

- Ignition OFF.
- Disconnect: TRM [C425B](#).
- Ignition ON.
- Measure:

TRAILER MODULE (TRM)	TRAILER MODULE (TRM)
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Positive Lead	Measurement / Action	Negative Lead
C425A-1		C425B-1

Is the voltage greater than 11 volts?

Yes	GO to A3
No	REPAIR the circuit.

A3 CHECK FOR CORRECT TRM (TRAILER MODULE) OPERATION

- Disconnect and inspect all TRM connectors.
- Repair:
 - corrosion (install new connector or terminals â€ clean module pins)
 - damaged or bent pins â€ install new terminals/pins
 - pushed-out pins â€ install new pins as necessary
- Reconnect the TRM 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 for any applicable Technical Service Bulletins (TSBs). If a TSB exists for this concern, DISCONTINUE this test and FOLLOW TSB instructions. If no Technical Service Bulletins (TSBs) address this concern, INSTALL a new TRM. REFER to: Trailer Module (TRM) (417-01 Exterior Lighting, 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 B : THE TRAILER STOP/TURN LAMP IS INOPERATIVE OR ALWAYS ON](#)

Refer to Wiring Diagrams Cell [95](#) 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).

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Condition
TRM B1D08:11	Left Trailer Direction Indicator: Circuit Short To Ground	A continuous memory and on-demand DTC that sets when the TRM detects a short to ground from the LH trailer stoplamp/turn signal output circuit.
TRM B1D08:12	Left Trailer Direction Indicator: Circuit Short To Battery	A continuous memory and on-demand DTC that sets when the TRM detects a short to voltage from the LH trailer stoplamp/turn signal output circuit.
TRM B1D09:11	Right Trailer Direction Indicator: Circuit Short To Ground	A continuous memory and on-demand DTC that sets when the TRM detects a short to ground from the RH trailer stoplamp/turn signal output circuit.
TRM B1D09:12	Right Trailer Direction Indicator: Circuit Short To Battery	A continuous memory and on-demand DTC that sets when the TRM detects a short to voltage from the RH trailer stoplamp/turn signal output circuit.
TRM U1000:00	Solid State Driver Protection Active - Driver Disabled: No Sub Type Information	A continuous DTC that sets when the TRM has temporarily shut down the output driver. The module has temporarily disabled a trailer stop/turn lamp output because an excessive current draw exists (such as a short to ground). The TRM cannot enable the trailer stop/turn lamp output until the cause of the short is corrected, the Diagnostic Trouble Codes (DTCs) have been cleared and a successful self-test is run.
TRM U3000:49	Control Module: Internal Electronic Failure	A continuous DTC that sets when the TRM has permanently shut down the output driver. The module has permanently disabled a trailer stop/turn lamp output because an excessive current draw fault (such as a short to ground) has exceeded the limits that the TRM can withstand. The cause of the excessive current draw MUST be corrected before a new TRM is installed.

Possible Sources

- Wiring, terminals or connectors
- Trailer concern
- TRM

B1 CHECK FOR TRM (TRAILER MODULE) DIAGNOSTIC TROUBLE CODES (DTCS)

- Ignition OFF.
- Disconnect the trailer if connected.
- Disconnect: Trailer Socket [C439](#).
- Ignition ON.
- Using a diagnostic scan tool, perform the TRM self-test.

Are any TRM Diagnostic Trouble Codes (DTCs) present?

Yes	For DTC B1D08:11 or B1D09:11, GO to B2 For DTC B1D08:12, or B1D09:12, GO to B3 For DTC U1000:00, CLEAR the Diagnostic Trouble Codes (DTCs) and REPEAT the self-test (required to enable the trailer stop/turn lamp output driver if DTC U1000:00 is present). TEST the system for normal operation. For DTC U3000:49, INSTALL a new TRM. REFER to: Trailer Module (TRM) (417-01 Exterior Lighting, Removal and Installation). For all other Diagnostic Trouble Codes (DTCs), REFER to the TRM DTC Chart in this section.
No	If sent to this test because of a TRM DTC, the vehicle is operating correctly. SEND the trailer to an authorized camper/trailer repair facility. If not sent to this test because of a TRM DTC, GO to B4

B2 CHECK FOR A SHORT TO GROUND AT THE TRAILER TOW CONNECTOR

- Ignition OFF.
- Disconnect: TRM [C425C](#).
- Measure:

TRAILER TOW CONNECTOR	
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LH Stop/Turn

Positive Lead	Measurement / Action	Negative Lead
C439-2	Ω	Ground

TRAILER TOW CONNECTOR	
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RH Stop/Turn

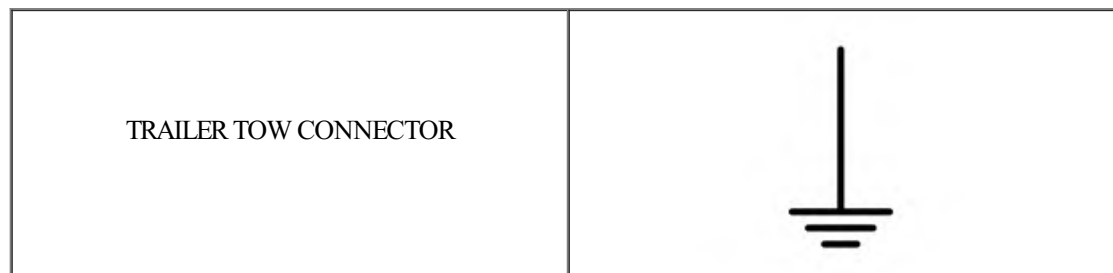
Positive Lead	Measurement / Action	Negative Lead
C439-1	Ω	Ground

Is the resistance greater than 10,000 ohms?

Yes	GO to B6
No	REPAIR the circuit. After the repair: If no Diagnostic Trouble Codes (DTCs) are present, TEST the system for normal operation. If any TRM Diagnostic Trouble Codes (DTCs) other than DTC U3000:49 are present, CLEAR the Diagnostic Trouble Codes (DTCs), REPEAT the self-test (required to enable the lamp output driver) and cycle the ignition OFF and ON. TEST the system for normal operation. If DTC U3000:49 is present, INSTALL a new TRM. REFER to: Trailer Module (TRM) (417-01 Exterior Lighting, Removal and Installation).

B3 CHECK FOR A SHORT TO VOLTAGE AT THE TRAILER TOW CONNECTOR

- Ignition OFF.
- Disconnect: TRM [C425C](#).
- Ignition ON.
- Measure:



LH Stop/Turn

Positive Lead	Measurement / Action	Negative Lead
C439-2		Ground



RH Stop/Turn

Positive Lead	Measurement / Action	Negative Lead
C439-1		Ground

Is any voltage present?

Yes	REPAIR the circuit.
No	GO to B6

B4 CHECK THE TRM (TRAILER MODULE) STOPLAMP OUTPUTS

- While the brake pedal is pressed, measure:

TRAILER TOW CONNECTOR	
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LH Stop/Turn

Positive Lead	Measurement / Action	Negative Lead
C439-2		Ground

TRAILER TOW CONNECTOR	
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RH Stop/Turn

Positive Lead	Measurement / Action	Negative Lead
C439-1		Ground

Are the voltages greater than 11 volts?

Yes	The vehicle is operating correctly. SEND the trailer to an authorized camper/trailer repair facility.
No	GO to B5

B5 CHECK FOR AN OPEN TO THE TRAILER TOW CONNECTOR

- Ignition OFF.
- Disconnect: TRM [C425C](#).
- Measure:

TRAILER TOW CONNECTOR	TRAILER MODULE (TRM)
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LH Stop/Turn

Positive Lead	Measurement / Action	Negative Lead
C439-2	Ω	C425C-1

TRAILER TOW CONNECTOR	TRAILER MODULE (TRM)
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RH Stop/Turn

Positive Lead	Measurement / Action	Negative Lead
C439-1	Ω	C425C-2

Is the resistance less than 3 ohms?

Yes	GO to B6
No	REPAIR the circuit.

B6 CHECK FOR CORRECT TRM (TRAILER MODULE) OPERATION

- Disconnect and inspect all TRM 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 TRM 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 for any applicable Technical Service Bulletins (TSBs). If a TSB exists for this concern, DISCONTINUE this test and FOLLOW TSB instructions. If no Technical Service Bulletins (TSBs) address this concern, INSTALL a new TRM. REFER to: Trailer Module (TRM) (417-01 Exterior Lighting, 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 C : THE TRAILER PARKING LAMPS ARE INOPERATIVE OR ALWAYS ON

Refer to Wiring Diagrams Cell [95](#) 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).

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Condition
TRM B1449:11	Trailer Tow Park/Tail Lamp Output: Circuit Short To Ground	A continuous memory and on-demand DTC that sets when the TRM detects a short to ground from the trailer parking lamps output circuit.
TRM B1449:12	Trailer Tow Park/Tail Lamp Output: Circuit Short To Battery	A continuous memory and on-demand DTC that sets when the TRM detects a short to voltage from the trailer parking lamps output circuit.

Possible Sources

- Wiring, terminals or connectors
- Trailer concern
- TRM

C1 CHECK FOR TRM (TRAILER MODULE) DIAGNOSTIC TROUBLE CODES (DTCS)

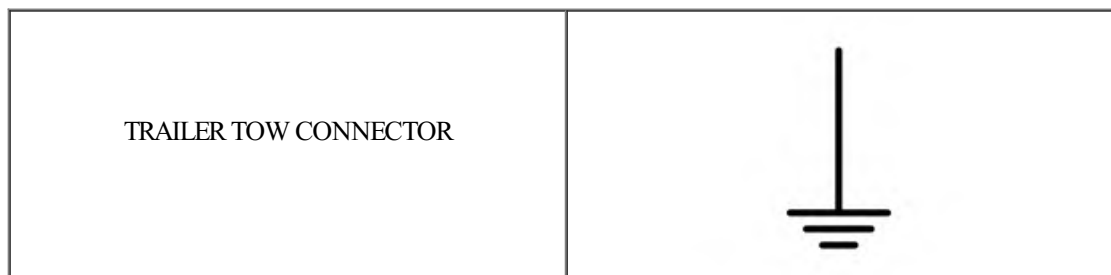
- Ignition OFF.
- Disconnect the trailer if connected.
- Disconnect: Trailer Socket [C439](#).
- Ignition ON.
- Using a diagnostic scan tool, perform the TRM self-test.

Are any TRM Diagnostic Trouble Codes (DTCs) present?

Yes	For DTC B1449:11, GO to C2 For DTC B1449:12, GO to C3 For DTC U1000:00, CLEAR the Diagnostic Trouble Codes (DTCs) and REPEAT the self-test (required to enable the trailer parking lamps output driver if DTC U1000:00 is present). TEST the system for normal operation. For DTC U3000:49, INSTALL a new TRM. REFER to: Trailer Module (TRM) (417-01 Exterior Lighting, Removal and Installation). For all other Diagnostic Trouble Codes (DTCs), REFER to the TRM DTC Chart in this section.
No	If sent to this test because of a TRM DTC, the vehicle is operating correctly. SEND the trailer to an authorized camper/trailer repair facility. If not sent to this test because of a TRM DTC, GO to C4

C2 CHECK FOR A SHORT TO GROUND AT THE TRAILER TOW CONNECTOR

- Ignition OFF.
- Disconnect: TRM [C425C](#).
- Measure:



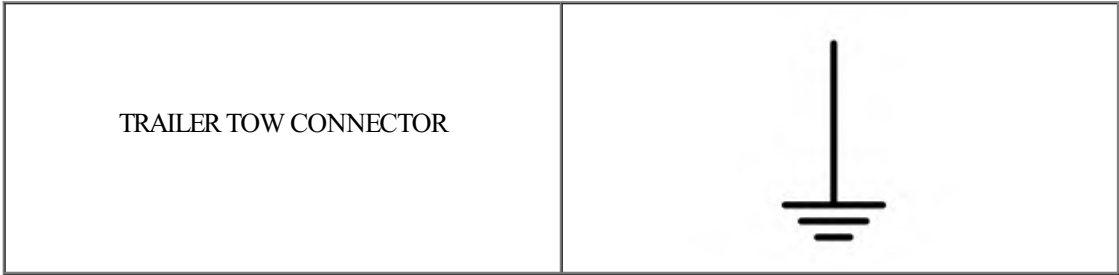
Positive Lead	Measurement / Action	Negative Lead
C439-3	Ω	Ground

Is the resistance greater than 10,000 ohms?

Yes	GO to C6
No	REPAIR the circuit. After the repair: If no Diagnostic Trouble Codes (DTCs) are present, TEST the system for normal operation. If any TRM Diagnostic Trouble Codes (DTCs) other than DTC U3000:49 are present, CLEAR the Diagnostic Trouble Codes (DTCs), REPEAT the self-test (required to enable the lamp output driver) and cycle the ignition OFF and ON. TEST the system for normal operation. If DTC U3000:49 is present, INSTALL a new TRM. REFER to: Trailer Module (TRM) (417-01 Exterior Lighting, Removal and Installation).

C3 CHECK FOR A SHORT TO VOLTAGE AT THE TRAILER TOW CONNECTOR

- Ignition OFF.
- Disconnect: TRM [C425C](#).
- Ignition ON.
- Measure:



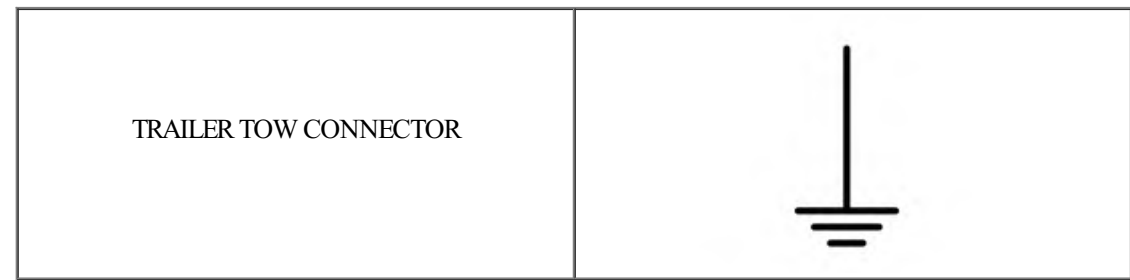
Positive Lead	Measurement / Action	Negative Lead
C439-3		Ground

Is any voltage present?

Yes	REPAIR the circuit.
No	GO to C6

C4 CHECK THE TRM (TRAILER MODULE) PARKING LAMPS OUTPUTS

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



Positive Lead	Measurement / Action	Negative Lead
C439-3		Ground

Is the voltage greater than 11 volts?

Yes	The vehicle is operating correctly. SEND the trailer to an authorized camper/trailer repair facility.
No	GO to C5

C5 CHECK FOR AN OPEN TO THE TRAILER TOW CONNECTOR

- Ignition OFF.
- Disconnect: TRM [C425C](#).
- Measure:

TRAILER TOW CONNECTOR	TRAILER MODULE (TRM)
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Positive Lead	Measurement / Action	Negative Lead
C439-3	Ω	C425C-3

Is the resistance less than 3 ohms?

Yes	GO to C6
No	REPAIR the circuit.

C6 CHECK FOR CORRECT TRM (TRAILER MODULE) OPERATION

- Disconnect and inspect all TRM 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 TRM 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 for any applicable Technical Service Bulletins (TSBs). If a TSB exists for this concern, DISCONTINUE this test and FOLLOW TSB instructions. If no Technical Service Bulletins (TSBs) address this concern, INSTALL a new TRM. REFER to: Trailer Module (TRM) (417-01 Exterior Lighting, 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.

Refer to Wiring Diagrams Cell [95](#) 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).

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Condition
TRM U0140:00	Lost Communication With Body Control Module: No Sub Type Information	A continuous memory DTC that sets when the TRM if messages received from the BCM are missing.

Possible Sources

- Communication concern
- BCM
- TRM
- BCM concern

D1 VERIFY THE CUSTOMER CONCERN

- Ignition ON.
- Verify that there is an observable symptom present.

Is an observable symptom present?

Yes	GO to D2
No	The system is operating normally at this time. The DTC may have been set due to high network traffic or an intermittent fault condition. CLEAR the DTC.

D2 CHECK THE COMMUNICATION NETWORK

- Using a diagnostic scan tool, perform a network test.

Does the TRM pass the network test?

Yes	GO to D3
No	DIAGNOSE the TRM not communicating with the diagnostic scan tool. REFER to: Communications Network (418-00 Module Communications Network, Diagnosis and Testing).

D3 RETRIEVE THE BCM (BODY CONTROL MODULE) DIAGNOSTIC TROUBLE CODES (DTCS)

- Using a diagnostic scan tool, perform the BCM self-test.

Are any BCM Diagnostic Trouble Codes (DTCs) recorded?

Yes	REFER to: Body Control Module (BCM) (419-10 Multifunction Electronic Modules, Diagnosis and Testing).
No	GO to D4

D4 RECHECK THE TRM (TRAILER MODULE) DIAGNOSTIC TROUBLE CODES (DTCS)

- Using a diagnostic scan tool, clear the TRM Diagnostic Trouble Codes (DTCs).
- Wait 10 seconds.
- Ignition OFF.
- Ignition ON.
- Using a diagnostic scan tool, perform the TRM self-test.

Is DTC U0140:00 still present?

Yes	GO to D5
No	The system is operating correctly at this time. The DTC may have been set due to high network traffic or an intermittent fault condition.

D5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0140 SET IN OTHER MODULES

- Using a diagnostic scan tool, clear all Diagnostic Trouble Codes (DTCs).
- Ignition OFF.
- Ignition ON.
- Using a diagnostic scan tool, perform the self-test.
- Retrieve the Diagnostic Trouble Codes (DTCs) from all modules.

Is DTC U0140 set in any other module?

Yes	GO to D6
No	GO to D7

D6 CHECK FOR CORRECT BCM (BODY CONTROL MODULE) OPERATION

- Disconnect and inspect all BCM 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 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 for any applicable Technical Service Bulletins (TSBs). If a TSB exists for this concern, DISCONTINUE this test and FOLLOW TSB instructions. If no Technical Service Bulletins (TSBs) address this concern, Click here to access Guided Routine (BCM) .
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.

D7 CHECK FOR CORRECT TRM (TRAILER MODULE) OPERATION

- Disconnect and inspect all TRM connectors.
- Repair:
 - corrosion (install new connector or terminals â€ clean module pins)
 - damaged or bent pins â€ install new terminals/pins
 - pushed-out pins â€ install new pins as necessary
- Reconnect the TRM 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 for any applicable Technical Service Bulletins (TSBs). If a TSB exists for this concern, DISCONTINUE this test and FOLLOW TSB instructions. If no Technical Service Bulletins (TSBs) address this concern, INSTALL a new TRM. REFER to: Trailer Module (TRM) (417-01 Exterior Lighting, 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 E : U0422:68

Refer to Wiring Diagrams Cell [92](#) 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).

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Condition
TRM U0422:68	Invalid Data Received From Body Control Module: Event Information	A continuous memory and on-demand DTC that sets when the TRM receives invalid network data from the BCM.

Possible Sources

- HCM

E1 REPEAT THE ON-DEMAND SELF-TEST AND CHECK FOR DIAGNOSTIC TROUBLE CODES (DTCs)

- Using a diagnostic scan tool, repeat the BCM self-test.

Are any non-network Diagnostic Trouble Codes (DTCs) present?

Yes	REPAIR the BCM Diagnostic Trouble Codes (DTCs). REFER to: Body Control Module (BCM) (419-10 Multifunction Electronic Modules, Diagnosis and Testing).
No	Diagnose all network Diagnostic Trouble Codes (DTCs). REFER to: Communications Network (418-00 Module Communications Network, Diagnosis and Testing).

PINPOINT TEST F : U2100:00

Refer to Wiring Diagrams Cell [92](#) 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).

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Condition
TRM U2100:00	Initial Configuration Not Complete: No Sub Type Information	A continuous memory and on-demand DTC that sets due to incomplete or incorrect TRM configuration.

Possible Sources

- TRM

F1 CHECK VEHICLE HISTORY

- Check vehicle history for recent service actions with the TRM.

Where there any recent TRM service actions?

Yes	PERFORM the PMI procedure as directed by the scan tool. REFER to: Module Programming (418-01 Module Configuration, General Procedures).
No	GO to F2

F2 CHECK FOR CORRECT TRM (TRAILER MODULE) OPERATION

- Disconnect and inspect the TRM and related in-line connectors.
- Repair:
 - corrosion (install new connector or terminals â€œ clean module pins)
 - damaged or bent pins â€œ install new terminals/pins
 - pushed-out pins â€œ install new pins as necessary
- Reconnect the TRM and related in-line connectors. Make sure it seats and latches correctly.
- Operate the system and determine if the concern is still present.

Is the concern still present?

Yes	CHECK OASIS for any applicable service articles: TSB, GSB, SSM or FSA. 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 TRM. REFER to: Trailer Module (TRM) (417-01 Exterior Lighting, 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 G : U1000:00, U3000:49](#)

Refer to Wiring Diagrams Cell [92](#) 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).

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Condition
TRM U1000:00	Solid State Driver Protection Active -Driver Disabled: No Sub Type Information	A continuous memory and on-demand DTC that sets when the module has temporarily disabled an output because an excessive current draw exists (such as a short to ground). The TRM cannot enable the output until the cause of the short is corrected. ADDRESS all other Diagnostic Trouble Codes (DTCs) first. After the cause of the concern is corrected, CLEAR the Diagnostic Trouble Codes (DTCs). REPEAT the self-test.
TRM U3000:49	Control Module: Internal Electronic Failure	A continuous memory and on-demand DTC that sets when the module has permanently disabled an output because an excessive current draw fault (such as a short to ground) has exceeded the limits that the TRM can withstand. The cause of the excessive current draw MUST be corrected before a new TRM is installed. ADDRESS all other Diagnostic Trouble Codes (DTCs) first. After the cause of the concern is corrected, INSTALL a new TRM.

Possible Sources

- HCM

G1 REPEAT THE ON-DEMAND SELF-TEST AND CHECK FOR TRM (TRAILER MODULE) DIAGNOSTIC TROUBLE CODES (DTCS)

- Using a diagnostic scan tool, clear the Diagnostic Trouble Codes (DTCs) and repeat the TRM self-test.

Does TRM DTC U1000:00 or U3000:49 return?

Yes	CHECK OASIS for any applicable service articles: TSB, GSB, SSM or FSA. 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 TRM. REFER to: Trailer Module (TRM) (417-01 Exterior Lighting, Removal and Installation).
No	The system is operating correctly at this time.

Turn Signal and Hazard 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).

DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
B123A:11	Left Front Turn Indicator: Circuit Short to Ground	GO to Pinpoint Test B
B123A:15	Left Front Turn Indicator: Circuit Short to Battery or Open	GO to Pinpoint Test B
B123B:11	Right Front Turn Indicator: Circuit Short to Ground	GO to Pinpoint Test B
B123B:15	Right Front Turn Indicator: Circuit Short to Battery or Open	GO to Pinpoint Test B
B1247:11	Left Rear Turn Indicator: Circuit Short To Ground	GO to Pinpoint Test B
B1247:15	Left Rear Turn Indicator: Circuit Short To Battery or Open	GO to Pinpoint Test B
B1248:11	Right Rear Turn Indicator: Circuit Short To Ground	GO to Pinpoint Test B
B1248:15	Right Rear Turn Indicator: Circuit Short To Battery or Open	GO to Pinpoint Test B
B1265:01	Left Rear Turn Lamp Feedback: General Electrical Failure	GO to Pinpoint Test D
B1266:01	Right Rear Turn Lamp Feedback: General Electrical Failure	GO to Pinpoint Test D
B1497:01	Left Front Turn Lamp Feedback: General Electrical Failure	GO to Pinpoint Test D

DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
B1498:01	Right Front Turn Lamp Feedback: General Electrical Failure	GO to Pinpoint Test D
B1D35:11	Hazard Switch: Circuit Short to Ground	GO to Pinpoint Test C
U1000:00	Solid State Driver Protection Active -Driver Disabled: No Sub Type Information	The module has temporarily disabled an output because an excessive current draw exists (such as a short to ground). The BCM cannot enable the output until the cause of the short is corrected. ADDRESS all other Diagnostic Trouble Codes (DTCs) first. After the cause of the concern is corrected, CLEAR the Diagnostic Trouble Codes (DTCs). REPEAT the self-test. For additional information on BCM Field Effect Transistor (FET) protection, REFER to: Module Controlled Functions - System Operation and Component Description (419-10 Multifunction Electronic Modules, Description and Operation).
U3000:49	Control Module: Internal Electronic Failure	The module has permanently disabled an output because an excessive current draw fault (such as a short to ground) has exceeded the limits that the BCM can withstand. The cause of the excessive current draw MUST be corrected before a new BCM is installed. ADDRESS all other Diagnostic Trouble Codes (DTCs) first. After the cause of the concern is corrected, Click here to access Guided Routine (BCM) . For additional information on BCM Field Effect Transistor (FET) protection, REFER to: Module Controlled Functions - System Operation and Component Description (419-10 Multifunction Electronic Modules, Description and Operation).
For other BCM Diagnostic Trouble Codes (DTCs)	-	REFER to: Body Control Module (BCM) (419-10 Multifunction Electronic Modules, Diagnosis and Testing).

DTC Chart: DDM

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).

DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
B1D06:11	Left Turn Indicator: Circuit Short To Ground	GO to Pinpoint Test B
For other DDM Diagnostic Trouble Codes (DTCs)	-	REFER to: Locks, Latches and Entry Systems (501-14 Handles, Locks, Latches and Entry Systems, Diagnosis and Testing).

DTC Chart: PDM

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).

DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
B1D07:11	Right Turn Indicator: Circuit Short To Ground	GO to Pinpoint Test B