




### Parking, Rear and License Plate Lamps

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

#### Special Tool(s)

 ST1137-A	73III Automotive Meter 105-R0057 or equivalent
 ST2332-A	Worldwide Diagnostic System (WDS)  Vehicle Communication Module (VCM) with appropriate adapters, or equivalent diagnostic tool
 ST2574-A	Flex Probe Kit 105-R025B or equivalent

#### Inspection and Verification

1. Verify the customer concern.
2. Visually inspect the following for obvious signs of mechanical or electrical damage.

#### Visual Inspection Chart

Mechanical	Electrical
<ul style="list-style-type: none"> <li>• Headlamp switch</li> </ul>	<ul style="list-style-type: none"> <li>• Bussed electrical center (BEC) fuse 63 (30A)</li> <li>• Circuitry</li> <li>• Bulbs</li> <li>• Smart junction box (SJB)</li> </ul>

3. If an obvious cause for an observed or reported concern is found, correct the cause (if possible) before proceeding to the next step.

**NOTE:** Make sure the headlamp switch is in the OFF position.

**NOTE:** Make sure the multifunction switch is in the LOW BEAM position.

4. If the cause is not visually evident, connect the diagnostic tool to the data link connector (DLC) and select the vehicle to be tested from the diagnostic tool menu. If the diagnostic tool does not communicate with the vehicle:
  - check that the program card is correctly installed.
  - check the connections to the vehicle.
  - check the ignition switch position.
5. If the diagnostic tool still does not communicate with the vehicle, refer to the diagnostic tool operating manual.
6. Carry out the diagnostic tool data link test. If the diagnostic tool responds with:
  - CAN circuit fault; all electronic control units no response/not equipped, refer to [Section 418-00](#).
  - No response/not equipped for SJB, refer to [Section 419-10](#).
  - System passed, retrieve and record the continuous diagnostic trouble codes (DTCs), erase the continuous DTCs and carry out the self-test diagnostics for the SJB.
7. If the DTCs retrieved are related to the concern, go to the Smart Junction Box (SJB) Diagnostic Trouble Code (DTC) Index.
8. If no DTCs related to the concern are retrieved, GO to [Symptom Chart](#).

**Symptom Chart**

**Symptom Chart**

Condition	Possible Sources	Action
• No communication with the smart junction box (SJB)	<ul style="list-style-type: none"> <li>• Circuitry</li> <li>• SJB</li> </ul>	• REFER to <a href="#">Section 419-10</a> .
• One or more parking, rear, or license plate lamp is inoperative	<ul style="list-style-type: none"> <li>• Fuse</li> <li>• Circuitry</li> <li>• Bussed electrical center (BEC)</li> <li>• SJB</li> </ul>	• <a href="#">GO to Pinpoint Test N</a> .
• The parking, rear, or license plate lamps are on continuously	<ul style="list-style-type: none"> <li>• Circuitry</li> <li>• Headlamp switch</li> <li>• BEC</li> <li>• SJB</li> </ul>	• <a href="#">GO to Pinpoint Test O</a> .

**Connector Circuit Reference**

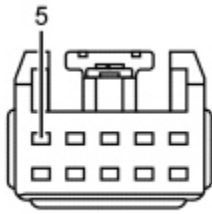
**LH Front Side Marker C151, RH Front Side Marker C161, LH Rear Side Marker C481, RH Rear Side Marker C482**



A0072424

Pin Number(s)	Circuit Designation/Description	Normal Condition/Measurement
1 (C151)	667 (WH/RD) side marker lamp voltage feed	0 volts, less than 5 ohms between the side marker lamp and the smart junction box (SJB).
1 (C161)	14 (BN) side marker lamp voltage feed	0 volts, less than 5 ohms between the side marker lamp and the SJB.
1 (C481, C482)	1361 (RD/PK) side marker lamp voltage feed	0 volts, less than 5 ohms between the side marker lamp and the SJB.
2	1205 (BK) ground circuit	Less than 5 ohms between the side marker lamp and ground.

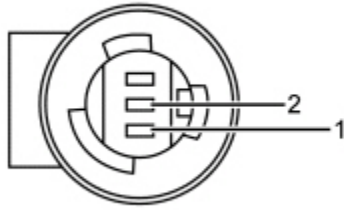
**Headlamp Switch C205**



N0006068

Pin Number(s)	Circuit Designation/Description	Normal Condition/Measurement
5	1401 (BK/LG) parking lamps request signal	Less than 5 ohms between the headlamp switch and the SJB.

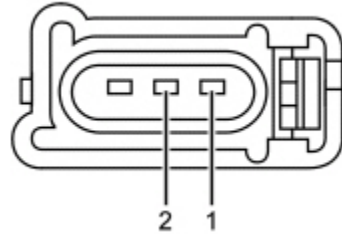
**LH Rear Lamp 3 C412, RH Rear Lamp 3 C415, LH Rear Lamp 1 C4112, LH Rear Lamp 2 C4113, RH Rear Lamp 1 C4114, RH Rear Lamp 2 C4115**



N0010907

Pin Number(s)	Circuit Designation/Description	Normal Condition/Measurement
1	1205 (BK) parking lamp ground	Less than 5 ohms between the parking lamp and ground.
2 (C412)	1784 (TN/RD) parking lamp voltage feed	0 volts, less than 5 ohms between the parking lamp and the SJB.
2 (C415)	1729 (DB/YE) rear parking lamp voltage feed	0 volts, less than 5 ohms between the parking lamp and the SJB.
2 (C4112, C4113)	1364 (DB/YE) rear parking lamp voltage feed	0 volts, less than 5 ohms between the parking lamp and the SJB.
2 (C4114, C4115)	1366 (TN/RD) rear parking lamp voltage feed	0 volts, less than 5 ohms between the parking lamp and the SJB.

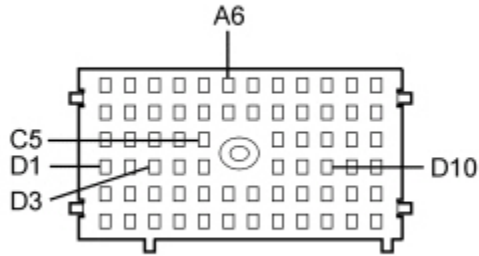
**LH Front Parking Lamp C1023, RH Front Parking Lamp C1043**



N0006069

Pin Number(s)	Circuit Designation/Description	Normal Condition/Measurement
1	1205 (BK) parking lamp ground	Less than 5 ohms between the parking lamp and ground.
2 (C1023)	1340 (DG) front parking lamp voltage feed	0 volts, less than 5 ohms between the parking lamp and the SJB.
2 (C1043)	1339 (BK/PK) front parking lamp voltage feed	0 volts, less than 5 ohms between the parking lamp and the SJB.

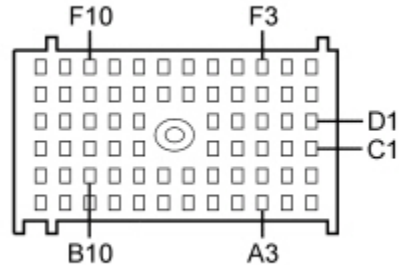
**Bussed Electrical Center (BEC) C1035a**



N0046908

Pin Number(s)	Circuit Designation/Description	Normal Condition/Measurement
A6	667 (WH/RD) LH front side marker lamp voltage feed	0 volts, less than 5 ohms between the BEC and the SJB.
C5	1523 (DG) SJB voltage supply	0 volts, less than 5 ohms between the BEC and the SJB.
D1	1339 (BK/PK) RH front parking lamp voltage feed	0 volts, less than 5 ohms between the BEC and the SJB.
D3	1340 (DG) LH front parking lamp voltage feed	0 volts, less than 5 ohms between the BEC and the SJB.
D10	14 (BN) RH front side marker lamp voltage feed	Greater than 10 volts when the park lamps are on.

**BEC C1035c**

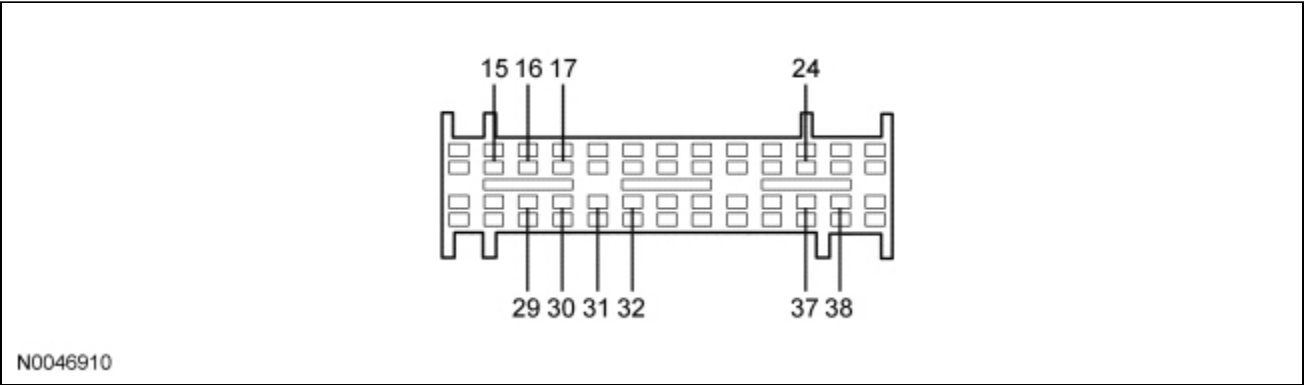


N0046909

Pin Number(s)	Circuit Designation/Description	Normal Condition/Measurement
A3	1340 (DG) LH front parking lamp voltage feed	0 volts, less than 5 ohms between the BEC and the parking lamp.

Pin Number(s)	Circuit Designation/Description	Normal Condition/Measurement
B10	14 (BN) RH front side marker lamp voltage feed	0 volts, less than 5 ohms between the BEC and the side marker lamp.
C1	1339 (BK/PK) RH front parking lamp voltage feed	0 volts, less than 5 ohms between the BEC and the parking lamp.
D1	667 (WH/RD) LH front side marker lamp voltage feed	0 volts, less than 5 ohms between the BEC and the side marker lamp.
F3	1205 (BK) LH front side marker lamp ground	0 volts, less than 5 ohms between the BEC and ground.
F10	1205 (BK) RH front side marker lamp ground	0 volts, less than 5 ohms between the BEC and ground.

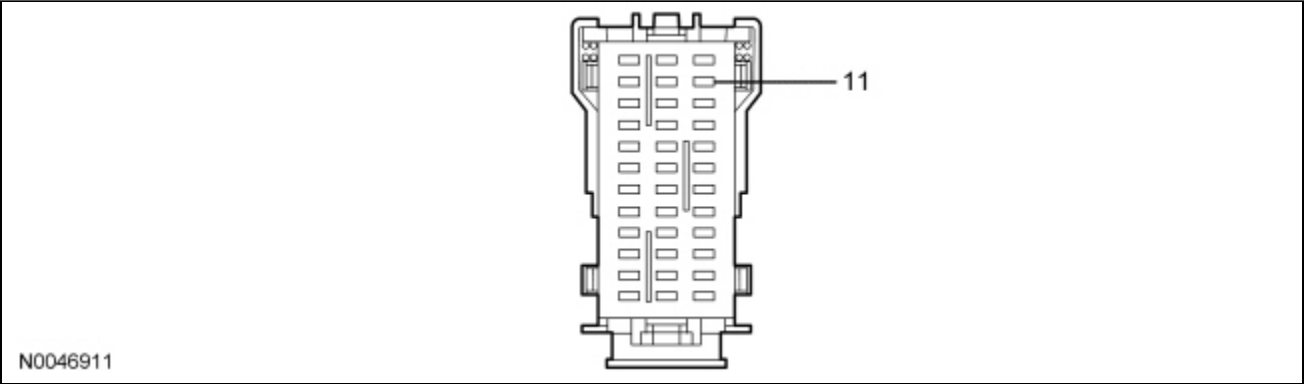
**SJB C2280d**



N0046910

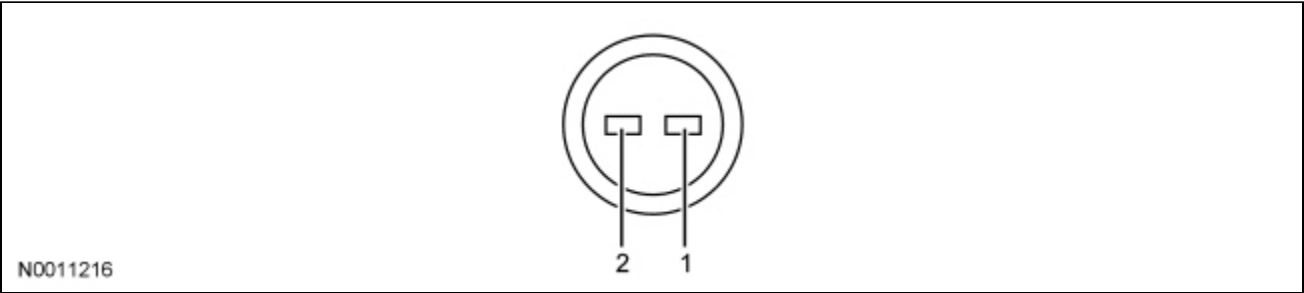
Pin Number(s)	Circuit Designation/Description	Normal Condition/Measurement
15	1361 (RD/PK) rear side marker lamp voltage feed	0 volts, less than 5 ohms between the SJB and the rear side marker lamp.
16	667 (WH/RD) LH front side marker lamp voltage feed	0 volts, less than 5 ohms between the SJB and the LH front side marker lamp.
17	14 (BN) RH front side marker lamp voltage feed	0 volts, less than 5 ohms between the SJB and the RH front side marker lamp.
24	1784 (TN/RD) LH rear parking lamp 3 voltage feed	0 volts, less than 5 ohms between the SJB and the parking lamp.
29	1340 (DG) LH front parking lamp voltage feed	0 volts, less than 5 ohms between the SJB and the parking lamp.
30	1364 (DB/YE) LH rear parking lamps 1 and 2 voltage feed	0 volts, less than 5 ohms between the SJB and the parking lamps.
31	1339 (BK/PK) RH front parking lamp voltage feed	0 volts, less than 5 ohms between the SJB and the parking lamp.
32	1366 (TN/RD) RH rear parking lamps 1 and 2 voltage feed	0 volts, less than 5 ohms between the SJB and the parking lamps.
37	1370 (DG/LG) license plate lamp voltage feed	0 volts, less than 5 ohms between the SJB and the license plate lamp.
38	1729 (DB/YE) RH rear parking lamp 3 voltage feed	0 volts, less than 5 ohms between the SJB and the parking lamp.

**SJB C2280h**



Pin Number(s)	Circuit Designation/Description	Normal Condition/Measurement
11	1523 (DG) SJB voltage supply	Greater than 10 volts at all times.

**License Plate Lamp C4046**



Pin Number(s)	Circuit Designation/Description	Normal Condition/Measurement
1	1370 (DG/LG) license plate lamp voltage feed	0 volts, less than 5 ohms between the license plate lamp and the SJB.
2	1205 (BK) ground circuit	Less than 5 ohms between the license plate lamp and ground.

**Pinpoint Tests**

**Pinpoint Test N: One Or More Parking, Rear Or License Plate Lamp Is Inoperative**

**Normal Operation**

The smart junction box (SJB) is provided voltage from the bussed electrical center (BEC) through circuit 1523 (DG). The SJB sends a voltage reference signal to the headlamp switch through circuit 1401 (BK/LG). When the headlamp switch is placed in the PARKING LAMPS ON position, the SJB provides voltage to the parking, license plate and side marker lamps. The lamps are grounded through circuit 1205 (BK).

**Possible Causes**

- Fuse
- Circuit 14 (BN) open or short to ground
- Circuit 667 (WH/RD) open or short to ground
- Circuit 1205 (BK) open
- Circuit 1339 (BK/PK) open or short to ground
- Circuit 1340 (DG) open or short to ground
- Circuit 1361 (RD/PK) open or short to ground
- Circuit 1366 (TN/RD) open or short to ground
- Circuit 1364 (DB/YE) open or short to ground
- Circuit 1370 (DG/LG) open or short to ground
- Circuit 1523 (DG) open
- Circuit 1729 (DB/YE) open or short to ground
- Circuit 1784 (TN/RD) open or short to ground
- BEC
- SJB

**PINPOINT TEST N : ONE OR MORE PARKING, REAR OR LICENSE PLATE LAMP IS INOPERATIVE**

**N1 DETERMINE IF ALL THE PARKING LAMPS ARE INOPERATIVE**

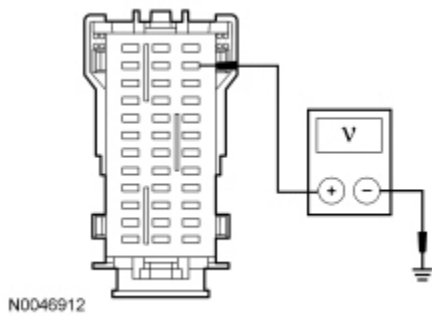
- Ignition OFF.
- Place the headlamp switch in the PARKING LAMPS ON position.

**Are all the parking lamps inoperative?**

<b>Yes</b>	GO to <a href="#">N2</a> .
<b>No</b>	GO to <a href="#">N4</a> .

**N2 CHECK CIRCUIT 1523 (DG) FOR VOLTAGE**

- Ignition OFF.
- Disconnect: SJB C2280H .
- Measure the voltage between the SJB C2280H Pin 11, circuit 1523 (DG), harness side and ground.

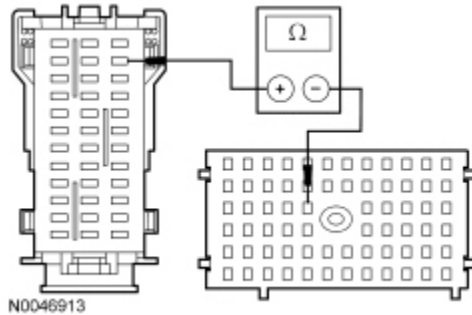


**Is the voltage greater than 10 volts?**

<b>Yes</b>	GO to <a href="#">N13</a> .
<b>No</b>	VERIFY the SJB fuse 63 (30A) is OK. If OK, GO to <a href="#">N3</a> .

### **N3 CHECK CIRCUIT 1523 (DG) FOR AN OPEN**

- Disconnect: BEC C1035A .
- Measure the resistance between the SJB C2280H Pin 11, circuit 1523 (DG), harness side and the BEC C1035A Pin C5, circuit 1523 (DG), harness side.



**Is the resistance less than 5 ohms?**

<b>Yes</b>	INSTALL a new BEC. TEST the system for normal operation.
<b>No</b>	REPAIR the circuit. TEST the system for normal operation.

### **N4 CHECK THE TURN SIGNAL OPERATION**

- Ignition ON.
- Place the multifunction switch in the LH and then RH TURN position.

**Do the turn lamps operate correctly?**

<b>Yes</b>	GO to <a href="#">N5</a> .
<b>No</b>	REFER to <a href="#">Turn Signal and Hazard Lamps</a> in this section to continue diagnosis of the turn lamps.

#### N5 CHECK CIRCUIT 1205 (BK) FOR AN OPEN

- Ignition OFF.
- Disconnect: Inoperative Parking Lamp.
- Measure the resistance between the inoperative parking lamp, harness side and ground as follows:

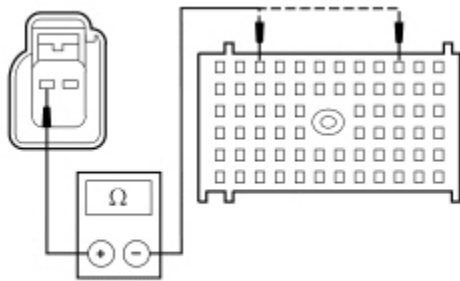
Inoperative Parking Lamp Connector-Pin	Circuit
LH front C1023 Pin 1	1205 (BK)
RH front C1043 Pin 1	1205 (BK)
LH front side marker C151 Pin 2	1205 (BK)
RH front side marker C161 Pin 2	1205 (BK)
LH rear side marker C481 Pin 2	1205 (BK)
RH rear side marker C482 Pin 2	1205 (BK)
LH rear 1 C4112 Pin 1	1205 (BK)
LH rear 2 C4113 Pin 1	1205 (BK)
LH rear 3 C412 Pin 1	1205 (BK)
RH rear 1 C4114 Pin 1	1205 (BK)
RH rear 2 C4115 Pin 1	1205 (BK)
RH rear 3 C415 Pin 1	1205 (BK)
License plate C4046 Pin 2	1205 (BK)

**Is the resistance less than 5 ohms?**

<b>Yes</b>	GO to <a href="#">N7</a> .
<b>No</b>	For a front side marker lamp, GO to <a href="#">N6</a> . For all others, REPAIR the circuit. CLEAR the DTCs. REPEAT the self-test.

#### N6 CHECK CIRCUIT 1205 (BK) FOR AN OPEN (SIDE LAMP TO BEC)

- Disconnect: BEC C1035C .
- Measure the resistance between the LH front side marker C151 Pin 2, circuit 1205 (BK), harness side and the BEC C1035C Pin F3, circuit 1205 (BK), harness side; or between the RH front side marker C161 Pin 2, circuit 1205 (BK), harness side and the BEC C1035C Pin F10, circuit 1205 (BK), harness side.



N0046914

**Is the resistance less than 5 ohms?**

<b>Yes</b>	INSTALL a new BEC. CLEAR the DTCs. REPEAT the self-test.
<b>No</b>	REPAIR the circuit. CLEAR the DTCs. REPEAT the self-test.

**N7 CHECK THE PARKING LAMP VOLTAGE SUPPLY CIRCUIT FOR A SHORT TO GROUND**

**NOTE:** *If testing at a rear side marker lamp, both side marker lamps must be disconnected for correct test results.*

**NOTE:** *If testing at the rear lamp 1 or rear lamp 2, both lamps must be disconnected for correct test results.*

- Disconnect: SJB C2280D .
- Measure the resistance between the inoperative parking lamp, harness side and ground as follows:

Inoperative Parking Lamp Connector-Pin	Circuit
LH front C1023 Pin 2	1340 (DG)
RH front C1043 Pin 2	1339 (BK/PK)
LH front side marker C151 Pin 1	667 (WH/RD)
RH front side marker C161 Pin 1	14 (BN)
LH rear side marker C481 Pin 1	1361 (RD/PK)
RH rear side marker C482 Pin 1	1361 (RD/PK)
LH rear 1 C4112 Pin 2	1364 (DB/YE)
LH rear 2 C4113 Pin 2	1364 (DB/YE)
LH rear 3 C412 Pin 2	1784 (TN/RD)
RH rear 1 C4114 Pin 2	1366 (TN/RD)
RH rear 2 C4115 Pin 2	1366 (TN/RD)
RH rear 3 C415 Pin 2	1729 (DB/YE)
License plate C4046 Pin 1	1370 (DG/LG)

Is the resistance greater than 10,000 ohms?

<b>Yes</b>	GO to <a href="#">N10</a> .
<b>No</b>	For a front lamp, GO to <a href="#">N8</a> . For all others, REPAIR the circuit in question. CLEAR the DTCs. REPEAT the self-test.

**N8 CHECK THE PARKING LAMP VOLTAGE SUPPLY CIRCUIT FOR A SHORT TO GROUND (BEC TO SJB)**

- Disconnect: BEC C1035A .
- Measure the resistance between the inoperative parking lamp, harness side and ground as follows:

Inoperative Parking Lamp Connector-Pin	Circuit
LH front C1023 Pin 2	1340 (DG)
RH front C1043 Pin 2	1339 (BK/PK)
LH front side marker C151 Pin 1	667 (WH/RD)
RH front side marker C161 Pin 1	14 (BN)

Is the resistance greater than 10,000 ohms?

<b>Yes</b>	REPAIR the circuit in question. CLEAR the DTCs. REPEAT the self-test.
<b>No</b>	GO to <a href="#">N9</a> .

**N9 CHECK THE PARKING LAMP VOLTAGE SUPPLY CIRCUIT FOR A SHORT TO GROUND (BEC TO FRONT LAMP)**

- Disconnect: BEC C1035C .
- Measure the resistance between the inoperative parking lamp, harness side and ground as follows:

Inoperative Parking Lamp Connector-Pin	Circuit
LH front C1023 Pin 2	1340 (DG)
RH front C1043 Pin 2	1339 (BK/PK)
LH front side marker C151 Pin 1	667 (WH/RD)
RH front side marker C161 Pin 1	14 (BN)

**Is the resistance greater than 10,000 ohms?**

<b>Yes</b>	REPAIR the circuit in question. CLEAR the DTCs. REPEAT the self-test.
<b>No</b>	INSTALL a new BEC. CLEAR the DTCs. REPEAT the self-test.

**N10 CHECK THE PARKING LAMP VOLTAGE SUPPLY CIRCUIT FOR AN OPEN (SJB TO LAMP)**

- Measure the resistance between the inoperative parking lamp, harness side and the SJB harness side as follows:

Inoperative Parking Lamp Connector-Pin	SJB Connector-Pin	Circuit
LH front C1023 Pin 2	C2280D Pin 29	1340 (DG)
RH front C1043 Pin 2	C2280D Pin 31	1339 (BK/PK)
LH front side marker C151 Pin 1	C2280D Pin 16	667 (WH/RD)
RH front side marker C161 Pin 1	C2280D Pin 17	14 (BN)
LH rear side marker C481 Pin 1	C2280D Pin 15	1361 (RD/PK)
RH rear side marker C482 Pin 1	C2280D Pin 15	1361 (RD/PK)
LH rear 1 C4112 Pin 2	C2280D Pin 30	1364 (DB/YE)
LH rear 2 C4113 Pin 2	C2280D Pin 30	1364 (DB/YE)
LH rear 3 C412 Pin 2	C2280D Pin 24	1784 (TN/RD)
RH rear 1 C4114 Pin 2	C2280D Pin 32	1366 (TN/RD)
RH rear 2 C4115 Pin 2	C2280D Pin 32	1366 (TN/RD)
RH rear 3 C415 Pin 2	C2280D Pin 38	1729 (DB/YE)
License plate C4046 Pin 1	C2280D Pin 37	1370 (DG/LG)

**Is the resistance less than 5 ohms?**

<b>Yes</b>	GO to <a href="#">N13</a> .
<b>No</b>	For a front lamp, GO to <a href="#">N11</a> . For all others, REPAIR the circuit in question. CLEAR the DTCs. REPEAT the self-test.

**N11 CHECK THE PARKING LAMP VOLTAGE SUPPLY CIRCUIT FOR AN OPEN (SJB TO BEC)**

- Disconnect: BEC C1035A .
- Measure the resistance between the BEC, harness side and the SJB, harness side as follows:

Inoperative Parking Lamp	BEC Connector-Pin	SJB Connector-Pin	Circuit
LH front	C1035A Pin D3	C2280D Pin 29	1340 (DG)
RH front	C1035A Pin D1	C2280D Pin 31	1339 (BK/PK)
LH front side marker	C1035A Pin A6	C2280D Pin 16	667 (WH/RD)
RH front side marker	C1035A Pin D10	C2280D Pin 17	14 (BN)

**Is the resistance less than 5 ohms?**

<b>Yes</b>	GO to <a href="#">N12</a> .
<b>No</b>	REPAIR the circuit in question. CLEAR the DTCs. REPEAT the self-test.

### **N12 CHECK THE PARKING LAMP VOLTAGE SUPPLY CIRCUIT FOR AN OPEN (BEC TO LAMP)**

- Disconnect: BEC C1035C .
- Measure the resistance between the inoperative parking lamp, harness side and the BEC, harness side as follows:

Inoperative Parking Lamp Connector-Pin	BEC Connector-Pin	Circuit
LH front C1023 Pin 2	C1035C Pin A3	1340 (DG)
RH front C1043 Pin 2	C1035C Pin C1	1339 (BK/PK)
LH front side marker C151 Pin 1	C1035C Pin D1	667 (WH/RD)
RH front side marker C161 Pin 1	C1035C Pin B10	14 (BN)

**Is the resistance less than 5 ohms?**

<b>Yes</b>	INSTALL a new BEC. CLEAR the DTCs. REPEAT the self-test.
<b>No</b>	REPAIR the circuit in question. CLEAR the DTCs. REPEAT the self-test.

### **N13 CHECK FOR CORRECT SJB OPERATION**

- Disconnect all the SJB connectors.
- Check for:
  - corrosion
  - pushed-out pins
- Connect all the SJB connectors and make sure they seat correctly.
- Operate the system and verify the concern is still present.

**Is the concern still present?**

<b>Yes</b>	INSTALL a new SJB. REFER to <a href="#">Section 419-10</a> . TEST the system for normal operation.
<b>No</b>	The system is operating correctly at this time. The concern may have been caused by a loose or corroded connector. CLEAR the DTCs. REPEAT the self-test.

**Pinpoint Test O: The Parking, Rear Or License Plate Lamps Are On Continuously**

**Normal Operation**

The smart junction box (SJB) sends a voltage reference signal to the headlamp switch through circuit 1401 (BK/LG). When the headlamp switch is placed in the PARKING LAMPS ON position, the SJB provides voltage to the parking, license plate and side marker lamps.

**Possible Causes**

- Circuit 14 (BN) short to voltage
- Circuit 667 (WH/RD) short to voltage
- Circuit 1339 (BK/PK) short to voltage
- Circuit 1340 (DG) short to voltage
- Circuit 1361 (RD/PK) short to voltage
- Circuit 1366 (TN/RD) short to voltage
- Circuit 1364 (DB/YE) short to voltage
- Circuit 1370 (DG/LG) short to voltage
- Circuit 1401 (BK/LG) short to ground
- Circuit 1729 (DB/YE) short to voltage
- Circuit 1784 (TN/RD) short to voltage
- Headlamp switch
- BEC
- SJB

**PINPOINT TEST O : THE PARKING, REAR OR LICENSE PLATE LAMPS ARE ON CONTINUOUSLY**

**O1 USE THE RECORDED DIAGNOSTIC TROUBLE CODES (DTCS) FROM THE SJB SELF-TEST**

- Ignition OFF.
- Using the recorded results from the SJB self-test:

**Was DTC B1470 present?**

<b>Yes</b>	GO to <a href="#">O2</a> .
<b>No</b>	GO to <a href="#">O4</a> .

**O2 CHECK THE HEADLAMP SWITCH**

- Disconnect: Headlamp Switch C205 .

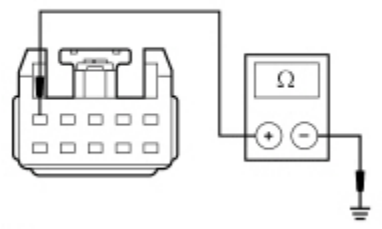
- Carry out the headlamp switch component test.  
Refer to Wiring Diagrams Cell 149 for component testing.

**Is the headlamp switch OK?**

<b>Yes</b>	GO to <a href="#">O3</a> .
<b>No</b>	INSTALL a new headlamp switch. CLEAR the DTCs. REPEAT the self-test.

**O3 CHECK CIRCUIT 1401 (BK/LG) FOR A SHORT TO GROUND**

- Disconnect: SJB C2280B .
- Measure the resistance between the headlamp switch C205 Pin 5, circuit 1401 (BK/LG), harness side and ground.



N0046915

**Is the resistance greater than 10,000 ohms?**

<b>Yes</b>	GO to <a href="#">O5</a> .
<b>No</b>	REPAIR the circuit. CLEAR the DTCs. REPEAT the self-test.

**O4 CHECK THE PARKING LAMP VOLTAGE SUPPLY CIRCUITS FOR A SHORT TO VOLTAGE**

- Disconnect: SJB C2280D .
- Ignition ON.

**Does any parking lamp continue to illuminate?**

<b>Yes</b>	REPAIR the voltage supply circuit in question. CLEAR the DTCs. REPEAT the self-test.
<b>No</b>	GO to <a href="#">O5</a> .

**O5 CHECK FOR CORRECT SJB OPERATION**

- Ignition OFF.
- Disconnect all the SJB connectors.

- Check for:
  - corrosion
  - pushed-out pins
- Connect all the SJB connectors and make sure they seat correctly.
- Operate the system and verify the concern is still present.

**Is the concern still present?**

<b>Yes</b>	INSTALL a new SJB. REFER to <a href="#">Section 419-10</a> . TEST the system for normal operation.
<b>No</b>	The system is operating correctly at this time. The concern may have been caused by a loose or corroded connector. CLEAR the DTCs. REPEAT the self-test.