

Normal Operation and Fault Conditions

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

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
B1175:01	Driver Door Ajar Switch: General Electrical Failure	An on-demand DTC that sets when the BCM detects a fault on the LH front door ajar circuit.
B1176:01	Passenger Door Ajar Switch: General Electrical Failure	An on-demand DTC that sets when the BCM detects a fault on the RH front door ajar circuit.
B11C0:01	Driver Side Rear Door Ajar Switch: General Electrical Failure	An on-demand DTC that sets when the BCM detects a fault on the LH rear door ajar circuit.
B11C1:01	Passenger Side Rear Door Ajar Switch: General Electrical Failure	An on-demand DTC that sets when the BCM detects a fault on the RH rear door ajar circuit.

Possible Sources

- Wiring, terminals or connectors
- Door latch
- BCM

DIAGNOSIS AND TESTING > INTERIOR LIGHTING > PINPOINT TESTS > PINPOINT TEST A : THE COURTESY LAMPS DO NOT ILLUMINATE WITH A DOOR OPEN > PINPOINT TEST A : THE COURTESY LAMPS DO NOT ILLUMINATE WITH A DOOR OPEN



NOTE: Make sure the dark car feature is not enabled in the BCM. The dark car feature disables activation of courtesy lamps due to a door unlock, door ajar or removing the key from the ignition cylinder. The feature can be disabled using a scan tool.

A1 CHECK THE OPERATION OF THE COURTESY LAMP FUNCTION FROM THE FRONT/DRIVER INTERIOR LAMP

Ignition OFF.

Use the courtesy lamp switch on the front interior lamp to activate the overhead courtesy lamps.

Do the overhead courtesy lamps illuminate?

Yes	GO to A2
No	GO to Pinpoint Test B

A2 CHECK THE DOOR AJAR SWITCH OPERATION

Deactivate the overhead courtesy lamps from the front interior lamp.

Disconnect: suspect door latch.

Do the courtesy lamps illuminate?

Yes	For a front door, INSTALL a new front door latch. REFER to: Front Door Latch . For a SuperCab rear door, INSTALL a new rear door ajar switch. For a SuperCrew rear door, INSTALL a new rear door latch. REFER to: Rear Door Latch - SuperCrew .
No	GO to A3

A3 CHECK THE DOOR AJAR SWITCH INPUT CIRCUIT FOR A SHORT TO GROUND

Disconnect: BCM C2280E .

Measure:

LH Front Door Ajar Switch

Positive Lead	Measurement / Action	Negative Lead
C526-1	Ω	Ground

RH Front Door Ajar Switch

Positive Lead	Measurement / Action	Negative Lead
C602-1	Ω	Ground

LH Rear Door Ajar Switch

Positive Lead	Measurement / Action	Negative Lead
C715-1	Ω	Ground

RH Rear Door Ajar Switch

Positive Lead	Measurement / Action	Negative Lead
C820-1	Ω	Ground

Is the resistance greater than 10, 000 ohms?