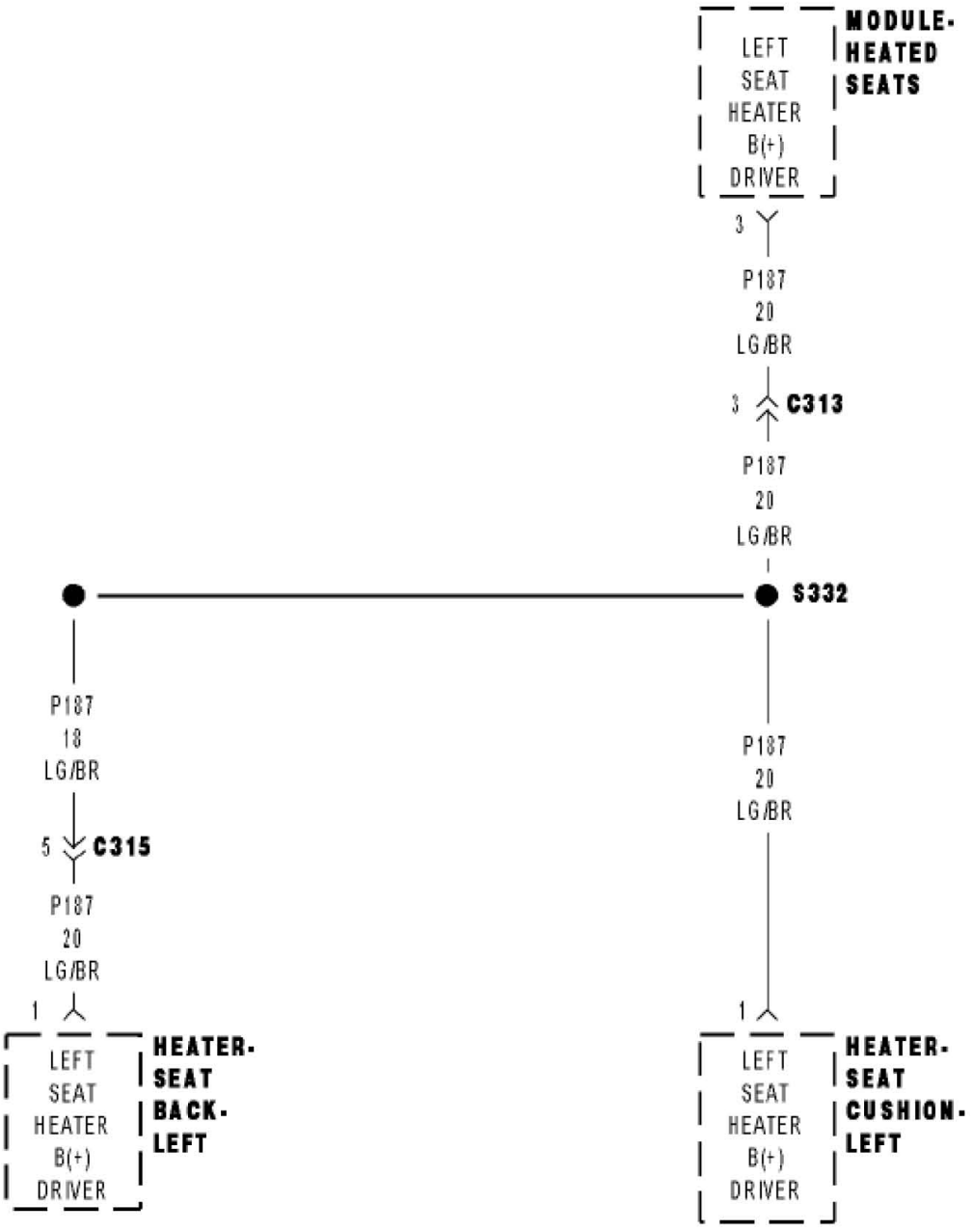
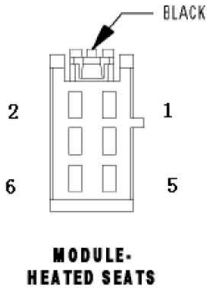
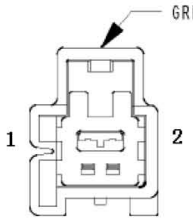
B1092 FRONT LEFT SEAT HEATER CONTROL CIRCUIT LOW

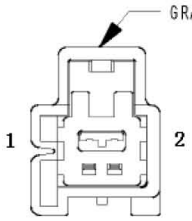




MODULE-
HEATED SEATS



HEATER-
SEAT CUSHION-
LEFT



HEATER-
SEAT BACK-
LEFT

1). When Monitored:
Ignition on, during the heated seat operation.

2). Set Condition:
This code is set immediately after the Heated Seat Module detects the control circuit shorted to ground.

Possible Causes
1. (P187) DRIVER SEAT HEATER B(+) DRIVER SHORTED TO GROUND
2. SEAT HEATER ELEMENT PIGTAIL HARNESS SHORTED
3. SEAT CUSHION HEATER ELEMENT SHORTED
4. SEAT BACK HEATER ELEMENT SHORTED
5. HEATED SEAT MODULE

LAUNCH

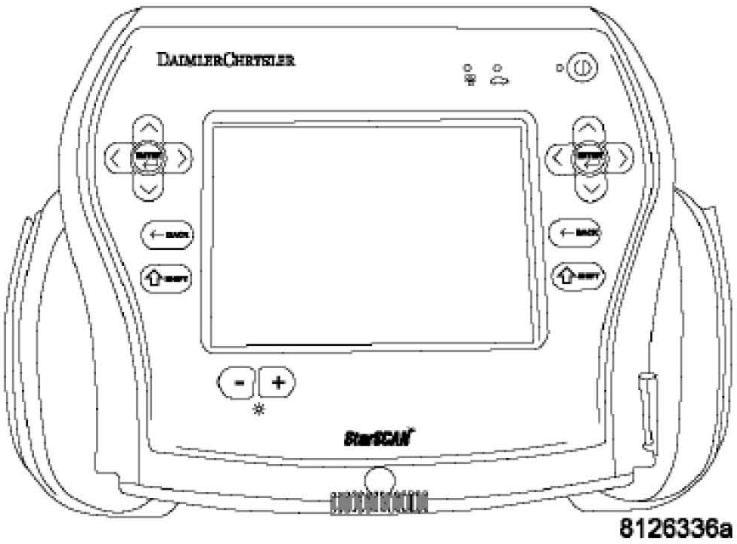
Diagnostic Test

1). VERIFY THAT DTC B1092-FRONT LEFT SEAT HEATER CONTROL CIRCUIT LOW IS ACTIVE.
With the scan tool, record and erase DTC's
Operate the Heated Seat Switch in both positions several times.
With the scan tool, read DTC's.

Does the DTC B1092 FRONT LEFT SEAT HEATER CONTROL CIRCUIT LOW reset?

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.
Perform BODY VERIFICATION TEST – VER 1.



2). DISCONNECT LEFT CUSHION HEATER 2-WAY CONNECTOR AND READ DTC'S.

Disconnect the Left Seat Cushion Heater connector.

NOTE: Check connectors - Clean and repair as necessary.

With the scan tool, erase HSM DTC's

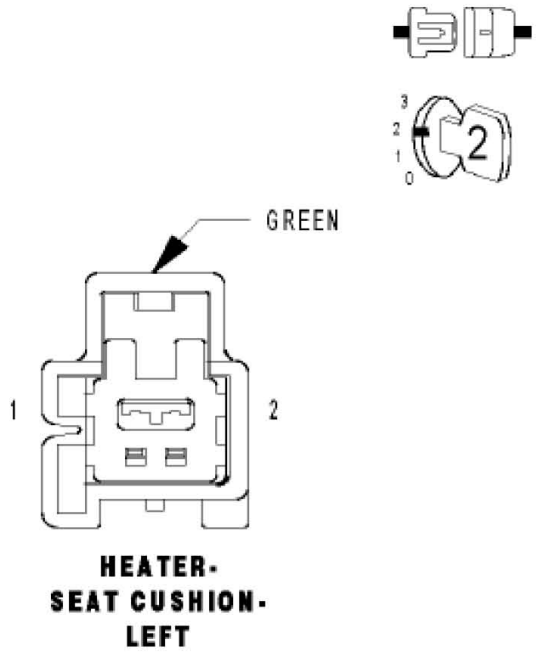
Operate the Heated Seat Switch in both positions several times.

With the scan tool, read DTC's.

Does the scan tool display the same DTC?

Yes >> Go To 7

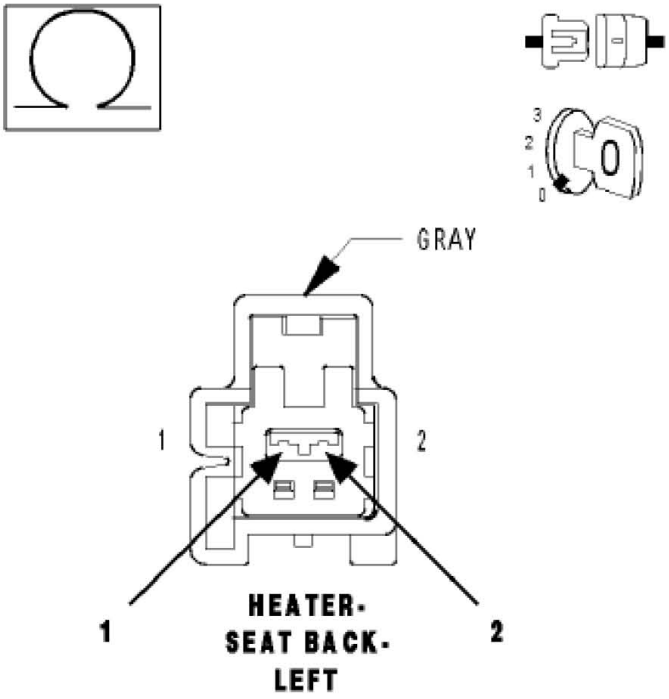
No >> Go To 3



LAUNCH

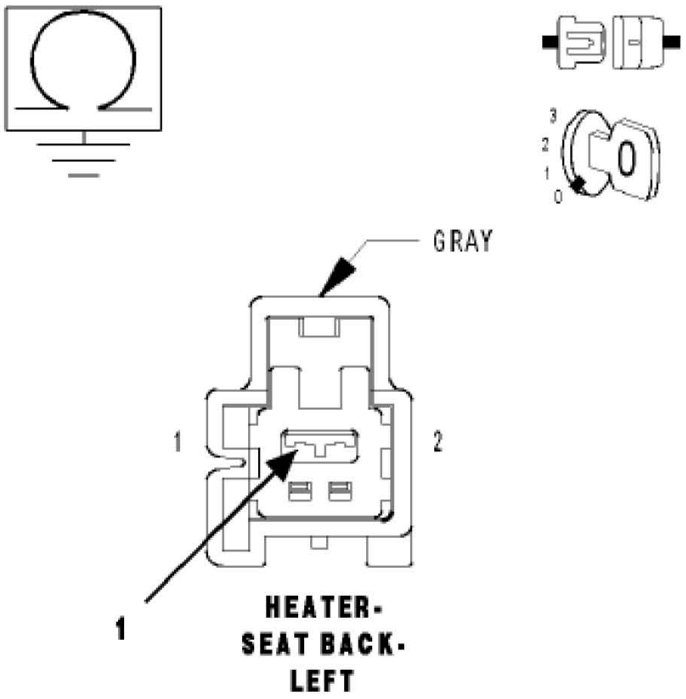
3). CHECK THE LEFT SEAT BACK HEATER RESISTANCE.
Disconnect the Left Seat Back Heater connector.
NOTE: Check connectors - Clean and repair as necessary.
Check the resistance of the seat back heater element by measuring between the (P187) Left Seat Heater B(+) Driver and the Ground circuit at the Left seat back heater connector.

Is the resistance below 4.0 ohms?
No >> Go To 4
Yes >> Replace the seat back heater element as necessary.
Perform BODY VERIFICATION TEST – VER 1.



4). CHECK THE LEFT SEAT BACK HEATER FOR A SHORT TO GROUND
Measure between the (P187) Left Seat Heater B(+) Driver circuit at the Left seat back heater connector and the seat frame for a short to ground.

Is the resistance below 1000 ohms?
Yes >> Repair the pigtail harness for a short to ground condition or replace the seat back heater element as necessary.
Perform BODY VERIFICATION TEST – VER 1.
No >> Go To 5



5). CHECK THE LEFT CUSHION HEATER RESISTANCE

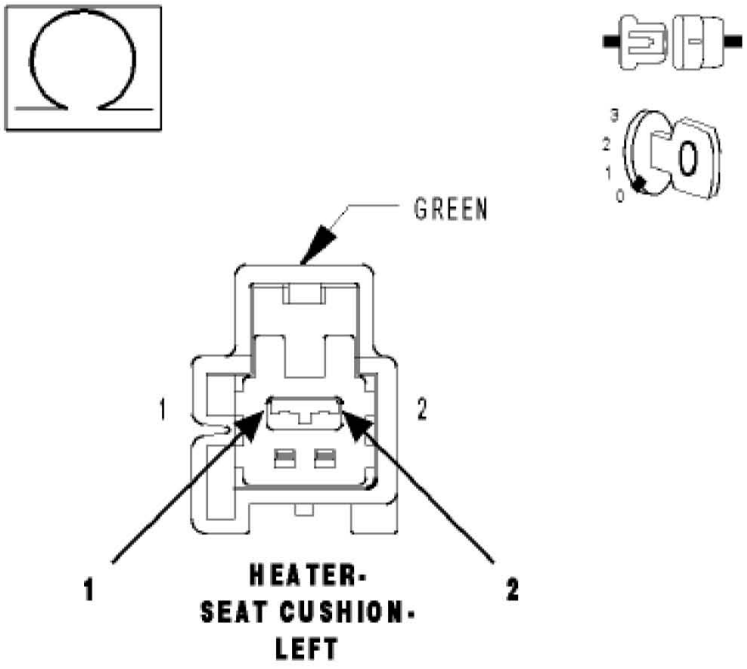
Check the resistance of the cushion heater element by measuring between the (P187) Left Seat Heater B(+) Driver and the Ground circuit at the Left seat cushion heater connector.

Was the resistance below 3.5 ohms?

No >> Go To 6

Yes >> Replace the heater element as necessary.

Perform BODY VERIFICATION TEST – VER 1.

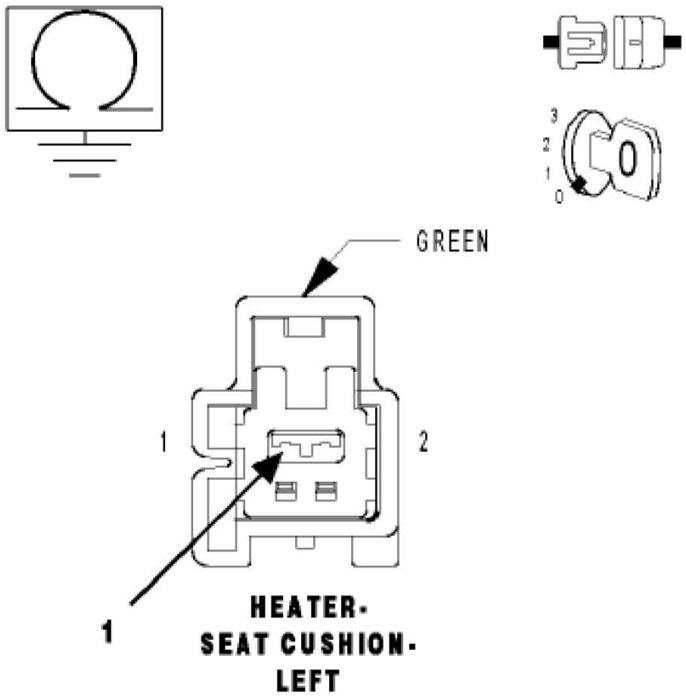


6). CHECK THE LEFT CUSHION HEATER FOR A SHORT TO GROUND
Measure between the (P187) Left Seat Heater B(+) Driver circuit at the Left seat cushion heater connector and the seat frame for a short to ground.

Is the resistance below 1000 ohms?

Yes >> Repair the pigtail harness or replace the heater element as necessary.
Perform BODY VERIFICATION TEST – VER 1.

No >> Using the wiring diagram/schematic as a guide, inspect the wiring and connectors for an intermittent short to ground.
Perform BODY VERIFICATION TEST – VER 1.

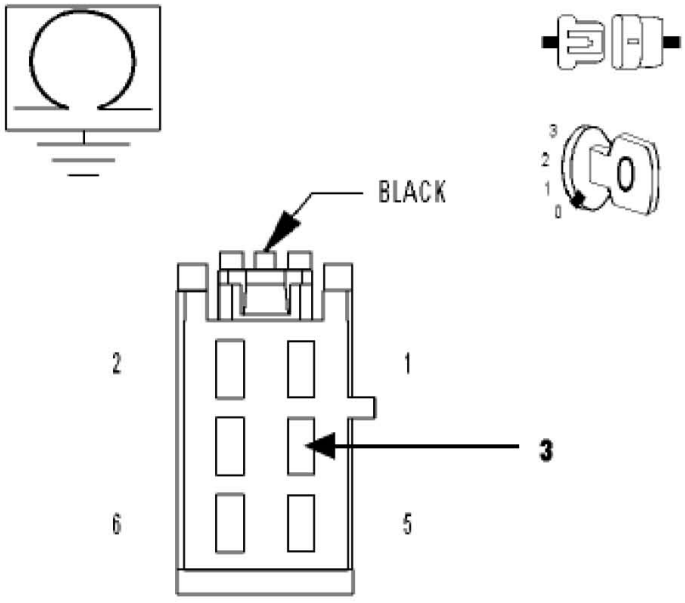


7). Check the (P187) Left Seat Heater B(+) Driver circuit for a short to ground
Disconnect the Heat Seat Module connector.
NOTE: Check connectors - Clean and repair as necessary.
Measure the (P187) Left Seat Heater B(+) Driver circuit to ground at the HSM connector.

Is the resistance below 5.0 ohms?

Yes >> Repair the (P187) Left Seat Heater B(+) Driver circuit for a short to ground.
Perform BODY VERIFICATION TEST – VER 1.

No >> Replace the Heated Seat Module.
Perform BODY VERIFICATION TEST – VER 1.



**MODULE-
HEATED SEATS**

LAUNCH