

REFER to: Exterior Lighting - Overview .

REFER to: Exterior Lighting - System Operation and Component Description .

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
B1046:11	Front Fog Lamp Control Switch: Circuit Short To Ground	A continuous and on-demand DTC that sets when the BCM detects a short to ground on the headlamp switch input circuits.
B1147:15	Left Front Fog Lamps: Circuit Short To Battery or Open	A continuous memory and on-demand DTC that sets when the BCM detects an open from the LH fog lamp output circuit.
B1148:15	Right Front Fog Lamps: Circuit Short To Battery or Open	A continuous and on-demand DTC that sets when the BCM detects a short to voltage from the RH fog lamp beam output circuit.

Possible Sources

- Wiring, terminals or connectors
- Headlamp switch
- BCM

Visual Inspection and Diagnostic Pre-checks

- Inspect the headlamp switch for damage.

DIAGNOSIS AND TESTING > FOG LAMPS > PINPOINT TESTS > PINPOINT TEST C : THE FRONT FOG LAMPS ARE ON CONTINUOUSLY > PINPOINT TEST C : THE FRONT FOG LAMPS ARE ON CONTINUOUSLY

C1 CHECK THE HEADLAMP SWITCH

Ignition OFF.

Disconnect: Headlamp Switch C205 .

Carry out the headlamp switch component test. Refer to Component Testing for schematic and connector information.

Does the headlamp switch pass the component test?

Yes	GO to C2
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No	INSTALL a new headlamp switch. REFER to: Headlamp Switch .
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C2 CHECK THE FOG LAMP VOLTAGE SUPPLY CIRCUITS FOR A SHORT TO VOLTAGE

Ignition OFF.

Disconnect: BCM C2280G .

Ignition ON.

Do the fog lamps continue to illuminate?

Yes	GO to C3
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No	REPAIR the circuits.
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C3 CHECK THE BCM (BODY CONTROL MODULE) FOG LAMP SWITCH INPUT CIRCUIT FOR A SHORT TO GROUND

Ignition OFF.

Disconnect: BCM C2280B .

Measure:

Positive Lead	Measurement / Action	Negative Lead
C205-14	Ω	Ground

Is the resistance greater than 10, 000 ohms?

Yes	GO to C4
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No	REPAIR the circuit.
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C4 CHECK FOR CORRECT BCM (BODY CONTROL MODULE) OPERATION

Disconnect and inspect all BCM and all 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 BCM and all related in-line connectors. Make sure they seat and latch correctly.