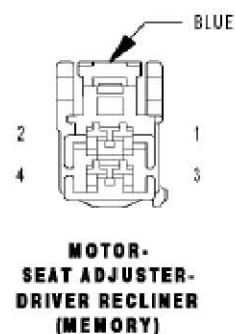
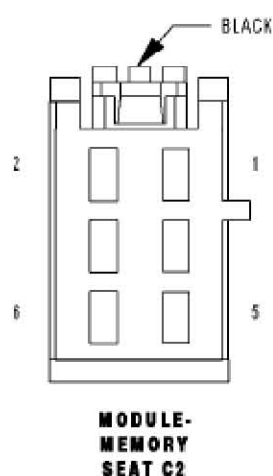
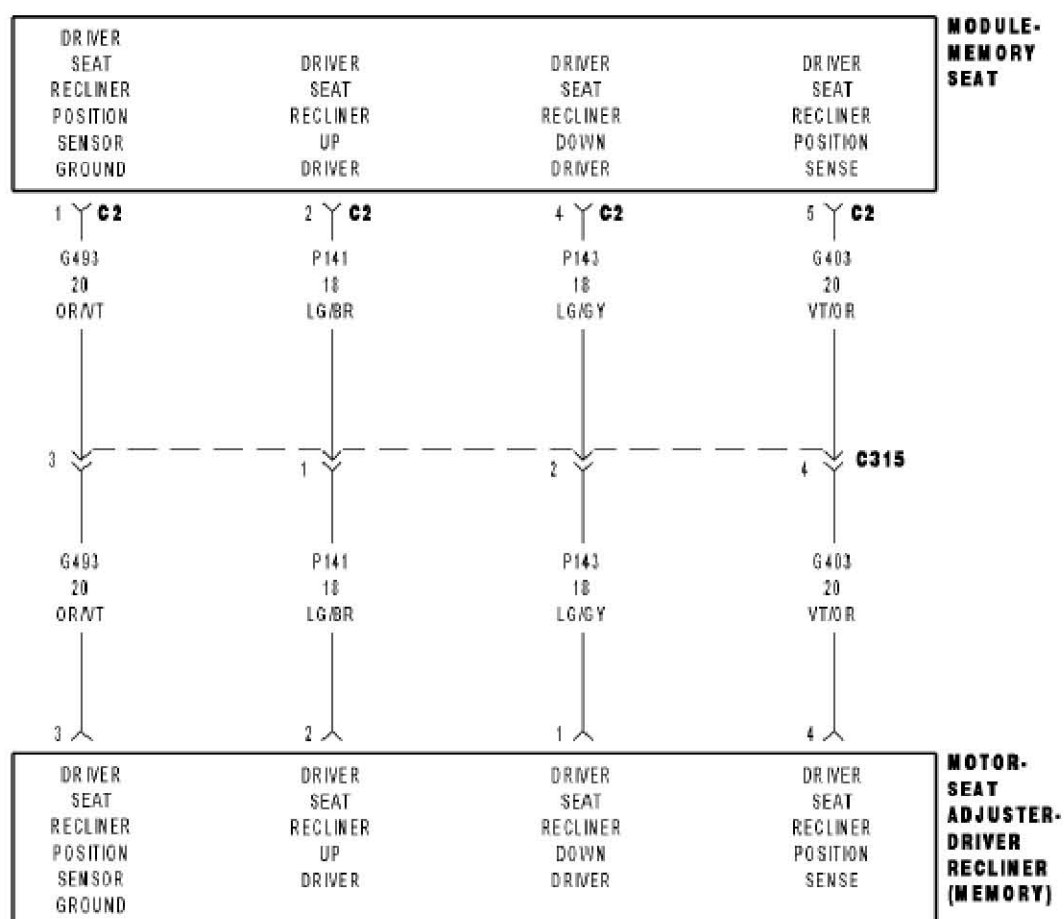


B1D87 SEAT RECLINER MOTOR CONTROL CIRCUIT PERFORMANCE



- 1). When Monitored:
Whenever the seat motor is activated.
- 2). Set Condition:
If the Memory Seat Module does not detect the rotation of the seat motor this DTC will set. This DTC will only set when the seat switch is moved in the same direction three consecutive times.

Diagnostic Test

1). CHECK FOR RELATED DIAGNOSTIC TROUBLE CODES

Turn the ignition on.

With the scan tool, read DTC's.

Does the scan tool display any seat position sensor DTC's?

Yes >> Diagnose and repair the other DTC(s) first. Refer to the Table of Contents in this Section for a complete list of symptoms.

No >> Go To 2

2). TEST FOR INTERMITTENT CONDITION

Turn the ignition on.

With the scan tool, record and erase DTC's

Move the Seat Switch in the Recliner position 3 times.

With the scan tool, read DTC's.

Does the scan tool display B1D7B-SEAT BACKREST MOTOR CONTROL CIRCUIT PERFORMANCE?

Yes >> Go To 3

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 POWER SEAT SYSTEM VERIFICATION TEST - VER 1.

3). CHECK THE (G403) DRIVER SEAT RECLINER POSITION SENSE VOLTAGE

Disconnect the Driver Recliner Seat Adjuster Motor.

NOTE: Check connectors – Clean and repair as necessary.

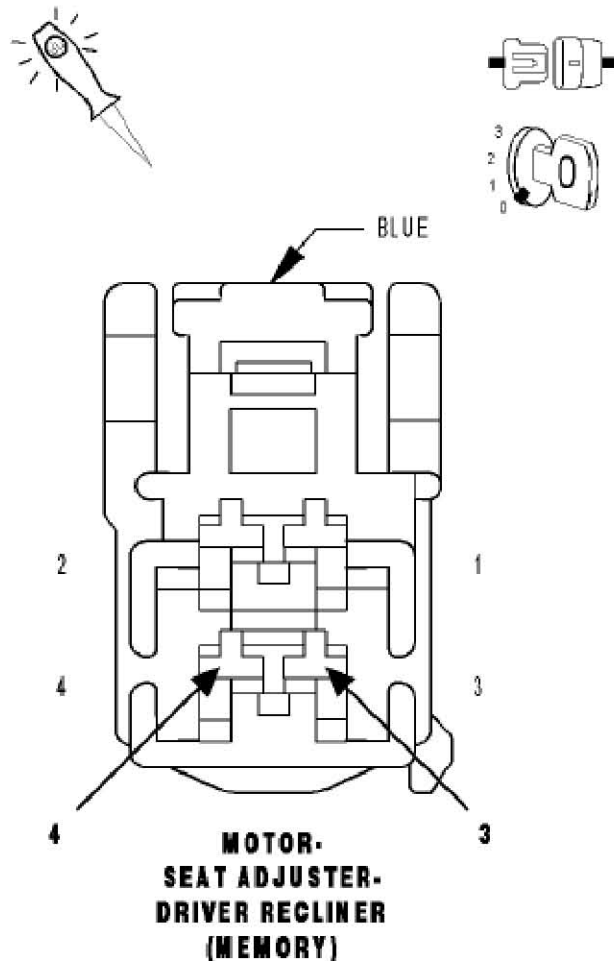
Move the Seat Switch in the Recliner position during the next step.

Using a 12-volt test light connect one lead to the (G403) Driver Seat Recliner Position Sense circuit and the other lead to Driver Seat Recliner Position Sensor Ground at the Driver Recliner Seat Adjuster Motor connector.

Does the test light illuminate for approximately 2 seconds then turn off with the seat switch engaged?

Yes >> Go To 4

No >> Go To 5



4). CHECK THE DRIVER SEAT RECLINER FORWARD/REARWARD DRIVER VOLTAGE

Move the Seat Switch in the Recliner position during the next step.

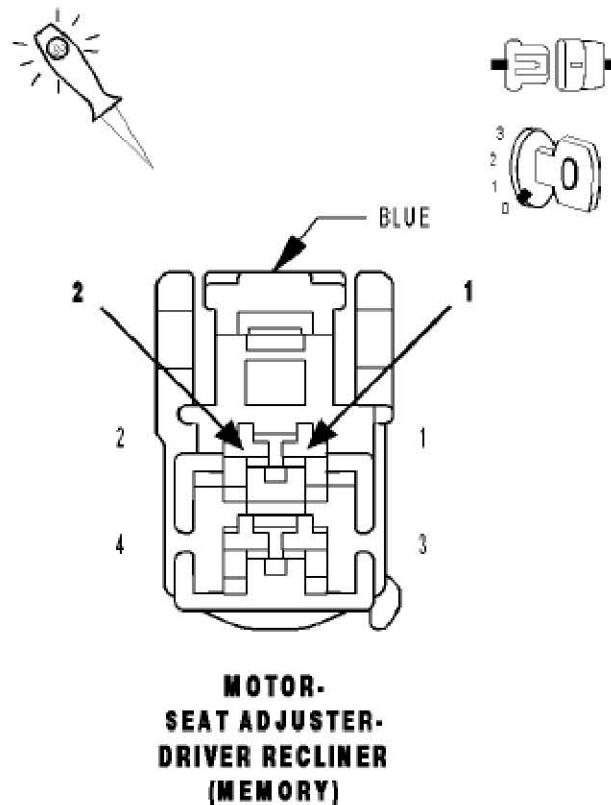
Using a 12-volt test light connect one lead to the (P141) Driver Seat Recliner Up Driver circuit and the other lead to (P143) Driver Seat Recliner Down Driver circuit at the Driver Recliner Seat Adjuster Motor connector.

Does the test light illuminate with the seat switch engaged?

Yes >> Replace the Recliner motor assembly.

Perform POWER SEAT SYSTEM VERIFICATION TEST –
VER 1

No >> Go To 7



5). CHECK THE (G403) DRIVER SEAT RECLINER POSITION SENSE WIRE FOR AN OPEN

Disconnect the Memory Seat Module C2 connector.

NOTE: Check connectors – Clean and repair as necessary.

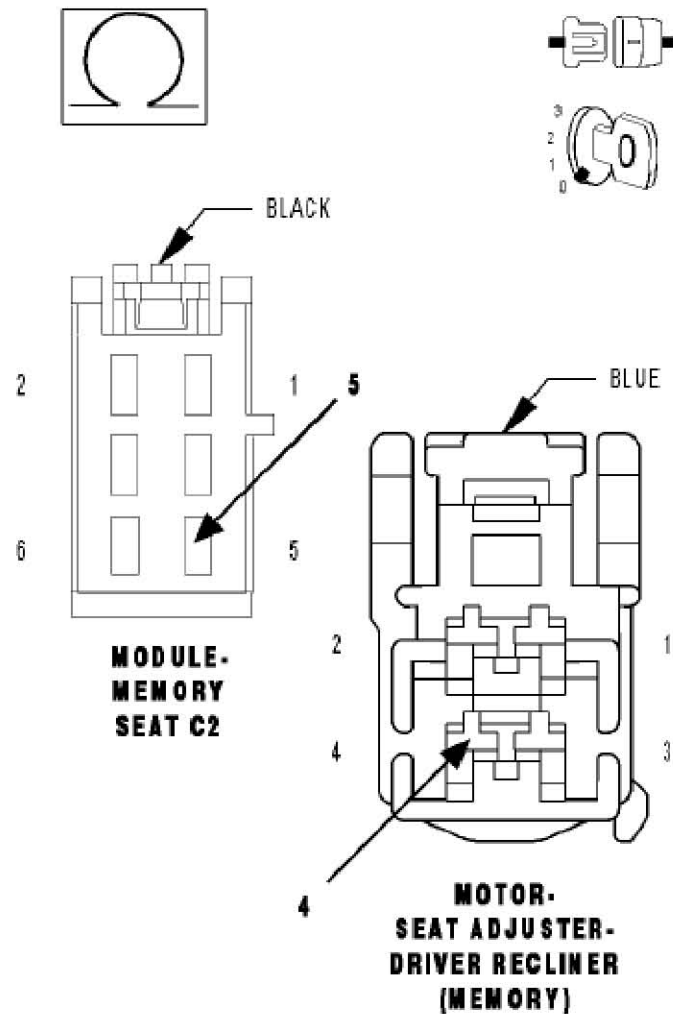
Measure the resistance of the (G403) Driver Seat Recliner Position Sense circuit at the Driver Recliner Seat Adjuster Motor connector to the C2 connector.

Is the resistance above 1.0 ohm?

Yes >> Repair the (G403) Driver Seat Recliner Position Sense circuit for an open.

Perform POWER SEAT SYSTEM VERIFICATION TEST – VER 1

No >> Go To 6



- 6). CHECK THE (G493) DRIVER SEAT RECLINER POSTION SENSOR GROUND FOR AN OPEN
 Measure the resistance of the (G493) Driver Seat Recliner Position Sensor Ground circuit at the Driver Recliner Seat Adjuster Motor connector to the C2 connector.

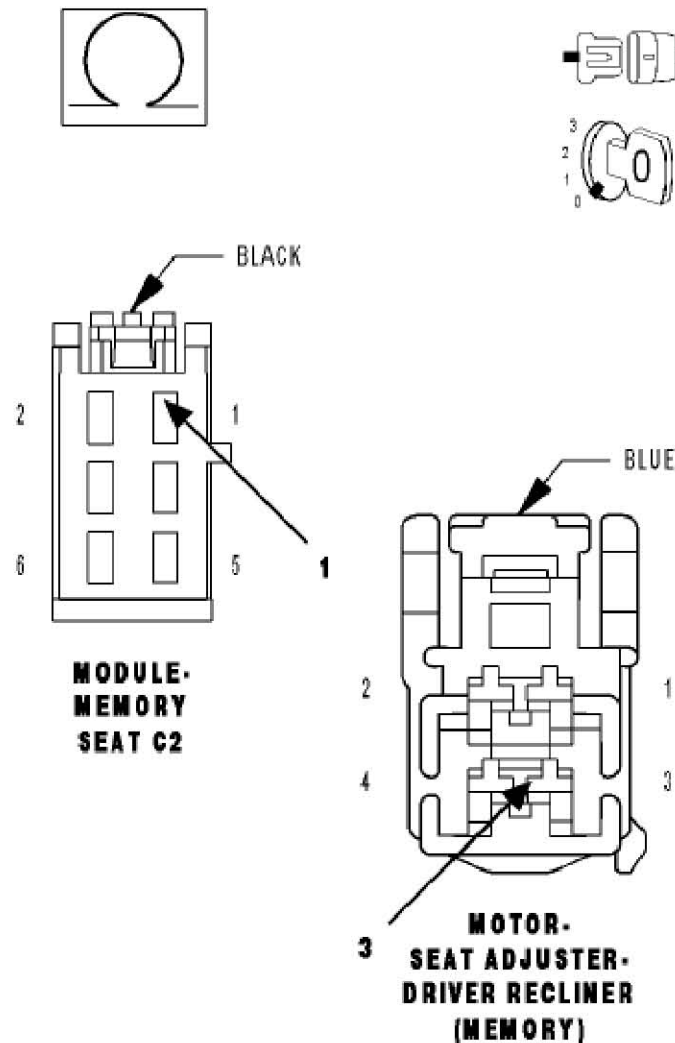
Is the resistance above 1.0 ohm?

Yes >> Repair the (G493) Driver Seat Recliner Position Senor Ground circuit for an open.

Perform POWER SEAT SYSTEM VERIFICATION TEST – VER 1

No >> Replace the Memory Seat Module.

Perform POWER SEAT SYSTEM VERIFICATION TEST – VER 1



7). CHECK THE (P141) DRIVER SEAT RECLINER UP DRIVER WIRE FOR AN OPEN

Disconnect the Memory Seat Module C2 connector.

NOTE: Check connectors – Clean and repair as necessary.

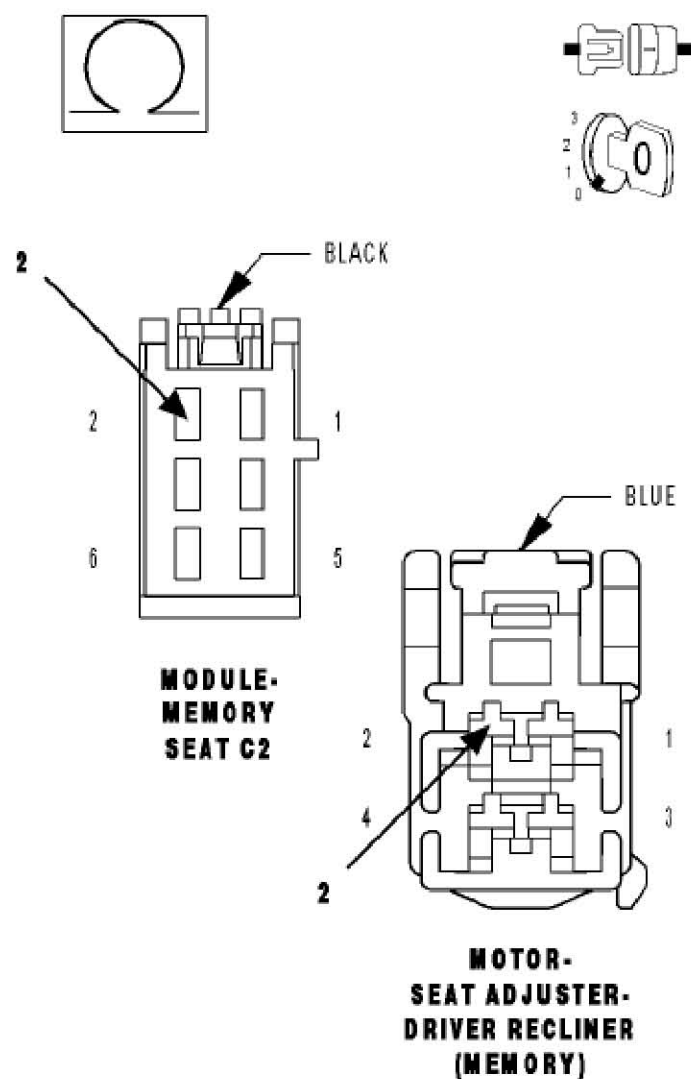
Measure the resistance of the (P141) Driver Seat Recliner Up Driver circuit at the Driver Recliner Seat Adjuster Motor connector to the C2 connector.

Is the resistance above 1.0 ohm?

Yes >> Repair the (P141) Driver Seat Recliner Up Driver circuit for an open.

Perform POWER SEAT SYSTEM VERIFICATION TEST – VER 1

No >> Go To 8



8). CHECK THE (P143) DRIVER SEAT RECLINER DOWN DRIVER AN OPEN

Measure the resistance of the (P143) Driver Seat Recliner Down Driver circuit at the Driver Recliner Seat Adjuster Motor connector to the C2 connector.

Is the resistance above 1.0 ohm?

Yes >> Repair the (P143) Driver Seat Recliner Down Driver circuit for an open.

Perform POWER SEAT SYSTEM VERIFICATION TEST – VER 1

No >> Replace the Memory Seat Module.

Perform POWER SEAT SYSTEM VERIFICATION TEST – VER 1

