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2001 FORD Fiesta 5 Doors OEM Service and Repair Workshop Manual


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- Measure:


LH (left-hand) Rear Parking Lamp

Positive Lead	Measurement / Action	Negative Lead
C4483-10		C4483-3

RH (right-hand) Rear Parking Lamp

Positive Lead	Measurement / Action	Negative Lead
C4484-10		C4484-3

Rear Lightbar Applique (liftgate parking lamp)

Positive Lead	Measurement / Action	Negative Lead
C4629-3		C4629-4

Is the voltage greater than 11 volts?

Yes	<p>For body mounted rear parking lamps, INSTALL a new rear lamp assembly. REFER to: Rear Lamp Assembly (417-01 Exterior Lighting, Removal and Installation).</p> <p>For liftgate mounted rear parking lamp, INSTALL a new reversing lamp. REFER to: Reversing Lamp - Electric (417-01 Exterior Lighting, Removal and Installation).</p>
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No	REPAIR the circuit.
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D6 CHECK THE REAR PARKING LAMP SUPPLY CIRCUIT FOR AN OPEN

- Measure:

LH (left-hand) Rear Parking Lamp

Positive Lead	Measurement / Action	Negative Lead
C4483-10	Ω	Ground

RH (right-hand) Rear Parking Lamp

Positive Lead	Measurement / Action	Negative Lead
C4484-10	Ω	Ground

Rear Lightbar Applique (liftgate parking lamp)

Positive Lead	Measurement / Action	Negative Lead
C4629-3	Ω	Ground

Is the resistance greater than 10,000 ohms?

Yes	GO to D8
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No

REPAIR the circuit. After the repair:

If no Diagnostic Trouble Codes (DTCs) are present, TEST the system for normal operation.

If DTC (diagnostic trouble code)

U1000:00 is present, CLEAR the Diagnostic Trouble Codes (DTCs) and REPEAT the self-test (required to enable the lamp output driver if DTC (diagnostic trouble code) U1000:00 is present).

If DTC (diagnostic trouble code) U3000:49 is present, INSTALL a new BCM (body control module)

.

REFER to: [Body Control Module \(BCM\)](#)



Parking, Rear and License Plate Lamps

417-01 Exterior Lighting	2022 F-150
Diagnosis and Testing	Procedure revision date: 08/10/2022

Parking, Rear and License Plate Lamps

Diagnostic Trouble Code (DTC) Chart

Diagnostics in this manual assume a certain skill level and knowledge of Ford-specific diagnostic practices.

REFER to: [Diagnostic Methods](#)

(100-00 General Information, Description and Operation).

Diagnostic Trouble Code Chart

Module	DTC (diagnostic trouble code)	Description	Action
BCM (body control module)	B109B:11	License Plate Light: Circuit Short To Ground	GO to Pinpoint Test A
BCM (body control module)	B109B:15	License Plate Light: Circuit Short To Battery or Open	GO to Pinpoint Test A
BCM (body control module)	B109B:15	License Plate Light: Circuit Short To Battery or Open	GO to Pinpoint Test B
BCM (body control module)	B10F3:11	Left Front Position Light: Circuit Short to Ground	GO to Pinpoint Test J
BCM (body control module)	B10F3:15	Left Front Position Light: Circuit Short to Battery or Open	GO to Pinpoint Test J

BCM (body control module)	B14A2:11	Tailgate/Liftgate Applique Lamps: Circuit Short to Ground	GO to Pinpoint Test I
BCM (body control module)	B14A2:15	Tailgate/Liftgate Applique Lamps: Circuit Short to Battery or Open	GO to Pinpoint Test H
BCM (body control module)	B14A2:15	Tailgate/Liftgate Applique Lamps: Circuit Short to Battery or Open	GO to Pinpoint Test I
BCM (body control module)	B14B2:11	Left Position Lamps: Circuit Short To Ground	GO to Pinpoint Test J
BCM (body control module)	B14B2:15	Left Position Lamps: Circuit Short To Battery or Open	GO to Pinpoint Test J
BCM (body control module)	B14B3:11	Right Position Lamps: Circuit Short To Ground	GO to Pinpoint Test J
BCM (body control module)	B14B3:15	Right Position Lamps: Circuit Short To Battery or Open	GO to Pinpoint Test J

Global Customer Symptom Code (GCSC) Chart

Diagnostics in this manual assume a certain skill level and knowledge of Ford-specific diagnostic practices.

REFER to: [Diagnostic Methods](#)

(100-00 General Information, Description and Operation).

Global Customer Symptom Code Chart

Customer Symptom	Action
Lighting/Glass/Vision > Exterior Lighting > Parking/Running > Inoperative	GO to Pinpoint Test A
Lighting/Glass/Vision > Exterior Lighting > Parking/Running > Inoperative	GO to Pinpoint Test C
Lighting/Glass/Vision > Exterior Lighting > Parking/Running > Inoperative	GO to Pinpoint Test D
Lighting/Glass/Vision > Exterior Lighting > Parking/Running > Inoperative	GO to Pinpoint Test

Lighting/Glass/Vision > Exterior Lighting > Center High Mount Stop (CHMSL) > Inoperative	GO to Pinpoint Test I
Lighting/Glass/Vision > Exterior Lighting > Center High Mount Stop (CHMSL) > Stays On	GO to Pinpoint Test I
Lighting/Glass/Vision > Exterior Lighting > License Plate > Inoperative	GO to Pinpoint Test G
Lighting/Glass/Vision > Exterior Lighting > License Plate > Stays On	GO to Pinpoint Test G

Symptom Chart(s)

Symptom Chart: Parking, Rear and License Plate Lamps

Diagnostics in this manual assume a certain skill level and knowledge of Ford-specific diagnostic practices.

REFER to: [Diagnostic Methods](#)

(100-00 General Information, Description and Operation).

Symptom Chart

Condition	Possible Sources	Actions
A module does not respond to the diagnostic scan tool	<ul style="list-style-type: none"> • Fuse • Wiring, terminals or connectors • Module 	REFER to: Exterior Lighting - System Operation and Component Description (417-01 Exterior Lighting, Description and Operation).
All front parking and, if equipped, front side fender marker and grille marker lamps are inoperative	Refer to the Pinpoint Test	GO to Pinpoint Test A
All front parking and, if equipped, front side fender marker and grille marker lamps are always on	Refer to the Pinpoint Test	GO to Pinpoint Test B
An individual front parking or side marker lamp is inoperative - Halogen headlamps	Refer to the Pinpoint Test	GO to Pinpoint Test C

DTC (diagnostic trouble code)	Description	Fault Trigger Condition
BCM (body control module) B109B:11	License Plate Light: Circuit Short To Ground	A continuous memory and on-demand DTC (diagnostic trouble code) that sets when the BCM (body control module) detects a short to ground from the license plate lamp output circuit, used for the front parking lamps.
BCM (body control module) B109B:15	License Plate Light: Circuit Short To Battery Or Open	A continuous memory and on-demand DTC (diagnostic trouble code) that sets when the BCM (body control module) detects an open from the license plate lamp output circuit, used for the front parking lamps.
BCM (body control module) B1446:11	Front Park Lamps Output: Circuit Short To Ground	A continuous memory and on-demand DTC (diagnostic trouble code) that sets when the BCM (body control module) detects a short to ground from the front parking lamp output circuit.
BCM (body control module) B1446:15	Front Park Lamps Output: Circuit Short To Battery Or Open	A continuous memory and on-demand DTC (diagnostic trouble code) that sets when the BCM (body control module) detects an open from the front parking lamp output circuit.

Possible Sources

- Wiring, terminals or connectors
- BCM (body control module)

A1 BYPASS THE BCM (BODY CONTROL MODULE)

NOTE

If the fused jumper wire fails, refer to the Wiring Diagrams Manual to identify the possible causes of the circuit short. After the repair: If no Diagnostic Trouble Codes (DTCs) are present, test the system for normal operation. If DTC (diagnostic trouble code) U1000:00 is present, CLEAR the Diagnostic Trouble Codes (DTCs) and REPEAT the self-test (required to enable the lamp output driver if DTC (diagnostic trouble code) U1000:00 is present). If DTC (diagnostic trouble code) U3000:49 is present, INSTALL a new BCM (body control module) .

- Place the headlamp switch in the OFF position.
- Ignition OFF.
- Disconnect: BCM (body control module) C2280G.

No	The system is operating correctly at this time. The concern may have been caused by module connections. ADDRESS the root cause of any connector or pin issues.
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PINPOINT TEST B : ALL FRONT PARKING AND, IF EQUIPPED, FRONT SIDE FENDER MARKER AND GRILLE MARKER LAMPS ARE ALWAYS ON

Refer to Wiring Diagrams Cell 92 for schematic and connector information.

Normal Operation and Fault Conditions REFER to: [Exterior Lighting - Overview](#)

(417-01 Exterior Lighting, Description and Operation).

REFER to: [Exterior Lighting - System Operation and Component Description](#)

(417-01 Exterior Lighting, Description and Operation).

DTC Fault Trigger Conditions

DTC (diagnostic trouble code)	Description	Fault Trigger Condition
BCM (body control module) B109B:15	License Plate Light: Circuit Short To Battery Or Open	A continuous memory and on-demand DTC (diagnostic trouble code) that sets when the BCM (body control module) detects a short to voltage from the license plate lamp output circuit, used for the front parking lamps.
BCM (body control module) B1446:15	Front Park Lamps Output: Circuit Short To Battery Or Open	A continuous memory and on-demand DTC (diagnostic trouble code) that sets when the BCM (body control module) detects a short to voltage from the license plate lamp output circuit, used for the front parking lamps.

Possible Sources

- Wiring, terminals or connectors
- BCM (body control module)

B1 CHECK THE PARKING LAMPS VOLTAGE SUPPLY CIRCUIT FOR A SHORT TO VOLTAGE

- Disconnect: BCM (body control module) C2280G.
- Ignition ON.

Do the front parking and, if equipped, front side fender marker and grille marker lamps still illuminate?

REFER to: [Exterior Lighting - System Operation and Component Description](#)
(417-01 Exterior Lighting, Description and Operation).

Possible Sources

- Bulb
- Wiring, terminals or connectors

C1 CHECK THE FRONT PARKING AND SIDE MARKER LAMPS OPERATION

- Place the headlamp switch in the PARKING LAMPS position and observe the front parking and side marker lamps operation.

Are both the LH (left-hand) front parking and side marker lamps or both RH (right-hand) front parking and side marker lamps inoperative?


Yes	REPAIR the front parking and side marker lamps ground circuit in question.
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No	GO to C2
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C2 CHECK FOR VOLTAGE TO THE FRONT SIDE MARKER OR PARKING LAMP

- Place the headlamp switch in the OFF position.
- Ignition OFF.
- Disconnect: Inoperative LH (left-hand) Front Park/Turn Lamp C1023 or RH (right-hand) Front Park/Turn Lamp C1043.
- Disconnect: Inoperative LH (left-hand) Front Side Marker Lamp C1127 or RH (right-hand) Front Side Marker Lamp C1126.
- Ignition ON.
- Place the headlamp switch in the PARKING LAMPS position.
- For a front park/turn lamp, measure:


LH (left-hand) Front Park Lamp

Positive Lead	Measurement / Action	Negative Lead
C1023-2		Ground

RH (right-hand) Front Park Lamp


C1023-2		C1023-1
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RH (right-hand) Front Park Lamp

Positive Lead	Measurement / Action	Negative Lead
C1043-2		C1043-1

- For a front side marker lamp, measure:

LH (left-hand) Front Side Marker Lamp

Positive Lead	Measurement / Action	Negative Lead
C1127-2		C1127-1

RH (right-hand) Front Side Marker Lamp

Positive Lead	Measurement / Action	Negative Lead
C1126-2		C1126-1

Is the voltage greater than 11 volts?

Yes	<p>For a front park/turn lamp, INSTALL a new front park/turn lamp bulb. REFER to: Front Turn Signal Lamp Bulb (417-01 Exterior Lighting, Removal and Installation).</p> <p>For a front side marker lamp, INSTALL a new front side marker lamp bulb. REFER to: Front Marker Lamp (417-01 Exterior Lighting, Removal and Installation).</p>
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