

- Fuse
- Wiring, terminals and connectors
- SCME

Visual Inspection and Diagnostic Pre-checks

Verify BJB fuse 28 (30A) is OK.

DIAGNOSIS AND TESTING > COMMUNICATIONS NETWORK > PINPOINT TESTS > PINPOINT TEST AA : THE SCME (FRONT SEAT CLIMATE CONTROL MODULE) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL > PINPOINT TEST AA : THE SCME (FRONT SEAT CLIMATE CONTROL MODULE) DOES NOT RESPOND TO THE DIAGNOSTIC SCAN TOOL

AA1 CHECK THE SCME (FRONT SEAT CLIMATE CONTROL MODULE) VOLTAGE SUPPLY CIRCUITS FOR AN OPEN

Ignition OFF.

Disconnect: SCME C3265A .

Ignition ON.

Measure:

Positive Lead	Measurement / Action	Negative Lead
C3265A-E		Ground
C3265A-F		Ground

Is the voltage greater than 11 volts?

Yes	GO to AA2
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No	VERIFY BJB fuse 28 (30A) is OK. If OK, REPAIR the circuit. If not OK, REFER to the OEM WIRING DIAGRAMS to identify the possible causes of the circuit short.
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AA2 CHECK THE SCME (FRONT SEAT CLIMATE CONTROL MODULE) GROUND CIRCUIT FOR AN OPEN

Ignition OFF.

Measure:

Positive Lead	Measurement / Action	Negative Lead
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C3265A-M	Ω	Ground
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Is the resistance less than 3 ohms?

Yes	GO to AA3
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No	REPAIR the circuit.
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AA3 CHECK THE MS-CAN (MEDIUM SPEED-CONTROLLER AREA NETWORK) CIRCUITS BETWEEN THE SCME (FRONT SEAT CLIMATE CONTROL MODULE) AND THE GWM (GATEWAY MODULE A) FOR AN OPEN

Disconnect SCME C3265C .

Disconnect GWM C2431 .

Measure:

Positive Lead	Measurement / Action	Negative Lead
C3265C-1	Ω	C2431-23
C3265C-2	Ω	C2431-22

Are the resistances less than 3 ohms?

Yes	GO to AA4
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No	REPAIR the circuit in question.
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AA4 CHECK FOR CORRECT SCME (FRONT SEAT CLIMATE CONTROL MODULE) OPERATION

Ignition OFF.

Disconnect and inspect the SCME connectors and related in-line 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 SCME connectors and related in-line connectors. Make sure they seat and latch correctly.

Operate the system and determine if the concern is still present.

Is the concern still present?