror (RH) terminal G (wiring harness-side). - Is there continuity?	Yes	Go to the next step.
		No	Repair or replace the wiring harness for a possible open circuit, then go to the next step.
13	VERIFY TROUBLESHOOTING COMPLETED - Switch the ignition to off. - Make sure to reconnect the disconnected connectors.	Yes	Replace the BSM control module (RH), then go to the next step. (See BLIND SPOT MONITORING (BSM) CONTROL MODULE REMOVAL/ INSTALLATION .)

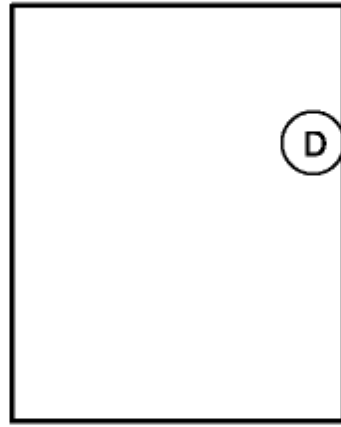
	• Connect the M-MDS to the DLC-2. • Switch the ignition to ON. • Clear the DTC from the BSM control module memory using the M-MDS. (See CLEARING DTC [BLIND SPOT MONITORING (BSM)].) • Perform the self-test with M-MDS. (See DTC INSPECTION [BLIND SPOT MONITORING (BSM)].) • Is the same DTC present?	No	Go to the next step.
14	VERIFY THAT NO OTHER DTCs ARE RECORDED • Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [BLIND SPOT MONITORING (BSM)] .)
		No	DTC troubleshooting completed.

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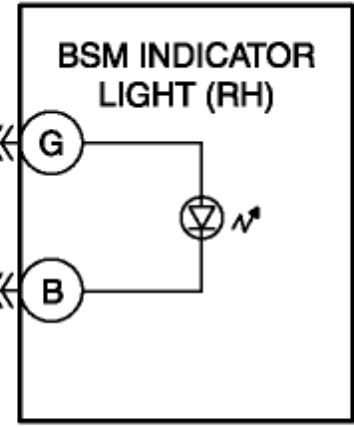
DTC B118D:15 [BLIND SPOT MONITORING (BSM)]

DESCRIPTION	Short to power supply or open circuit in BSM indicator light (RH) circuit
DETECTION CONDITION	• The BSM control module (RH) monitors the BSM indicator light (RH) load current, while the BSM indicator light (RH) is operating. If the decrease in the BSM indicator light (RH) load current is less than the specification, the BSM control module (RH) determines that the BSM indicator light (RH) circuit has a short to power supply or open circuit.
POSSIBLE CAUSE	• Connector or terminal malfunction • Short to power supply in the wiring harness between power outer mirror (RH) terminal G and BSM control module (RH) terminal D • Power outer mirror (RH) malfunction • BSM indicator light (RH) malfunction • Open circuit in wiring harness between power outer mirror (RH) terminal B and body ground • Open circuit in wiring harness between power outer mirror (RH) terminal G and BSM control module (RH) terminal D • BSM control module (RH) malfunction

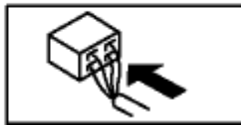
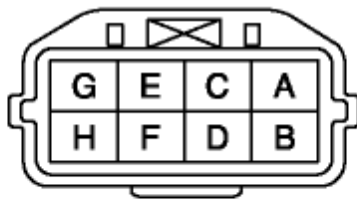
BSM CONTROL MODULE (RH)



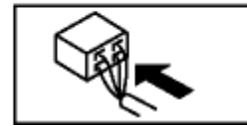
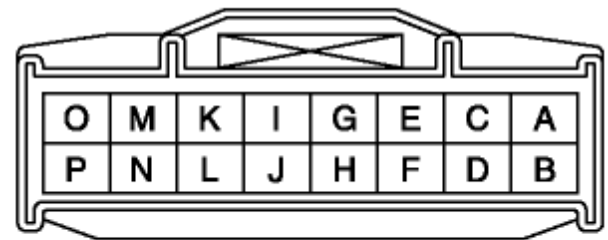
POWER OUTER MIRROR (RH)



BSM CONTROL MODULE (RH) WIRING HARNESS-SIDE CONNECTOR



POWER OUTER MIRROR (RH) WIRING HARNESS-SIDE CONNECTOR



Diagnostic procedure

STEP	INSPECTION	ACTION
1	CLASSIFY SHORT TO POWER SUPPLY OR OPEN CIRCUIT MALFUNCTION - Start the engine and run it at idle. - Verify the BSM indicator light status. - Does the BSM indicator light always illuminate?	Yes Go to the next step.
		No Go to Step 7.
2	INSPECT POWER OUTER MIRROR (RH) CONNECTOR CONDITION - Switch the ignition to off. - Disconnect the power outer mirror (RH) connector. - Inspect for poor connection (damaged/pulled-out pins, corrosion). - Is there any malfunction?	Yes Repair or replace the connector or terminal, then go to Step 13.
		No Go to the next step.

3	INSPECT BSM CONTROL MODULE (RH) CONNECTOR CONDITION • Disconnect the BSM control module (RH) connector. • Inspect for poor connection (damaged/pulled-out pins, corrosion). • Is there any malfunction?	Yes	Repair or replace the connector or terminal, then go to Step 13.
		No	Go to the next step.
4	INSPECT BSM INDICATOR LIGHT (RH) CONTROL CIRCUIT FOR SHORT TO POWER SUPPLY • Start the engine and run it at idle. • Measure the voltage between power outer mirror (RH) terminal G (wiring harness-side) and body ground. • Is there any voltage?	Yes	Repair or replace the wiring harness for a possible short to power supply, then go to Step 13.
		No	Go to the next step.
5	INSPECT POWER OUTER MIRROR (RH) • Inspect the power outer mirror (RH). (See POWER OUTER MIRROR INSPECTION.) • Is there any malfunction?	Yes	Replace the power outer mirror (RH), then go to Step 13. (See POWER OUTER MIRROR REMOVAL/ INSTALLATION .)
		No	Go to the next step.
6	INSPECT BSM INDICATOR LIGHT (RH) • Inspect the BSM indicator light (RH). • Is there any malfunction?	Yes	Replace the outer mirror glass (RH), then go to Step 13. (See OUTER MIRROR GLASS REMOVAL .) (See OUTER MIRROR GLASS INSTALLATION .)
		No	Go to Step 13.
7	INSPECT POWER OUTER MIRROR (RH) CONNECTOR CONDITION • Switch the ignition to off. • Disconnect the power outer mirror (RH) connector. • Inspect for poor connection (damaged/pulled-out pins, corrosion). • Is there any malfunction?	Yes	Repair or replace the connector or terminal, then go to Step 13.
		No	Go to the next step.

8	INSPECT BSM INDICATOR LIGHT (RH) GROUND CIRCUIT FOR OPEN CIRCUIT - Inspect for continuity between power outer mirror (RH) terminal B (wiring harness-side) and body ground. - Is there continuity?	Yes	Go to the next step.
		No	Repair or replace the wiring harness for a possible open circuit, then go to Step 13.
9	INSPECT POWER OUTER MIRROR (RH) - Inspect the power outer mirror (RH). (See POWER OUTER MIRROR INSPECTION.) - Is there any malfunction?	Yes	Replace the power outer mirror (RH), then go to Step 13. (See POWER OUTER MIRROR REMOVAL/ INSTALLATION .)
		No	Go to the next step.
10	INSPECT BSM INDICATOR LIGHT (RH) - Inspect the BSM indicator light (RH). - Is there any malfunction?	Yes	Replace the outer mirror glass (RH), then go to Step 13. (See OUTER MIRROR GLASS REMOVAL .) (See OUTER MIRROR GLASS INSTALLATION .)
		No	Go to the next step.
11	INSPECT BSM CONTROL MODULE (RH) CONNECTOR CONDITION - Disconnect the BSM control module (RH) connector. - Inspect for poor connection (damaged/pulled-out pins, corrosion). - Is there any malfunction?	Yes	Repair or replace the connector or terminal, then go to Step 13.
		No	Go to the next step.
12	INSPECT BSM INDICATOR LIGHT (RH) CONTROL CIRCUIT FOR OPEN CIRCUIT - Inspect for continuity between BSM control module (RH) terminal D (wiring harness-side) and power outer mirror (RH) terminal G (wiring harness-side). - Is there continuity?	Yes	Go to the next step.
		No	Repair or replace the wiring harness for a possible open circuit, then go to the next step.
13	VERIFY TROUBLESHOOTING COMPLETED - Switch the ignition to off. - Make sure to reconnect the disconnected connectors.	Yes	Replace the BSM control module (RH), then go to the next step. (See BLIND SPOT MONITORING (BSM) CONTROL MODULE REMOVAL/ INSTALLATION .)

	• Connect the M-MDS to the DLC-2. • Switch the ignition to ON. • Clear the DTC from the BSM control module memory using the M-MDS. (See CLEARING DTC [BLIND SPOT MONITORING (BSM)].) • Perform the self-test with M-MDS. (See DTC INSPECTION [BLIND SPOT MONITORING (BSM)].) • Is the same DTC present?	No	Go to the next step.
14	VERIFY THAT NO OTHER DTCs ARE RECORDED • Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [BLIND SPOT MONITORING (BSM)] .)
		No	DTC troubleshooting completed.