

		®/Cross Traffic Alert (CTA) LED output circuit.
B118D:15	Right Blind Spot Warning Indicator: Circuit Short To Battery or Open	This DTC sets in continuous memory and on-demand in the PDM when an open circuit is detected on the RH exterior mirror BLIS ®/Cross Traffic Alert (CTA) LED output circuit.

Possible Causes

- Wiring, terminals or connectors
- Communication network concern
- Exterior mirror
- DDM
- PDM
- Exterior mirror BLIS ®/Cross Traffic Alert (CTA) LED (part of the exterior mirror glass)

DIAGNOSIS AND TESTING > BLIND SPOT INFORMATION SYSTEM > PINPOINT TESTS > PINPOINT TEST D : AN EXTERIOR MIRROR BLIS (BLIND SPOT INFORMATION SYSTEM) ®/CROSS TRAFFIC ALERT (CTA) LED (LIGHT EMITTING DIODE) IS INOPERATIVE > PINPOINT TEST D : AN EXTERIOR MIRROR BLIS (BLIND SPOT INFORMATION SYSTEM) ®/CROSS TRAFFIC ALERT (CTA) LED (LIGHT EMITTING DIODE) IS INOPERATIVE

 **NOTE:** Use the correct probe adapter(s) when making measurements. Failure to use the correct probe adapter(s) may cause damage to the connector. Use only Rotunda Flex Probes (NUD105-R025D)

D1 CHECK THE BLIS (BLIND SPOT INFORMATION SYSTEM) ®/CROSS TRAFFIC ALERT (CTA) OPERATION

Start the engine.

Observe the left and right exterior mirror BLIS ®/Cross Traffic Alert (CTA) Light Emitting Diodes (LEDs).

Do the left and right BLIS ®/Cross Traffic Alert (CTA) Light Emitting Diodes (LEDs) illuminate and turn off after 3 seconds?

Yes	The system is operating correctly at this time. The concern may have been caused by an intermittent fault condition. VERIFY the operation of the BLIS ® and Cross Traffic Alert
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	(CTA) system.
No	GO to D2

D2 PERFORM A NETWORK TEST

Ignition OFF.

Ignition ON.

Using a diagnostic scan tool, perform a network test.

Do the DDM and PDM pass the network test?

Yes	GO to D3
No	REFER to: Communications Network .

D3 CHECK FOR RECORDED DIAGNOSTIC TROUBLE CODES (DTCS) FROM THE DDM (DRIVER DOOR MODULE) OR PDM (PASSENGER DOOR MODULE) SELF-TEST

Using a diagnostic scan tool, perform the DDM (LH LED concern) or PDM (RH LED concern) self-tests.

Is DDM DTC B118C:11 or PDM DTC B118D:11 present?

Yes	For DTC B118C:11, GO to D4 For DTC B118D:11, GO to D10
No	If the LH BLIS ®/Cross Traffic Alert (CTA) LED is inoperative, GO to D7 If the RH BLIS ®/Cross Traffic Alert (CTA) LED is inoperative, GO to D13

D4 CHECK THE DDM (DRIVER DOOR MODULE) DIAGNOSTIC TROUBLE CODES (DTCS) WITH THE LH (LEFT-HAND) BLIS (BLIND SPOT INFORMATION SYSTEM) ®/CROSS TRAFFIC ALERT (CTA) LED (LIGHT EMITTING DIODE) DISCONNECTED

Using the diagnostic scan tool, clear the DDM Diagnostic Trouble Codes (DTCs).

Ignition OFF.

Disconnect: LH BLIS ®/CROSS TRAFFIC ALERT (CTA) LED C576 .

Ignition ON.



NOTE: DTC B118C:11 may be set during this step, it can be ignored.

Using the diagnostic scan tool, perform the DDM self-test.

Is DTC B118C:15 present?

Yes	INSTALL a new LH exterior mirror glass. REFER to: Exterior Mirror - Vehicles With: Long Arm Mirrors . REFER to: Exterior Mirror - Vehicles With: Short Arm Mirrors .
No	GO to D5

D5 CHECK THE EXTERIOR MIRROR HARNESS FOR A SHORT TO GROUND

Using the diagnostic scan tool, clear the DDM Diagnostic Trouble Codes (DTCs).

Ignition OFF.

Disconnect: LH Exterior Mirror C521 .

Ignition ON.

 **NOTE:** DTC B118C:11 may set during this step, it can be ignored.

Using the diagnostic scan tool, perform the DDM self-test.

Is DTC B118C:15 present?

Yes	REPAIR the exterior mirror jumper harness as necessary. If the harness cannot be repaired, INSTALL a new exterior mirror. REFER to: Exterior Mirror - Vehicles With: Long Arm Mirrors . REFER to: Exterior Mirror - Vehicles With: Short Arm Mirrors .
No	GO to D6

D6 CHECK THE LH (LEFT-HAND) BLIS (BLIND SPOT INFORMATION SYSTEM) ®/CROSS TRAFFIC ALERT (CTA) LED (LIGHT EMITTING DIODE) CIRCUIT FOR A SHORT TO GROUND

Ignition OFF.

Disconnect: DDM C501B .

Measure:

Positive Lead	Measurement / Action	Negative Lead
C501B-19	Ω	Ground

Is the resistance greater than 10, 000 ohms?

Yes	GO to D16
No	REPAIR the circuit.

D7 CHECK THE DDM (DRIVER DOOR MODULE) DIAGNOSTIC TROUBLE CODES (DTCS) WITH THE LH (LEFT-HAND) BLIS (BLIND SPOT INFORMATION SYSTEM) ®/CROSS TRAFFIC

ALERT (CTA) LED (LIGHT EMITTING DIODE) CIRCUITS JUMPED TOGETHER

Ignition OFF.

Disconnect: LH BLIS ®/CROSS TRAFFIC ALERT (CTA) LED C576 .

Connect:

Positive Lead	Measurement / Action	Negative Lead
C576-1		C576-2

Ignition ON.

Using a diagnostic scan tool, perform the DDM self-test.

Is DTC B118C:11 present?

Yes	REMOVE the fused jumper wire. INSTALL a new LH exterior mirror glass. REFER to: Exterior Mirror - Vehicles With: Long Arm Mirrors . REFER to: Exterior Mirror - Vehicles With: Short Arm Mirrors .
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No	REMOVE the fused jumper wire. GO to D8
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D8 CHECK THE DDM (DRIVER DOOR MODULE) DIAGNOSTIC TROUBLE CODES (DTCS) WITH THE LH (LEFT-HAND) BLIS (BLIND SPOT INFORMATION SYSTEM) ®/CROSS TRAFFIC ALERT (CTA) LED (LIGHT EMITTING DIODE) CIRCUITS JUMPED TOGETHER AT THE LH (LEFT-HAND) EXTERIOR MIRROR

Ignition OFF.

Disconnect: LH Exterior Mirror C521 .

Connect

Positive Lead	Measurement / Action	Negative Lead
C521-13		C521-20

Ignition ON.

Using a diagnostic scan tool, perform the DDM self-test.

Is DTC B118C:11 present?

Yes	REPAIR the exterior mirror jumper harness as necessary. If the harness cannot be repaired, INSTALL a new exterior mirror. REFER to: Exterior Mirror - Vehicles With: Long Arm Mirrors . REFER to: Exterior Mirror - Vehicles With: Short Arm Mirrors .
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No	REMOVE the fused jumper wire. GO to D9
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D9 CHECK THE LH (LEFT-HAND) BLIS (BLIND SPOT INFORMATION SYSTEM) ®/CROSS TRAFFIC ALERT (CTA) LED (LIGHT EMITTING DIODE) CIRCUITS FOR AN OPEN BETWEEN THE DDM (DRIVER DOOR MODULE) AND THE LH (LEFT-HAND) EXTERIOR MIRROR.

Ignition OFF.

Disconnect: DDM C501B .

Measure:

Positive Lead	Measurement / Action	Negative Lead
C521-13	Ω	C501B-19
C521-20	Ω	C501B-15

Is the resistance less than 3 ohms?

Yes	GO to D16
No	REPAIR the affected circuit.

D10 CHECK THE PDM (PASSENGER DOOR MODULE) DIAGNOSTIC TROUBLE CODES (DTCs) WITH THE RH (RIGHT-HAND) BLIS (BLIND SPOT INFORMATION SYSTEM) ®/CROSS TRAFFIC ALERT (CTA) LED (LIGHT EMITTING DIODE) DISCONNECTED

Using the diagnostic scan tool, clear the PDM Diagnostic Trouble Codes (DTCs).

Ignition OFF.

Disconnect: RH BLIS ®/CROSS TRAFFIC ALERT (CTA) LED C676 .

Ignition ON.



NOTE: DTC B118D:11 may set during this step, it can be ignored.

Using the diagnostic scan tool, perform the PDM self-test.

Is DTC B118D:15 present?

Yes	INSTALL a new RH exterior mirror glass. REFER to: Exterior Mirror - Vehicles With: Long Arm Mirrors . REFER to: Exterior Mirror - Vehicles With: Short Arm Mirrors .
No	GO to D11

D11 CHECK THE EXTERIOR MIRROR HARNESS FOR A SHORT TO GROUND

Using the diagnostic scan tool, clear the PDM Diagnostic Trouble Codes (DTCs).

Ignition OFF.

Disconnect: RH Exterior Mirror C622 .

Ignition ON.

 **NOTE:** DTC B118D:11 may set during this step, it can be ignored.

Using the diagnostic scan tool, perform the PDM self-test.

Is DTC B118D:15 present?

Yes	REPAIR the exterior mirror jumper harness as necessary. If the harness cannot be repaired, INSTALL a new exterior mirror. REFER to: Exterior Mirror - Vehicles With: Long Arm Mirrors . REFER to: Exterior Mirror - Vehicles With: Short Arm Mirrors .
No	GO to D12

D12 CHECK THE RH (RIGHT-HAND) BLIS (BLIND SPOT INFORMATION SYSTEM) ®/CROSS TRAFFIC ALERT (CTA) LED (LIGHT EMITTING DIODE) CIRCUIT FOR A SHORT TO GROUND

Ignition OFF.

Disconnect: PDM C652B .

Measure:

Positive Lead	Measurement / Action	Negative Lead
C652B-19	Ω	Ground

Is the resistance greater than 10, 000 ohms?

Yes	GO to D17
No	REPAIR the circuit.

D13 CHECK THE PDM (PASSENGER DOOR MODULE) DIAGNOSTIC TROUBLE CODES (DTCS) WITH THE RH (RIGHT-HAND) BLIS (BLIND SPOT INFORMATION SYSTEM) ®/CROSS TRAFFIC ALERT (CTA) LED (LIGHT EMITTING DIODE) CIRCUITS JUMPED TOGETHER

Ignition OFF.

Disconnect: RH BLIS ®/CROSS TRAFFIC ALERT (CTA) LED C676 .

Connect:

Positive Lead	Measurement / Action	Negative Lead
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C676-1		C676-2
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Ignition ON.

Using a diagnostic scan tool, perform the PDM self-test.

Is DTC B118D:11 present?

Yes	REMOVE the fused jumper wire. INSTALL a new RH exterior mirror glass. REFER to: Exterior Mirror - Vehicles With: Long Arm Mirrors . REFER to: Exterior Mirror - Vehicles With: Short Arm Mirrors .
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No	REMOVE the fused jumper wire. GO to D14
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D14 CHECK THE PDM (PASSENGER DOOR MODULE) DIAGNOSTIC TROUBLE CODES (DTCS) WITH THE RH (RIGHT-HAND) BLIS (BLIND SPOT INFORMATION SYSTEM) ®/CROSS TRAFFIC ALERT (CTA) LED (LIGHT EMITTING DIODE) CIRCUITS JUMPED TOGETHER AT THE LH (LEFT-HAND) EXTERIOR MIRROR

Ignition OFF.

Disconnect: RH Exterior Mirror C622 .

Connect

Positive Lead	Measurement / Action	Negative Lead
C622-13		C622-20

Ignition ON.

Using a diagnostic scan tool, perform the PDM self-test.

Is DTC B118D:11 present?

Yes	REPAIR the exterior mirror jumper harness as necessary. If the harness cannot be repaired, INSTALL a new exterior mirror. REFER to: Exterior Mirror - Vehicles With: Long Arm Mirrors . REFER to: Exterior Mirror - Vehicles With: Short Arm Mirrors .
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No	REMOVE the fused jumper wire. GO to D15
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D15 CHECK THE RH (RIGHT-HAND) BLIS (BLIND SPOT INFORMATION SYSTEM) ®/CROSS TRAFFIC ALERT (CTA) LED (LIGHT EMITTING DIODE) CIRCUITS FOR AN OPEN BETWEEN THE PDM (PASSENGER DOOR MODULE) AND THE RH (RIGHT-HAND) EXTERIOR MIRROR.

Ignition OFF.

Disconnect: PDM C652B .

Measure:

Positive Lead	Measurement / Action	Negative Lead
C622-13	Ω	C652B-19
C622-20	Ω	C652B-15

Is the resistance less than 3 ohms?

Yes	GO to D17
No	REPAIR the affected circuit.

D16 CHECK FOR CORRECT DDM (DRIVER DOOR MODULE) OPERATION

Ignition OFF.

Disconnect and inspect all DDM connector and related in-line connectors.

Repair:

corrosion (install new connector or terminals - clean module pins)

damaged or bent pins - install new terminals/pins

pushed-out pins - install new pins as necessary

Reconnect the DDM connector and related in-line connectors. Make sure all connectors seat and latch correctly.

Operate the system and determine if the concern is still present.

Is the concern still present?

Yes	CHECK OASIS for any applicable Technical Service Bulletins (TSBs). If a TSB exists for this concern, DISCONTINUE this test and FOLLOW TSB instructions. If no Technical Service Bulletins (TSBs) address this concern, INSTALL a new DDM. REFER to: Driver Door Module (DDM) .
No	The system is operating correctly at this time. Concern may have been caused by a loose or corroded connector. ADDRESS the root cause of any connector or pin issues.

D17 CHECK FOR CORRECT PDM (PASSENGER DOOR MODULE) OPERATION

Ignition OFF.

Disconnect and inspect all PDM connector and related in-line connectors.

Repair:

corrosion (install new connector or terminals - clean module pins)

damaged or bent pins - install new terminals/pins