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1993 FORD Fiesta 5 Doors OEM Service and Repair Workshop Manual

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HCM (headlamp control module)	B14DC:55	Right Headlamp Driver Control System: Not Configured	GO to Pinpoint Test E
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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 > Headlamp > Inoperative	GO to Pinpoint Test A
Lighting/Glass/Vision > Exterior Lighting > Headlamp > Inoperative	GO to Pinpoint Test B
Lighting/Glass/Vision > Exterior Lighting > Headlamp > Inoperative	GO to Pinpoint Test C

One or both low beams is inoperative or always on - Halogen headlamps	Refer to the Pinpoint Test	GO to Pinpoint Test A
One or both low beams is inoperative or always on - LED (light emitting diode) headlamps	Refer to the Pinpoint Test	GO to Pinpoint Test B
One or both high beams is inoperative or always on - Halogen headlamps	Refer to the Pinpoint Test	GO to Pinpoint Test C
One or both high beams is inoperative or always on - Low series LED (light emitting diode) headlamps	Refer to the Pinpoint Test	GO to Pinpoint Test D
One or both high beams is inoperative or always on - High series LED (light emitting diode) headlamps	Refer to the Pinpoint Test	GO to Pinpoint Test E
The flash-to-pass feature is inoperative	Refer to the Pinpoint Test	GO to Pinpoint Test F
The automatic high beam feature is inoperative	Refer to the Pinpoint Test	GO to Pinpoint Test G
Automatic headlamp leveling headlamp leveling or adaptive front lighting is inoperative or does not operate correctly	Refer to the Pinpoint Test	GO to Pinpoint Test H
Front or rear height sensor inoperative	Refer to the Pinpoint Test	GO to Pinpoint Test I

Pinpoint Tests

PINPOINT TEST A : ONE OR BOTH LOW BEAMS IS INOPERATIVE OR ALWAYS ON - HALOGEN 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](#)

		(local interconnect network) circuit the headlamps switch has an internal failure.
BCM (body control module) B1533:56	Headlamp Switch Module: Invalid/Incompatible Configuration	A continuous memory and on-demand DTC (diagnostic trouble code) that sets when the BCM (body control module) , over the LIN (local interconnect network) circuit, has detected that the headlamp switch is not properly configured.
BCM (body control module) B1D00:11	Left Low Beam: 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 LH (left-hand) low beam output circuit.
BCM (body control module) B1D00:15	Left Low Beam: 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 LH (left-hand) low beam output circuit.
BCM (body control module) B1D01:11	Right Low Beam: 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 RH (right-hand) low beam output circuit.
BCM (body control module) B1D01:15	Right Low Beam: 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 RH (right-hand) low beam output circuit.

Possible Sources

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

Visual Inspection and Pre-checks

- Inspect the headlamp assembly for damage.

A1 CHECK LOW BEAMS OPERATION

- Ignition ON.
- Place the headlamp switch in the OFF position.
- Observe the operation of the LH (left-hand) and RH (right-hand) low beam.


(417-01 Exterior Lighting, Removal and Installation).

No

GO to [A9](#)

A4 CHECK THE HEADLAMP SWITCH VOLTAGE SUPPLY CIRCUIT FOR AN OPEN

- Ignition OFF.
- Disconnect: Headlamp Switch C205.
- Ignition ON.
- Measure:

Positive Lead	Measurement / Action	Negative Lead
C205-8		Ground

Is the voltage greater than 11 volts?

Yes


GO to [A5](#)

No

VERIFY the BCM (body control module) fuse 19 (5A) is OK. If OK, REPAIR the circuit. If not OK, REFER to the Wiring Diagram manual to identify the possible causes of the circuit short.

A5 CHECK THE HEADLAMP SWITCH GROUND CIRCUIT FOR AN OPEN

- Measure:

Positive Lead	Measurement / Action	Negative Lead
C205-8		C205-1

Is the voltage greater than 11 volts?

Yes	REMOVE the fused jumper wire. REPAIR the circuit.
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No	REMOVE the fused jumper wire. GO to A8
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A8 CHECK THE LIN (LOCAL INTERCONNECT NETWORK) CIRCUIT FOR A SHORT TO GROUND

- Ignition OFF.
- Measure:

Positive Lead	Measurement / Action	Negative Lead
C2280B-49	Ω	Ground

Is the resistance greater than 10,000 ohms?

Yes	<p>INSTALL a new headlamp switch.</p> <p>REFER to: Headlamp Switch (417-01 Exterior Lighting, Removal and Installation).</p> <p>TEST the system for normal operation. If the low beams continue to illuminate, GO to A9</p>
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No	REPAIR the circuit.
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A9 CHECK THE LOW BEAM CIRCUIT FOR A SHORT TO VOLTAGE

- Ignition OFF.
- Disconnect: BCM (body control module) C2280G.
- Disconnect: LH (left-hand) Headlamp C1021 or RH (right-hand) Headlamp C1041.
- Ignition ON.
- Measure:

LH (left-hand) Headlamp

Positive Lead	Measurement / Action	Negative Lead
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