

Generic Function Module 2 (GFM2)

Diagnostic Trouble Code (DTC) 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).

Diagnostic Trouble Code Chart

Module	DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
GFM2	B14F0:11	High Side Driver #1: Circuit Short To Ground	GO to Pinpoint Test B
GFM2	B14F0:12	High Side Driver #1: Circuit Short To Battery	GO to Pinpoint Test B
GFM2	B14F0:13	High Side Driver #1: Circuit Open	GO to Pinpoint Test B
GFM2	B14F1:11	High Side Driver #2: Circuit Short To Ground	GO to Pinpoint Test B
GFM2	B14F1:12	High Side Driver #2: Circuit Short To Battery	GO to Pinpoint Test B
GFM2	B14F1:13	High Side Driver #2: Circuit Open	GO to Pinpoint Test B
GFM2	B14F2:11	High Side Driver #3: Circuit Short To Ground	GO to Pinpoint Test B
GFM2	B14F2:12	High Side Driver #3: Circuit Short To Battery	GO to Pinpoint Test B
GFM2	B14F2:13	High Side Driver #3: Circuit Open	GO to Pinpoint Test B
GFM2	B14F3:11	High Side Driver #4: Circuit Short To Ground	GO to Pinpoint Test B
GFM2	B14F3:12	High Side Driver #4: Circuit Short To Battery	GO to Pinpoint Test B
GFM2	B14F3:13	High Side Driver #4: Circuit Open	GO to Pinpoint Test B
GFM2	B14F4:11	High Side Driver #5: Circuit Short To Ground	GO to Pinpoint Test B
GFM2	B14F4:12	High Side Driver #5: Circuit Short To Battery	GO to Pinpoint Test B
GFM2	B14F4:13	High Side Driver #5: Circuit Open	GO to Pinpoint Test B
GFM2	B14F5:11	High Side Driver #6: Circuit Short To Ground	GO to Pinpoint Test B
GFM2	B14F5:12	High Side Driver #6: Circuit Short To Battery	GO to Pinpoint Test B
GFM2	B14F5:13	High Side Driver #6: Circuit Open	GO to Pinpoint Test B
GFM2	B14F6:11	High Side Driver #7: Circuit Short To Ground	GO to Pinpoint Test B
GFM2	B14F6:12	High Side Driver #7: Circuit Short To Battery	GO to Pinpoint Test B
GFM2	B14F6:13	High Side Driver #7: Circuit Open	GO to Pinpoint Test B
GFM2	B14F7:11	High Side Driver #8: Circuit Short To Ground	GO to Pinpoint Test B
GFM2	B14F7:12	High Side Driver #8: Circuit Short To Battery	GO to Pinpoint Test B
GFM2	B14F7:13	High Side Driver #8: Circuit Open	GO to Pinpoint Test B
GFM2	B14F8:11	Low Side Driver #1: Circuit Short To Ground	GO to Pinpoint Test B
GFM2	B14F8:12	Low Side Driver #1: Circuit Short To Battery	GO to Pinpoint Test B
GFM2	B14F8:13	Low Side Driver #1: Circuit Open	GO to Pinpoint Test B
GFM2	B14F9:11	Low Side Driver #2: Circuit Short To Ground	GO to Pinpoint Test B
GFM2	B14F9:12	Low Side Driver #2: Circuit Short To Battery	GO to Pinpoint Test B
GFM2	B14F9:13	Low Side Driver #2: Circuit Open	GO to Pinpoint Test B
GFM2	B14FA:11	Low Side Driver #3: Circuit Short To Ground	GO to Pinpoint Test B
GFM2	B14FA:12	Low Side Driver #3: Circuit Short To Battery	GO to Pinpoint Test B
GFM2	B14FA:13	Low Side Driver #3: Circuit Open	GO to Pinpoint Test B
GFM2	B14FB:11	Low Side Driver #4: Circuit Short To Ground	GO to Pinpoint Test B
GFM2	B14FB:12	Low Side Driver #4: Circuit Short To Battery	GO to Pinpoint Test B
GFM2	B14FB:13	Low Side Driver #4: Circuit Open	GO to Pinpoint Test B
GFM2	B14FC:11	Low Side Driver #5: Circuit Short To Ground	GO to Pinpoint Test B

Module	DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
GFM2	B14FC:12	Low Side Driver #5: Circuit Short To Battery	GO to Pinpoint Test B
GFM2	B14FC:13	Low Side Driver #5: Circuit Open	GO to Pinpoint Test B
GFM2	B14FE:11	Low Side Driver #6: Circuit Short To Ground	GO to Pinpoint Test B
GFM2	B14FE:12	Low Side Driver #6: Circuit Short To Battery	GO to Pinpoint Test B
GFM2	B14FE:13	Low Side Driver #6: Circuit Open	GO to Pinpoint Test B
GFM2	B14FF:11	Low Side Driver #7: Circuit Short To Ground	GO to Pinpoint Test B
GFM2	B14FF:12	Low Side Driver #7: Circuit Short To Battery	GO to Pinpoint Test B
GFM2	B14FF:13	Low Side Driver #7: Circuit Open	GO to Pinpoint Test B
GFM2	U0140:01	Lost Communication With Body Control Module: General Electrical Failure	GO to Pinpoint Test C
GFM2	U1000:00	Solid State Driver Protection Active: Driver Disabled: No Sub Type Information	GO to Pinpoint Test D
GFM2	U3000:49	Control module: Internal Electronic Failure	GO to Pinpoint Test E

Symptom Chart

Symptom Chart: Multifunction Electronic Modules

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).

Condition	Possible Sources	Action <i>New: hover over Pinpoint Test links to show title</i>
GFM2 controlled systems are inoperable	Refer to the Pinpoint Test	GO to Pinpoint Test A

Pinpoint Tests

PINPOINT TEST A : GFM2 (GENERIC FUNCTION MODULE 2) CONTROLLED SYSTEMS ARE INOPERABLE

NOTE: Except for GFM2 power, ground and HS-CAN, all wiring is provided by an upfitter. REFER to upfitter documentation for wiring and system operation.

Refer to Wiring Diagrams Cell [140](#) for schematic and connector information.

Normal Operation and Fault Conditions

REFER to: Generic Function Module 2 (GFM2) (419-10 Multifunction Electronic Modules, Description and Operation).

Possible Sources

- Wiring, terminals or connectors
- Fuses
- Upfitter relays
- Upfitter devices
- GFM2

Visual Inspection and Pre-checks

- Verify BJB fuse F91 (10A).
- Inspect the GFM2 for loose or corroded connections.

A1 CHECK FOR CHARGING SYSTEM DIAGNOSTIC TROUBLE CODES (DTCS) SET IN OTHER MODULES

- Ignition ON.
- Connect the diagnostic tool.
- Using a diagnostic scan tool, retrieve **all** Continuous Memory Diagnostic Trouble Codes (CMDTCs).

Are any charging system DTCs recorded?

Yes	DIAGNOSE the charging system concern. Refer to the appropriate section in Group 414 for the procedure.
No	GO to A2

A2 CHECK THE BATTERY CONDITION AND STATE OF CHARGE

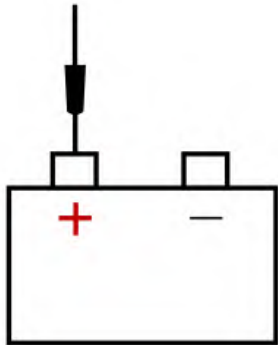
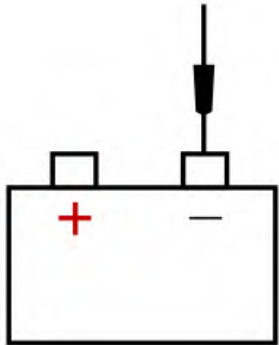
- Check the battery condition and verify the battery is fully charged.
REFER to: Battery (414-01 Battery, Mounting and Cables, Diagnosis and Testing).

Is the battery OK and fully charged?

Yes	GO to A3
No	If the battery is discharged, DIAGNOSE the cause of the low battery condition. Refer to the appropriate section in Group 414 for the procedure. If the battery condition fails, INSTALL a new battery. REFER to: Battery (414-01 Battery, Mounting and Cables, Removal and Installation).

A3 CHECK GFM2 (GENERIC FUNCTION MODULE 2) POWER

- Ignition OFF.
- Disconnect GFM2 [C290C](#) .
- Ignition ON.
- Measure and record:

Positive Lead	Measurement / Action	Negative Lead
 E148840		 E148841

- Measure:

GENERIC FUNCTION MODULE	
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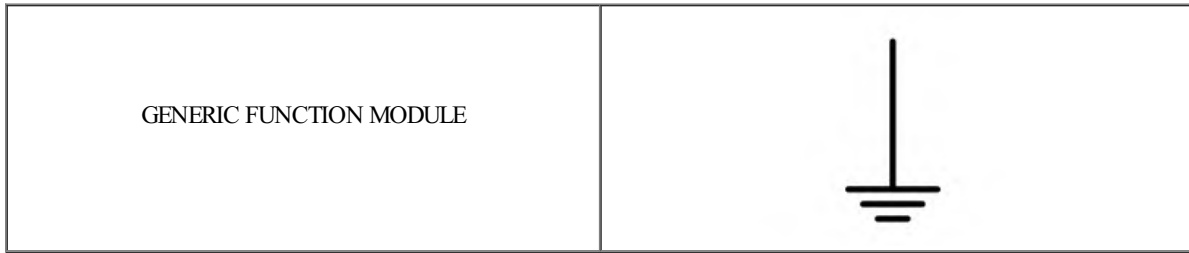
Positive Lead	Measurement / Action	Negative Lead
C290C-1		Ground

Is the voltage within 0.5 volt of the recorded battery voltage?

Yes	GO to A4
No	VERIFY BJB fuse F91 (10A) is OK. If OK, REPAIR the circuit. If not OK, REFER to the Wiring Diagrams manual to identify the possible causes of the circuit short to ground.

A4 CHECK GFM2 (GENERIC FUNCTION MODULE 2) GROUND

- Ignition OFF.
- Measure:



Positive Lead	Measurement / Action	Negative Lead
C290C-4	Ω	Ground

Is the resistance less than 3 ohms?

Yes	INSTALL a new GFM2 REFER to: Generic Function Module 2 (GFM2) (419-10 Multifunction Electronic Modules, Removal and Installation).
No	REPAIR the circuit.

PINPOINT TEST B : GFM2 (GENERIC FUNCTION MODULE 2) OUTPUT FAULT

NOTE: Except for GFM2 power, ground and HS-CAN, all wiring is provided by an upfitter. REFER to upfitter documentation for wiring and system operation.

Refer to Wiring Diagrams Cell [140](#) for schematic and connector information.

Normal Operation and Fault Conditions

REFER to: Body Control Module (BCM) - System Operation and Component Description (419-10 Multifunction Electronic Modules, Description and Operation).

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Condition
GFM2 B14F0:11	High Side Driver #1: Circuit Short To Ground	The GFM2 has detected a short to ground on high side driver output #1.
GFM2 B14F0:12	High Side Driver #1: Circuit Short To Battery	The GFM2 has detected a short to battery on high side driver output #1.
GFM2 B14F0:13	High Side Driver #1: Circuit Open	The GFM2 has detected that high side driver output #1 circuit is open.
GFM2 B14F1:11	High Side Driver #2: Circuit Short To Ground	The GFM2 has detected a short to ground on high side driver output #2.
GFM2 B14F1:12	High Side Driver #2: Circuit Short To Battery	The GFM2 has detected a short to battery on high side driver output #2.
GFM2 B14F1:13	High Side Driver #2: Circuit Open	The GFM2 has detected that high side driver output #2 circuit is open.
GFM2 B14F2:11	High Side Driver #3: Circuit Short To Ground	The GFM2 has detected a short to ground on high side driver output #3.
GFM2 B14F2:12	High Side Driver #3: Circuit Short To Battery	The GFM2 has detected a short to battery on high side driver output #3.
GFM2 B14F2:13	High Side Driver #3: Circuit Open	The GFM2 has detected that high side driver output #3 circuit is open.
GFM2 B14F3:11	High Side Driver #4: Circuit Short To Ground	The GFM2 has detected a short to ground on high side driver output #4.
GFM2 B14F3:12	High Side Driver #4: Circuit Short To Battery	The GFM2 has detected a short to battery on high side driver output #4.
GFM2 B14F3:13	High Side Driver #4: Circuit Open	The GFM2 has detected that high side driver output #4 circuit is open.
GFM2 B14F4:11	High Side Driver #5: Circuit Short To Ground	The GFM2 has detected a short to ground on high side driver output #5.
GFM2 B14F4:12	High Side Driver #5: Circuit Short To Battery	The GFM2 has detected a short to battery on high side driver output #5.
GFM2 B14F4:13	High Side Driver #5: Circuit Open	The GFM2 has detected that high side driver output #5 circuit is open.
GFM2 B14F5:11	High Side Driver #6: Circuit Short To Ground	The GFM2 has detected a short to ground on high side driver output #6.

GFM2 B14F5:12	High Side Driver #6: Circuit Short To Battery	The GFM2 has detected a short to battery on high side driver output #6.
GFM2 B14F5:13	High Side Driver #6: Circuit Open	The GFM2 has detected that high side driver output #6 circuit is open.
GFM2 B14F6:11	High Side Driver #7: Circuit Short To Ground	The GFM2 has detected a short to ground on high side driver output #7.
GFM2 B14F6:12	High Side Driver #7: Circuit Short To Battery	The GFM2 has detected a short to battery on high side driver output #7.
GFM2 B14F6:13	High Side Driver #7: Circuit Open	The GFM2 has detected that high side driver output #7 circuit is open.
GFM2 B14F7:11	High Side Driver #8: Circuit Short To Ground	The GFM2 has detected a short to ground on high side driver output #8.
GFM2 B14F7:12	High Side Driver #8: Circuit Short To Battery	The GFM2 has detected a short to battery on high side driver output #8.
GFM2 B14F7:13	High Side Driver #8: Circuit Open	The GFM2 has detected that high side driver output #8 circuit is open.
GFM2 B14F8:11	Low Side Driver #1: Circuit Short To Ground	The GFM2 has detected a short to ground on low side driver output #1.
GFM2 B14F8:12	Low Side Driver #1: Circuit Short To Battery	The GFM2 has detected a short to battery on low side driver output #1.
GFM2 B14F8:13	Low Side Driver #1: Circuit Open	The GFM2 has detected that low side driver output #1 circuit is open.
GFM2 B14F9:11	Low Side Driver #2: Circuit Short To Ground	The GFM2 has detected a short to ground on low side driver output #2.
GFM2 B14F9:12	Low Side Driver #2: Circuit Short To Battery	The GFM2 has detected a short to battery on low side driver output #2.
GFM2 B14F9:13	Low Side Driver #2: Circuit Open	The GFM2 has detected that low side driver output #2 circuit is open.
GFM2 B14FA:11	Low Side Driver #3: Circuit Short To Ground	The GFM2 has detected a short to ground on low side driver output #3.
GFM2 B14FA:12	Low Side Driver #3: Circuit Short To Battery	The GFM2 has detected a short to battery on low side driver output #3.
GFM2 B14FA:13	Low Side Driver #3: Circuit Open	The GFM2 has detected that low side driver output #3 circuit is open.
GFM2 B14FB:11	Low Side Driver #4: Circuit Short To Ground	The GFM2 has detected a short to ground on low side driver output #4.
GFM2 B14FB:12	Low Side Driver #4: Circuit Short To Battery	The GFM2 has detected a short to battery on low side driver output #4.
GFM2 B14FB:13	Low Side Driver #4: Circuit Open	The GFM2 has detected that low side driver output #4 circuit is open.
GFM2 B14FC:11	Low Side Driver #5: Circuit Short To Ground	The GFM2 has detected a short to ground on low side driver output #5.
GFM2 B14FC:12	Low Side Driver #5: Circuit Short To Battery	The GFM2 has detected a short to battery on low side driver output #5.
GFM2 B14FC:13	Low Side Driver #5: Circuit Open	The GFM2 has detected that low side driver output #5 circuit is open.
GFM2 B14FE:11	Low Side Driver #6: Circuit Short To Ground	The GFM2 has detected a short to ground on low side driver output #6.
GFM2 B14FE:12	Low Side Driver #6: Circuit Short To Battery	The GFM2 has detected a short to battery on low side driver output #6.
GFM2 B14FE:13	Low Side Driver #6: Circuit Open	The GFM2 has detected that low side driver output #6 circuit is open.
GFM2 B14FF:11	Low Side Driver #7: Circuit Short To Ground	The GFM2 has detected a short to ground on low side driver output #7.
GFM2 B14FF:12	Low Side Driver #7: Circuit Short To Battery	The GFM2 has detected a short to battery on low side driver output #7.
GFM2 B14FF:13	Low Side Driver #7: Circuit Open	The GFM2 has detected that low side driver output #7 circuit is open.

Possible Sources

- Wiring, terminals or connectors
- GFM2

Visual Inspection and Pre-checks

- Inspect BJB fuse F91 (10A).

B1 CHECK THE GFM2 (GENERIC FUNCTION MODULE 2) OUTPUT CIRCUIT FOR AN OPEN

- Ignition ON.
- Connect the diagnostic tool.
- Using a diagnostic scan tool, clear the Diagnostic Trouble Codes (DTCs).
- Using a diagnostic scan tool, perform the GFM2 self-test.

Are any GFM2 DTCs ending in 13 present?

Yes	REFER to the upfitter wiring information and repair the open circuit. If the circuit tests OK, INSTALL a new GFM2 REFER to: Generic Function Module 2 (GFM2) (419-10 Multifunction Electronic Modules, Removal and Installation).
No	GO to B2

B2 CHECK THE GFM2 (GENERIC FUNCTION MODULE 2) OUTPUT CIRCUIT FOR A SHORT TO GROUND

- Ignition OFF.
- Disconnect GFM2 [C290B](#).
- Ignition ON.
- Using a diagnostic scan tool, clear the DTCs.
- Wait 10 seconds.
- Operate the system for the output which failed.

Are any GFM2 DTCs ending in 11 present?

Yes	If the DTC returns, INSTALL a new GFM2 REFER to: Generic Function Module 2 (GFM2) (419-10 Multifunction Electronic Modules, Removal and Installation). If the DTC does not return, REFER to the upfitter wiring information and repair the short to ground.
No	GO to B3

B3 CHECK THE GFM2 (GENERIC FUNCTION MODULE 2) OUTPUT CIRCUIT FOR A SHORT TO BATTERY

- Operate the system for the output which failed.

Are any GFM2 DTCs ending in 12 present?

Yes	If the DTC returns, INSTALL a new GFM2 REFER to: Generic Function Module 2 (GFM2) (419-10 Multifunction Electronic Modules, Removal and Installation). If the DTC does not return, REFER to the upfitter wiring information and repair the short to power.
No	GO to B4

B4 CHECK FOR CORRECT GFM2 (GENERIC FUNCTION MODULE 2) OPERATION

- Ignition OFF.
- Disconnect and inspect the GFM2 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 GFM2 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 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 GFM2 REFER to: Generic Function Module 2 (GFM2) (419-10 Multifunction Electronic Modules, 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 [14](#) for schematic and connector information.

Normal Operation and Fault Conditions

REFER to: Communications Network - System Operation and Component Description (418-00 Module Communications Network, Description and Operation).

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Condition
GFM2 U0140:01	Lost Communication With Body Control Module: General Electrical Failure	A continuous memory DTC that sets in the GFM2 if data messages received from the BCM are missing.

Possible Sources

- Communication network concern
- Battery voltage concern
- GFM2
- BCM

C1 CHECK THE COMMUNICATION NETWORK

- Ignition ON.
- Connect the diagnostic tool.
- Using a diagnostic scan tool, perform a network test.

Does the GFM2 pass the network test?

Yes	GO to C2
No	REFER to: Communications Network (418-00 Module Communications Network, Diagnosis and Testing).

C2 CHECK FOR BCM (BODY CONTROL MODULE) DIAGNOSTIC TROUBLE CODES (DTCS)

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

Are any BCM related DTCs present?

Yes	REFER to: Body Control Module (BCM) (419-10 Multifunction Electronic Modules, Diagnosis and Testing).
No	GO to C3

C3 RECHECK THE GFM2 (GENERIC FUNCTION MODULE 2) DTCS

- Clear the DTCs.
- Ignition OFF.
- Wait 10 seconds.
- Ignition ON.
- Using a diagnostic scan tool, perform the GFM2 self-test.

Is DTC U0140:01 still present?

Yes	GO to C4
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.

C4 CHECK FOR CORRECT GFM2 (GENERIC FUNCTION MODULE 2) OPERATION

- Ignition OFF.
- Disconnect and inspect the GFM2 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 GFM2 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 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 GFM2 REFER to: Generic Function Module 2 (GFM2) (419-10 Multifunction Electronic Modules, 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 D : U1000:00

NOTE: Except for GFM2 power, ground and HS-CAN, all wiring is provided by an upfitter. REFER to upfitter documentation for wiring and system operation.

Refer to Wiring Diagrams Cell [140](#) for schematic and connector information.

Normal Operation and Fault Conditions

The GFM2 uses solid state drivers (Field Effect Transistors (FET)) to control the output of several vehicle systems. When an overload occurs on any of these drivers, the GFM2 disables the output and tracks the number of repetitive faults on each of these circuits. The module compares this number of overloads to three progressive thresholds established for each circuit. At each threshold, DTC U1000:00 sets along with the DTC associated with the affected circuit. REFER to: Generic Function Module 2 (GFM2) (419-10 Multifunction Electronic Modules, Description and Operation).

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Condition
GFM2 U1000:00	Solid State Driver Protection Active -Driver Disabled: No Sub Type Information	A continuous memory DTC that sets when the GFM2 has disabled a circuit due to a repetitive circuit overload and a progressive threshold is met.

Possible Sources

- GFM2 output circuit short
- GFM2

D1 REVIEW THE GFM2 (GENERIC FUNCTION MODULE 2) DIAGNOSTIC TROUBLE CODES (DTCS)

- Ignition ON.
- Connect the diagnostic tool.
- Using a scan tool, perform the GFM2 self-test.

Are any GFM2 DTCs present besides U1000:00?

Yes	CORRECT all other DTCs first. REFER to the GFM2 DTC Chart.
No	GO to D2

D2 REPEAT THE GFM2 (GENERIC FUNCTION MODULE 2) SELF-TEST

- Using a diagnostic scan tool, clear the DTCs.
- Wait 10 seconds.
- Repeat the GFM2 self-test.

Is DTC U1000:00 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 GFM2 REFER to: Generic Function Module 2 (GFM2) (419-10 Multifunction Electronic Modules, Removal and Installation).
No	The system is operating correctly at this time. The circuit short has been repaired.

PINPOINT TEST E : U3000:49

NOTE: If it's necessary to replace the GFM2, the program (source file) needs to be obtained from the upfitter and uploaded to the new module via the upfitter graphical user interface (GUI). The program cannot be copied from the original GFM2 and is not stored in any other module or on PTS. There is no backup file. Contact the upfitter to obtain a copy of the GFM2 source file.

Normal Operation and Fault Conditions

REFER to: Generic Function Module 2 (GFM2) (419-10 Multifunction Electronic Modules, Description and Operation).

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Condition
GFM2 U3000:49	Control Module: Internal Electronic Failure	A DTC that sets when the GFM2 detects an internal failure.

Possible Sources

- GFM2

E1 CONFIRM THE GFM2 (GENERIC FUNCTION MODULE 2) DTC (DIAGNOSTIC TROUBLE CODE) RESETS

- Check vehicle service history for recent service actions related to the GFM2.
- Ignition ON.
- Connect the diagnostic tool.
- Using a diagnostic scan tool, clear the DTCs.
- Wait 10 seconds.
- Using a scan tool, perform the GFM2 self-test.

Is DTC U3000:49 still present?

Yes	GO to E2
No	The system is operating correctly at this time.

E2 REPEAT THE GFM2 (GENERIC FUNCTION MODULE 2) SELF-TEST

- Using a diagnostic scan tool, clear the DTCs.

Is DTC U3000:49 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 GFM2 REFER to: Generic Function Module 2 (GFM2) (419-10 Multifunction Electronic Modules, Removal and Installation).
No	The system is operating correctly at this time.

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