

Your Ultimate Source for OEM Repair Manuals


FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2000 FORD Fiesta 5 Doors OEM Service and Repair Workshop Manual


[Go to manual page](#)

- Place the headlamp switch in the PARKING LAMPS position.
- Measure:

LH (left-hand) Front Side Marker Lamp

Positive Lead	Measurement / Action	Negative Lead
C1127-2		Ground

RH (right-hand) Front Side Marker Lamp

Positive Lead	Measurement / Action	Negative Lead
C1126-2		Ground

Is the voltage greater than 11 volts?


Yes	GO to D3
------------	--------------------------

No	REPAIR the front parking lamp voltage supply circuit for an open.
-----------	---

D3 CHECK THE FRONT SIDE MARKER LAMP GROUND CIRCUIT FOR AN OPEN

- 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


C1285-3		Ground
---------	---	--------

- For auxiliary parking lamps (part of front fog lamps) except performance vehicles, measure:

LH (left-hand) Auxiliary Parking Lamp

Positive Lead	Measurement / Action	Negative Lead
C1322-3		Ground

RH (right-hand) Auxiliary Turn Lamp

Positive Lead	Measurement / Action	Negative Lead
C1323-3		Ground

Is the voltage approximately 2 volts?


Yes	GO to D5
------------	--------------------------

No	REPAIR the circuit for an open.
-----------	---------------------------------

D5 CHECK THE LED (LIGHT EMITTING DIODE) DRL (DAYTIME RUNNING LAMPS) /FRONT PARKING OR AUXILIARY PARKING LAMP CIRCUIT FOR AN OPEN

- For LED (light emitting diode) DRL (daytime running lamps) /front parking lamps, measure:

LH (left-hand) Parking Lamp

Positive Lead	Measurement / Action	Negative Lead
C1284-3		C1284-10

- Place the headlamp switch in the OFF position.
- Ignition OFF.
- Substitute the known good headlamp assembly from the opposite side of the vehicle.
- Ignition ON.
- Using a diagnostic scan tool, perform the BCM (body control module) Local Interconnect Network (LIN) New Module Initialization routine.
- CLEAR the Diagnostic Trouble Codes (DTCs), REPEAT the self-test (required to enable the lamp output driver) and cycle the ignition OFF and ON. REPEAT the self-test.
- Place the headlamp switch in the PARKING LAMPS position.
- Observe the system and determine if the concern is still present.

Is the concern still present ?

Yes	GO to D8
-----	--------------------------

No	GO to D7
----	--------------------------

D7 CHECK THE LED (LIGHT EMITTING DIODE) CONTROL MODULE

- Place the headlamp switch in the OFF position.
- Ignition OFF.
- Reinstall the original headlamp assembly for the inoperative side of the vehicle.

NOTE

Before using known good LED (light emitting diode) control module, make sure the part label exactly matches the suspect LED (light emitting diode) control module. If any differences are noted, do not use the module from the opposite side of the vehicle, INSTALL a new LED (light emitting diode) control module on the suspect headlamp.

Substitute the known good LED (light emitting diode) control module from the opposite headlamp.

- Ignition ON.
- Using a diagnostic scan tool, perform the BCM (body control module) Local Interconnect Network (LIN) New Module Initialization routine.
- CLEAR the Diagnostic Trouble Codes (DTCs), REPEAT the self-test (required to enable the lamp output driver) and cycle the ignition OFF and ON. REPEAT the self-test.
- Place the headlamp switch in the PARKING LAMPS position.
- Observe the system and determine if the concern is still present.

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.
-----------	--

PINPOINT TEST E : AN INDIVIDUAL FRONT PARKING LAMP IS INOPERATIVE - HIGH SERIES LED (LIGHT EMITTING DIODE) HEADLAMPS

Refer to Wiring Diagrams Cell 85 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).

Possible Sources

- Wiring, terminals or connectors
- LED (light emitting diode) control module
- Headlamp assembly

E1 CHECK THE LED (LIGHT EMITTING DIODE) DRL (DAYTIME RUNNING LAMPS) /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 all front parking and side marker lamps inoperative?

Yes	GO to Pinpoint Test A
------------	---------------------------------------

No	If a front side marker lamp is inoperative, GO to E2 If a LED (light emitting diode) DRL (daytime running lamps) /front parking or auxiliary parking lamp (part of front fog lamps) except performance vehicles, is inoperative, GO to E4
-----------	---

E2 CHECK FOR VOLTAGE TO THE FRONT SIDE MARKER LAMP

- Place the headlamp switch in the OFF position.
- Ignition OFF.
- Disconnect: Inoperative LH (left-hand) Headlamp C1284 or RH (right-hand) Headlamp C1285.
- Ignition ON.
- Place the headlamp switch in the PARKING LAMPS position.

C1285-9



C1285-15

Is the voltage greater than 11 volts?

Yes

GO to [E6](#)

No

REPAIR the circuit.

E4 CHECK FOR VOLTAGE TO THE LED (LIGHT EMITTING DIODE) DRL (DAYTIME RUNNING LAMPS) /FRONT PARKING OR AUXILIARY PARKING LAMP


- Place the headlamp switch in the OFF position.
- Ignition OFF.
- Disconnect: For LED (light emitting diode) DRL (daytime running lamps) /front parking lamps, inoperative LH (left-hand) Headlamp C1284 or RH (right-hand) Headlamp C1285.
- Disconnect: For auxiliary parking lamps (part of front fog lamps) except performance vehicles, inoperative LH (left-hand) Fog Lamp C1322 or RH (right-hand) Fog Lamp C1323.
- Ignition ON.
- Place the headlamp switch in the PARKING LAMPS position.
- For LED (light emitting diode) DRL (daytime running lamps) /front parking lamps, measure:

LH (left-hand) Parking Lamp

Positive Lead	Measurement / Action	Negative Lead
C1284-3		Ground


RH (right-hand) Parking Lamp

Positive Lead	Measurement / Action	Negative Lead
C1285-3		Ground


Positive Lead	Measurement / Action	Negative Lead
C1285-3		C1285-10

- For auxiliary parking lamps (part of front fog lamps) except performance vehicles, measure:

LH (left-hand) Auxiliary Parking Lamp

Positive Lead	Measurement / Action	Negative Lead
C1322-3		C1322-4

RH (right-hand) Auxiliary Turn Lamp

Positive Lead	Measurement / Action	Negative Lead
C1323-3		C1323-4

Is the voltage greater than 11 volts?

Yes	<p>For LED (light emitting diode) DRL (daytime running lamps) /front parking lamp, GO to E6</p> <p>For auxiliary parking lamps (part of fog lamps) except performance vehicles, INSTALL a new front fog lamp.</p> <p>REFER to: Front Fog Lamp</p> <p>(417-01 Exterior Lighting, Removal and Installation).</p>
------------	--

No	REPAIR the circuit.
-----------	---------------------

E6 CHECK THE HEADLAMP

- Place the headlamp switch in the OFF position.
- Ignition OFF.
- Substitute the known good headlamp assembly from the opposite side of the vehicle.

REFER to: [Headlamp Assembly](#)
(417-01 Exterior Lighting, Removal and Installation).

No

REMOVE the known good LED (light emitting diode) control module. INSTALL a new LED (light emitting diode) control module.

REFER to: [Light Emitting Diode \(LED\) Control Module](#)
(417-01 Exterior Lighting, Removal and Installation).

E8 CHECK FOR CORRECT BCM (BODY CONTROL MODULE) OPERATION

- Disconnect and inspect all BCM (body control module) 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 (body control module) and all related in-line connectors. Make sure they seat and latch correctly.
- Operate the system and determine if the concern is still present.

Is the concern still present?

Yes

CHECK OASIS (Online Automotive Service Information System) for any applicable service articles: TSB (Technical Service Bulletin) , GSB (General Service Bulletin) , SSM (special service message) or FSA (Field Service Action) . If a service article exists for this concern, DISCONTINUE this test and FOLLOW the service article instructions. If no service articles address this concern, INSTALL a new BCM (body control module) .

REFER to: [Body Control Module \(BCM\)](#)
(419-10 Multifunction Electronic Modules, Removal and Installation).

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.

PINPOINT TEST F : AN INDIVIDUAL OR ALL GRILLE MARKER LAMPS AND FRONT SIDE FENDER MARKER LAMPS ARE INOPERATIVE


Yes	REPAIR the grille marker and front side fender marker lamps ground circuit for an open.
------------	---

No	REPAIR the circuit.
-----------	---------------------

F3 CHECK THE GRILLE MARKER OR FRONT SIDE FENDER MARKER LAMP VOLTAGE SUPPLY CIRCUIT FOR AN OPEN

- Place the headlamp switch in the OFF position.
- Ignition OFF.
- Disconnect: inoperative grille LED (light emitting diode) .
- Ignition ON.
- Place the headlamp switch in the PARKING LAMPS position.
- For grille marker lamps, measure:


For LH (left-hand) Grille Marker Lamp


Positive Lead	Measurement / Action	Negative Lead
C1970-1		Ground

For Center Grille Marker Lamp


Positive Lead	Measurement / Action	Negative Lead
C1971-1		Ground

For RH (right-hand) Grille Marker Lamp

Positive Lead	Measurement / Action	Negative Lead
C1972-1		Ground


Positive Lead	Measurement / Action	Negative Lead
C1971-1		C1971-2

For RH (right-hand) Grille Marker Lamp


Positive Lead	Measurement / Action	Negative Lead
C1972-1		C1972-2

- For front side fender marker lamps, measure:

For LH (left-hand) Front Side Fender Marker Lamp

Positive Lead	Measurement / Action	Negative Lead
C151-1		C151-2

For RH (right-hand) Front Side Fender Marker Lamp

Positive Lead	Measurement / Action	Negative Lead
C161-1		C161-2

Is the voltage greater than 11 volts?

Yes	INSTALL a new grill or front side fender marker lamp.
------------	---

No	REPAIR the circuit.
-----------	---------------------