B118C:15	Left Blind spot Warning Indicator: Circuit Short To Battery or Open	• If the LH BLISÂ®/ CTA LED is inoperative, GO to Pinpoint Test D • If the LH BLISÂ®/ CTA LED is always on, GO to Pinpoint Test C
All other DDM Diagnostic Trouble Codes (DTCs)	-	REFER to: Locks, Latches and Entry Systems (501-14 Handles, Locks, Latches and Entry Systems, Diagnosis and Testing).

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).

PDM DTC Chart

DTC	Description	Action New: *hover over Pinpoint Test links to show title*
B118D:11	Right Blind Spot Warning Indicator: Circuit Short To Ground	GO to Pinpoint Test D
B118D:15	Right Blind spot Warning Indicator: Circuit Short To Battery or Open	• If the RH BLISÂ®/ CTA LED is inoperative, GO to Pinpoint Test D • If the RH BLISÂ®/ CTA LED is always on, GO to Pinpoint Test C
All other PDM Diagnostic Trouble Codes (DTCs)	-	REFER to: Locks, Latches and Entry Systems (501-14 Handles, Locks, Latches and Entry Systems, Diagnosis and Testing).

Symptom Chart(s)

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 - BLISÂ®

Condition	Possible Sources	Action New: *hover over Pinpoint Test links to show title*
A module does not respond to the diagnostic scan tool	• Fuse • Communication concern • Wiring, terminals or connectors • Module	REFER to: Communications Network (418-00 Module Communications Network, Diagnosis and Testing).
The BLISÂ® is inoperative or does not function correctly	Refer to the Pinpoint Test	GO to Pinpoint Test A
The BLISÂ® has poor or inconsistent performance	Refer to the Pinpoint Test	GO to Pinpoint Test A
The BLISÂ® message center warnings are not displayed and the exterior mirror BLISÂ®/ CTA LED does not illuminate	Refer to the Pinpoint Test	GO to Pinpoint Test A

An exterior mirror BLISÂ®/ CTA LED is always on	Refer to the Pinpoint Test	GO to Pinpoint Test C
An exterior mirror BLISÂ®/ CTA LED does not illuminate	Refer to the Pinpoint Test	GO to Pinpoint Test D
The IPC message center displays a blocked sensor message	Refer to the Pinpoint Test	GO to Pinpoint Test E
The BLISÂ® cannot be turned off in the message center	Refer to the Pinpoint Test	GO to Pinpoint Test F

Symptom Chart - CTA

Condition	Possible Sources	Action New: *hover over Pinpoint Test links to show title*
A module does not respond to the diagnostic scan tool	• Fuse • Communication concern • Wiring, terminals or connectors • Module	REFER to: Communications Network (418-00 Module Communications Network, Diagnosis and Testing).
The CTA system is inoperative or does not function correctly	Refer to the Pinpoint Test	GO to Pinpoint Test B
The CTA system has poor or inconsistent performance	Refer to the Pinpoint Test	GO to Pinpoint Test B
The CTA system message center warnings are not displayed and the exterior mirror BLISÂ®/ CTA LED does not illuminate	Refer to the Pinpoint Test	GO to Pinpoint Test B
An exterior mirror BLISÂ®/ CTA LED does not illuminate when the audio tone sounds for the CTA system	Refer to the Pinpoint Test	GO to Pinpoint Test B
An exterior mirror BLISÂ®/ CTA LED is always on	Refer to the Pinpoint Test	GO to Pinpoint Test C
An exterior mirror BLISÂ®/ CTA LED does not illuminate	Refer to the Pinpoint Test	GO to Pinpoint Test D
The IPC message center displays a blocked sensor message	Refer to the Pinpoint Test	GO to Pinpoint Test E
The CTA system cannot be turned off in the message center	Refer to the Pinpoint Test	GO to Pinpoint Test F

Symptom Chart - Reverse Brake Assist

Condition	Possible Sources	Action New: *hover over Pinpoint Test links to show title*
The reverse brake assist is inoperative or does not operate correctly	Refer to the Pinpoint Test	GO to Pinpoint Test K

Pinpoint Tests

- [ ] PINPOINT TEST A : THE BLIS (BLIND SPOT INFORMATION SYSTEM) Â® IS INOPERATIVE OR DOES NOT FUNCTION CORRECTLY
- [ ] PINPOINT TEST B : THE CTA (CROSS TRAFFIC ALERT) SYSTEM IS INOPERATIVE OR DOES NOT FUNCTION CORRECTLY
- [ ] PINPOINT TEST C : AN EXTERIOR MIRROR BLIS (BLIND SPOT INFORMATION SYSTEM) Â®/ CTA (CROSS TRAFFIC ALERT) LED (LIGHT EMITTING DIODE) IS ALWAYS ON
- [ ] PINPOINT TEST D : AN EXTERIOR MIRROR BLIS (BLIND SPOT INFORMATION SYSTEM) Â®/ CTA (CROSS TRAFFIC ALERT) LED (LIGHT EMITTING DIODE) IS INOPERATIVE
- [ ] PINPOINT TEST E : THE IPC (INSTRUMENT PANEL CLUSTER) MESSAGE CENTER DISPLAYS A BLOCKED SENSOR MESSAGE
- [ ] PINPOINT TEST F : THE BLIS (BLIND SPOT INFORMATION SYSTEM) Â® AND CTA (CROSS TRAFFIC ALERT) SYSTEM CANNOT BE TURNED OFF IN THE MESSAGE CENTER
- [ ] PINPOINT TEST G : DTC (DIAGNOSTIC TROUBLE CODE) U0100:00, DTC (DIAGNOSTIC TROUBLE CODE) U0101:00
- [ ] PINPOINT TEST H : DTC (DIAGNOSTIC TROUBLE CODE) U0146:00
- [ ] PINPOINT TEST I : DTC (DIAGNOSTIC TROUBLE CODE) U0199:00
- [ ] PINPOINT TEST J : DTC (DIAGNOSTIC TROUBLE CODE) U0200:00
- [ ] PINPOINT TEST K : THE REVERSE BRAKE ASSIST IS INOPERATIVE OR DOES NOT OPERATE CORRECTLY

Removal and Installation

Side Obstacle Detection Control Module

Removal

NOTE: *LH side shown, RH side is similar.*

1. Remove the rear bumper cover.
   Refer to: Rear Bumper Cover (501-19 Bumpers, Removal and Installation).

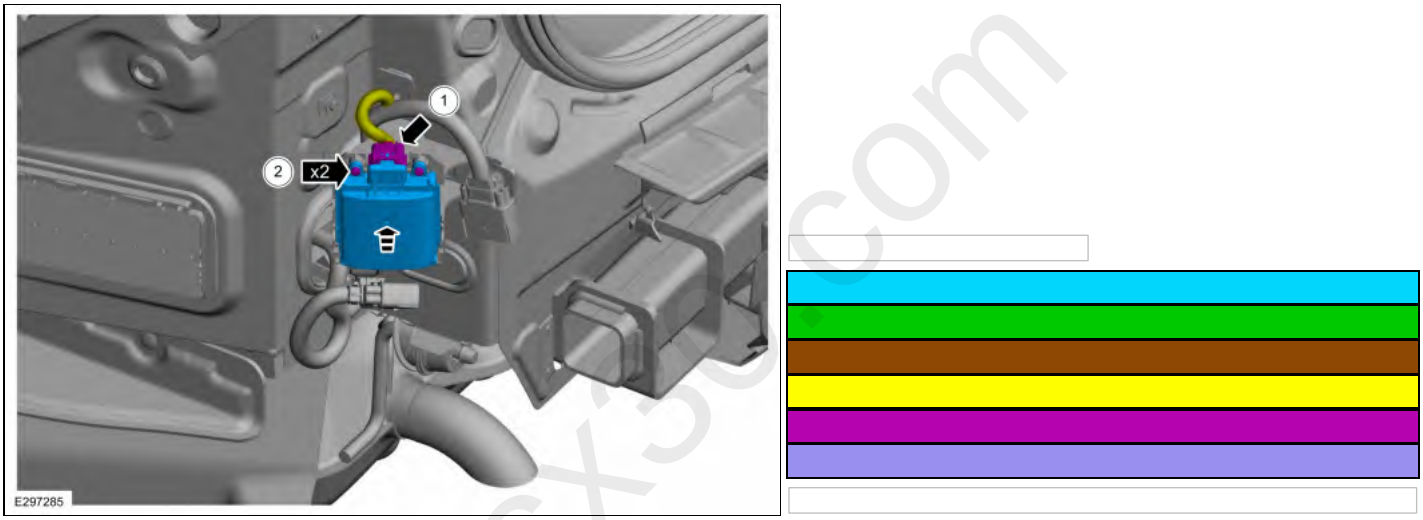
2. **NOTE:** *This step is only necessary if the SODL or SODR is being replaced.*

   NOTE: *If installing a new module, it is necessary to upload the module configuration information to the scan tool prior to removing the module. This information must be downloaded into the new module after installation.*

   NOTE: *If the SODL or SODR did not respond to the diagnostic scan tool, As-Built Data may need to be entered as part of the repair.*

   Using a diagnostic scan tool, begin the PMI process for the SODL or SODR following the on-screen instructions.

3. Remove the SODL.
   1. Disconnect the SODL electrical connector.
   2. Remove the SODL screws.



4. **NOTE:** *The location and number of electrical connectors may vary based on vehicle application.*

   If required.
   Disconnect the SODL wiring harness retainers and position the wiring harness aside.