

417-01 Exterior Lighting  
Diagnosis and Testing

2019 Ranger  
Procedure revision date: 12/4/2018

**Parking, Rear and License Plate Lamps**

**DTC Charts**

**DTC Chart: BCM**

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).

<b><u>DTC</u></b>	<b>Description</b>	<b>Action</b>
B109B:11	License Plate Light: Circuit Short to Ground	<a href="#">GO to Pinpoint Test A</a>
B109B:15	License Plate Light: Circuit Short to Battery or Open	<ul style="list-style-type: none"> <li>If the lamps are inoperative, <a href="#">GO to Pinpoint Test A</a></li> <li>If the lamps are always on, <a href="#">GO to Pinpoint Test B</a></li> </ul>
B10F3:11	Left front position light: Circuit Short to Ground	<a href="#">GO to Pinpoint Test A</a>
B10F3:15	Left front position light: Circuit Short to Battery or Open	<ul style="list-style-type: none"> <li>If the lamps are inoperative, <a href="#">GO to Pinpoint Test A</a></li> <li>If the lamps are always on, <a href="#">GO to Pinpoint Test B</a></li> </ul>
B10F4:11	Right front position light: Circuit Short to Ground	<a href="#">GO to Pinpoint Test A</a>
B10F4:15	Right front position light: Circuit Short to Battery or Open	<ul style="list-style-type: none"> <li>If the lamps are inoperative, <a href="#">GO to Pinpoint Test A</a></li> <li>If the lamps are always on, <a href="#">GO to Pinpoint Test B</a></li> </ul>
B149E:11	Left Front Position/Sidemarkers: Circuit Short To Ground	<a href="#">GO to Pinpoint Test A</a>
B149E:15	Left Front Position/Sidemarkers: Circuit Short To Battery or Open	<ul style="list-style-type: none"> <li>If the lamps are inoperative, <a href="#">GO to Pinpoint Test A</a></li> <li>If the lamps are always on, <a href="#">GO to Pinpoint Test B</a></li> </ul>
B149F:11	Right Front Position/Sidemarkers: Circuit Short To Ground	<a href="#">GO to Pinpoint Test A</a>
B149F:15	Right Front Position/Sidemarkers: Circuit Short To Battery or Open	<ul style="list-style-type: none"> <li>If the lamps are inoperative, <a href="#">GO to Pinpoint Test A</a></li> <li>If the lamps are always on, <a href="#">GO to Pinpoint Test B</a></li> </ul>
B14B2:11	Left Position Lamps: Circuit Short To Ground	<a href="#">GO to Pinpoint Test A</a>

B14B2:15	Left Position Lamps: Circuit Short To Battery or Open	<ul style="list-style-type: none"> <li>If the lamps are inoperative, <a href="#">GO to Pinpoint Test A</a></li> <li>If the lamps are always on, <a href="#">GO to Pinpoint Test B</a></li> </ul>
B14B3:11	Right Position Lamps: Circuit Short To Ground	<a href="#">GO to Pinpoint Test A</a>
B14B3:15	Right Position Lamps: Circuit Short To Battery or Open	<ul style="list-style-type: none"> <li>If the lamps are inoperative, <a href="#">GO to Pinpoint Test A</a></li> <li>If the lamps are always on, <a href="#">GO to Pinpoint Test B</a></li> </ul>
B1538:11	Left Rear Position Lamp Output: Circuit Short To Ground	<a href="#">GO to Pinpoint Test A</a>
B1538:15	Left Rear Position Lamp Output: Circuit Short To Battery or Open	<ul style="list-style-type: none"> <li>If the lamps are inoperative, <a href="#">GO to Pinpoint Test A</a></li> <li>If the lamps are always on, <a href="#">GO to Pinpoint Test B</a></li> </ul>
B1539:11	Right Rear Position Lamp Output: Circuit Short To Ground	<a href="#">GO to Pinpoint Test A</a>
B1539:15	Right Rear Position Lamp Output: Circuit Short To Battery or Open	<ul style="list-style-type: none"> <li>If the lamps are inoperative, <a href="#">GO to Pinpoint Test A</a></li> <li>If the lamps are always on, <a href="#">GO to Pinpoint Test B</a></li> </ul>
U1000:00	Solid State Driver Protection Active - Driver Disabled: No Sub Type Information	<a href="#">GO to Pinpoint Test A</a>
U3000:49	Control Module: Internal Electronic Failure	<a href="#">GO to Pinpoint Test A</a>
For other BCM Diagnostic Trouble Codes (DTCs)	-	REFER to: <a href="#">Body Control Module (BCM)</a> (419-10 Multifunction Electronic Modules, Diagnosis and Testing).

## Symptom Charts

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: Parking, Rear, and License Plate Lamps

Condition	Possible Sources	Actions
A module does not respond to the diagnostic scan tool	<ul style="list-style-type: none"> <li>Fuse</li> <li>Wiring, terminals or connectors</li> <li>Module</li> </ul>	REFER to: <a href="#">Communications Network</a> (418-00 Module Communications Network, Diagnosis and Testing).
One or more parking, rear or license plate lamps is inoperative	Refer to the Pinpoint Test	<a href="#">GO to Pinpoint Test A</a>
The parking, rear or license plate lamps	Refer to the Pinpoint	<a href="#">GO to Pinpoint Test B</a>

are on continuously	Test	
One or both front <u>LED</u> daytime running lamp/front parking lamp is inoperative or does not dim if <u>DRL</u> are active - <u>LED</u> headlamps only	Refer to the Pinpoint Test	<a href="#">GO to Pinpoint Test A</a>

### Pinpoint Tests

► [PINPOINT TEST A : ONE OR MORE PARKING, REAR, OR LICENSE PLATE LAMPS ARE INOPERATIVE](#)

► [PINPOINT TEST B : THE PARKING, REAR, OR LICENSE PLATE LAMPS ARE ON CONTINUOUSLY](#)

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