

REFER to: Supplemental Restraint System (SRS) Repowering .

Did the SRS prove out successfully?

Yes	Repair is complete. RETURN the vehicle to the customer.
No	REFER to: Airbag Supplemental Restraint System (SRS) .

DIAGNOSIS AND TESTING > FRONT SEATS > PINPOINT TEST(S) > PINPOINT TEST AB : DTC B19A7

Refer to Climate Controlled Seats for schematic and connector information.

Normal Operation and Fault Conditions

The SCME supplies voltage and ground to the driver seat cushion blower motor. The SCME also sends a speed control voltage signal to the blower motor to control blower speed.

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
B19A7	Driver Seat Cushion Blower Speed Short to Ground	If the driver seat cushion blower speed circuit is shorted to voltage, the SCME shuts down the driver seat system and sets this DTC.

Possible Causes

- Wiring, terminals or connectors
- Cushion blower motor
- SCME

DIAGNOSIS AND TESTING > FRONT SEATS > PINPOINT TEST(S) > PINPOINT TEST AB : DTC B19A7 > PINPOINT TEST AB : DTC B19A7

 **WARNING:** *Incorrect repair techniques or actions can cause an accidental Supplemental Restraint System (SRS) deployment. Never compromise or depart from these instructions. Failure to precisely follow all instructions could result in serious personal injury from an accidental deployment.*

AB1 CHECK CUSHION BLOWER MOTOR BLOWER SPEED CONTROL CIRCUIT FOR A SHORT TO GROUND

REFER to: Supplemental Restraint System (SRS) Depowering .

Disconnect: Driver Side Airbag In-line C3051 .

Disconnect: Passenger Side Airbag In-line C3053 .

Disconnect: Driver Cushion Blower Motor C3035 .

Disconnect: SCME C3265C .

Measure:

Positive Lead	Measurement / Action	Negative Lead
C3265C-11	Ω	Ground

Is the resistance greater than 10, 000 ohms?

Yes	GO to AB2
No	REPAIR the circuit. GO to AB5

AB2 CHECK CUSHION BLOWER MOTOR SPEED CONTROL CIRCUIT AND BLOWER GROUND CIRCUIT FOR A SHORT TOGETHER

Measure:

Positive Lead	Measurement / Action	Negative Lead
C3265C-11	Ω	C3265C-15

Is the resistance greater than 10, 000 ohms?

Yes	GO to AB3
No	REPAIR the circuits. GO to AB5

AB3 DETERMINE CUSHION BLOWER MOTOR OR SCME (FRONT SEAT CLIMATE CONTROL MODULE) FAILURE

Remove the cushion blower motor from the passenger seat. REFER to: Front Seat Cushion Blower Motor .

Remove the cushion blower motor from the passenger seat and install it on the driver seat.

Connect: Driver Cushion Blower Motor C3035 .

Connect: SCME C3265C .

Start the engine and check operation of the driver seat climate controlled seat system.

Does the seat operate with the cushion blower motor from the other seat installed?

Yes	INSTALL a new seat cushion blower motor. REFER to: Front Seat Cushion Blower Motor . GO
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	to AB5
No	GO to AB4

AB4 CHECK THE SCME (FRONT SEAT CLIMATE CONTROL MODULE) OPERATION

Ignition OFF.

Disconnect and inspect all of the SCME connectors.

Repair:

corrosion (install new connector or terminals - clean module pins)

damaged or bent pins - install new terminals/pins as necessary

pushed-out pins - install new pins as necessary

Reconnect the SCME connectors. Make sure they seat and latch correctly.

 **NOTE:** Do not reconnect Driver Side Airbag In-line C3051 or Passenger Side Airbag In-line C3053 at this time.

Reconnect all previously disconnected connectors.

Ignition ON.

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 SCME. REFER to: Front Seat Climate Control Module [SCME] . GO to AB5
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. GO to AB5

AB5 VERIFY THE SRS (SUPPLEMENTAL RESTRAINT SYSTEM) PROVES OUT SUCCESSFULLY

REFER to: Supplemental Restraint System (SRS) Depowering .

Connect: Driver Side Airbag In-line C3051 .

Connect: Passenger Side Airbag In-line C3053 .

Connect all previously disconnected connectors.

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