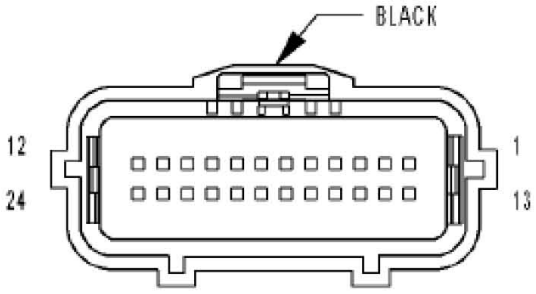
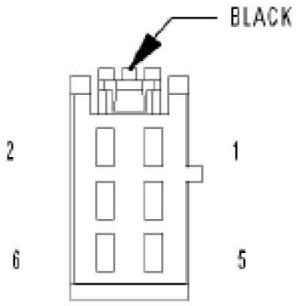
U0019 CAN B BUS – HSM



MODULE-
FRONT
CONTROL C1



MODULE-
HEATED SEATS

1). When Monitored:
Continuously

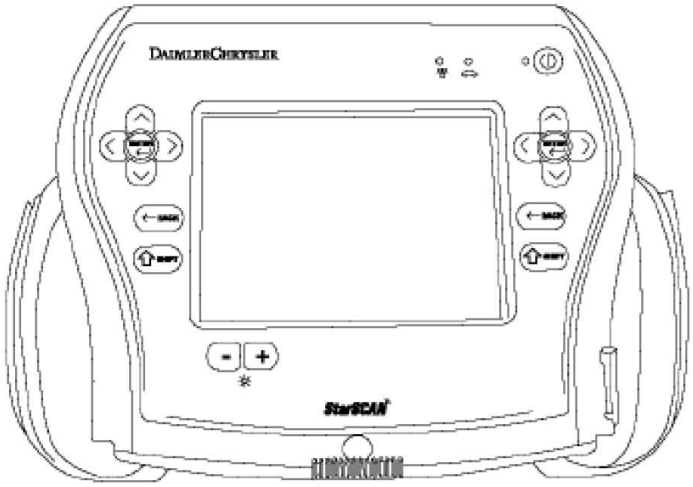
2). Set Condition:
Whenever the Can B Bus (+) or B Bus (–) circuit is open, shorted to voltage or shorted to ground, this code will set.

Possible Causes
1. CAN B BUS DTC's IN FRONT CONTROL MODULE
2. (D54) CAN B BUS (–) CIRCUIT OPEN
3. (D55) CAN B BUS (+) CIRCUIT OPEN
4. HEATED SEAT MODULE

Diagnostic Test

1). TEST FOR INTERMITTENT CONDITION
Turn the ignition on.
With the scan tool, record and erase DTC's Cycle the ignition from on to off 3 times.
Turn the ignition on.
With the scan tool, read DTC's.

Does the scan tool display U0019 CAN B BUS CIRCUIT?
Yes >> Go To 2
No >> The conditions that caused this code to set are not present at this time. Using the wiring diagram/schematic as a guide, inspect the wiring and connectors.

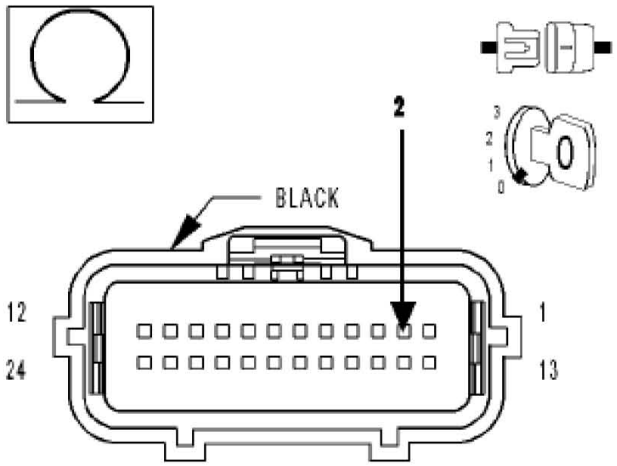


2). CHECK FRONT CONTROL MODULE DTC's
With the scan tool, read Front Control Module DTC's

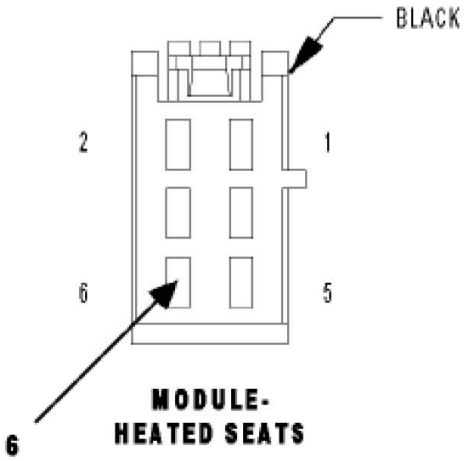
Does the scan tool display any CAN B BUS DTC's – ACTIVE?
Yes >> Refer to the symptom list for problems related to Communication in the ELECTRICAL.– ELECTRONIC CONTROL MODULES – ELECTRICAL DIAGNOSES section.
No >> Go to 3

3). CAN B BUS (+) CIRCUIT OPEN
Turn the ignition off.
Disconnect the Heated Seat Module connector.
Disconnect the Front Control Module C1 connector.
Measure the resistance of the (D55) Can B Bus (+) circuit between the Front Control Module C1 connector and the Heated Seat Module connector.

Is the resistance below 2.0 ohms?
Yes >> Go To 4
No >> Repair the Can B Bus (+) circuit for an open.
Perform BODY VERIFICATION TEST - VER 1.



MODULE-
FRONT
CONTROL C1



MODULE-
HEATED SEATS

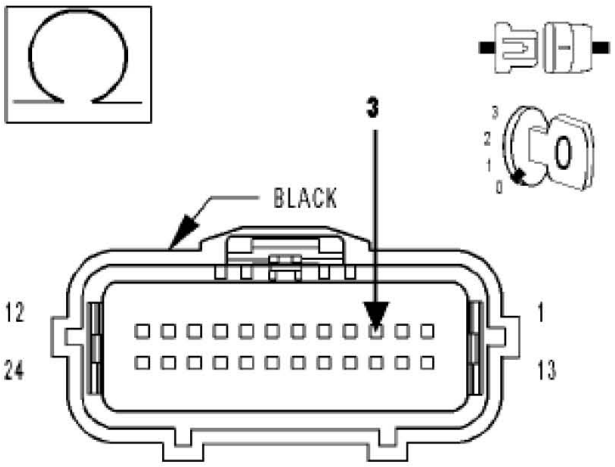
4). CAN B BUS (–) CIRCUIT OPEN

Measure the resistance of the (D54) Can B Bus (–) circuit between the Front Control Module C1 connector and the Heated Seat Module connector.

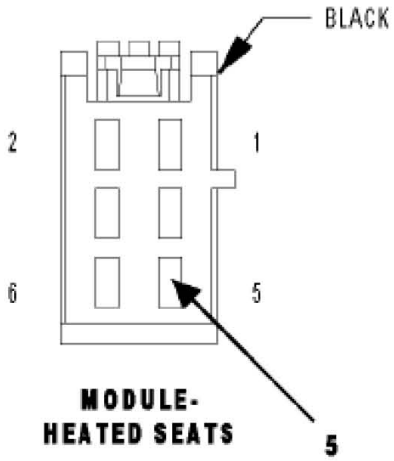
Is the resistance below 2.0 ohms?

Yes >> Replace the Heated Seat Module.
Perform BODY VERIFICATION TEST - VER 1.

No >> Repair the Can B Bus (–) circuit for an open.
Perform BODY VERIFICATION TEST - VER 1.



MODULE-
FRONT
CONTROL C1



MODULE-
HEATED SEATS