

B1330:08	DC/AC Inverter Module: Bus Signal / Message Failure	Sets in the BCM when there is a LIN communication fault from the DC/ AC inverter.
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Possible Sources

- Wiring, terminals or connectors
- DC/ AC inverter
- BCM

Visual Inspection and Diagnostic Pre-checks

- Verify the concern by monitoring the AC outlet LED indicator for 13 minutes with the engine running. If the LED indicator starts to flash after 13 minutes, continue to the pinpoint test. If the system continues to operate normally after 13 minutes, make sure the customer is aware of the DC/ AC inverter time-out function.

DIAGNOSIS AND TESTING > DIRECT CURRENT ALTERNATING CURRENT (DC AC) INVERTER > PINPOINT TESTS > PINPOINT TEST C : THE AC (ALTERNATING CURRENT) POWER POINT TURNS OFF AFTER 13 MINUTES > PINPOINT TEST C : THE AC (ALTERNATING CURRENT) POWER POINT TURNS OFF AFTER 13 MINUTES



NOTE: Use the correct probe adapter(s) from the Flex Probe Kit when taking measurements. Failure to use the correct probe adapter(s) may damage the connector.

C1 RETRIEVE BCM (BODY CONTROL MODULE) DIAGNOSTIC TROUBLE CODES (DTCS)

Ignition ON.

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

Is DTC U0100:00 present?

Yes	REFER to: Body Control Module (BCM) .
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No	GO to C2
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C2 CHECK THE LIN (LOCAL INTERCONNECT NETWORK) COMMUNICATION CIRCUIT FOR A SHORT TO VOLTAGE

Ignition OFF.

Disconnect BCM C2280E .

Disconnect Inline connector C212 .

Disconnect DC/ AC Inverter module.

Ignition ON.

Measure:

Positive Lead	Measurement / Action	Negative Lead
C2293A-4		Ground

Is any voltage present?

Yes	REPAIR the circuit.
No	GO to C3

C3 CHECK THE LIN (LOCAL INTERCONNECT NETWORK) COMMUNICATION CIRCUIT FOR A SHORT TO GROUND

Ignition OFF.

Measure:

Positive Lead	Measurement / Action	Negative Lead
C2293A-4	Ω	Ground

Is the resistance greater than 10, 000 ohms?

Yes	GO to C4
No	REPAIR the circuit.

C4 CHECK THE LIN (LOCAL INTERCONNECT NETWORK) COMMUNICATION CIRCUIT FOR AN OPEN

Measure:

Positive Lead	Measurement / Action	Negative Lead
C2293A-4	Ω	C2280E-37

Is the resistance less than 3 ohms?

Yes	INSTALL a new DC/ AC inverter module. REFER to: Direct Current/Direct Current (DC/DC) Converter Control Module . TEST the system for normal operation. If the AC outlet still turns off after 13 minutes when the engine is running,
No	REPAIR the circuit.