

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

2009 ACCESSORIES AND EQUIPMENT**Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey****DIAGNOSTIC CODE INDEX****DIAGNOSTIC CODE INDEX**

DTC	Description
<u>B16A4</u>	PASSENGER WINDOW SWITCH BACKLIGHTING CIRCUIT LOW
<u>B16A5</u>	PASSENGER WINDOW SWITCH BACKLIGHTING CIRCUIT HIGH
<u>B1808</u>	PASSENGER DOOR LOCK/UNLOCK SWITCH CIRCUIT STUCK LOCK
<u>B185D</u>	PASSENGER WINDOW SWITCH CIRCUIT STUCK
<u>B185F</u>	PASSENGER WINDOW MOTOR CONTROL CIRCUIT LOW
<u>B1860</u>	PASSENGER WINDOW MOTOR CONTROL CIRCUIT HIGH
<u>B1861</u>	PASSENGER WINDOW MOTOR CONTROL CIRCUIT OPEN
<u>B1863</u>	PASSENGER WINDOW POSITION SENSOR POWER SUPPLY LOW - RHD ONLY
<u>B1864</u>	PASSENGER WINDOW POSITION SENSOR POWER SUPPLY HIGH - RHD ONLY
<u>B1D2B</u>	PASSENGER MIRROR VERTICAL MOTOR CONTROL CIRCUIT LOW
<u>B1D2C</u>	PASSENGER MIRROR VERTICAL MOTOR CONTROL CIRCUIT HIGH
<u>B1D2D</u>	PASSENGER MIRROR VERTICAL MOTOR CONTROL CIRCUIT OPEN
<u>B1D2F</u>	PASSENGER MIRROR HORIZONTAL MOTOR CONTROL CIRCUIT LOW
<u>B1D30</u>	PASSENGER MIRROR HORIZONTAL MOTOR CONTROL CIRCUIT HIGH
<u>B1D31</u>	PASSENGER MIRROR HORIZONTAL MOTOR CONTROL CIRCUIT OPEN
<u>B1D37</u>	PASSENGER MIRROR HEATER CONTROL CIRCUIT LOW
<u>B1D38</u>	PASSENGER MIRROR HEATER CONTROL CIRCUIT HIGH
<u>B1E6B</u>	PASSENGER MIRROR FOLD CONTROL CIRCUIT LOW
<u>B1E6C</u>	PASSENGER MIRROR FOLD CONTROL CIRCUIT HIGH
<u>B1E6D</u>	PASSENGER MIRROR FOLD CONTROL CIRCUIT OPEN
<u>B210A</u>	SYSTEM VOLTAGE LOW
<u>B210B</u>	SYSTEM VOLTAGE HIGH
<u>B210D</u>	BATTERY VOLTAGE LOW
<u>B210E</u>	BATTERY VOLTAGE HIGH
<u>B21A1</u>	ECU RESET/RECOVERY OCCURRED
<u>B225D</u>	DOOR MODULE FRONT LEFT INTERNAL
<u>B2577</u>	PASSENGER WINDOW NOT CALIBRATED/LOST CALIBRATION - RHD ONLY
<u>B2581</u>	PASSENGER WINDOW POSITION SENSOR(S) NO SIGNAL - RHD ONLY
<u>U0010</u>	CAN INTERIOR BUS
<u>U0011</u>	CAN INTERIOR BUS OFF PERFORMANCE
<u>U0141</u>	LOST COMMUNICATION WITH FCM (TIPM)

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<u>U0155</u>	LOST COMMUNICATION WITH CLUSTER/CCN
<u>U0164</u>	LOST COMMUNICATION WITH HVAC CONTROL MODULE
<u>U0167</u>	LOST COMMUNICATION WITH INTRUSION TRANSCEIVER CONTROL MODULE
<u>U0184</u>	LOST COMMUNICATION WITH RADIO
<u>U0186</u>	LOST COMMUNICATION WITH AUDIO AMPLIFIER
<u>U0197</u>	LOST COMMUNICATION WITH HANDS FREE PHONE MODULE
<u>U0203</u>	LOST COMMUNICATION WITH DOOR MODULE FRONT LEFT
<u>U0204</u>	LOST COMMUNICATION WITH DOOR MODULE FRONT RIGHT
<u>U0249</u>	LOST COMMUNICATION WITH VEHICLE ENTERTAINMENT CONTROL MODULE - LAST ROW

DIAGNOSIS AND TESTING

B16A4-PASSENGER WINDOW SWITCH BACKLIGHTING CIRCUIT LOW

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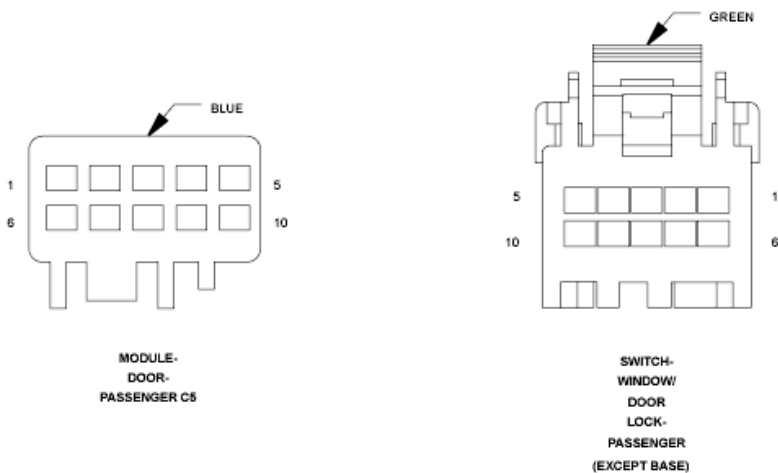
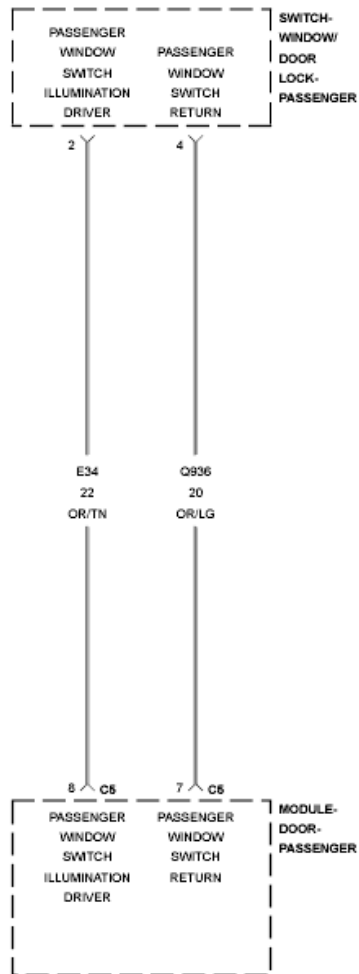


Fig. 1: Passenger Window Switch Illumination Driver Circuit Schematic
Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

• **When Monitored:**

Whenever the module is awake, the park lamps are on and the window lock out switch is on.

• **Set Condition:**

When the Passenger Window Switch Illumination Driver circuit falls below 3.0 volts for over 25 ms. and the above conditions are met, this code will set.

Possible Causes

(E34) PASSENGER WINDOW SWITCH ILLUMINATION DRIVER CIRCUIT SHORT TO GROUND

(E34) PASSENGER WINDOW SWITCH ILLUMINATION DRIVER CIRCUIT SHORT TO (Q936) PASSENGER WINDOW SWITCH RETURN
WINDOW/DOOR LOCK SWITCH SHORTED
PASSENGER DOOR MODULE (PDM)

Diagnostic Test

1. TEST FOR INTERMITTENT CONDITION

1. Turn the ignition on.
2. With the scan tool, record and erase DTCs
3. Ensure the passenger window lock out switch is on.
4. Turn the park lights on.
5. Wait 30 seconds.
6. With the scan tool, read DTCs.

Does the scan tool display B16A4-PASSENGER WINDOW SWITCH BACKLIGHTING CIRCUIT LOW?

Yes

- Go to step 2

No

- The conditions that caused this code to set are not present at this time. Using the **SYSTEM WIRING DIAGRAMS** as a guide, inspect the wiring and connectors.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

2. WINDOW/DOOR LOCK SWITCH SHORTED

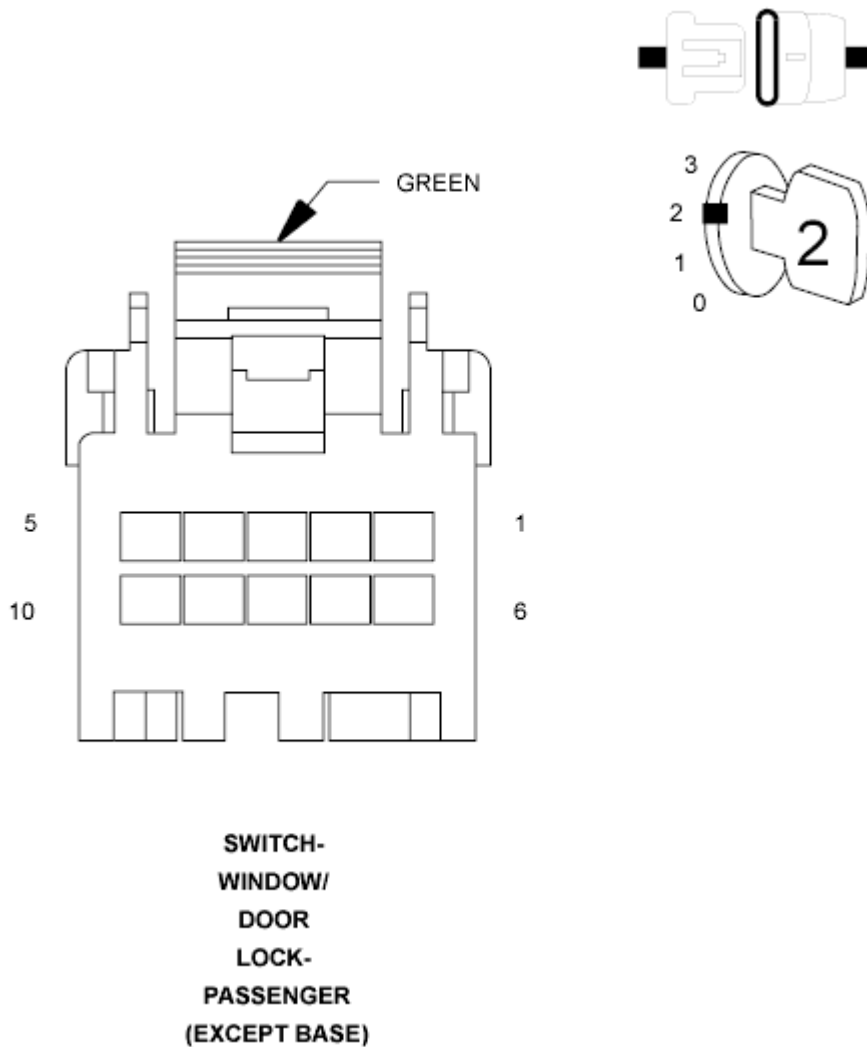


Fig. 2: Checking Window/Door Lock Switch Shorted
Courtesy of CHRYSLER LLC

1. With the scan tool, erase DTCs.
2. Turn the ignition off.
3. Disconnect the Passenger Window/Door Lock Switch connector.
4. Ensure the passenger window lock out switch is on and the park lamps are still on.
5. Turn the ignition on.
6. With the scan tool, read DTCs.

Does the scan tool display B16A4-PASSENGER WINDOW SWITCH BACKLIGHTING CIRCUIT LOW?

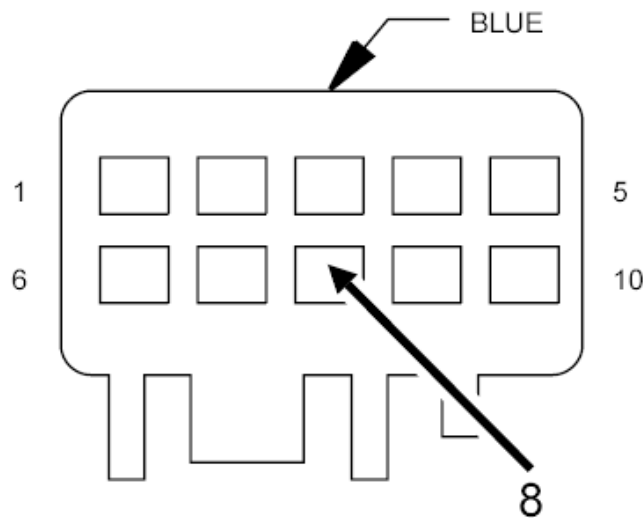
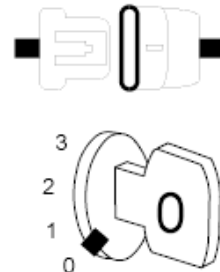
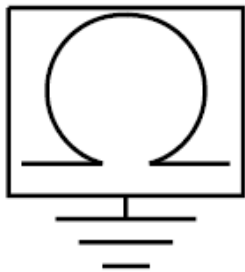
No

- Replace the Window/Door Lock Switch.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.

Yes

- Go to step 3

3. (E34) PASSENGER WINDOW SWITCH ILLUMINATION DRIVER CIRCUIT SHORT TO GROUND



MODULE-
DOOR-
PASSENGER C5

103890

Fig. 3: Checking Passenger Window Switch Illumination Driver Circuit Short To Ground
Courtesy of CHRYSLER LLC

1. Turn the ignition off.

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2. Turn the park lamps off.
3. Disconnect the Passenger Door Module C5 connector.
4. Measure the resistance between Ground and the (E34) Passenger Window Switch Illumination Driver circuit.

Is the resistance below 10,000 ohms?

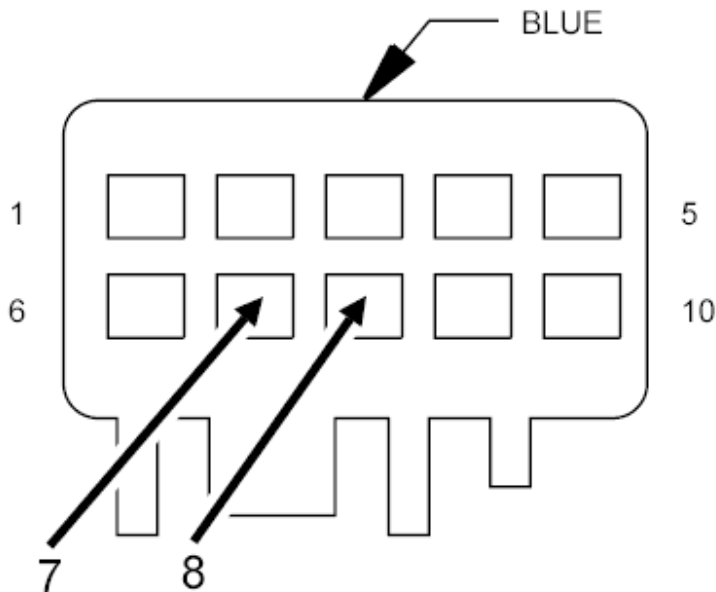
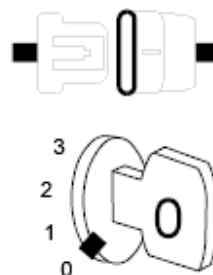
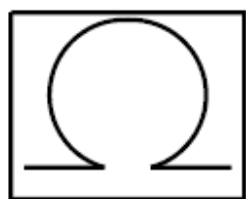
Yes

- Repair the (E34) Passenger Window Switch Illumination Driver circuit for a short to ground.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

No

- Go to step 4

4. **(E34) PASSENGER WINDOW SWITCH ILLUMINATION DRIVER CIRCUIT SHORT TO (Q936) PASSENGER WINDOW SWITCH RETURN**



MODULE-
DOOR-
PASSENGER C5

103892

Fig. 4: Checking Passenger Window Switch Illumination Driver Circuit Short To Passenger Window Switch Return
Courtesy of CHRYSLER LLC

1. Measure the resistance between the (E34) Passenger Window Switch Illumination Driver circuit and the (Q936) Passenger Window Switch Return circuit.

Is the resistance below 10,000 ohms?

Yes

- Repair the (E34) Passenger Window Switch Illumination Driver circuit for a short to the (Q936) Passenger Window Switch Return circuit.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.

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No

- Replace the Passenger Door Module in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

B16A5-PASSENGER WINDOW SWITCH BACKLIGHTING CIRCUIT HIGH

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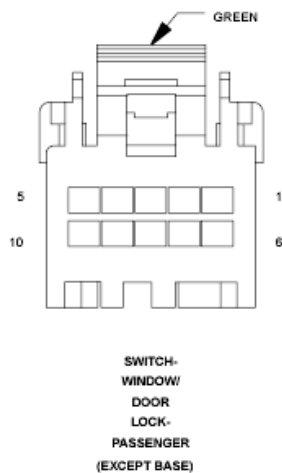
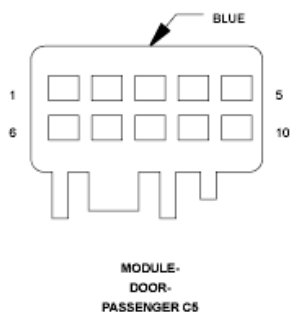
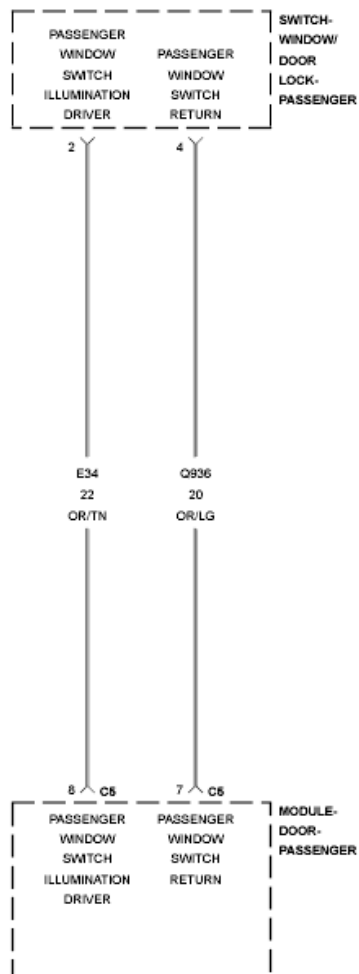


Fig. 5: Passenger Window Switch Illumination Driver Circuit Schematic
Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

- **When Monitored:**

Whenever the power is turned off to the module and it goes from awake to sleep mode.

- **Set Condition:**

When the Passenger Window Switch Illumination Driver circuit is above 2.5 volts for over 15 ms. and the switch illumination output is turned off.

Possible Causes
(E34) PASSENGER WINDOW SWITCH ILLUMINATION DRIVER CIRCUIT SHORT TO VOLTAGE WINDOW/DOOR LOCK SWITCH SHORTED PASSENGER DOOR MODULE (PDM)

Diagnostic Test**1. TEST FOR INTERMITTENT CONDITION**

1. Turn the ignition on.
2. With the scan tool, record and erase DTCs
3. Ensure the passenger window lock out switch is off.
4. Wait 30 seconds.
5. With the scan tool, read DTCs.

Does the scan tool display B16A5-PASSENGER WINDOW SWITCH BACKLIGHTING CIRCUIT HIGH?

Yes

- Go to step 2

No

- The conditions that caused this code to set are not present at this time. Using the **SYSTEM WIRING DIAGRAMS** as a guide, inspect the wiring and connectors.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

2. WINDOW/DOOR LOCK SWITCH SHORTED

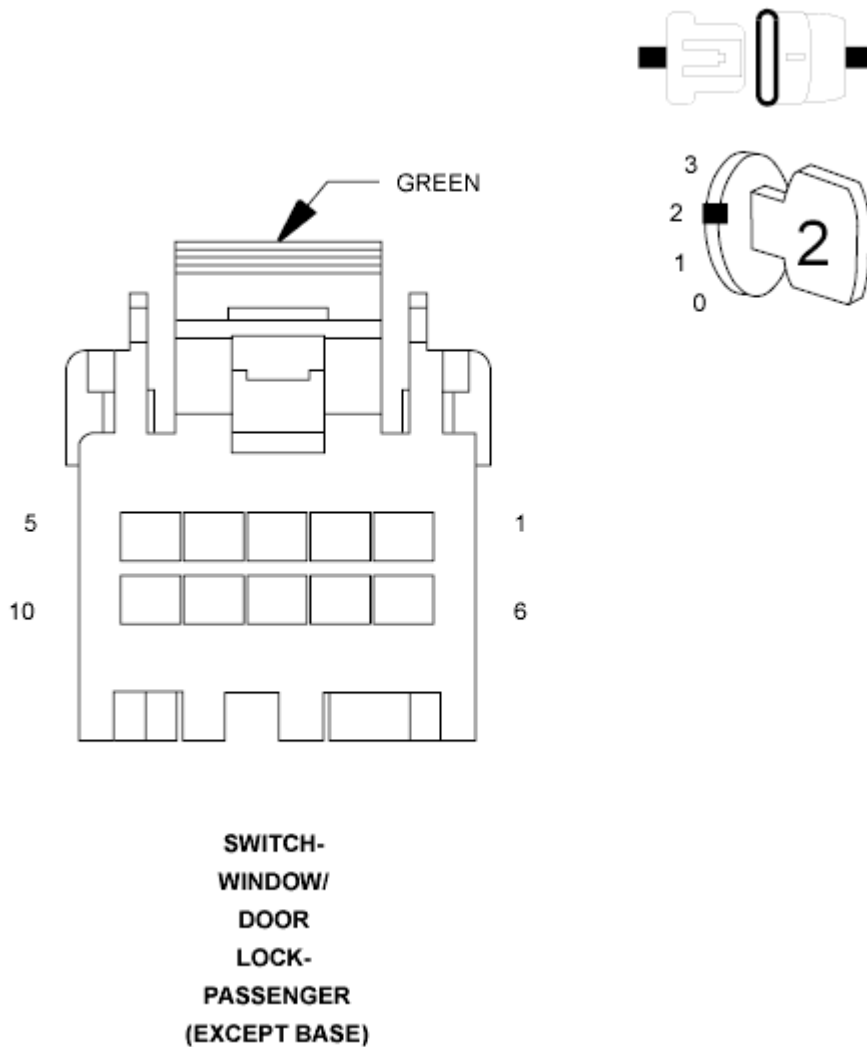


Fig. 6: Checking Window/Door Lock Switch Shorted
Courtesy of CHRYSLER LLC

1. With the scan tool, erase DTCs.
2. Turn the ignition off.
3. Disconnect the Passenger Window/Door Lock Switch connector.
4. Turn the ignition on.
5. Operate the passenger window lock out switch several times.
6. With the scan tool, read DTCs.

Does the scan tool display B16A5-PASSENGER WINDOW SWITCH BACKLIGHTING CIRCUIT HIGH?

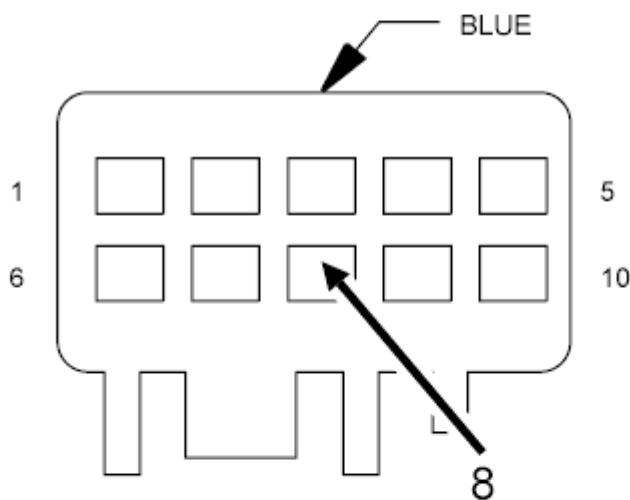
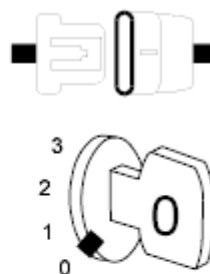
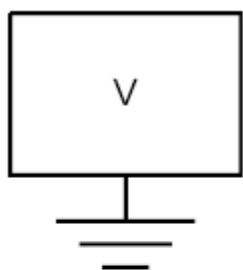
No

- Replace the Window/Door Lock Switch.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

Yes

- Go to step 3

3. (E34) PASSENGER WINDOW SWITCH ILLUMINATION DRIVER CIRCUIT SHORT TO VOLTAGE



MODULE-
DOOR-
PASSENGER C5

103896

Fig. 7: Checking Passenger Window Switch Illumination Driver Circuit Short To Voltage
Courtesy of CHRYSLER LLC

1. Turn the ignition off.

2. Disconnect the Passenger Door Module C5 connector.
3. Turn the ignition on.
4. Measure the voltage between the (E34) Passenger Window Switch Illumination Driver circuit and Ground.

Is there any voltage present?

Yes

- Repair the (E34) Passenger Window Switch Illumination Driver circuit for a short to voltage.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

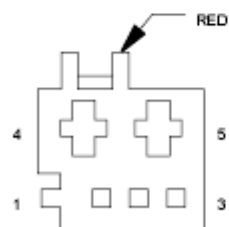
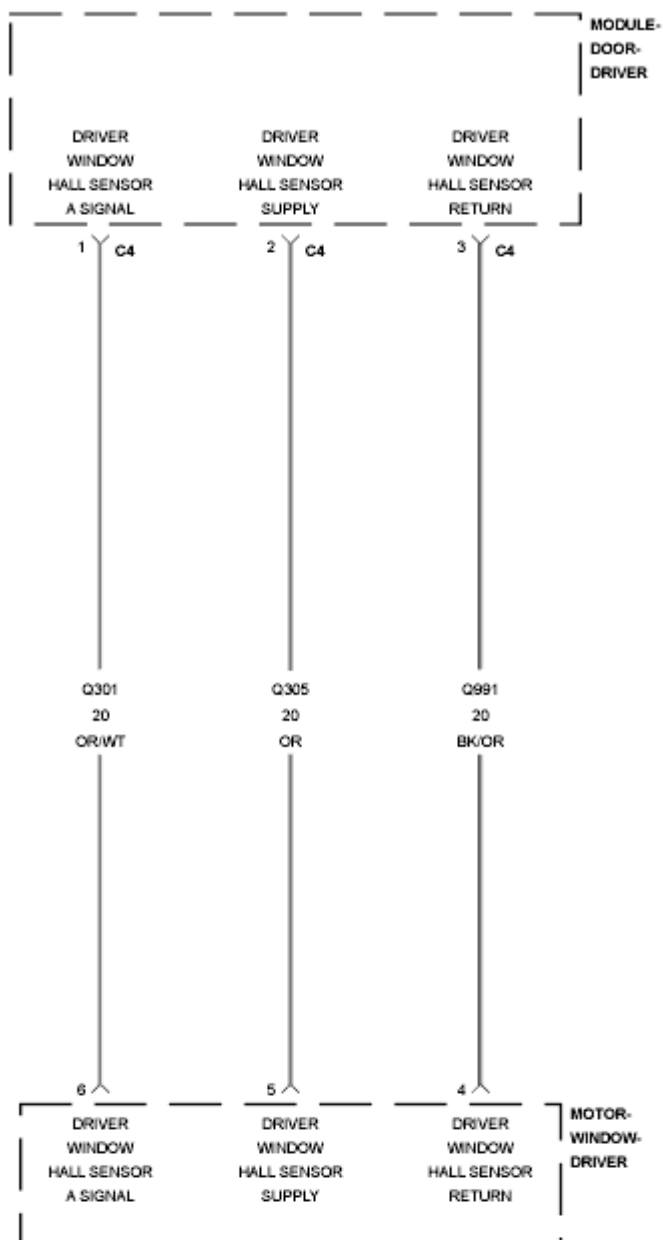
No

- Replace the Passenger Door Module in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

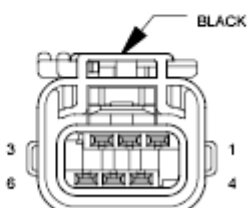
B1808-PASSENGER DOOR LOCK/UNLOCK SWITCH CIRCUIT STUCK LOCK

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MODULE-
DRIVER



MOTOR-
WINDOW-
DRIVER

Fig. 8: Passenger Door Lock Switch MUX Circuit Schematic
Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

- **When Monitored:**

Continuously.

- **Set Condition:**

When the Passenger Door Lock Switch Mux circuit is between 0.8 and 1.5 volts for over 30 seconds.

Possible Causes
(G160) PASSENGER DOOR LOCK SWITCH MUX CIRCUIT SHORT TO GROUND (G160) PASSENGER DOOR LOCK SWITCH MUX CIRCUIT SHORT TO THE (Q936) PASSENGER WINDOW EXPRESS SWITCH RETURN CIRCUIT DOOR LOCK SWITCH SHORT TO GROUND PASSENGER DOOR MODULE

Diagnostic Test

1. TEST FOR INTERMITTENT CONDITION

1. With the scan tool, record and erase DTCs
2. Operate the Passenger Door Lock Switch in all positions several times.
3. Turn the ignition on and wait 30 seconds.
4. With the scan tool, read DTCs.

Does the scan tool display B1808-PASSENGER DOOR LOCK/UNLOCK SWITCH CIRCUIT STUCK LOCK?

Yes

- Go to step 2

No

- The conditions that caused this code to set are not present at this time. Using the **SYSTEM WIRING DIAGRAMS** as a guide, inspect the wiring and connectors.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

2. DOOR LOCK SWITCH SHORTED

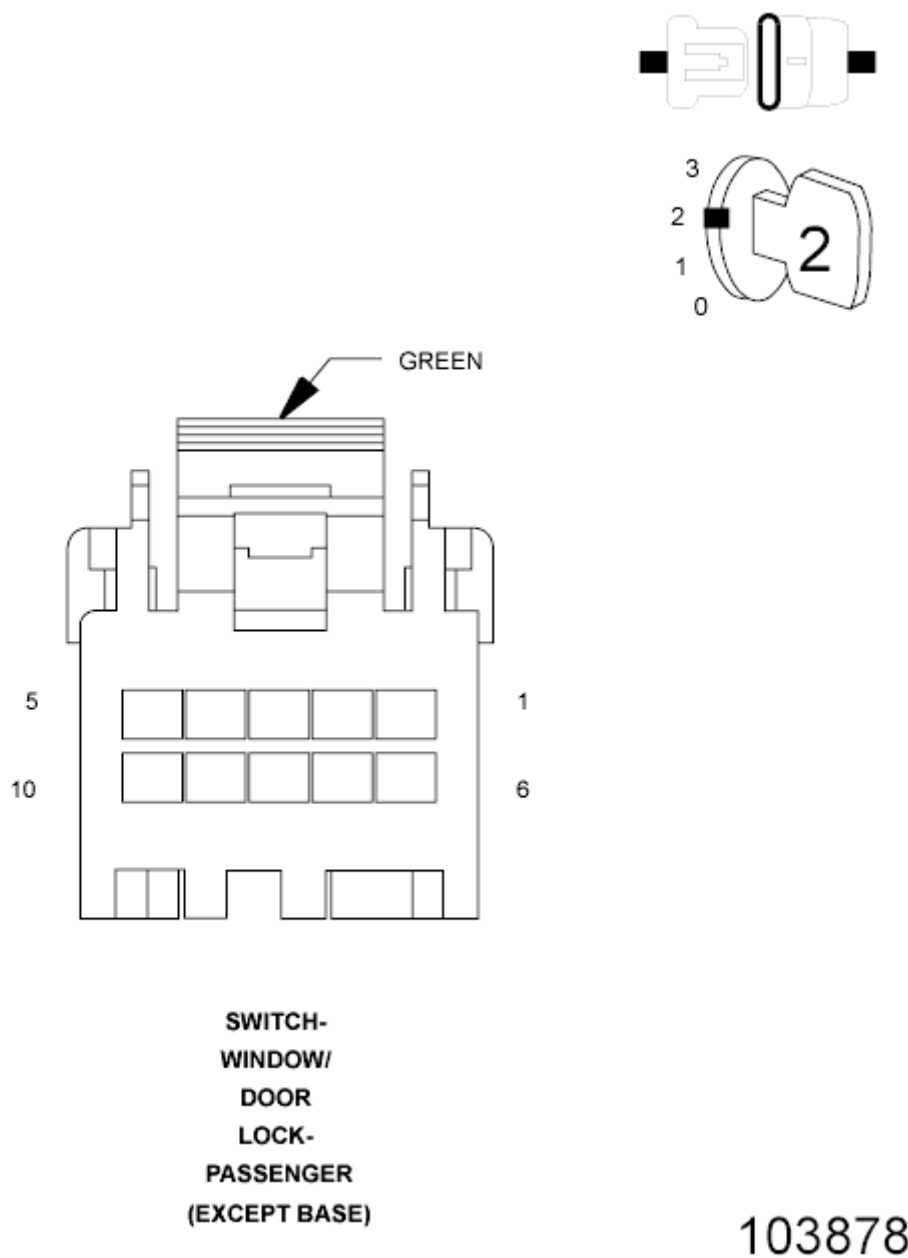


Fig. 9: Checking Door Lock Switch Shorted
Courtesy of CHRYSLER LLC

1. With the scan tool, erase DTCs.
2. Disconnect the Passenger Window/Door Lock Switch connector.
3. With the scan tool, read DTCs.

Does the scan tool display B1808-PASSENGER DOOR LOCK/UNLOCK SWITCH CIRCUIT STUCK LOCK?

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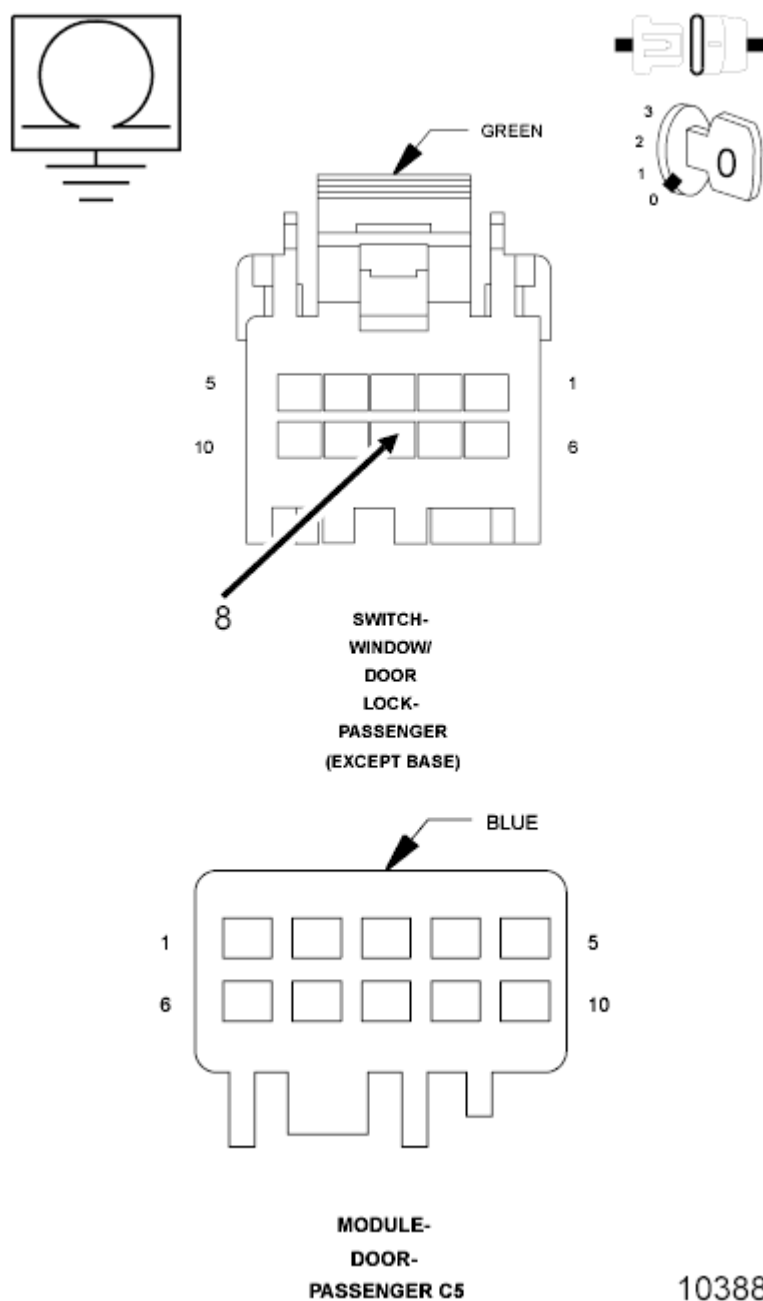
No

- Replace the Passenger Window/Door Lock Switch.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

Yes

- Go to step 3

3. (G160) PASSENGER DOOR LOCK SWITCH MUX CIRCUIT SHORT TO GROUND



103880

Fig. 10: Checking Passenger Door Lock Switch MUX Circuit Short To Ground
 Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Disconnect the Passenger Door Module C5 connector.
3. Measure the resistance between ground and the (G160) Passenger Door Lock Switch Mux circuit in the Passenger Window/Door Lock Switch connector.

Is the resistance below 10,000 ohms?

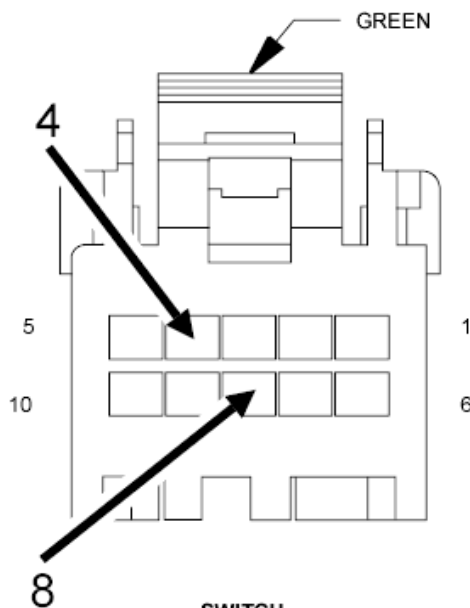
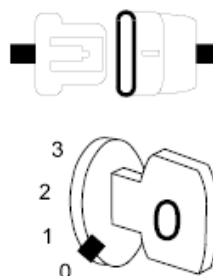
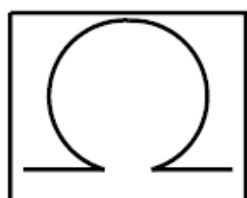
Yes

- Repair the (G160) Passenger Door Lock Switch Mux circuit for a short to ground.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

No

- Go to step 4

4. (G160) PASSENGER DOOR LOCK SWITCH MUX CIRCUIT SHORT TO (Q936) PASSENGER WINDOW EXPRESS SWITCH RETURN CIRCUIT



SWITCH-
WINDOW/
DOOR
LOCK-
PASSENGER
(EXCEPT BASE)

103882

Fig. 11: Checking Passenger Door Lock Switch MUX Circuit Short To Passenger Window Express Switch Return Circuit

Courtesy of CHRYSLER LLC

1. Measure the resistance between the (G160) Passenger Door Lock Switch Mux circuit and the (Q936) Passenger Window Express Switch Return circuit.

Is the resistance below 10,000 ohms?

Yes

- Repair the (G160) Passenger Door Lock Switch Mux circuit for a short to the (Q936) Passenger Window Express Switch Return circuit.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

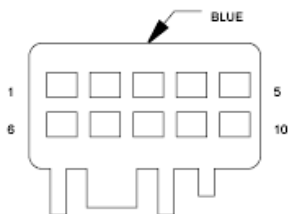
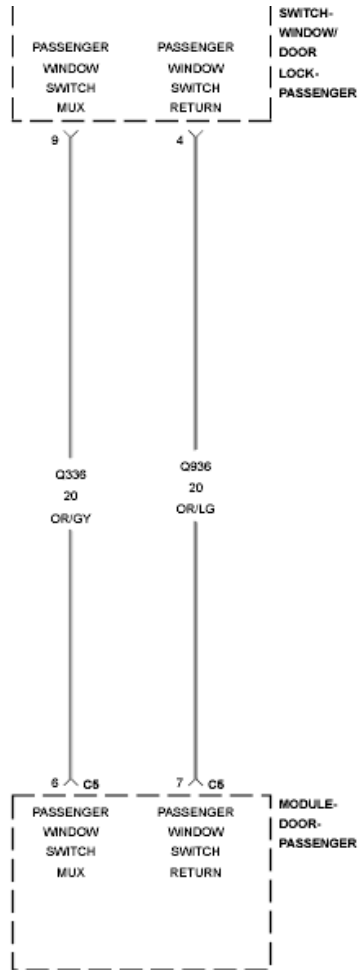
No

- Replace the Passenger Door Module in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

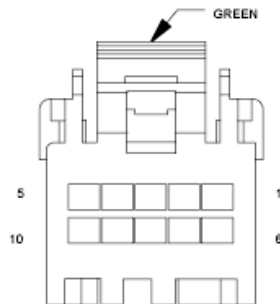
B185D-PASSENGER WINDOW SWITCH CIRCUIT STUCK

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MODULE-
DOOR-
PASSENGER C5



SWITCH-
WINDOW/
DOOR
LOCK-
PASSENGER
(EXCEPT BASE)

Fig. 12: Passenger Window Switch MUX Circuit Schematic
Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

- **When Monitored:**

Whenever the module is awake.

- **Set Condition:**

When the Passenger Window Switch Mux circuit is resisted for over 30 seconds.

Possible Causes
(Q336) PASSENGER WINDOW SWITCH MUX CIRCUIT PARTIAL SHORT TO GROUND (Q336) PASSENGER WINDOW SWITCH MUX CIRCUIT SHORT TO THE (Q936) PASSENGER WINDOW SWITCH RETURN CIRCUIT WINDOW/DOOR LOCK SWITCH SHORT TO GROUND PASSENGER DOOR MODULE (PDM)

Diagnostic Test**1. TEST FOR INTERMITTENT CONDITION**

1. Turn the ignition on.
2. With the scan tool, record and erase DTCs
3. Operate the Passenger Window Switch in all positions several times.
4. Wait 30 seconds.
5. With the scan tool, read DTCs.

Does the scan tool display B185D-PASSENGER WINDOW SWITCH CIRCUIT STUCK?

Yes

- Go to step 2

No

- The conditions that caused this code to set are not present at this time. Check for a sticking switch and using the **SYSTEM WIRING DIAGRAMS** as a guide, inspect the wiring and connectors.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

2. PASSENGER WINDOW SWITCH SHORTED

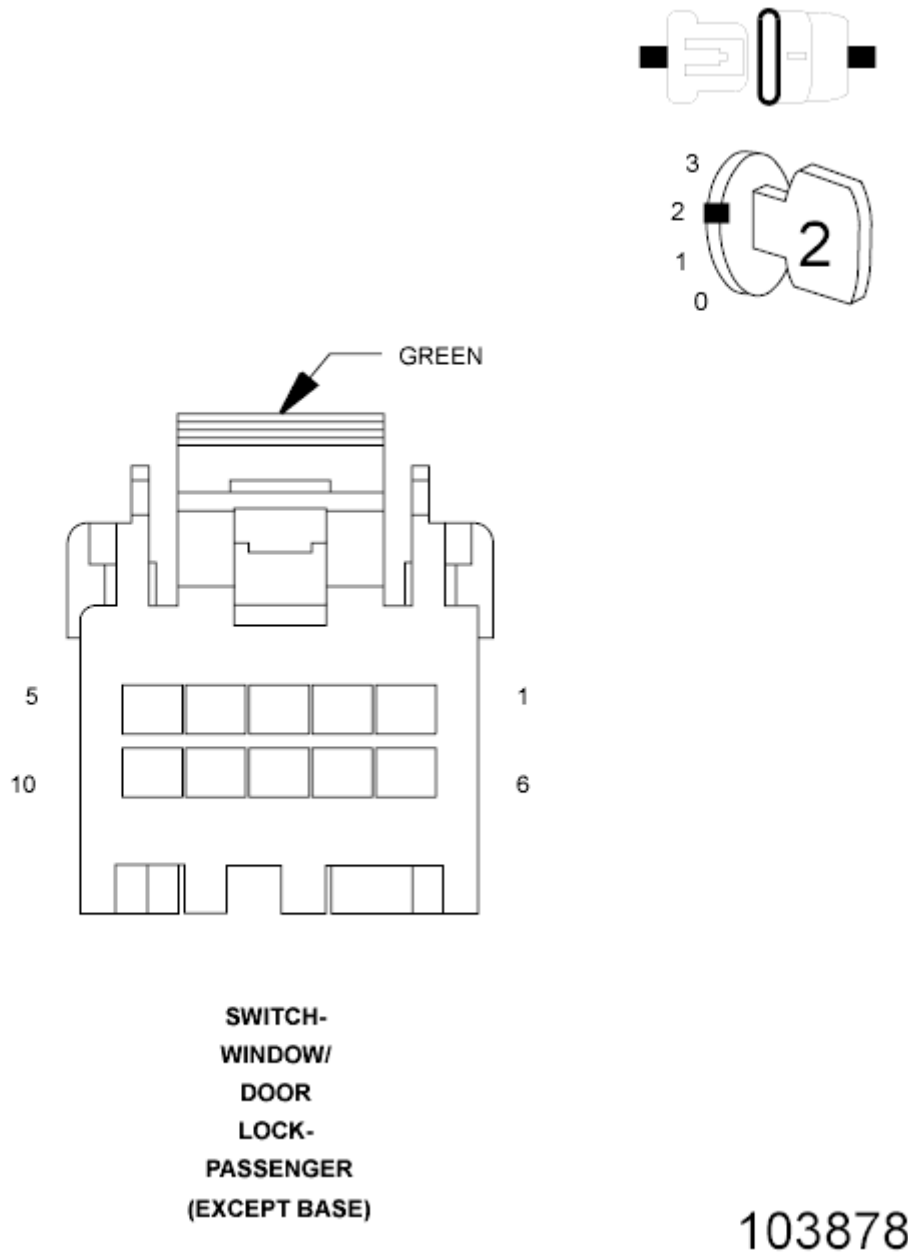


Fig. 13: Checking Door Lock Switch Shorted
Courtesy of CHRYSLER LLC

1. With the scan tool, erase DTCs.
2. Disconnect the Passenger Window/Door Lock Switch connector.
3. With the scan tool, read DTCs.

Does the scan tool display B185D-PASSENGER WINDOW SWITCH CIRCUIT STUCK?

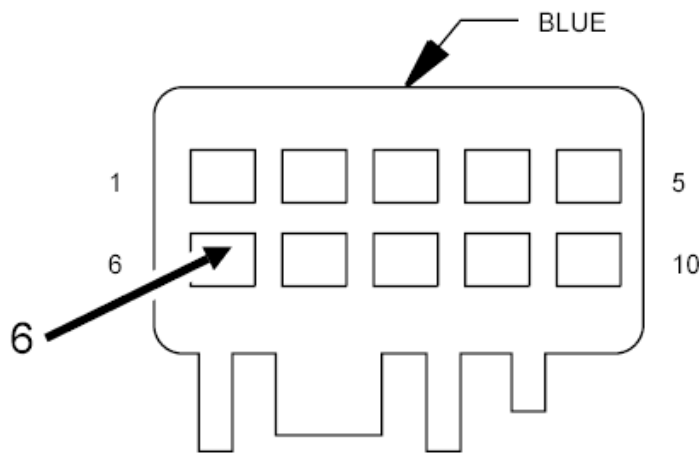
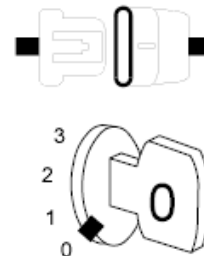
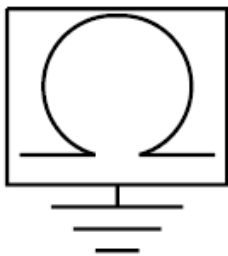
No

- Replace the Passenger Window/Door Lock Switch.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.

Yes

- Go to step 3

3. (Q336) PASSENGER WINDOW SWITCH MUX CIRCUIT SHORT TO GROUND



MODULE-
DOOR-
PASSENGER C5

74177

Fig. 14: Checking Passenger Window Switch MUX Circuit Short To Ground
Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Disconnect the Passenger Door Module C5 connector.
3. Measure the resistance between ground and the (Q336) Passenger Window Switch Mux circuit.

Is the resistance below 10,000ohms?

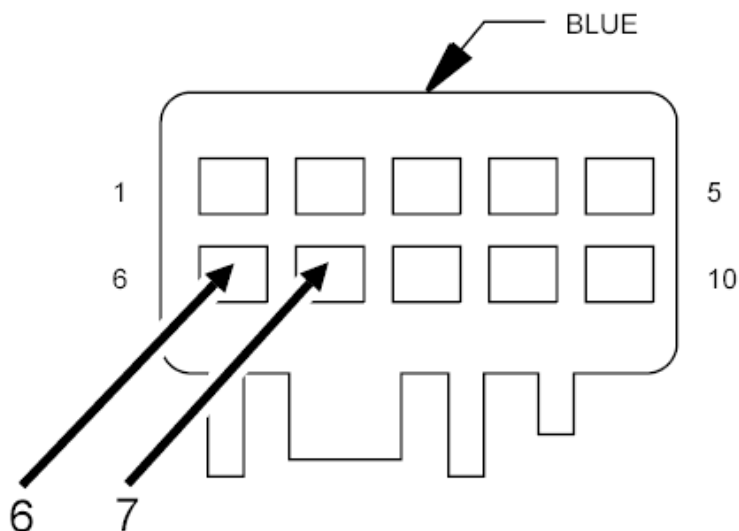
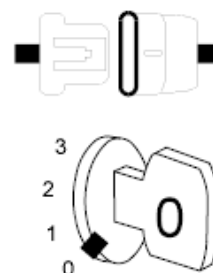
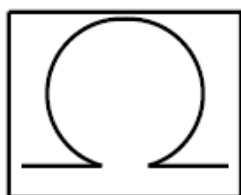
Yes

- Repair the (Q336) Passenger Window Switch Mux circuit for a short to ground.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

No

- Go to step 4

4. (Q336) PASSENGER WINDOW SWITCH MUX CIRCUIT SHORT TO (Q936) PASSENGER SWITCH RETURN CIRCUIT



**MODULE-
DOOR-
PASSENGER C5**

74179

Fig. 15: Checking Passenger Window Switch MUX Circuit Short To Passenger Switch Return Circuit**Courtesy of CHRYSLER LLC**

1. Measure the resistance between the (Q336) Passenger Window Switch Mux circuit and the (Q936) Passenger Switch Return circuit.

Is the resistance below 10,000 ohms?

Yes

- Repair the (Q336) Passenger Switch Mux circuit for a short to the (Q936) Passenger Window Switch Return circuit.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

No

- Replace the Passenger Door Module in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

B185F-PASSENGER WINDOW MOTOR CONTROL CIRCUIT LOW

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

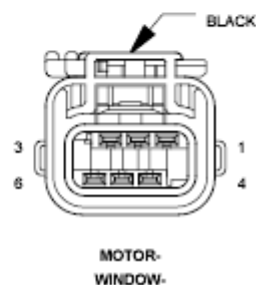
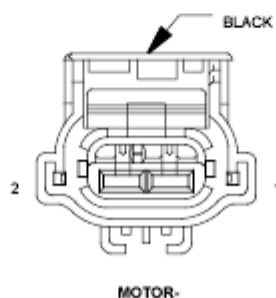
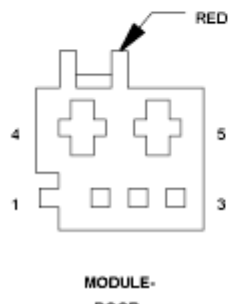
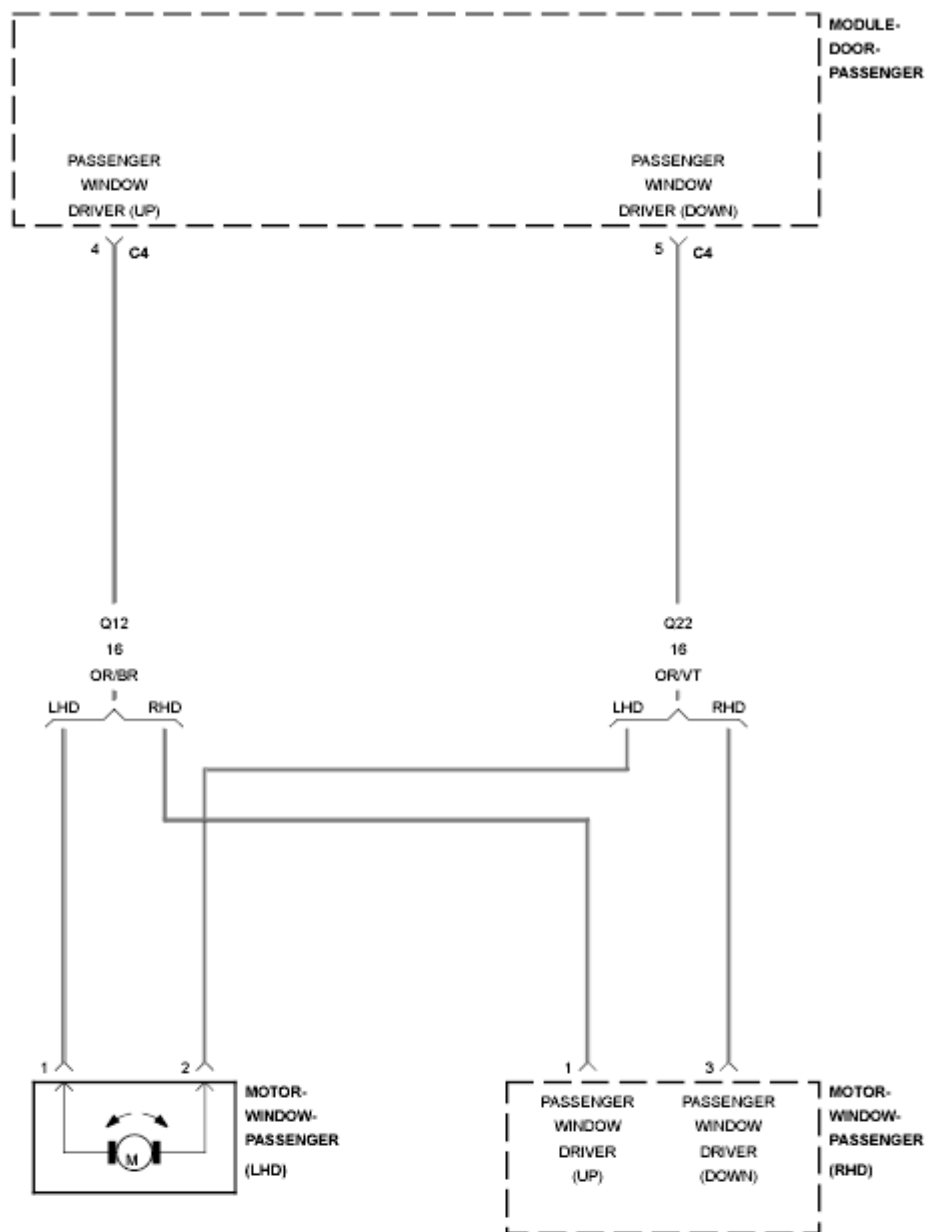


Fig. 16: Passenger Window Driver Circuit Schematic
 Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS**.

- **When Monitored:**

Whenever the window motor is operating.

- **Set Condition:**

When both Passenger Window Driver circuits (Up and Down) are grounded during a window movement command, this code will set.

Possible Causes
(Q22) PASSENGER WINDOW DRIVER DOWN CIRCUIT SHORT TO GROUND
(Q12) PASSENGER WINDOW DRIVER UP CIRCUIT SHORT TO GROUND
(Q22) PASSENGER WINDOW DRIVER DOWN CIRCUIT SHORTED TO THE (Q12) PASSENGER WINDOW DRIVER UP CIRCUIT
WINDOW MOTOR SHORTED
PASSENGER DOOR MODULE (PDM)

Diagnostic Test

1. TEST FOR INTERMITTENT CONDITION

1. Turn the ignition on.
2. With the scan tool, record and erase DTCs
3. Try to operate the Passenger Window up and down several times.
4. Wait 30 seconds.
5. With the scan tool, read DTCs.

Does the scan tool display B185F-PASSENGER WINDOW MOTOR CONTROL CIRCUIT LOW?

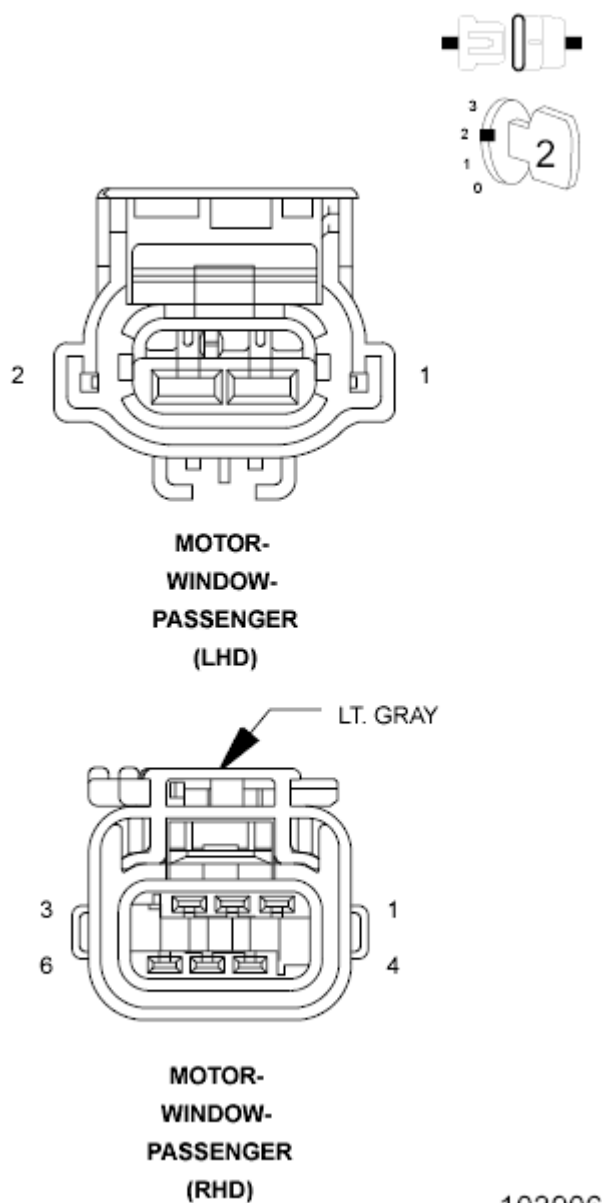
Yes

- Go to step 2

No

- The conditions that caused this code to set are not present at this time. Using the **SYSTEM WIRING DIAGRAMS** as a guide, inspect the wiring and connectors.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.

2. WINDOW MOTOR SHORTED



103906

Fig. 17: Checking Window Motor Shorted
Courtesy of CHRYSLER LLC

1. With the scan tool, erase DTCs.
2. Turn the ignition off.
3. Disconnect the Passenger Window Motor connector.
4. Turn the ignition on.
5. Operate the passenger window switch up and down several times.
6. With the scan tool, read DTCs.

Does the scan tool display B185F-PASSENGER WINDOW MOTOR CONTROL CIRCUIT LOW?

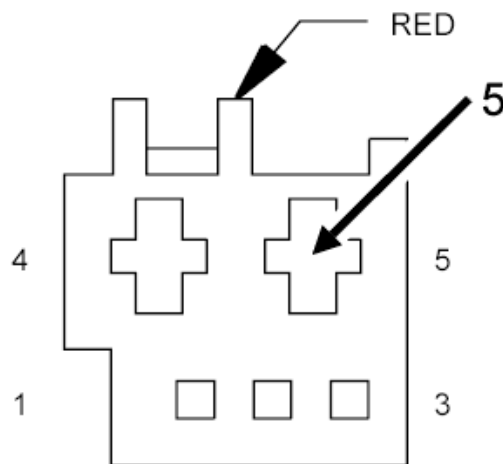
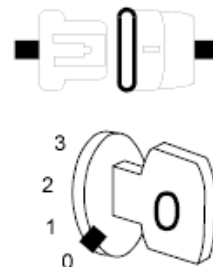
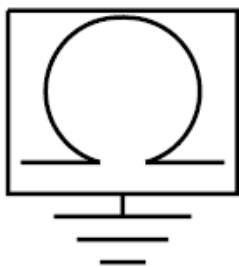
No

- Replace the Window Motor (regulator) in accordance with service information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

Yes

- Go to step 3

3. (Q22) PASSENGER WINDOW DRIVER DOWN CIRCUIT SHORT TO GROUND



MODULE-
DOOR-
PASSENGER C4

74189

Fig. 18: Checking Passenger Window Driver Down Circuit Short To Ground

Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Disconnect the Passenger Door Module C4 connector.
3. Measure the resistance between Ground and the (Q22) Passenger Window Driver Down circuit.

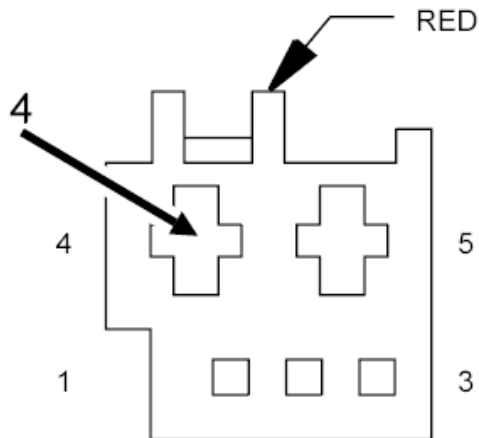
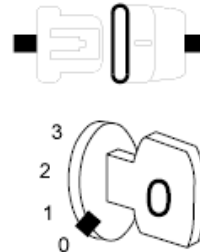
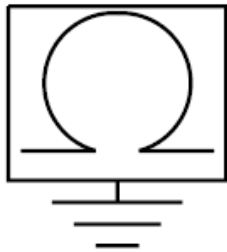
Is the resistance below 1,000 ohms?

Yes

- Repair the (Q22) Passenger Window Driver Down circuit for a short to ground.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

No

- Go to step 4
4. **(Q12) PASSENGER WINDOW DRIVER UP CIRCUIT SHORT TO GROUND**



MODULE-
DOOR-
PASSENGER C4

74187

Fig. 19: Checking Passenger Window Driver Up Circuit Short To Ground
Courtesy of CHRYSLER LLC

1. Measure the resistance between Ground and the (Q12) Passenger Window Driver Up circuit.

Is the resistance below 1,000 ohms?

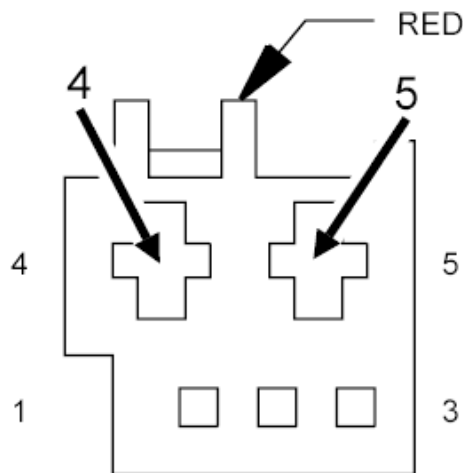
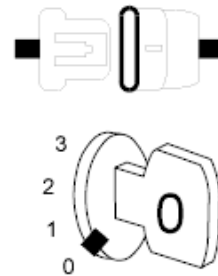
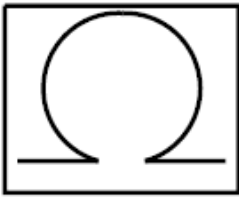
Yes

- Repair the (Q12) Passenger Window Driver Up circuit for a short to ground.
- v. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

No

- Go to step 5

5. (Q22) PASSENGER WINDOW DRIVER DOWN CIRCUIT SHORT TO (Q12) PASSENGER

WINDOW DRIVER UP CIRCUIT

**MODULE-
DOOR-
PASSENGER C4**

74191

Fig. 20: Checking Passenger Window Driver Down Circuit Short To Passenger Window Driver Up Circuit

Courtesy of CHRYSLER LLC

1. Measure the resistance between the (Q22) Passenger Window Driver Down circuit and the (Q12) Passenger Window Driver Up circuit.

Is the resistance below 1,000ohms?

Yes

- Repair the (Q22) Passenger Window Driver Down circuit for a short to the (Q12) Passenger Window Driver Up circuit.

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

No

- Replace the Passenger Door Module in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

B1860-PASSENGER WINDOW MOTOR CONTROL CIRCUIT HIGH

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

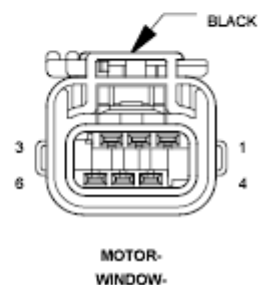
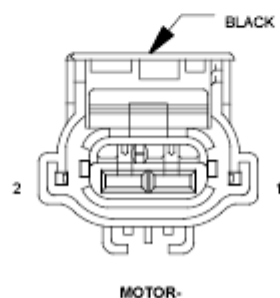
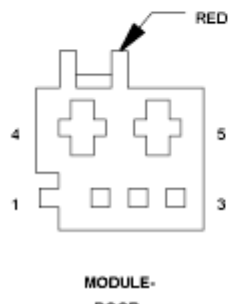
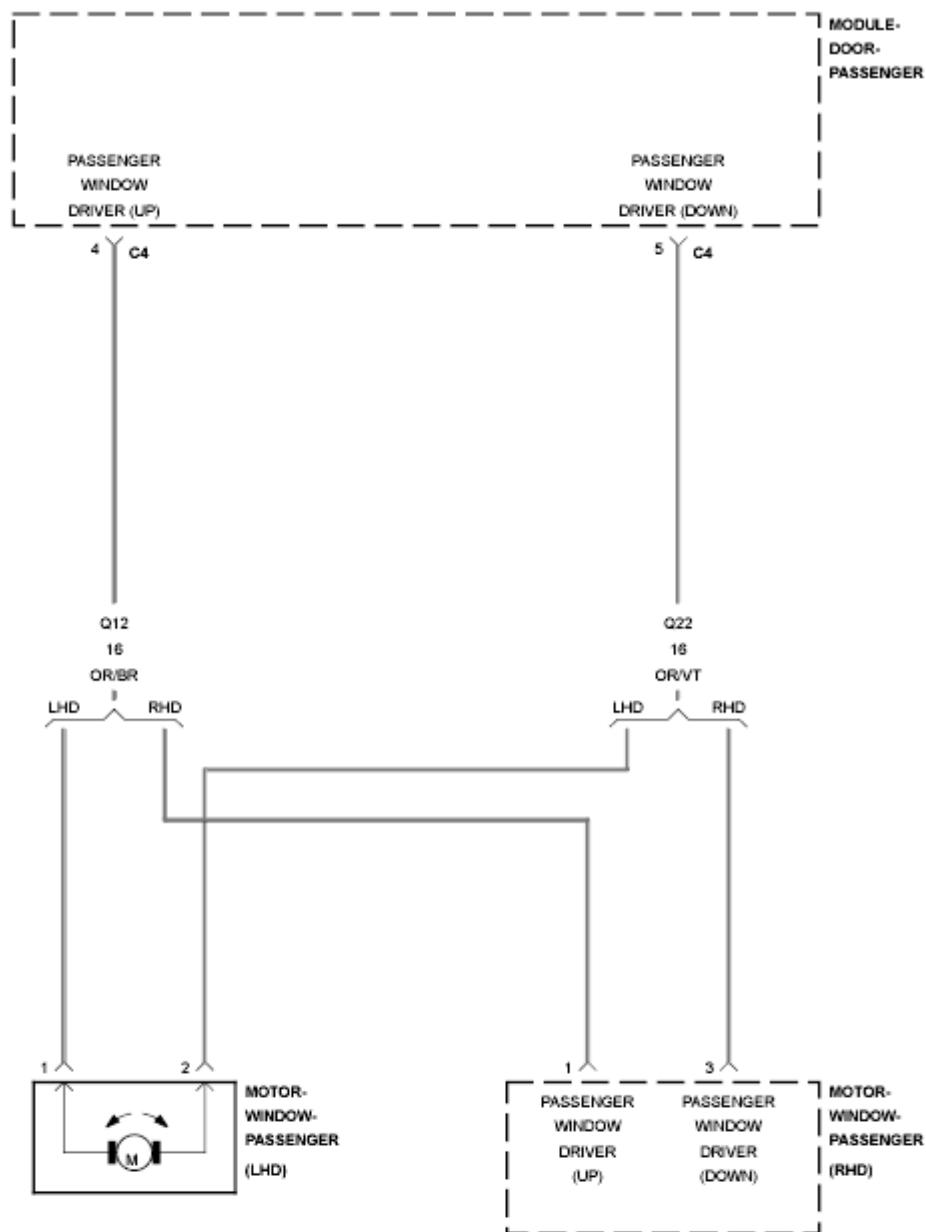


Fig. 21: Passenger Window Driver Circuit Schematic
Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

- **When Monitored:**

Whenever the module is awake.

- **Set Condition:**

When both Passenger Window Driver circuits (Up and Down) are supplied with voltage during a window movement command for more than five ms., this code will set.

Possible Causes
(Q22) PASSENGER WINDOW DRIVER DOWN CIRCUIT SHORT TO VOLTAGE (Q12) PASSENGER WINDOW DRIVER UP CIRCUIT SHORT TO VOLTAGE WINDOW MOTOR (REGULATOR) PASSENGER DOOR MODULE (PDM)

Diagnostic Test

1. TEST FOR INTERMITTENT CONDITION

1. Turn the ignition on.
2. With the scan tool, record and erase DTCs
3. Try to operate the Passenger Window up and down several times.
4. Wait 30 seconds.
5. With the scan tool, read DTCs.

Does the scan tool display B1860-PASSENGER WINDOW MOTOR CONTROL CIRCUIT HIGH?

Yes

- Go to step 2

No

- The conditions that caused this code to set are not present at this time. Using the **SYSTEM WIRING DIAGRAMS** as a guide, inspect the wiring and connectors.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

2. WINDOW MOTOR SHORTED

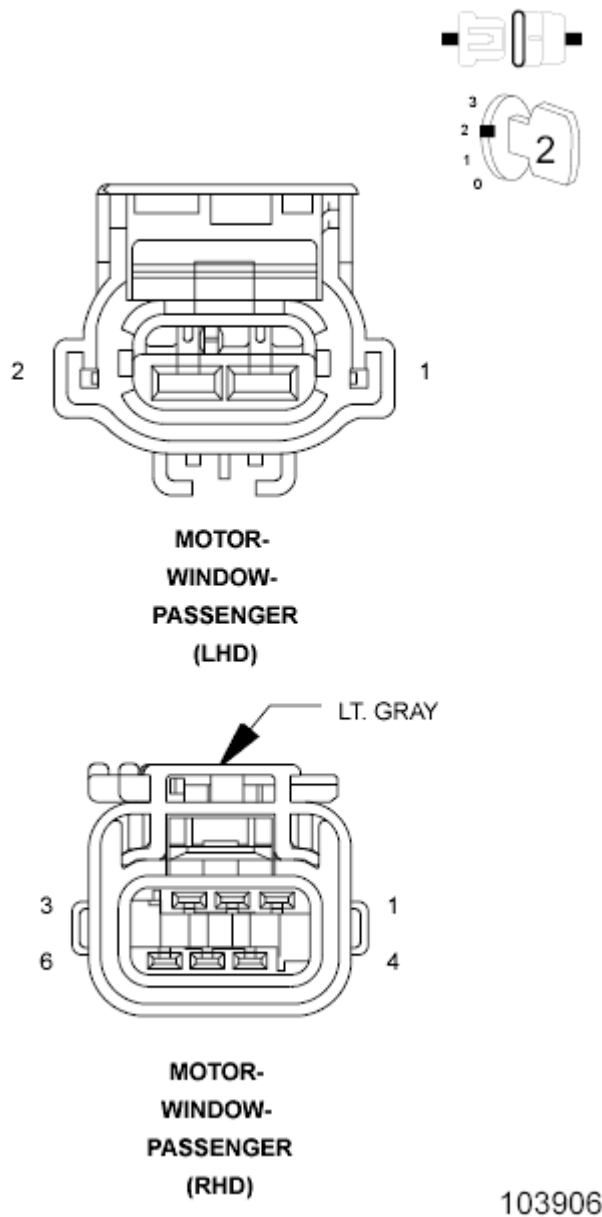


Fig. 22: Checking Window Motor Shorted
Courtesy of CHRYSLER LLC

1. With the scan tool, erase DTCs.
2. Turn the ignition off.
3. Disconnect the Passenger Window Motor connector.
4. Turn the ignition on.
5. Operate the driver window switch up and down several times.
6. With the scan tool, read DTCs.

Does the scan tool display B1860-PASSENGER WINDOW MOTOR CONTROL CIRCUIT

HIGH?

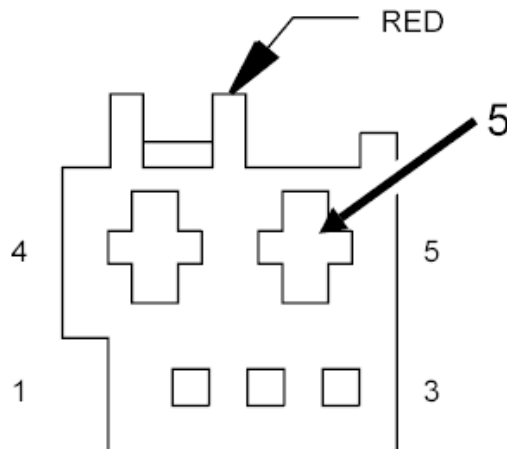
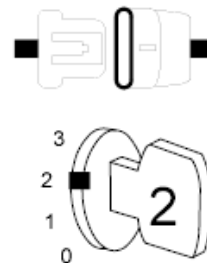
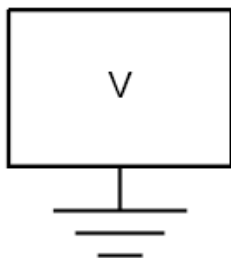
No

- Replace the Passenger Window Motor (regulator) in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.

Yes

- Go to step 3

3. (Q22) PASSENGER WINDOW DRIVER DOWN CIRCUIT SHORT TO VOLTAGE



MODULE-
DOOR-
PASSENGER C4

74197

Fig. 23: Checking Passenger Window Driver Down Circuit Short To Voltage
Courtesy of CHRYSLER LLC

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

1. Turn the ignition off.
2. Disconnect the Passenger Door Module C4 connector.
3. Turn the ignition on.
4. Measure the voltage between the (Q22) Passenger Window Driver Down circuit and Ground.

Is there any voltage present?

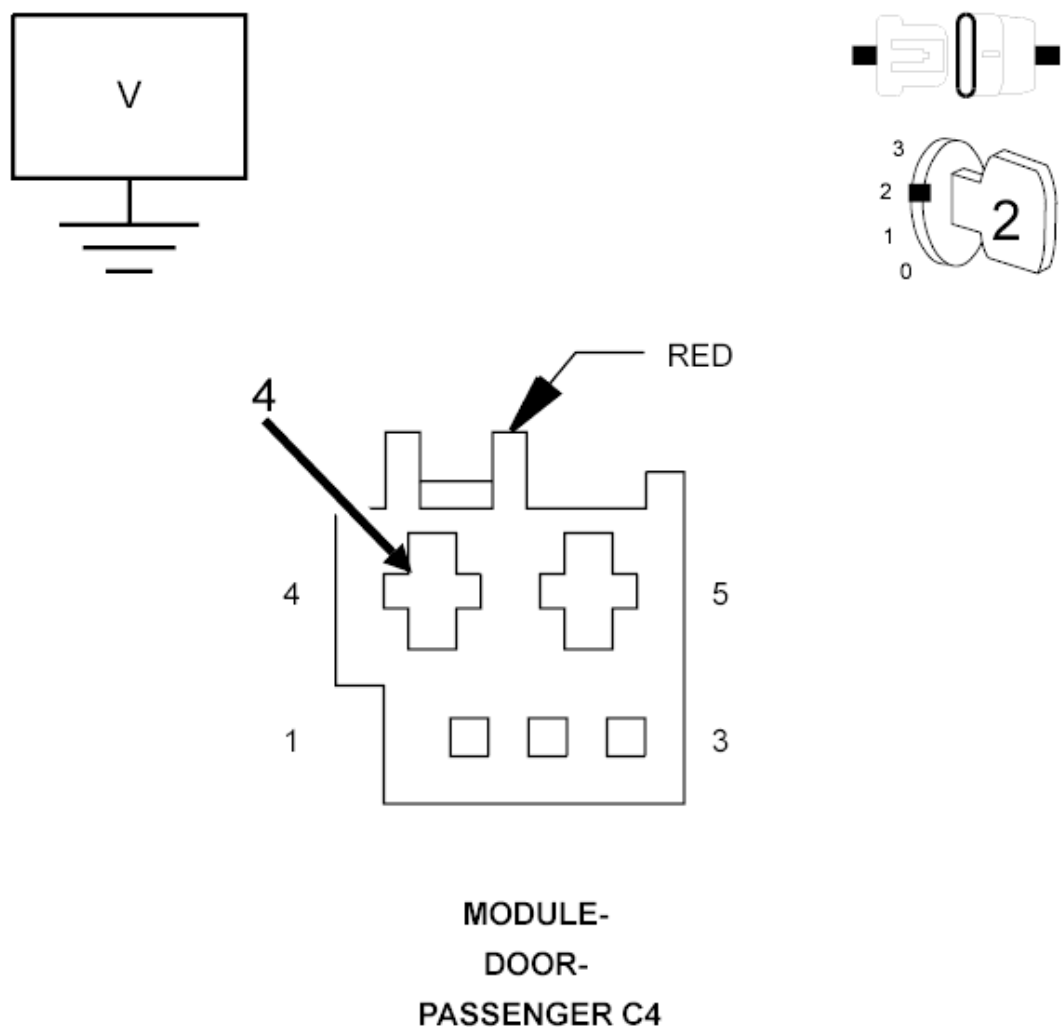
Yes

- Repair the (Q22) Passenger Window Driver Down circuit for a short to voltage.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

No

- Go to step 4

4. (Q12) PASSENGER WINDOW DRIVER UP CIRCUIT SHORT TO VOLTAGE



74195

Fig. 24: Checking Passenger Window Driver Up Circuit Short To Voltage
 Courtesy of CHRYSLER LLC

1. Measure the voltage between the (Q312) Passenger Window Driver Up Circuit and Ground.

Is there any voltage present?

Yes

- Repair the (Q12) Passenger Window Driver Up Circuit for a short to voltage.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.

No

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

- Replace the Passenger Door Module in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

B1861-PASSENGER WINDOW MOTOR CONTROL CIRCUIT OPEN

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

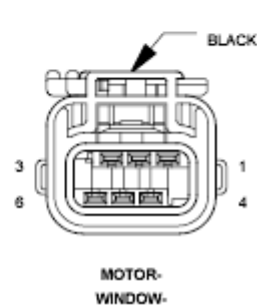
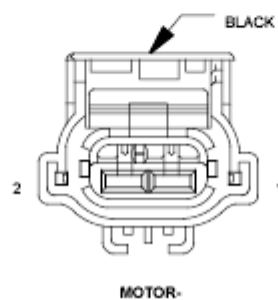
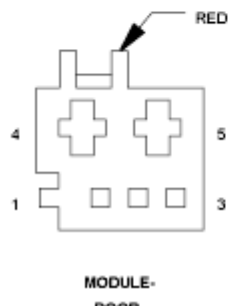
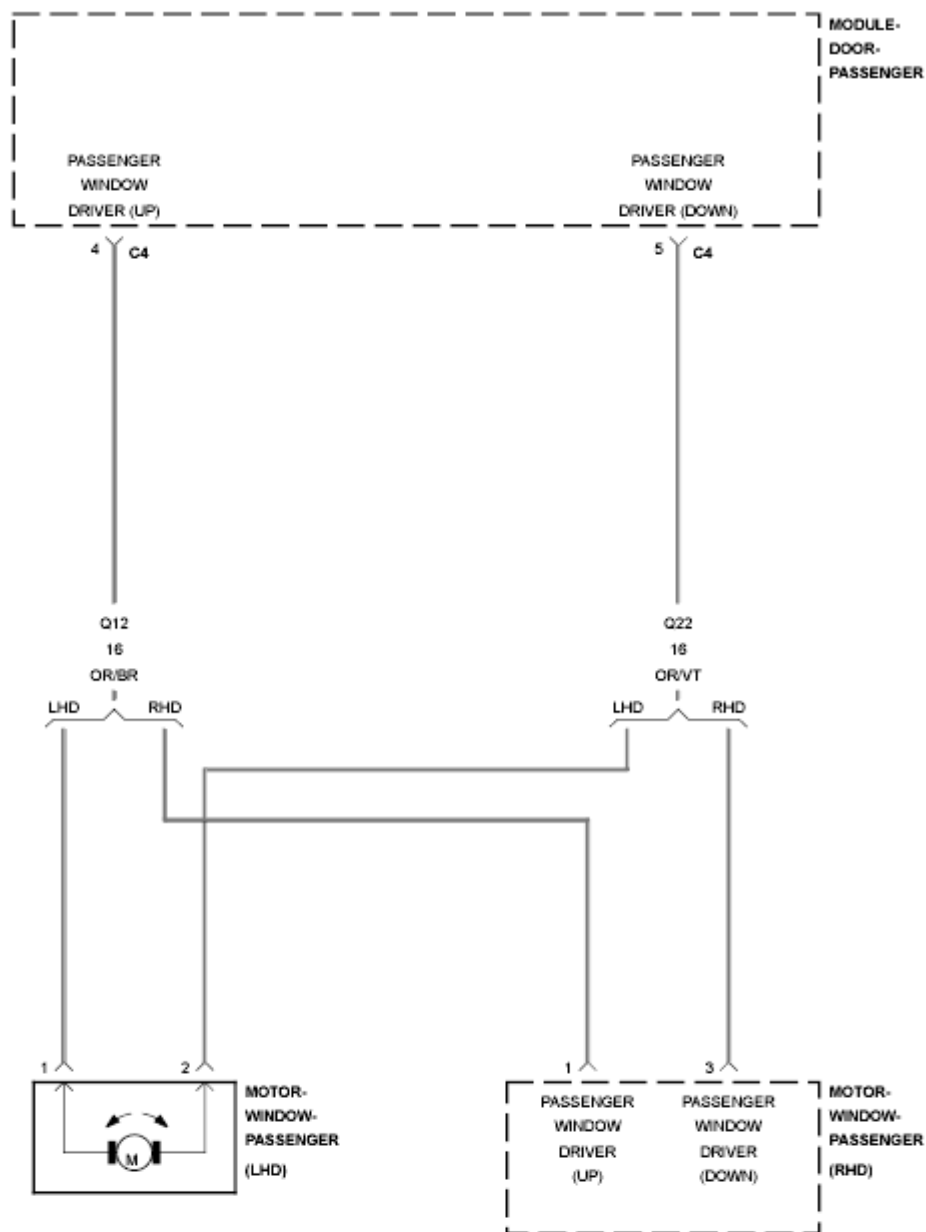


Fig. 25: Passenger Window Driver Circuit Schematic
 Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

- **When Monitored:**

Whenever the module is awake.

- **Set Condition:**

When one or both Passenger Window Driver circuits (Up and Down) are not supplied with voltage, when they should be, during a window movement command for more than five ms., this code will set.

Possible Causes
(Q22) PASSENGER WINDOW DRIVER DOWN CIRCUIT OPEN (Q12) PASSENGER WINDOW DRIVER UP CIRCUIT OPEN WINDOW MOTOR (REGULATOR) PASSENGER DOOR MODULE (PDM)

Diagnostic Test

1. TEST FOR INTERMITTENT CONDITION

1. Turn the ignition on.
2. With the scan tool, record and erase DTCs
3. Try to operate the Passenger Window up and down several times.
4. Wait 30 seconds.
5. With the scan tool, read DTCs.

Does the scan tool display B1861-PASSENGER WINDOW MOTOR CONTROL CIRCUIT OPEN?

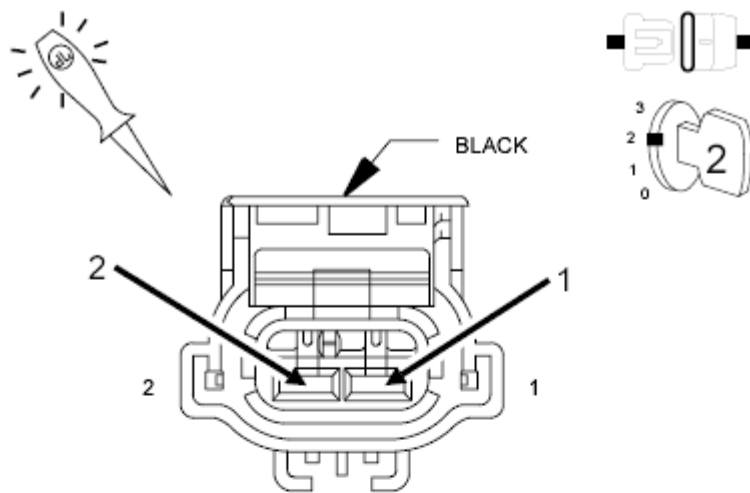
Yes

- Go to step 2

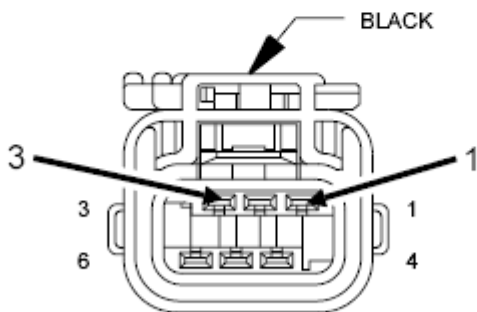
No

- The conditions that caused this code to set are not present at this time. Using the **SYSTEM WIRING DIAGRAMS** as a guide, inspect the wiring and connectors.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

2. WINDOW MOTOR OR CIRCUIT OPEN



MOTOR-
WINDOW-
PASSENGER
(LHD)



MOTOR-
WINDOW-
PASSENGER
(RHD)

103912

Fig. 26: Checking Window Motor Or Circuit Open

Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Disconnect the Passenger Window Motor connector.
3. Connect a test light between the (Q12) Passenger Window Driver Up circuit and the (Q22) Passenger Window Driver Down circuit.
4. Turn the ignition on.
5. Operate the passenger window switch up and down several times while observing the test light.

Does the test light illuminate brightly when the switch is pressed in both directions? With the express up window, the test light will only flash momentarily each time the switch is actuated.

Yes

- Replace the Passenger Window Motor (regulator) in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

No

- Go to step 3

3. (Q22) PASSENGER WINDOW DRIVER DOWN CIRCUIT OPEN

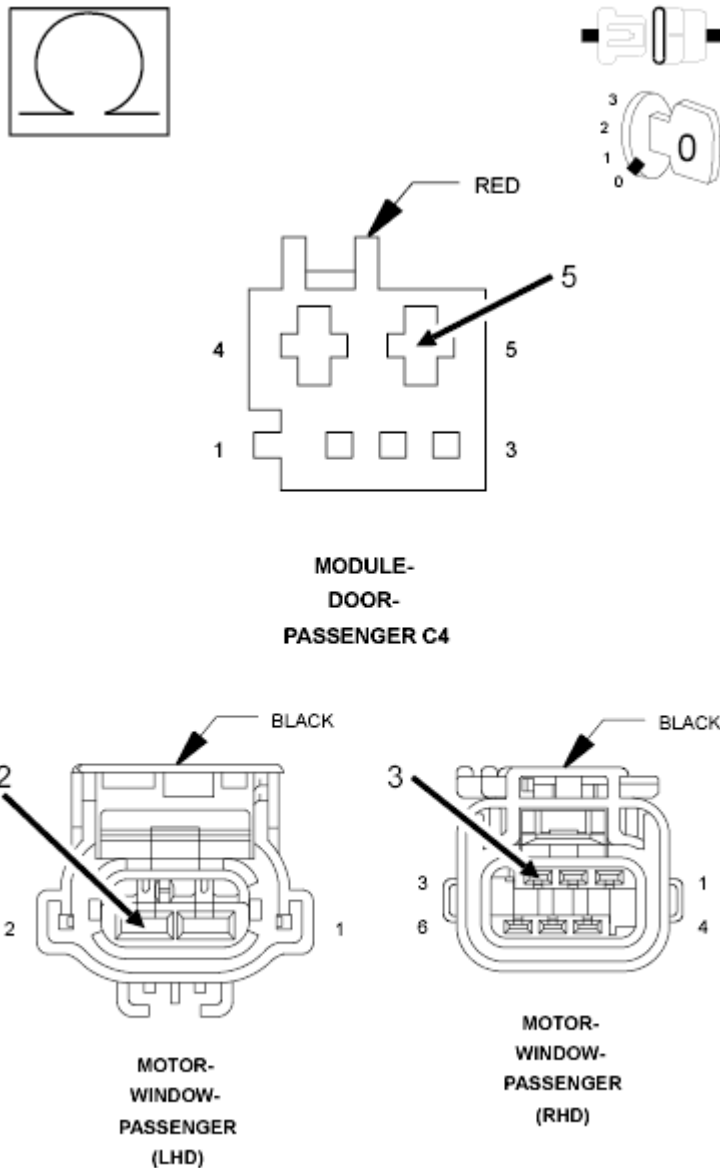


Fig. 27: Checking Passenger Window Driver Down Circuit Open
Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Disconnect the Passenger Door Module C4 connector.
3. Measure the resistance of the (Q22) Passenger Window Driver Down circuit between the C4 module connector and the motor connector.

Is the resistance below 2.0 ohms?

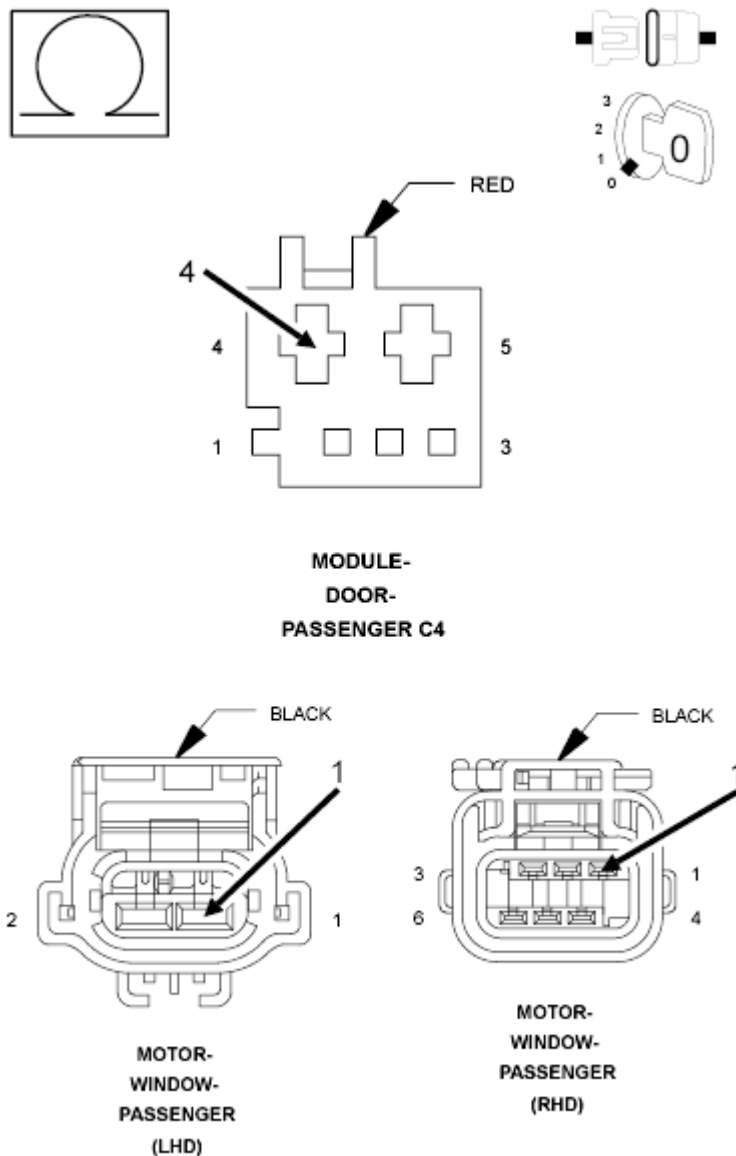
No

- Repair the (Q22) Passenger Window Driver Down circuit for an open.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

Yes

- Go to step 4

4. (Q12) PASSENGER WINDOW DRIVER UP CIRCUIT OPEN



103916

Fig. 28: Checking Passenger Window Driver Up Circuit Open
 Courtesy of CHRYSLER LLC

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

1. Measure the resistance of the (Q12) Passenger Window Driver Up circuit between the C4 module connector and the motor connector.

Is the resistance below 2.0 ohms?

No

- Repair the (Q12) Passenger Window Driver Up circuit for an open.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

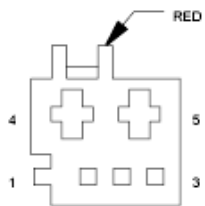
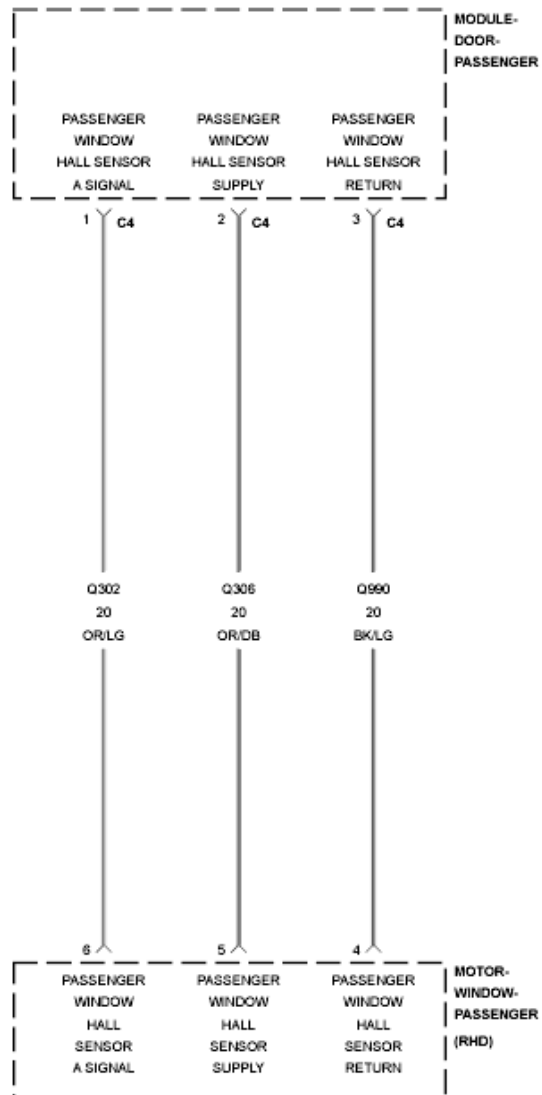
Yes

- Replace the Passenger Door Module in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

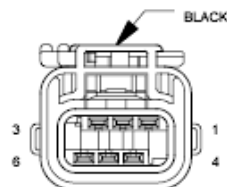
B1863-PASSENGER WINDOW POSITION SENSOR POWER SUPPLY LOW - RHD ONLY

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey



MODULE-
DOOR-
PASSENGER C4



MOTOR-
WINDOW-
PASSENGER
(RHD)

Fig. 29: Passenger Window Hall Sensor Supply Circuit Schematic
 Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS**.

- **When Monitored:**

Whenever the module is awake.

- **Set Condition:**

When the Passenger Window Hall Sensor Supply circuit falls below 0.8 volts for over 480 ms., this code will set.

Possible Causes
(Q306) PASSENGER WINDOW HALL SENSOR SUPPLY CIRCUIT SHORT TO GROUND WINDOW MOTOR SHORTED PASSENGER DOOR MODULE (PDM)

Diagnostic Test

1. TEST FOR INTERMITTENT CONDITION

1. Turn the ignition on.
2. With the scan tool, record and erase DTCs
3. Operate the Passenger Window up and down several times.
4. Wait 30 seconds.
5. With the scan tool, read DTCs.

Does the scan tool display B1863-PASSENGER WINDOW POSITION SENSOR POWER SUPPLY LOW?

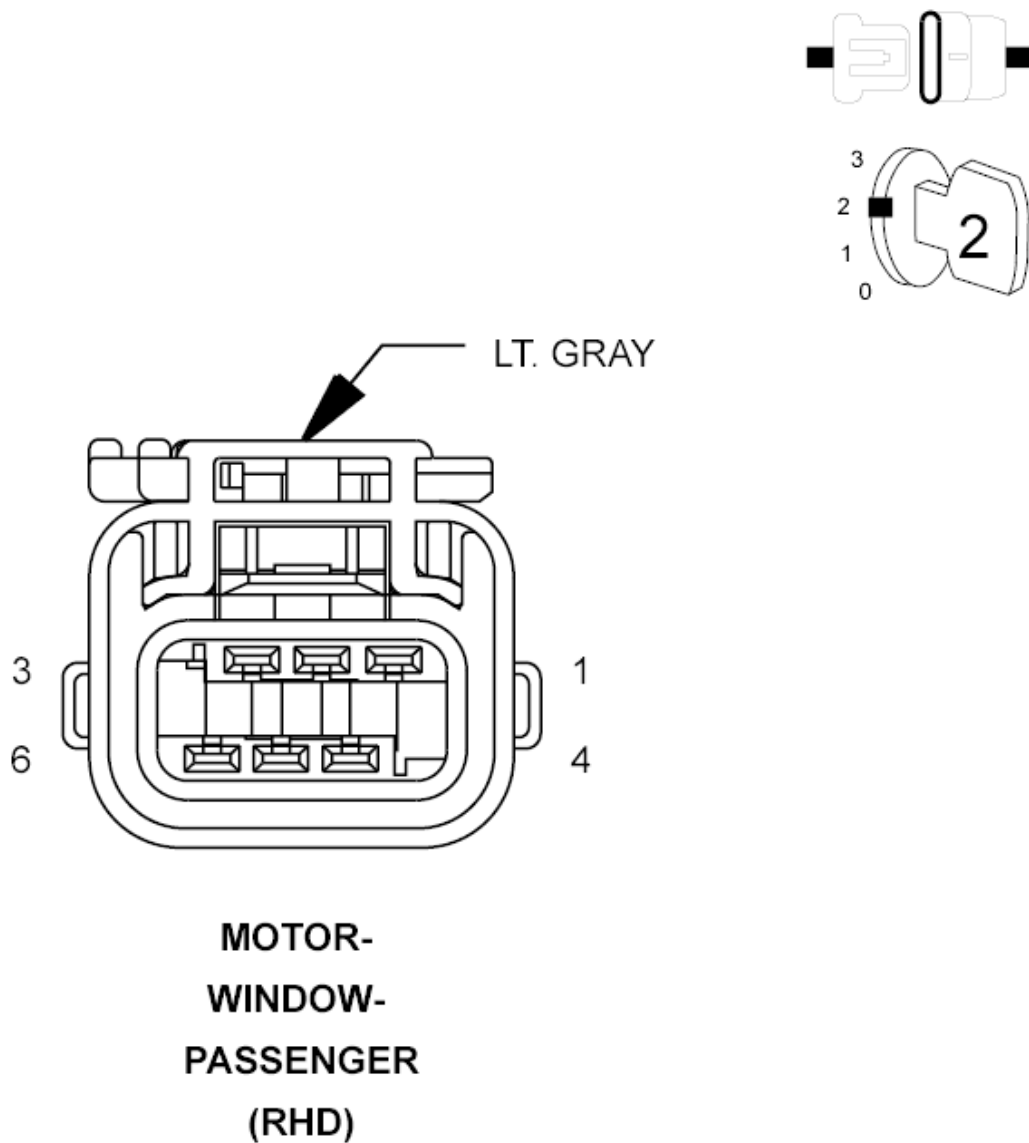
Yes

- Go to step 2

No

- The conditions that caused this code to set are not present at this time. Using the **SYSTEM WIRING DIAGRAMS** as a guide, inspect the wiring and connectors.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.

2. WINDOW MOTOR SHORTED



103922

Fig. 30: Checking Passenger Express Window Motor Connector
 Courtesy of CHRYSLER LLC

1. With the scan tool, erase DTCs.
2. Turn the ignition off.
3. Disconnect the Passenger Express Window Motor connector.
4. Turn the ignition on.
5. Operate the passenger window switch up and down several times.
6. With the scan tool, read DTCs.

Does the scan tool display B1863-PASSENGER WINDOW POSITION SENSOR POWER

SUPPLY LOW?

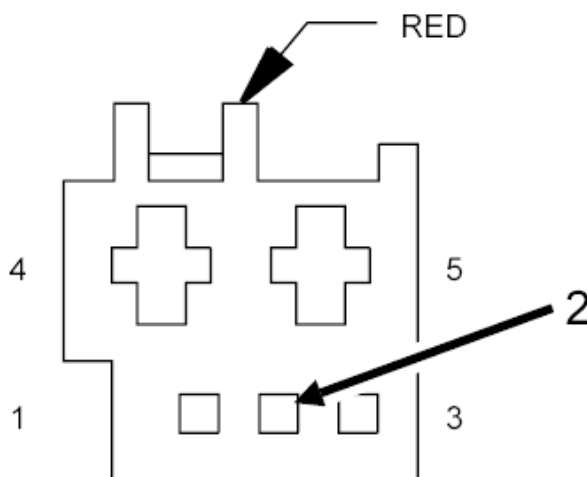
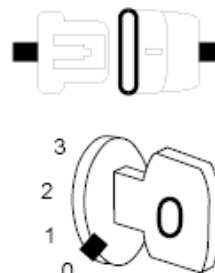
No

- Replace the Window Motor (regulator) in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.

Yes

- Go to step 3

3. (Q306) PASSENGER WINDOW HALL SENSOR SUPPLY CIRCUIT SHORT TO GROUND



MODULE-
DOOR-
PASSENGER C4

74211

Fig. 31: Checking Passenger Window Hall Sensor Supply Circuit Short To Ground

Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Disconnect the Passenger Door Module C4 connector.
3. Measure the resistance between Ground and the (Q306) Passenger Window Hall Sensor Supply circuit.

Is the resistance below 1,000 ohms?

Yes

- Repair the (Q306) Passenger Window Hall Sensor Supply circuit for a short to ground.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

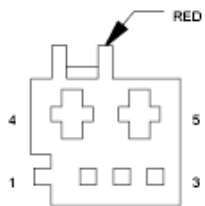
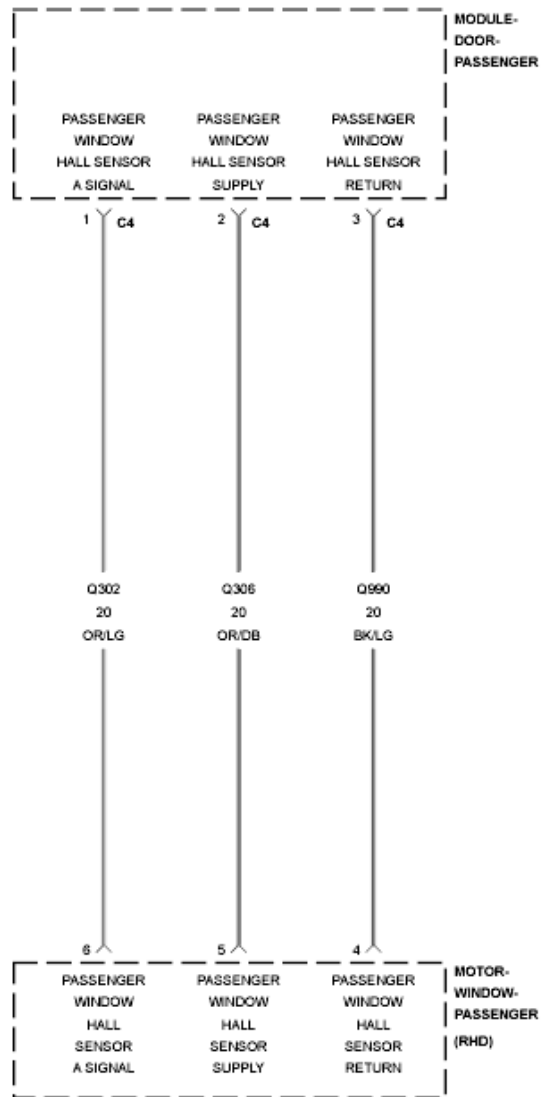
No

- Replace the Passenger Door Module in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

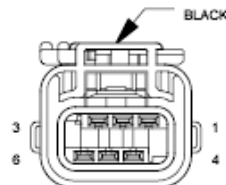
B1864-PASSENGER WINDOW POSITION SENSOR POWER SUPPLY HIGH - RHD ONLY

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey



MODULE-
DOOR-
PASSENGER C4



MOTOR-
WINDOW-
PASSENGER
(RHD)

Fig. 32: Passenger Window Hall Sensor Supply Circuit Schematic
 Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS**.

- **When Monitored:**

Whenever the power is turned off to the module and it goes from being awake to sleep mode.

- **Set Condition:**

When the Passenger Window Hall Sensor Supply circuit is above 1.5 volts for over 15 ms. and the power to the module has been turned off, this code will set.

Possible Causes
(Q306) PASSENGER WINDOW HALL SENSOR SUPPLY CIRCUIT SHORT TO VOLTAGE PASSENGER DOOR MODULE (PDM)

Diagnostic Test

1. TEST FOR INTERMITTENT CONDITION

1. Turn the ignition on.
2. With the scan tool, record and erase DTCs
3. Operate the Passenger Window up and down several times.
4. Wait 30 seconds.
5. With the scan tool, read the stored DTCs.

Does the scan tool display B1864-PASSENGER WINDOW POSITION SENSOR POWER SUPPLY HIGH?

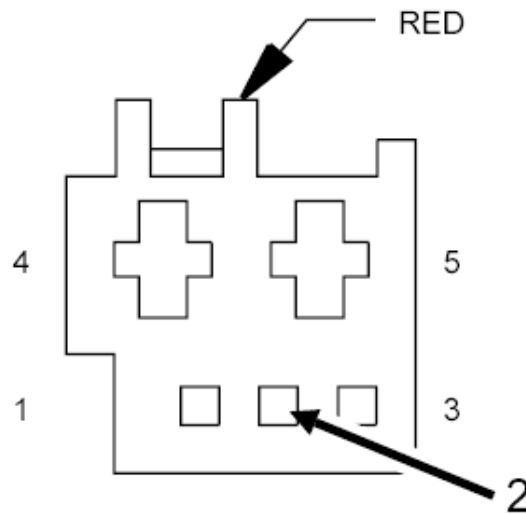
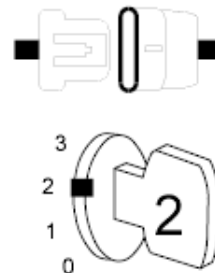
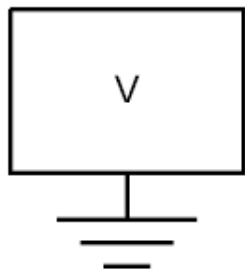
Yes

- Go to step 2

No

- The conditions that caused this code to set are not present at this time. Using the **SYSTEM WIRING DIAGRAMS** as a guide, inspect the wiring and connectors.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.

2. (Q306) PASSENGER WINDOW HALL SENSOR SUPPLY CIRCUIT SHORT TO VOLTAGE



MODULE-
DOOR-
PASSENGER C4

74215

Fig. 33: Checking Passenger Window Hall Sensor Supply Circuit Short To Voltage
Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Disconnect the Passenger Door Module C4 connector.
3. Turn the ignition on.
4. Measure the voltage between the (Q306) Passenger Window Hall Sensor Supply circuit and Ground.

Is there any voltage present?

Yes

- Repair the (Q306) Passenger Window Hall Sensor Supply circuit for a short to voltage.

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

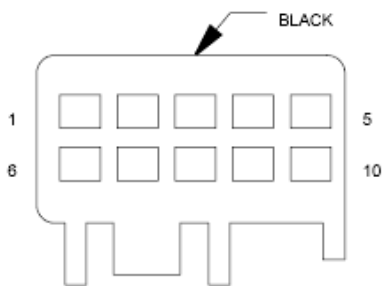
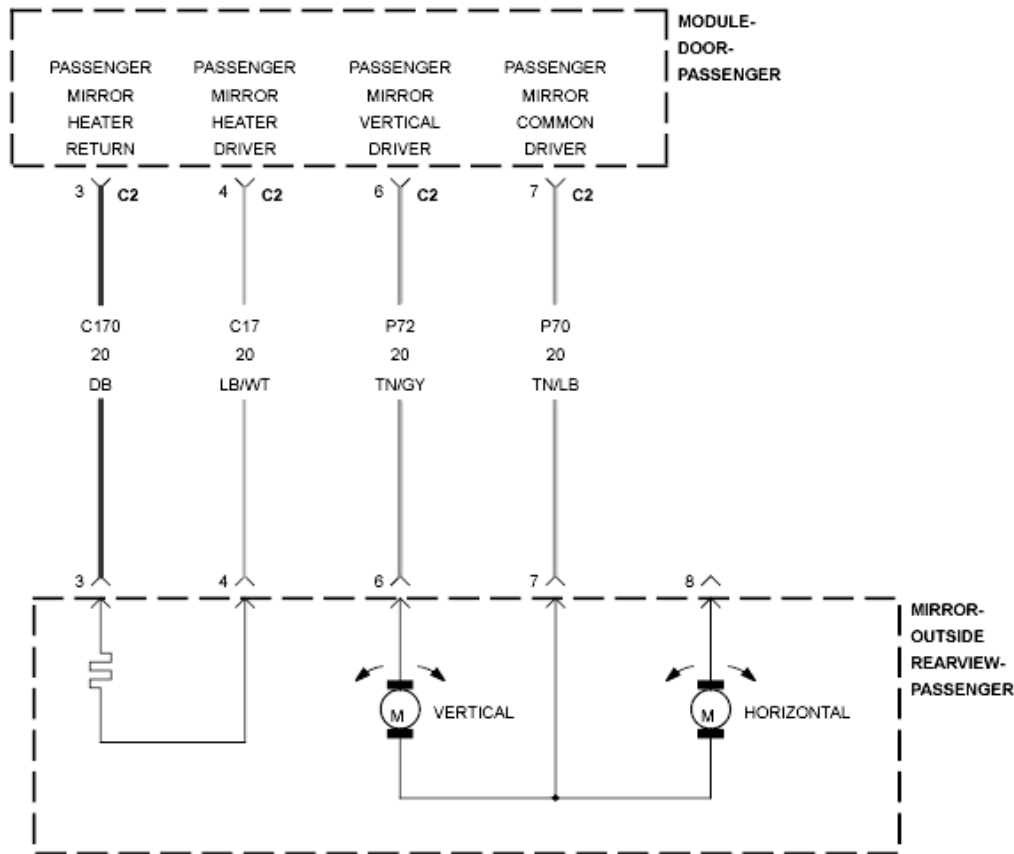
No

- Replace the Passenger Door Module in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

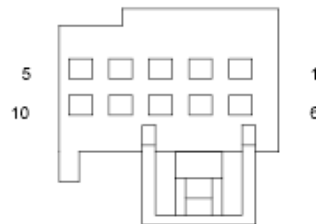
B1D2B-PASSENGER MIRROR VERTICAL MOTOR CONTROL CIRCUIT LOW

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey



MODULE-
DOOR-
PASSENGER C2
(EXPRESS)



MIRROR-
OUTSIDE REARVIEW-
PASSENGER
(EXPRESS)
(COMPONENT SIDE)

Fig. 34: Passenger Mirror Vertical Driver Circuit Schematic
Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

- **When Monitored:**

Continuously.

- **Set Condition:**

When the Passenger Door Module (PDM) senses a short low on the (P72) Passenger Mirror Vertical Driver circuit for more than 10 ms.

Possible Causes
(P72) PASSENGER MIRROR VERTICAL DRIVER CIRCUIT SHORTED TO GROUND
(P72) PASSENGER MIRROR VERTICAL DRIVER CIRCUIT SHORTED TO (C170) PASSENGER MIRROR HEATER RETURN CIRCUIT
PASSENGER OUTSIDE REARVIEW MIRROR SHORTED
PASSENGER DOOR MODULE (PDM)

Diagnostic Test

1. TEST FOR INTERMITTENT CONDITION

1. Turn the ignition on.
2. With the scan tool, record and erase Diagnostic Trouble Codes (DTCs).
3. Press and release the Mirror Select switch to select the Passenger Outside Rearview Mirror.
4. Operate the Mirror Adjust switch in all directions several times.
5. Cycle the ignition from on to off three times.
6. Turn the ignition on.
7. With the scan tool, read DTCs.

Does the scan tool display DTC B1D2B-PASSENGER MIRROR VERTICAL MOTOR CONTROL CIRCUIT LOW?

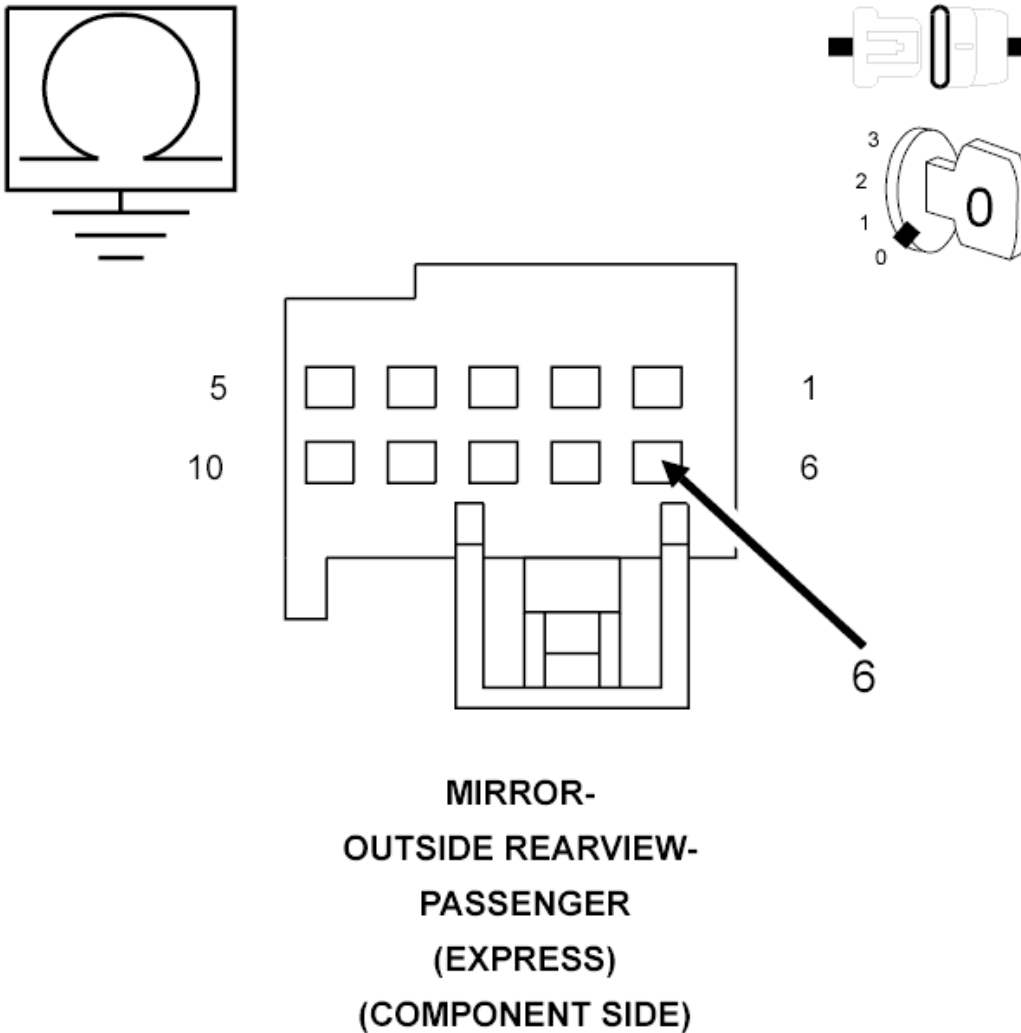
Yes

- Go to step 2

No

- The conditions that caused this code to set are not present at this time. For vehicle's equipped with folding outside rearview mirrors, repeat test with mirror folded. If DTC is now active, Go To 2. Otherwise, use the **SYSTEM WIRING DIAGRAMS** as a guide and inspect the wiring and connectors.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

2. CHECK (P72) PASSENGER MIRROR VERTICAL DRIVER CIRCUIT FOR A SHORT TO GROUND



00491567

Fig. 35: Checking Passenger Mirror Vertical Driver Circuit For A Short To Ground
Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Disconnect the Passenger Outside Rearview Mirror (Component Side) connector from the PDM C2 connector.
3. Measure the resistance of the (P72) Passenger Mirror Vertical Driver circuit between ground and the Passenger Outside Rearview Mirror (Component Side) connector.

Is the resistance below 10k ohms?

Yes

- Repair the (P72) Passenger Mirror Vertical Driver circuit for a short to ground. If the wiring harness and connector are okay, replace the Passenger Outside Rearview Mirror in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

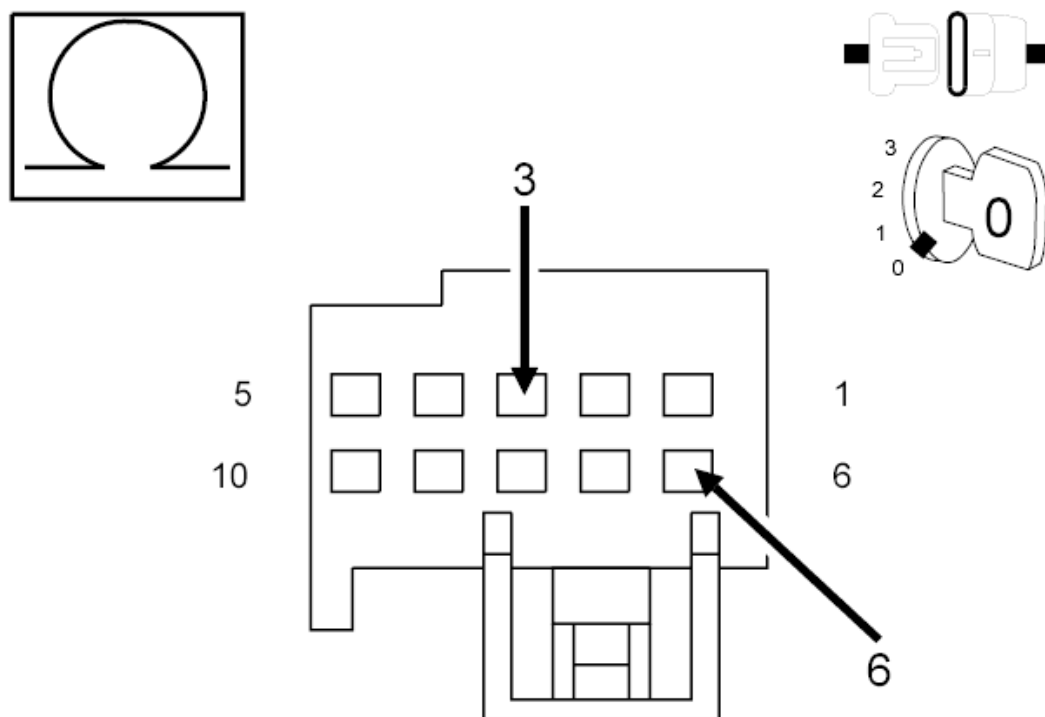
No, with Heated Mirrors

- Go to step 3

No, without Heated Mirrors

- Replace the Passenger Door Module (PDM) in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

3. **CHECK (P72) PASSENGER MIRROR VERTICAL DRIVER CIRCUIT FOR A SHORT TO (C170) PASSENGER MIRROR HEATER RETURN CIRCUIT**



**MIRROR-
OUTSIDE REARVIEW-
PASSENGER
(EXPRESS)
(COMPONENT SIDE)**

00491607

Fig. 36: Checking Passenger Mirror Vertical Driver Circuit For A Short To Passenger Mirror Heater Return Circuit

Courtesy of CHRYSLER LLC

1. Measure the resistance between the (P72) Passenger Mirror Vertical Driver circuit and the (C170) Passenger Mirror Heater Return circuit at the Passenger Outside Rearview Mirror (Component Side) connector.

Is the resistance below 10k ohms?

Yes

- Repair the (P72) Passenger Mirror Vertical Driver circuit for a short to the (C170) Passenger Mirror Heater Return circuit. If the wiring harness and connector are okay, replace the Passenger Outside Rearview Mirror in accordance with the Service Information.

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

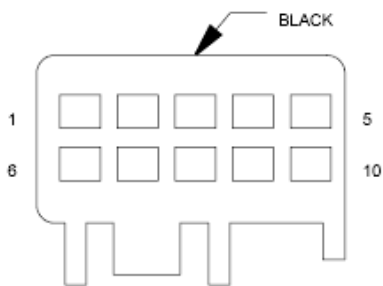
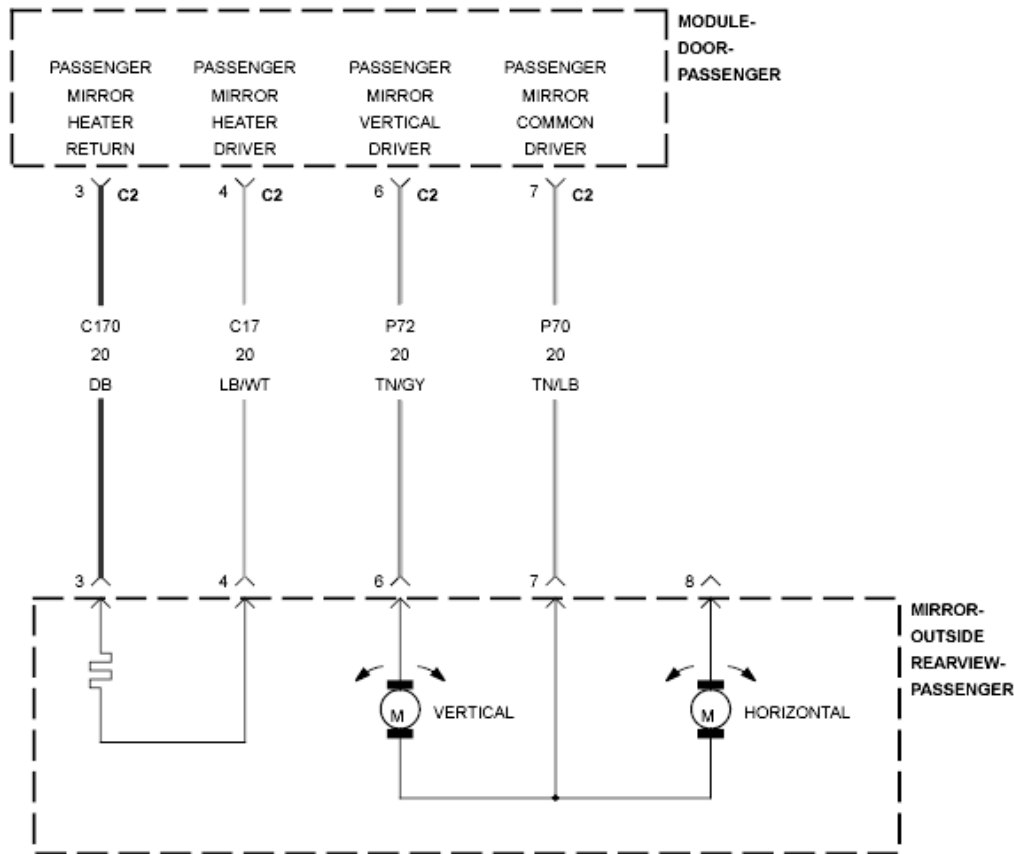
No

- Replace the Passenger Door Module (PDM) in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

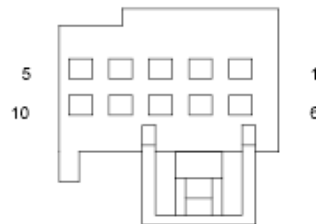
B1D2C-PASSENGER MIRROR VERTICAL MOTOR CONTROL CIRCUIT HIGH

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey



MODULE-
DOOR-
PASSENGER C2
(EXPRESS)



MIRROR-
OUTSIDE REARVIEW-
PASSENGER
(EXPRESS)
(COMPONENT SIDE)

Fig. 37: Passenger Mirror Vertical Driver Circuit Schematic
Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS**.

- **When Monitored:**

Continuously.

- **Set Condition:**

When the Passenger Door Module (PDM) senses voltage on the (P72) Passenger Mirror Vertical Driver circuit for more than 10 ms when no voltage should be present.

Possible Causes
(P72) PASSENGER MIRROR VERTICAL DRIVER CIRCUIT SHORTED TO (C17) PASSENGER MIRROR HEATER DRIVER CIRCUIT
(P72) PASSENGER MIRROR VERTICAL DRIVER CIRCUIT SHORTED TO VOLTAGE
PASSENGER OUTSIDE REARVIEW MIRROR SHORTED
PASSENGER DOOR MODULE (PDM)

Diagnostic Test

1. TEST FOR INTERMITTENT CONDITION

1. Turn the ignition on.
2. With the scan tool, record and erase Diagnostic Trouble Codes (DTCs).
3. For vehicles equipped with heated mirrors, turn the rear defogger ON.
4. Press and release the Mirror Select switch to select the Passenger Outside Rearview Mirror.
5. Operate the Mirror Adjust switch in all directions several times.
6. With the scan tool, read DTCs.

Does the scan tool display DTC B1D2C-PASSENGER MIRROR VERTICAL MOTOR CONTROL CIRCUIT HIGH?

Yes, with Heated Mirrors

- Go to step 2

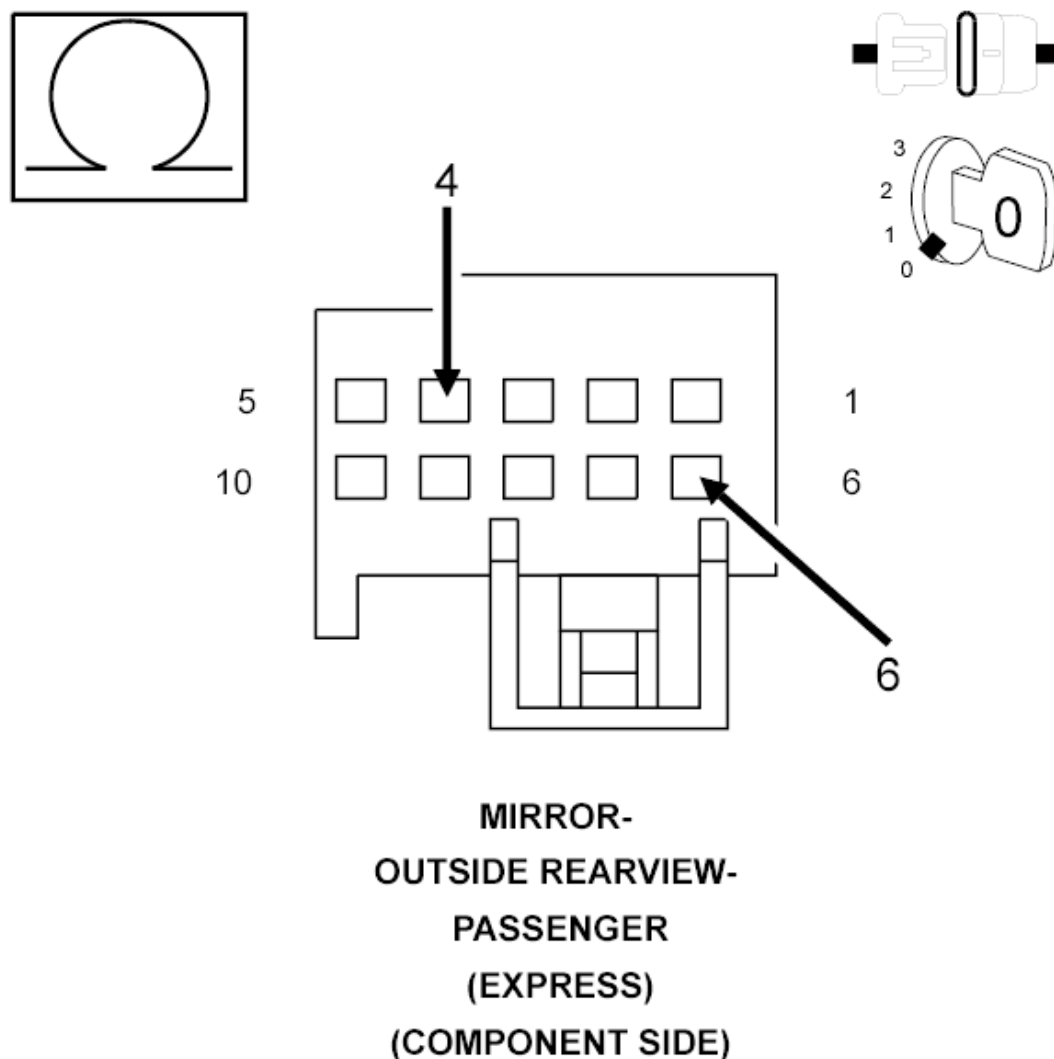
Yes, without Heated Mirrors

- Go to step 3

No

- The conditions that caused this code to set are not present at this time. For vehicle's equipped with folding outside rearview mirrors, repeat test with mirror folded. If DTC is now active, Go To 2 (with heated mirrors) or 3 (without heated mirrors). Otherwise, use the **SYSTEM WIRING DIAGRAMS** as a guide and inspect the wiring and connectors.

- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.
2. **CHECK (P72) PASSENGER MIRROR VERTICAL DRIVER CIRCUIT FOR A SHORT TO (C17) PASSENGER MIRROR HEATER DRIVER CIRCUIT**



00491704

Fig. 38: Checking Passenger Mirror Vertical Driver Circuit For A Short To Passenger Mirror Heater Driver Circuit

Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Disconnect the Passenger Outside Rearview Mirror (Component Side) connector from the PDM C2 connector.
3. Measure the resistance between the (P72) Passenger Mirror Vertical Driver circuit and the (C17) Passenger Mirror Heater Driver circuit and the Passenger Outside Rearview Mirror (Component

Side) connector.

Is the resistance below 10k ohms?

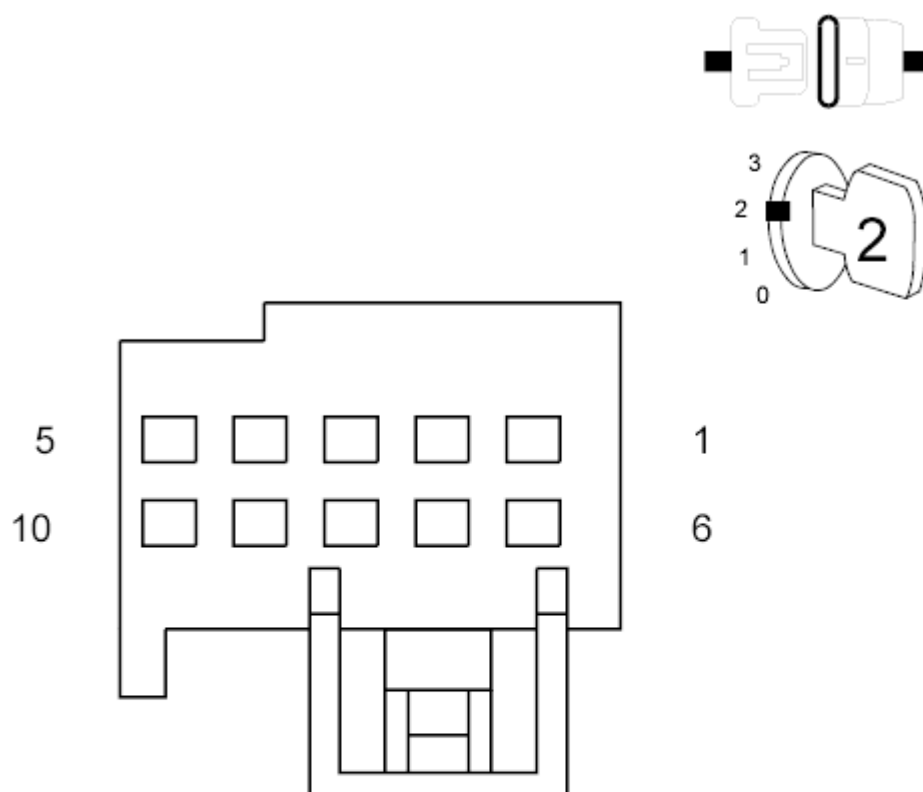
Yes

- Repair the (P72) Passenger Mirror Vertical Driver circuit for a short to the (C17) Passenger Mirror Heater Driver circuit. If the wiring harness and connector are okay, replace the Passenger Outside Rearview Mirror in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

No

- Go to step 3

3. CHECK (P72) PASSENGER MIRROR VERTICAL DRIVER CIRCUIT FOR A SHORT TO VOLTAGE



**MIRROR-
OUTSIDE REARVIEW-
PASSENGER
(EXPRESS)
(COMPONENT SIDE)**

00491733

Fig. 39: Checking Passenger Mirror Vertical Driver Circuit For A Short To Voltage
Courtesy of CHRYSLER LLC

1. If not done previously, turn the ignition off.
2. If not done previously, disconnect the Passenger Outside Rearview Mirror (Component Side) connector from the PDM C2 connector.
3. Turn the ignition on.
4. With the scan tool, erase DTCs.
5. Press and release the Mirror Select switch to select the Passenger Outside Rearview Mirror.
6. Operate the Mirror Adjust switch in all directions several times.
7. With the scan tool, read DTCs.

Does the scan tool display DTC B1D2C-PASSENGER MIRROR VERTICAL MOTOR CONTROL CIRCUIT HIGH?

Yes

- Replace the Passenger Door Module (PDM) in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

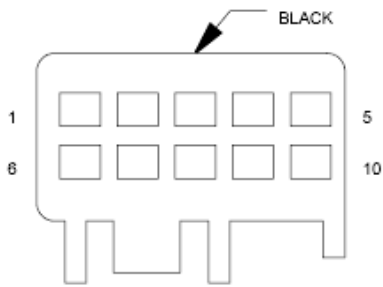
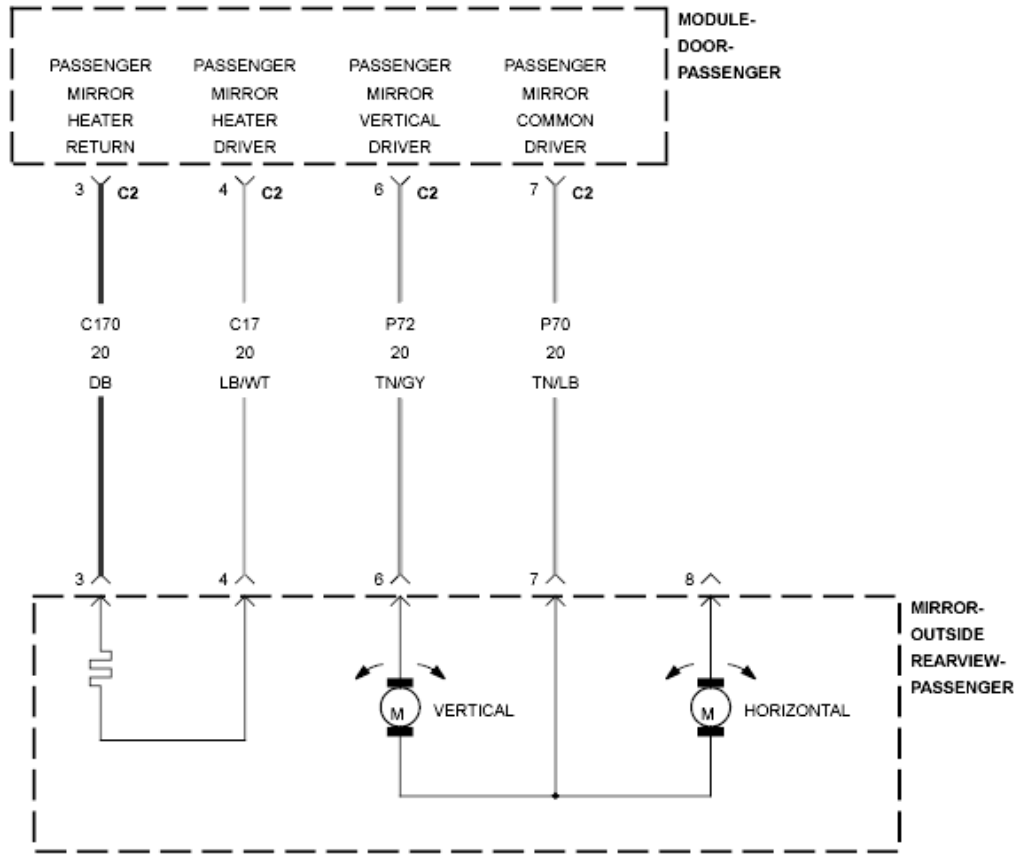
No

- Repair the (P72) Passenger Mirror Vertical Driver circuit for a short to voltage. If the wiring harness and connector are okay, replace the Passenger Outside Rearview Mirror in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

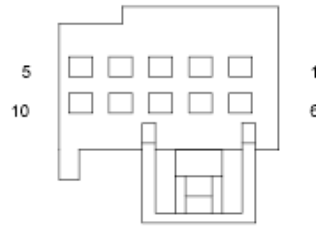
B1D2D-PASSENGER MIRROR VERTICAL MOTOR CONTROL CIRCUIT OPEN

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey



MODULE-
DOOR-
PASSENGER C2
(EXPRESS)



MIRROR-
OUTSIDE REARVIEW-
PASSENGER
(EXPRESS)
(COMPONENT SIDE)

Fig. 40: Passenger Mirror Vertical Driver Circuit Schematic
Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

- **When Monitored:**

Continuously.

- **Set Condition:**

When the Passenger Door Module (PDM) senses that the (P72) Passenger Mirror Vertical Driver circuit or the (P70) Passenger Mirror Common Driver circuit is open for more than 10 ms.

Possible Causes
(P72) PASSENGER MIRROR VERTICAL DRIVER CIRCUIT OPEN
(P70) PASSENGER MIRROR COMMON DRIVER CIRCUIT OPEN
PASSENGER OUTSIDE REARVIEW MIRROR OPEN
PASSENGER DOOR MODULE (PDM)

Diagnostic Test

1. TEST FOR INTERMITTENT CONDITION

1. Turn the ignition on.
2. With the scan tool, record and erase Diagnostic Trouble Codes (DTCs).
3. Press and release the Mirror Select switch to select the Passenger Outside Rearview Mirror.
4. Operate the Mirror Adjust switch in all directions several times.
5. Cycle the ignition from on to off three times.
6. Turn the ignition on.
7. With the scan tool, read DTCs.

Does the scan tool display DTC B1D2D-PASSENGER MIRROR VERTICAL MOTOR CONTROL CIRCUIT OPEN?

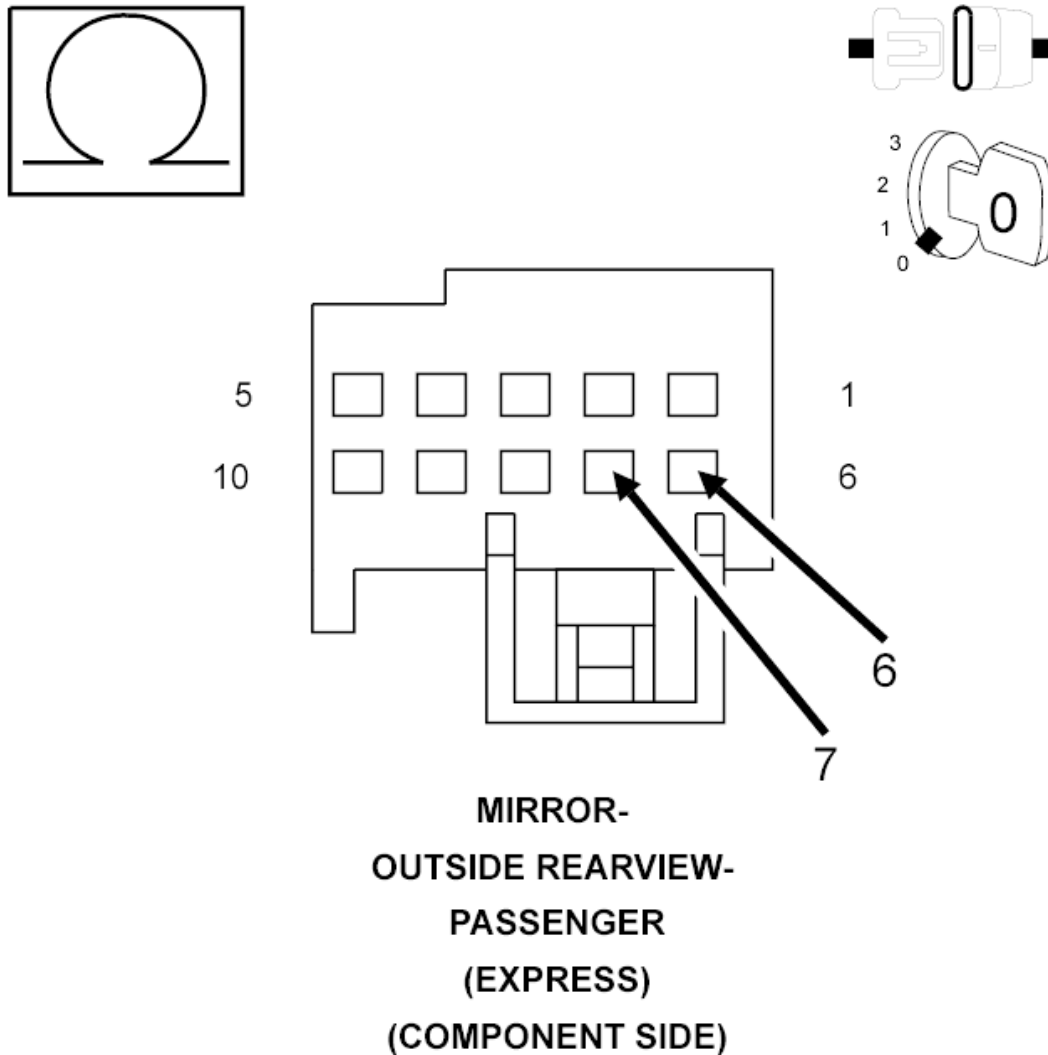
Yes

- Go to step 2

No

- The conditions that caused this code to set are not present at this time. For vehicle's equipped with folding outside rearview mirrors, repeat test with mirror folded. If DTC is now active, Go To 2. Otherwise, use the **SYSTEM WIRING DIAGRAMS** as a guide and inspect the wiring and connectors.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

2. CHECK (P72) PASSENGER MIRROR VERTICAL DRIVER CIRCUIT AND (P70) PASSENGER

MIRROR COMMON DRIVER CIRCUIT FOR AN OPEN

00491772

Fig. 41: Checking Passenger Mirror Vertical Driver Circuit & Passenger Mirror Common Driver Circuit For An Open

Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Disconnect the Passenger Outside Rearview Mirror (Component Side) connector from the PDM C2 connector.
3. Measure the resistance between the (P72) Passenger Mirror Vertical Driver circuit and the (P70) Passenger Mirror Common Driver circuit at the Passenger Outside Rearview Mirror (Component Side) connector.

Is the resistance between 25 and 150 ohms?

Yes

- Replace the Passenger Door Module (PDM) in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

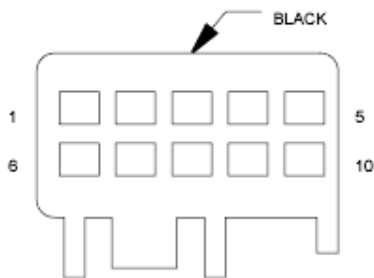
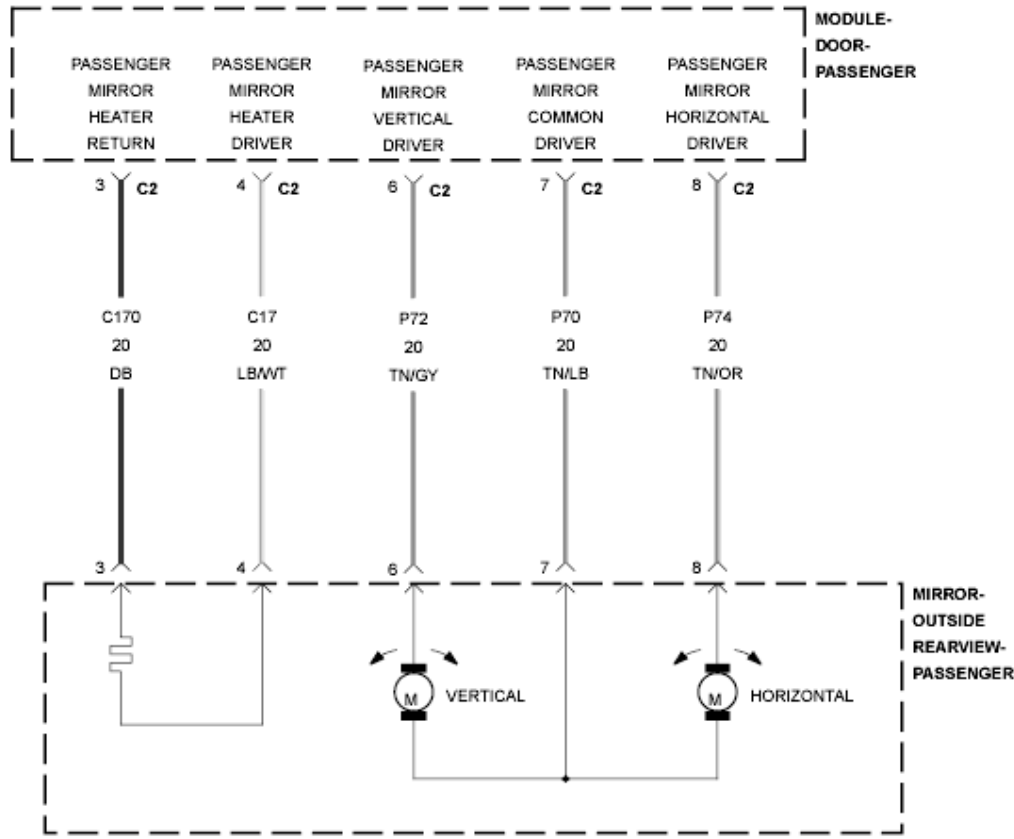
No

- Repair the (P72) Passenger Mirror Vertical Driver circuit or the (P70) Passenger Mirror Common Driver circuit for an open. If the wiring harness and connector are okay, replace the Passenger Outside Rearview Mirror in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

B1D2F-PASSENGER MIRROR HORIZONTAL MOTOR CONTROL CIRCUIT LOW

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey



MODULE-DOOR-PASSENGER C2 (EXPRESS)



MIRROR-OUTSIDE REARVIEW-PASSENGER (EXPRESS) (COMPONENT SIDE)

Fig. 42: Passenger Mirror Horizontal Driver Circuit Schematic
 Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS**.

- **When Monitored:**

Continuously.

- **Set Condition:**

When the Passenger Door Module (PDM) senses a short low on the (P74) Passenger Mirror Horizontal Driver circuit for more than 10 ms.

Possible Causes
(P74) PASSENGER MIRROR HORIZONTAL DRIVER CIRCUIT SHORTED TO GROUND
(P74) PASSENGER MIRROR HORIZONTAL DRIVER CIRCUIT SHORTED TO (C170)
PASSENGER MIRROR HEATER RETURN CIRCUIT
PASSENGER OUTSIDE REARVIEW MIRROR SHORTED
PASSENGER DOOR MODULE (PDM)

Diagnostic Test

1. TEST FOR INTERMITTENT CONDITION

1. Turn the ignition on.
2. With the scan tool, record and erase Diagnostic Trouble Codes (DTCs).
3. Press and release the Mirror Select switch to select the Passenger Outside Rearview Mirror.
4. Operate the Mirror Adjust switch in all directions several times.
5. Cycle the ignition from on to off three times.
6. Turn the ignition on.
7. With the scan tool, read DTCs.

Does the scan tool display DTC B1D2F-PASSENGER MIRROR HORIZONTAL MOTOR CONTROL CIRCUIT LOW?

Yes

- Go to step 2

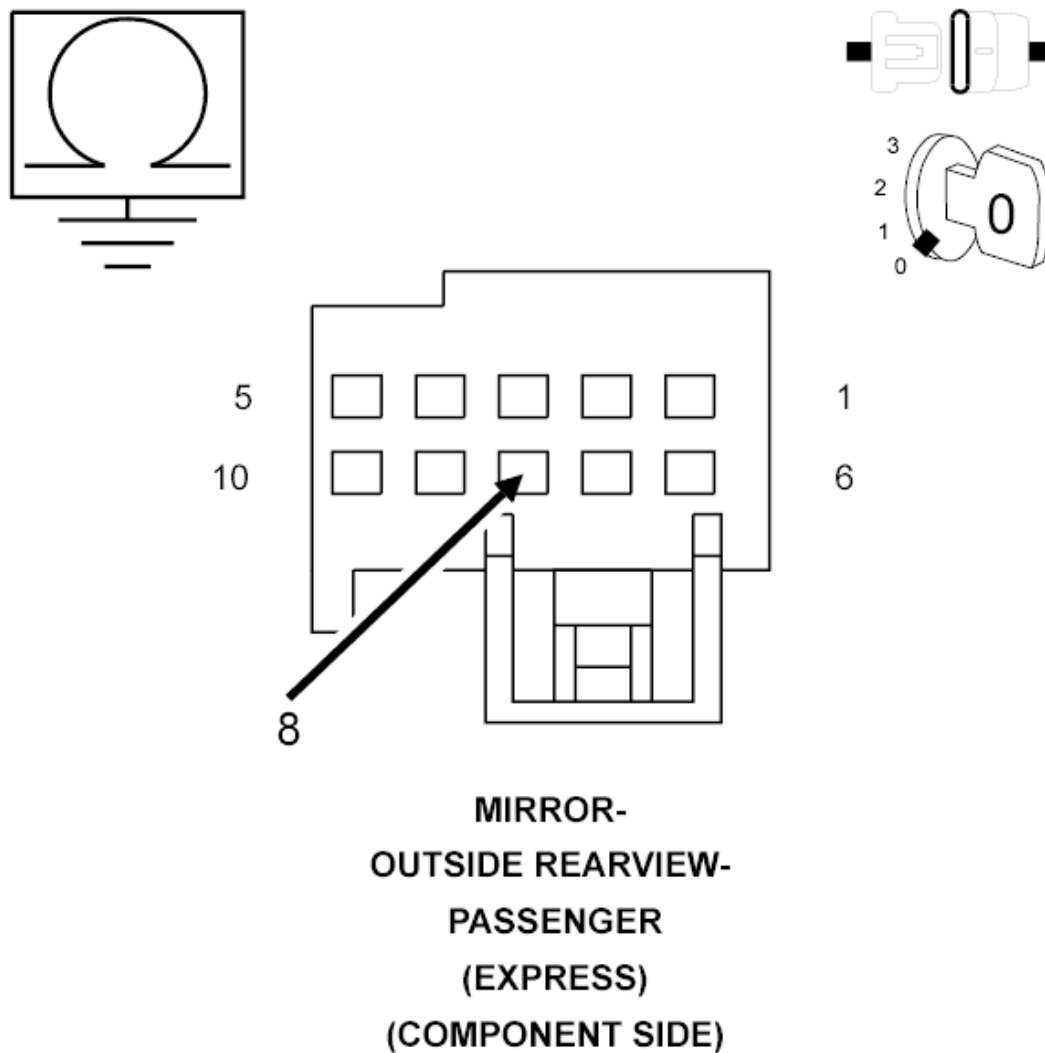
No

- The conditions that caused this code to set are not present at this time. For vehicle's equipped with folding outside rearview mirrors, repeat test with mirror folded. If DTC is now active, Go To 2. Otherwise, use the **SYSTEM WIRING DIAGRAMS** as a guide and inspect the

wiring and connectors.

- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.

2. CHECK (P74) PASSENGER MIRROR HORIZONTAL DRIVER CIRCUIT FOR A SHORT TO GROUND



00492053

Fig. 43: Checking Passenger Mirror Horizontal Driver Circuit For A Short To Ground
 Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Disconnect the Passenger Outside Rearview Mirror (Component Side) connector from the PDM C2 connector.
3. Measure the resistance of the (P74) Passenger Mirror Horizontal Driver circuit between ground and the Passenger Outside Rearview Mirror (Component Side) connector.

Is the resistance below 10k ohms?

Yes

- Repair the (P74) Passenger Mirror Horizontal Driver circuit for a short to ground. If the wiring harness and connector are okay, replace the Passenger Outside Rearview Mirror in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

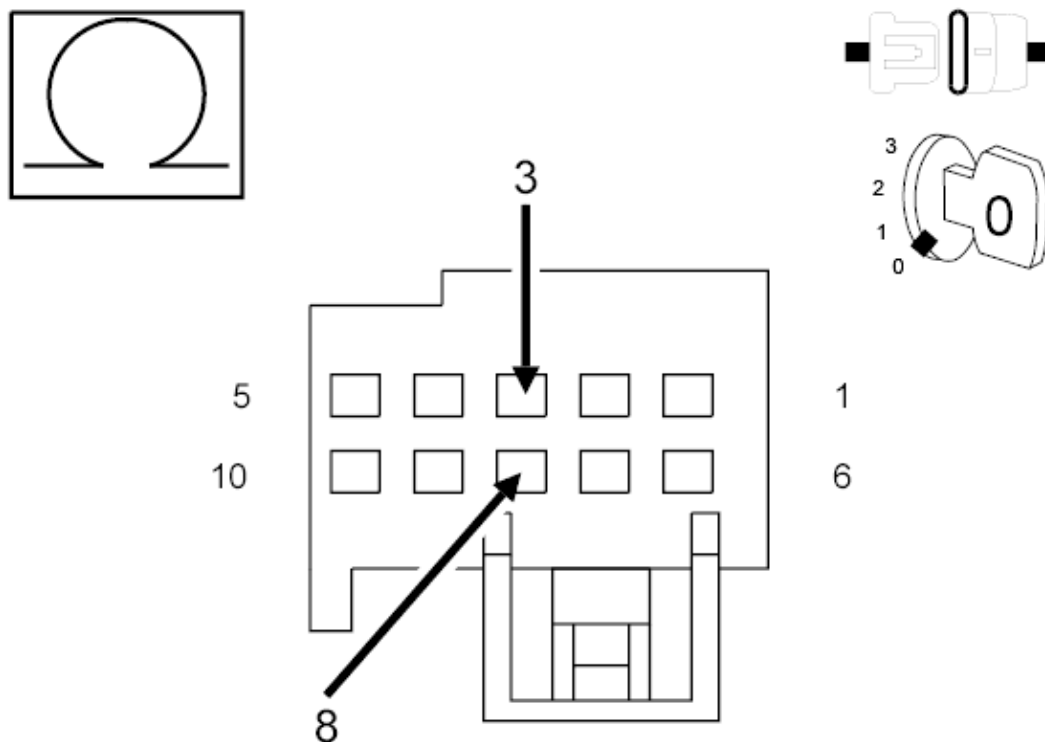
No, with Heated Mirrors

- Go to step 3

No, without Heated Mirrors

- Replace the Passenger Door Module (PDM) in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

3. **CHECK (P74) PASSENGER MIRROR HORIZONTAL DRIVER CIRCUIT FOR A SHORT TO (C170) PASSENGER MIRROR HEATER RETURN CIRCUIT**



**MIRROR-
OUTSIDE REARVIEW-
PASSENGER
(EXPRESS)
(COMPONENT SIDE)**

00492064

Fig. 44: Checking Passenger Mirror Horizontal Driver Circuit For A Short To Passenger Mirror Heater Return Circuit

Courtesy of CHRYSLER LLC

1. Measure the resistance between the (P74) Passenger Mirror Horizontal Driver circuit and the (C170) Passenger Mirror Heater Return circuit at the Passenger Outside Rearview Mirror (Component Side) connector.

Is the resistance below 10k ohms?

Yes

- Repair the (P74) Passenger Mirror Horizontal Driver circuit for a short to the (C170) Passenger Mirror Heater Return circuit. If the wiring harness and connector are okay, replace the Passenger Outside Rearview Mirror in accordance with the Service Information.

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

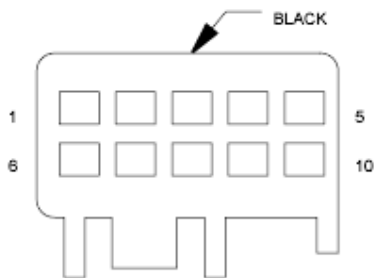
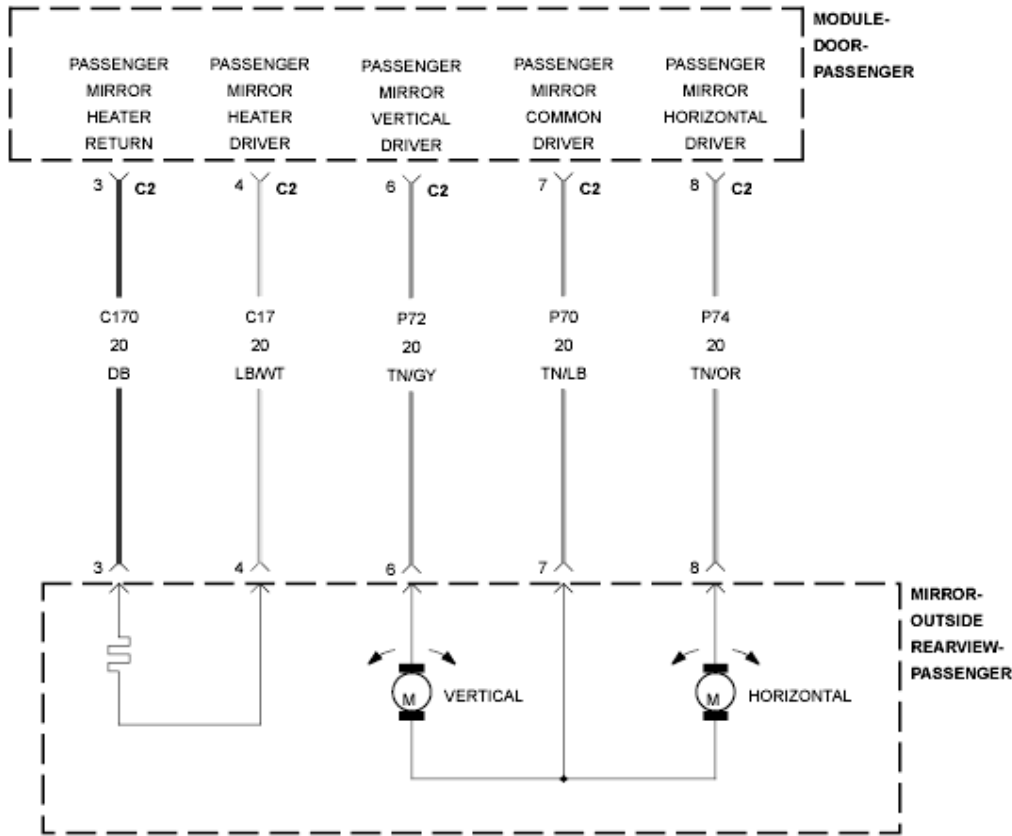
No

- Replace the Passenger Door Module (PDM) in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

B1D30-PASSENGER MIRROR HORIZONTAL MOTOR CONTROL CIRCUIT HIGH

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey



MODULE-DOOR-PASSENGER C2 (EXPRESS)



MIRROR-OUTSIDE REARVIEW-PASSENGER (EXPRESS) (COMPONENT SIDE)

Fig. 45: Passenger Mirror Horizontal Driver Circuit Schematic
 Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS**.

- **When Monitored:**

Continuously.

- **Set Condition:**

When the Passenger Door Module (PDM) senses voltage on the (P74) Passenger Mirror Horizontal Driver circuit for more than 10 ms when no voltage should be present.

Possible Causes
(P74) PASSENGER MIRROR HORIZONTAL DRIVER CIRCUIT SHORTED TO (C17) PASSENGER MIRROR HEATER DRIVER CIRCUIT
(P74) PASSENGER MIRROR HORIZONTAL DRIVER CIRCUIT SHORTED TO VOLTAGE
PASSENGER OUTSIDE REARVIEW MIRROR SHORTED
PASSENGER DOOR MODULE (PDM)

Diagnostic Test

1. TEST FOR INTERMITTENT CONDITION

1. Turn the ignition on.
2. With the scan tool, record and erase Diagnostic Trouble Codes (DTCs).
3. For vehicles equipped with heated mirrors, turn the rear defogger ON.
4. Press and release the Mirror Select switch to select the Passenger Outside Rearview Mirror.
5. Operate the Mirror Adjust switch in all directions several times.
6. With the scan tool, read DTCs.

Does the scan tool display DTC B1D30-PASSENGER MIRROR HORIZONTAL MOTOR CONTROL CIRCUIT HIGH?

Yes, with Heated Mirrors

- Go to step 2

Yes, without Heated Mirrors

- Go to step 3

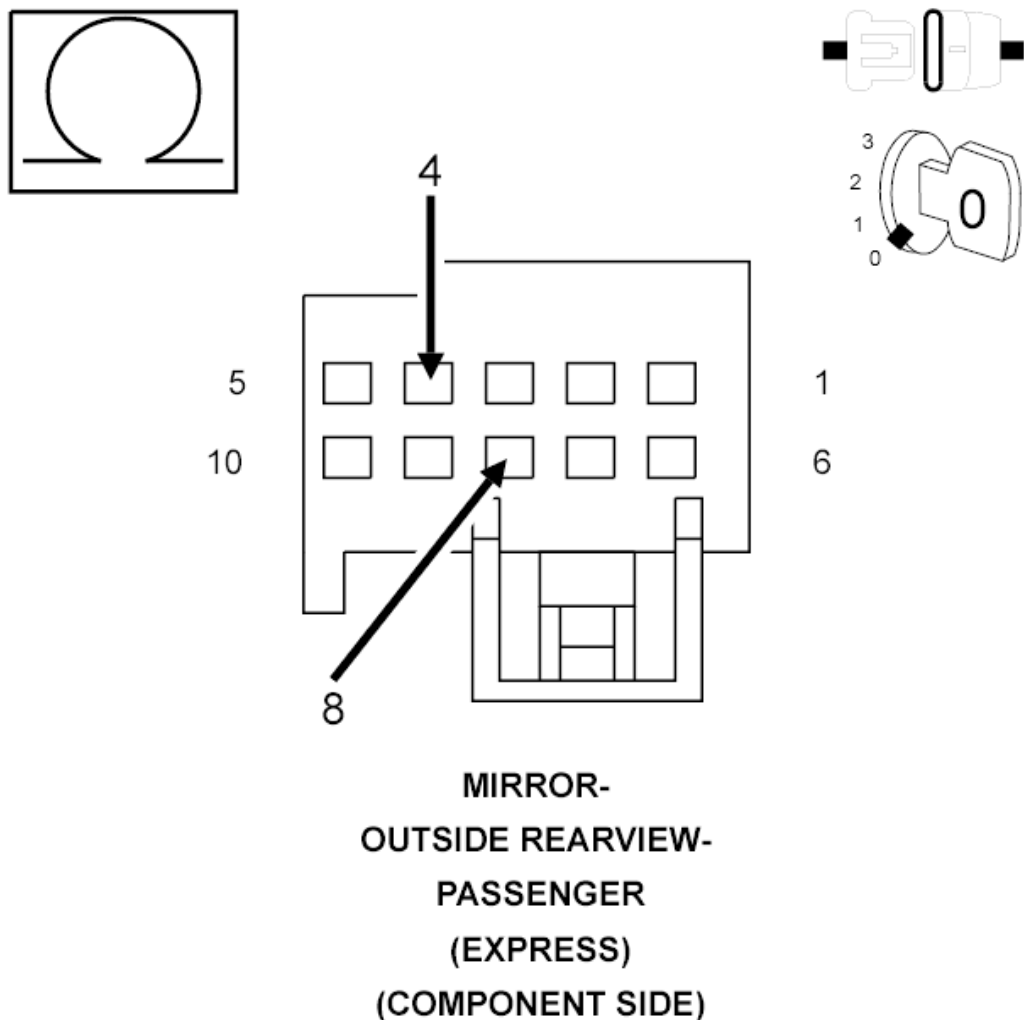
No

The conditions that caused this code to set are not present at this time. For vehicle's equipped

with folding outside rearview mirrors, repeat test with mirror folded. If DTC is now active, Go To 2 (with heated mirrors) or 3 (without heated mirrors). Otherwise, use the **SYSTEM WIRING DIAGRAMS** as a guide and inspect the wiring and connectors.

- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.

2. CHECK (P74) PASSENGER MIRROR HORIZONTAL DRIVER CIRCUIT FOR A SHORT TO (C17) PASSENGER MIRROR HEATER DRIVER CIRCUIT



00492207

Fig. 46: Checking Passenger Mirror Horizontal Driver Circuit For A Short To Passenger Mirror Heater Driver Circuit

Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Disconnect the Passenger Outside Rearview Mirror (Component Side) connector from the PDM C2 connector.

3. Measure the resistance between the (P74) Passenger Mirror Horizontal Driver circuit and the (C17) Passenger Mirror Heater Driver circuit at the Passenger Outside Rearview Mirror (Component Side) connector.

Is the resistance below 10k ohms?

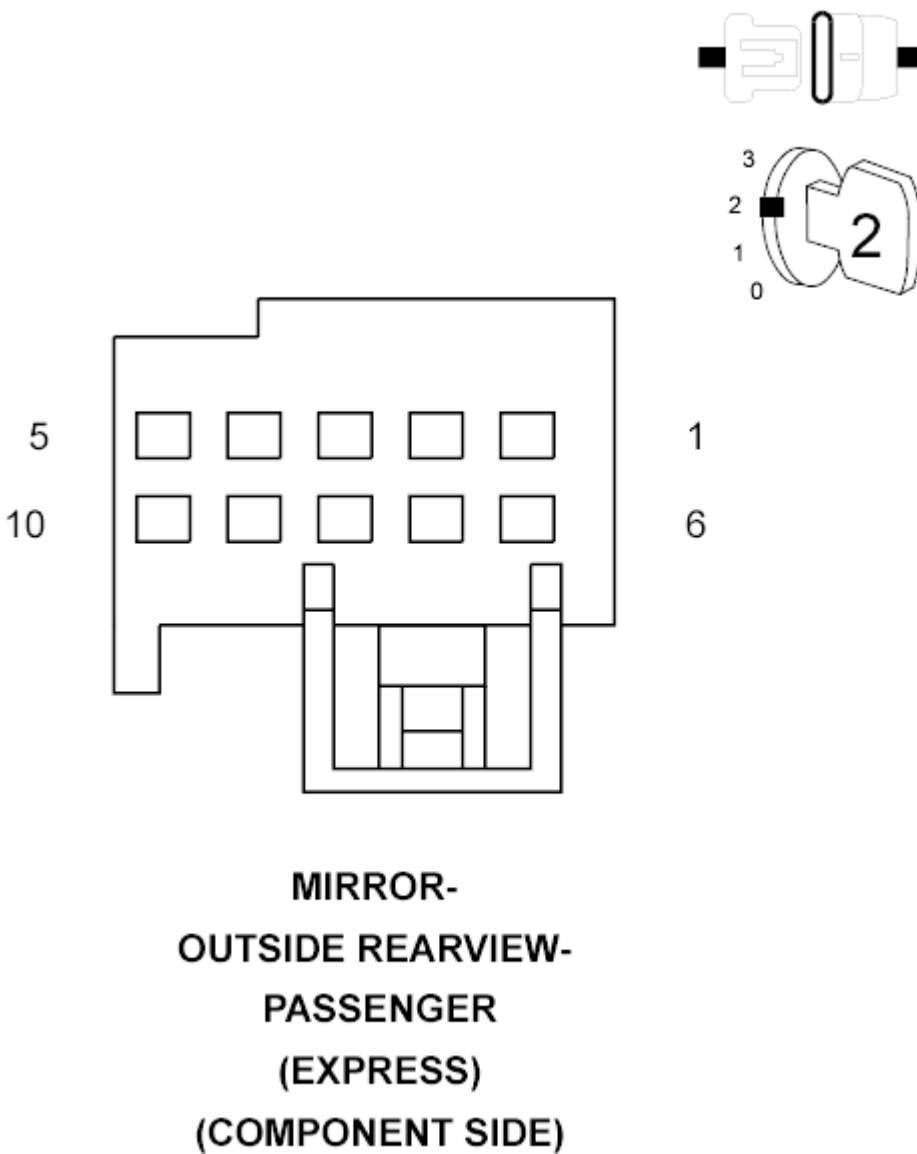
Yes

- Repair the (P74) Passenger Mirror Horizontal Driver circuit for a short to the (C17) Passenger Mirror Heater Driver circuit. If the wiring harness and connector are okay, replace the Passenger Outside Rearview Mirror in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

No

- Go to step 3

3. **CHECK (P74) PASSENGER MIRROR HORIZONTAL DRIVER CIRCUIT FOR A SHORT TO VOLTAGE**



00491733

Fig. 47: Checking Passenger Mirror Vertical Driver Circuit For A Short To Voltage
Courtesy of CHRYSLER LLC

1. If not done previously, turn the ignition off.
2. If not done previously, disconnect the Passenger Outside Rearview Mirror (Component Side) connector from the PDM C2 connector.
3. Turn the ignition on.
4. With the scan tool, erase DTCs.
5. Press and release the Mirror Select switch to select the Passenger Outside Rearview Mirror.
6. Operate the Mirror Adjust switch in all directions several times.
7. With the scan tool, read DTCs.

Does the scan tool display DTC B1D30-PASSENGER MIRROR HORIZONTAL MOTOR CONTROL CIRCUIT HIGH?

Yes

- Replace the Passenger Door Module (PDM) in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

No

- Repair the (P74) Passenger Mirror Horizontal Driver circuit for a short to voltage. If the wiring harness and connector are okay, replace the Passenger Outside Rearview Mirror in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

B1D31-PASSENGER MIRROR HORIZONTAL MOTOR CONTROL CIRCUIT OPEN

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

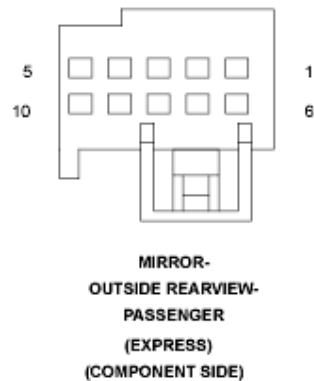
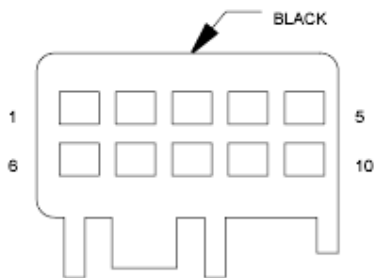
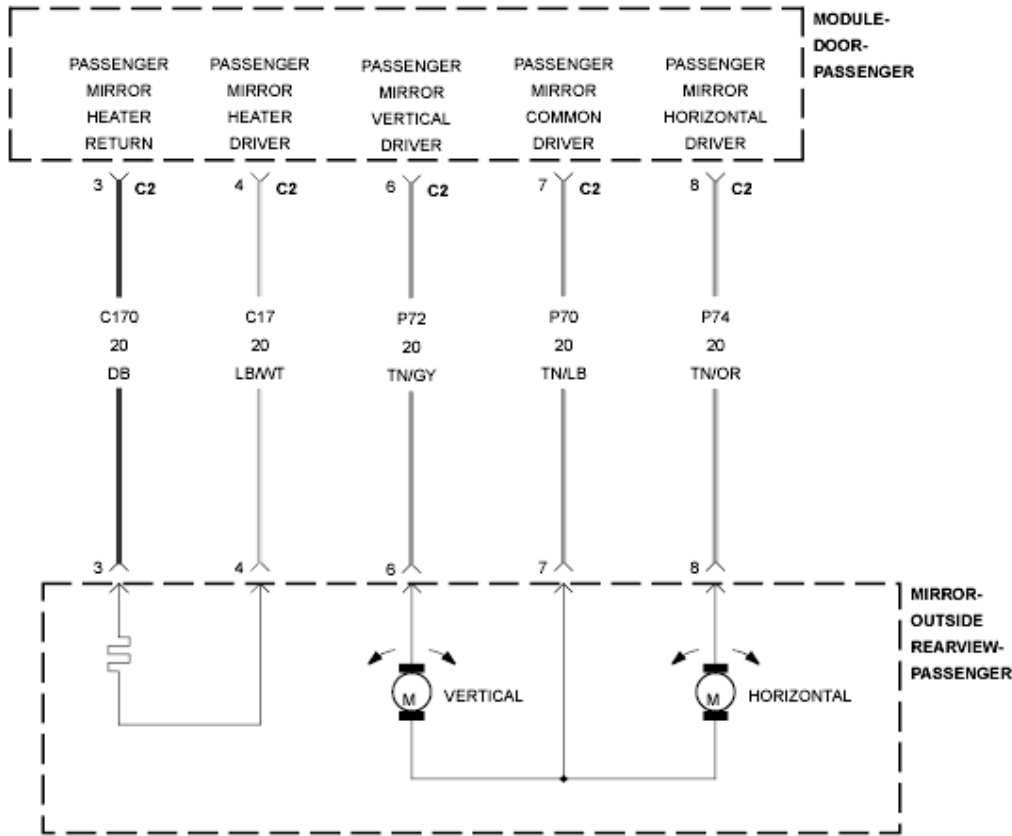


Fig. 48: Passenger Mirror Horizontal Driver Circuit Schematic
Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS**.

- **When Monitored:**

Continuously.

- **Set Condition:**

When the Passenger Door Module (PDM) senses that the (P74) Passenger Mirror Horizontal Driver circuit or the (P70) Passenger Mirror Common Driver circuit is open for more than 10 ms.

Possible Causes
(P74) PASSENGER MIRROR HORIZONTAL DRIVER CIRCUIT OPEN (P70) PASSENGER MIRROR COMMON DRIVER CIRCUIT OPEN PASSENGER OUTSIDE REARVIEW MIRROR OPEN PASSENGER DOOR MODULE (PDM)

Diagnostic Test

1. TEST FOR INTERMITTENT CONDITION

1. Turn the ignition on.
2. With the scan tool, record and erase Diagnostic Trouble Codes (DTCs).
3. Press and release the Mirror Select switch to select the Passenger Outside Rearview Mirror.
4. Operate the Mirror Adjust switch in all directions several times.
5. Cycle the ignition from on to off three times.
6. Turn the ignition on.
7. With the scan tool, read DTCs.

Does the scan tool display DTC B1D31-PASSENGER MIRROR HORIZONTAL MOTOR CONTROL CIRCUIT OPEN?

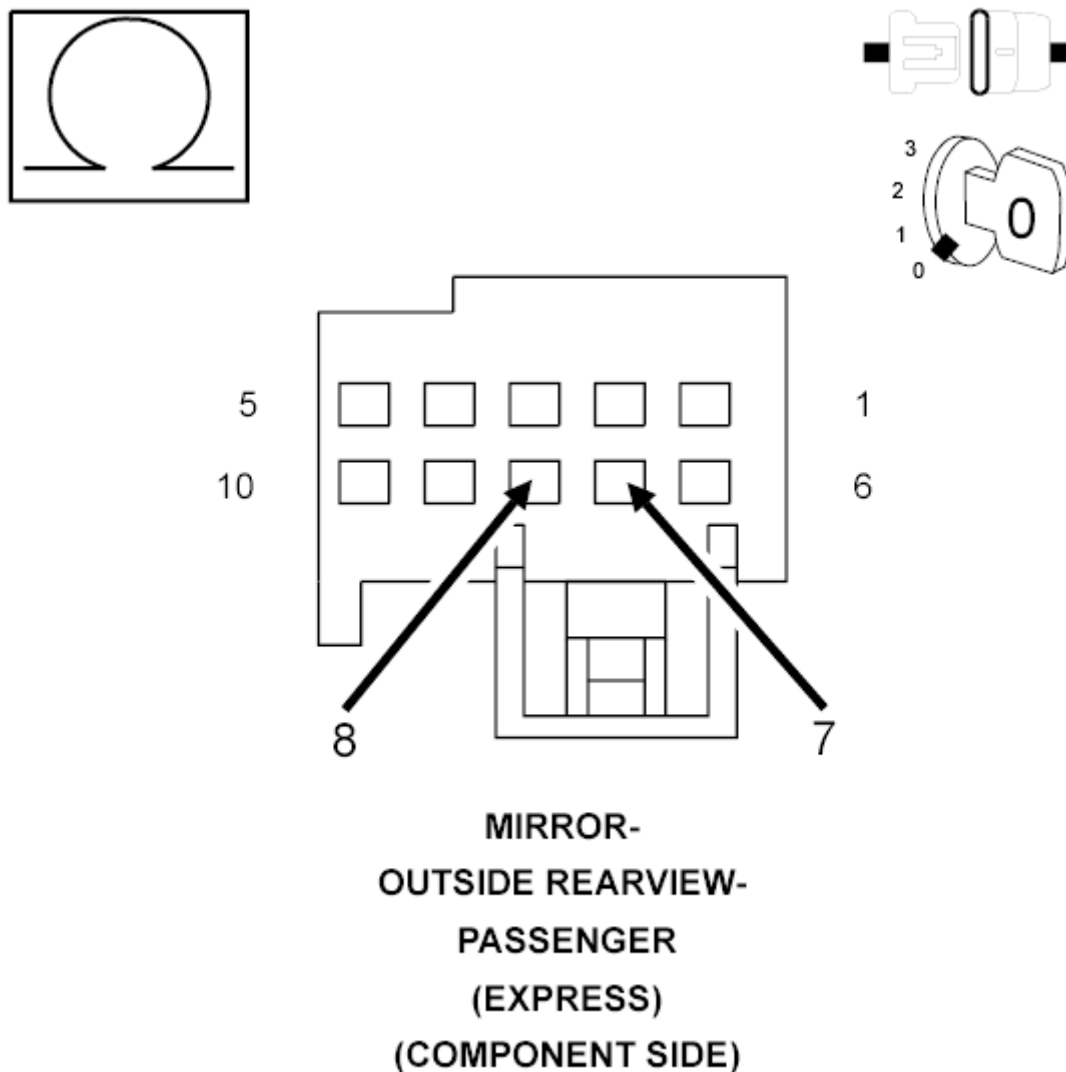
Yes

- Go to step 2

No

- The conditions that caused this code to set are not present at this time. For vehicle's equipped with folding outside rearview mirrors, repeat test with mirror folded. If DTC is now active, Go To 2. Otherwise, use the **SYSTEM WIRING DIAGRAMS** as a guide and inspect the wiring and connectors.

- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.
2. **CHECK (P74) PASSENGER MIRROR HORIZONTAL DRIVER CIRCUIT AND (P70) PASSENGER MIRROR COMMON DRIVER CIRCUIT FOR AN OPEN**



00492300

Fig. 49: Checking Passenger Mirror Horizontal Driver Circuit & Passenger Mirror Common Driver Circuit For An Open

Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Disconnect the Passenger Outside Rearview Mirror (Component Side) connector from the PDM C2 connector.
3. Measure the resistance between the (P74) Passenger Mirror Horizontal Driver circuit and the (P70) Passenger Mirror Common Driver circuit at the Passenger Outside Rearview Mirror (Component Side) connector.

Is the resistance between 25 and 150 ohms?

Yes

- Replace the Passenger Door Module (PDM) in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

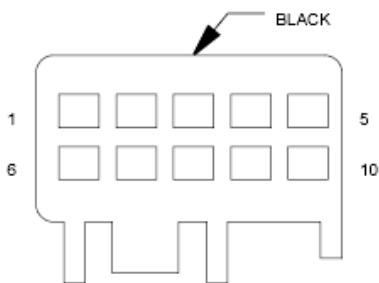
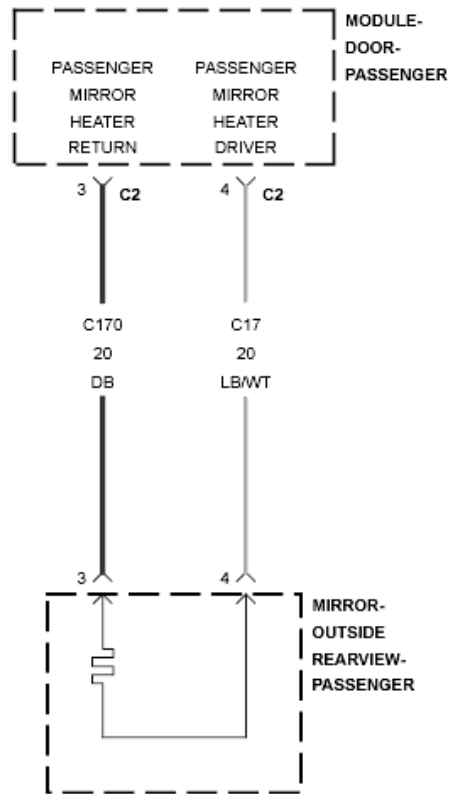
No

- Repair the (P74) Passenger Mirror Horizontal Driver circuit or the (P70) Passenger Mirror Common Driver circuit for an open. If the wiring harness and connector are okay, replace the Passenger Outside Rearview Mirror in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

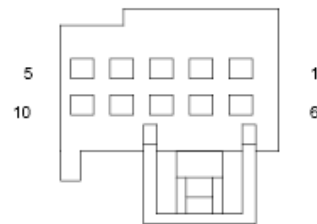
B1D37-PASSENGER MIRROR HEATER CONTROL CIRCUIT LOW

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey



MODULE-
DOOR-
PASSENGER C2
(EXPRESS)



MIRROR-
OUTSIDE REARVIEW-
PASSENGER
(EXPRESS)
(COMPONENT SIDE)

Fig. 50: Passenger Mirror Heater Driver Circuit Schematic
Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

- **When Monitored:**

Continuously.

- **Set Condition:**

When the Passenger Door Module (DPM) senses a short low on the (C17) Passenger Mirror Heater Driver circuit for more than 10 ms during heater operation.

Possible Causes
(C17) PASSENGER MIRROR HEATER DRIVER CIRCUIT SHORT TO GROUND
(C17) PASSENGER MIRROR HEATER DRIVER CIRCUIT SHORTED TO (C170) PASSENGER MIRROR HEATER RETURN CIRCUIT
PASSENGER OUTSIDE REARVIEW MIRROR SHORTED
PASSENGER DOOR MODULE (PDM)

Diagnostic Test

1. TEST FOR INTERMITTENT CONDITION

1. Turn the ignition on.
2. With the scan tool, record and erase Diagnostic Trouble Codes (DTCs).
3. Turn the rear defogger ON.
4. Press and release the Mirror Select switch to select the Passenger Outside Rearview Mirror.
5. Operate the Mirror Adjust switch in all directions several times.
6. With the scan tool, read DTCs.

Does the scan tool display DTC B1D37-PASSENGER MIRROR HEATER CONTROL CIRCUIT LOW?

Yes

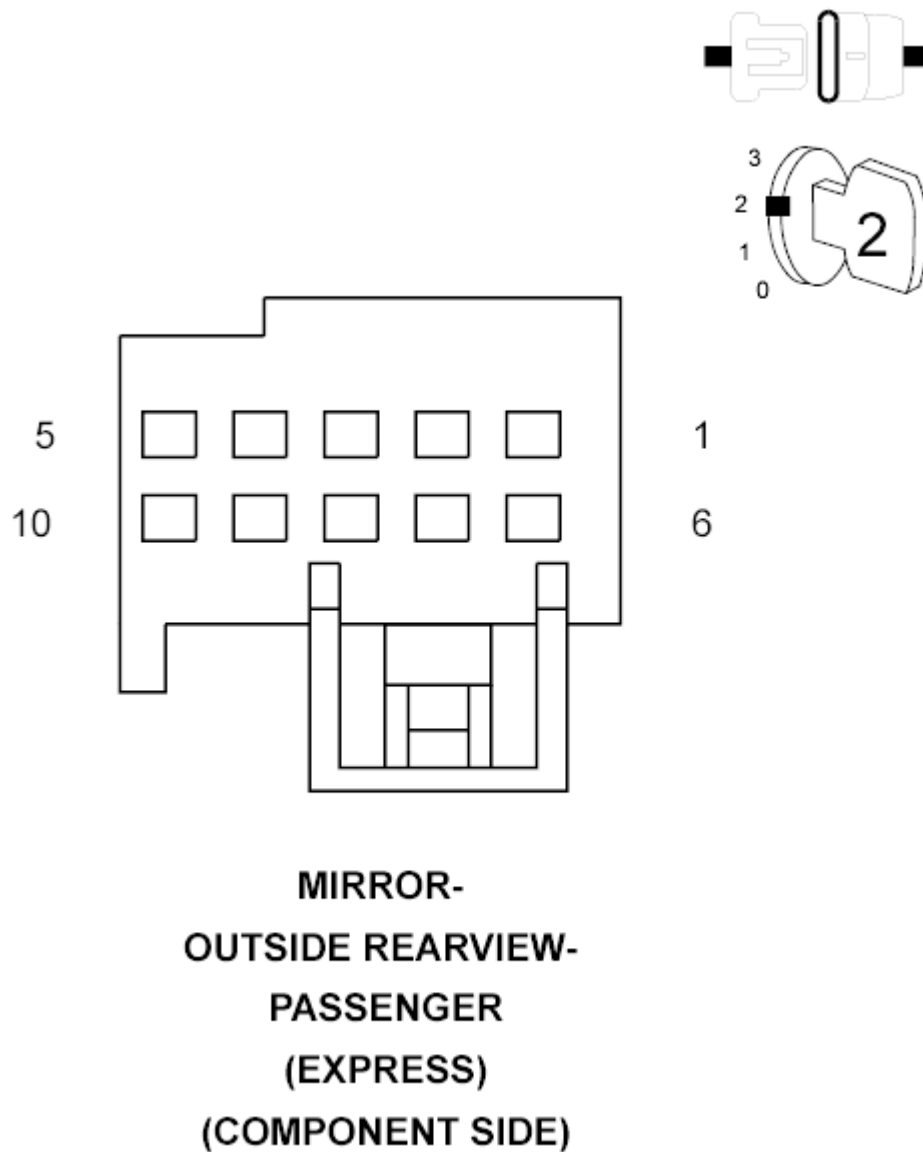
- Go to step 2

No

- The conditions that caused this code to set are not present at this time. For vehicle's equipped with folding outside rearview mirrors, repeat test with mirror folded. If DTC is now active, Go To 2. Otherwise, use the **SYSTEM WIRING DIAGRAMS** as a guide and inspect the wiring and connectors.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

2. CHECK (C17) PASSENGER MIRROR HEATER DRIVER CIRCUIT FOR A SHORT TO

GROUND OR TO (C170) PASSENGER MIRROR HEATER RETURN CIRCUIT



00491733

Fig. 51: Checking Passenger Mirror Vertical Driver Circuit For A Short To Voltage
 Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Disconnect the Passenger Outside Rearview Mirror (Component Side) connector from the PDM C2 connector.
3. Turn the ignition on.
4. With the scan tool, erase DTCs.
5. Turn the rear defogger ON.

6. Press and release the Mirror Select switch to select the Passenger Outside Rearview Mirror.
7. Operate the Mirror Adjust switch in all directions several times.
8. With the scan tool, read DTCs.

Does the scan tool display DTC B1D37-PASSENGER MIRROR HEATER CONTROL CIRCUIT LOW?

Yes

- Replace the Passenger Door Module (PDM) in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

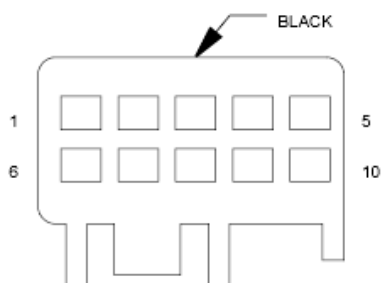
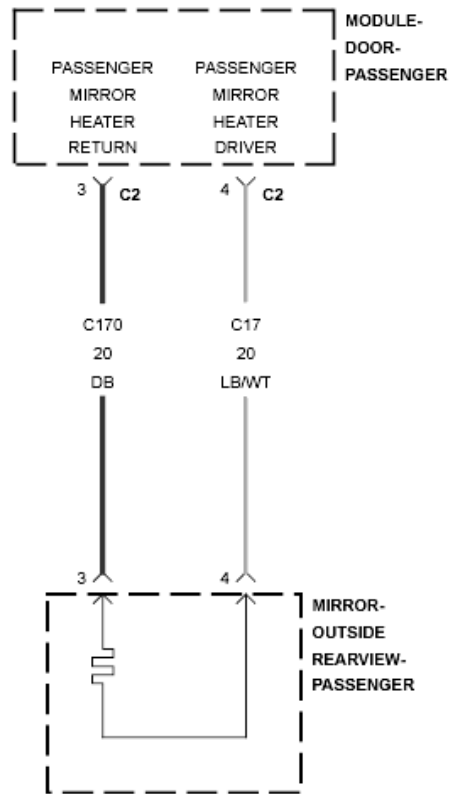
No

- Repair the (C17) Passenger Mirror Heater Driver circuit for a short to ground or to the (C170) Passenger Mirror Heater Return circuit. If the wiring harness and connector are okay, replace the Passenger Outside Rearview Mirror in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

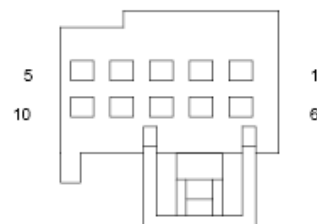
B1D38-PASSENGER MIRROR HEATER CONTROL CIRCUIT HIGH

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey



MODULE-
DOOR-
PASSENGER C2
(EXPRESS)



MIRROR-
OUTSIDE REARVIEW-
PASSENGER
(EXPRESS)
(COMPONENT SIDE)

Fig. 52: Passenger Mirror Heater Driver Circuit Schematic
Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

- **When Monitored:**

Continuously.

- **Set Condition:**

When the Passenger Door Module (PDM) senses a short high or open on the (C17) Passenger Mirror Heater Driver circuit for more than 10 ms with the heater turned off.

Possible Causes
(C17) PASSENGER MIRROR HEATER DRIVER CIRCUIT SHORTED TO VOLTAGE
(C17) PASSENGER MIRROR HEATER DRIVER CIRCUIT OPEN
(C170) PASSENGER MIRROR HEATER RETURN CIRCUIT OPEN
PASSENGER OUTSIDE REARVIEW MIRROR
PASSENGER DOOR MODULE (PDM)

Diagnostic Test

1. TEST FOR INTERMITTENT CONDITION

1. Turn the ignition on.
2. With the scan tool, record and erase Diagnostic Trouble Codes (DTCs).
3. Turn the rear defogger OFF.
4. Press and release the Mirror Select switch to select the Passenger Outside Rearview Mirror.
5. Operate the Mirror Adjust switch in all directions several times.
6. With the scan tool, read DTCs.

Does the scan tool display DTC B1D38-PASSENGER MIRROR HEATER CONTROL CIRCUIT HIGH?

Yes

- Go to step 2

No

- The conditions that caused this code to set are not present at this time. For vehicle's equipped with folding outside rearview mirrors, repeat test with mirror folded. If DTC is now active, Go To 2. Otherwise, use the **SYSTEM WIRING DIAGRAMS** as a guide and inspect the wiring and connectors.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

2. CHECK (C17) PASSENGER MIRROR HEATER DRIVER CIRCUIT FOR A SHORT TO

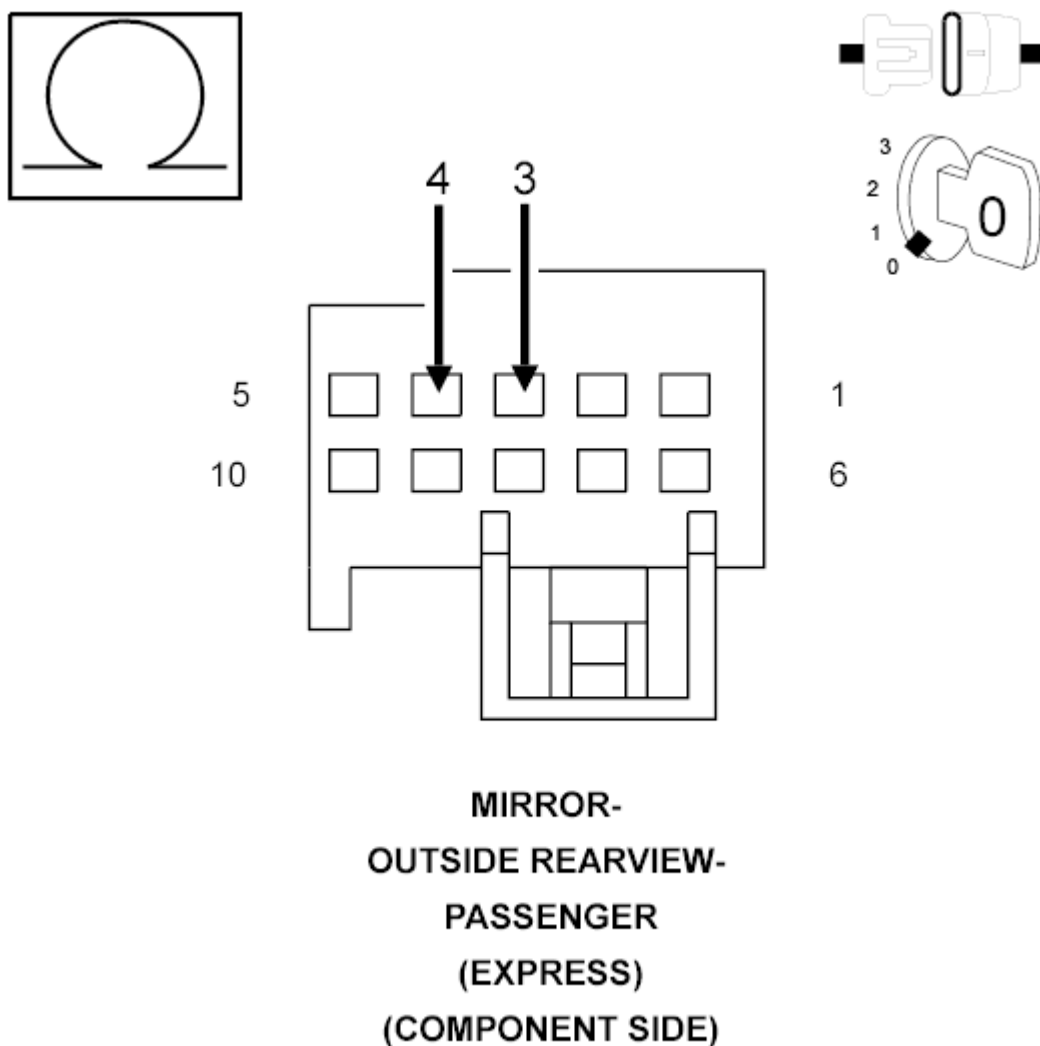
Yes

- Repair the (C17) Passenger Mirror Heater Driver circuit for a short to voltage. If the wiring harness and connector are okay, replace the Passenger Outside Rearview Mirror in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.

Yes

- Go to step 3

3. **CHECK (C17) PASSENGER MIRROR HEATER DRIVER CIRCUIT AND (C170) PASSENGER MIRROR HEATER RETURN CIRCUIT FOR AN OPEN**



00492586

Fig. 54: Checking Passenger Mirror Heater Driver Circuit & Passenger Mirror Heater Return Circuit For An Open

Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Measure the resistance between the (C17) Passenger Mirror Heater Driver circuit and the (C170) Passenger Mirror Heater Return circuit at the Passenger Outside Rearview Mirror (Component Side) connector.

Is the resistance approximately 10.0 ohms?

Yes

- Replace the Passenger Door Module (PDM) in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

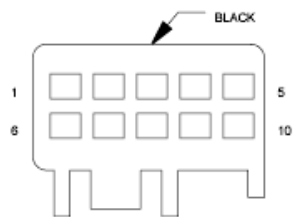
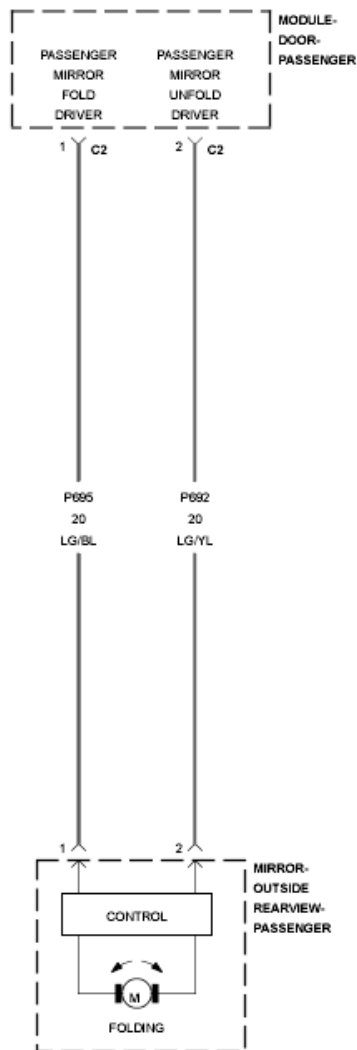
No

- Repair the (C17) Passenger Mirror Heater Driver circuit or the (C170) Passenger Mirror Heater Return circuit for an open. If the wiring harness and connector are okay, replace the Passenger Outside Rearview Mirror in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

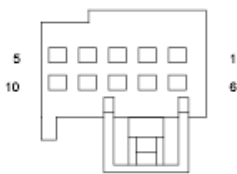
B1E6B-PASSENGER MIRROR FOLD CONTROL CIRCUIT LOW

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey



MODULE-
DOOR-
PASSENGER C2
(EXPRESS)



MIRROR-
OUTSIDE REARVIEW-
PASSENGER
(EXPRESS)
(COMPONENT SIDE)

Fig. 55: Passenger Mirror Fold/Unfold Driver Circuit Schematic
Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

• **When Monitored:**

Continuously.

• **Set Condition:**

When the Passenger Door Module (PDM) senses a short low on the (P695) Passenger Mirror Fold Driver circuit or the (P692) Passenger Mirror Unfold Driver circuit for more than 10 ms.

Possible Causes

(P695) PASSENGER MIRROR FOLD DRIVER CIRCUIT SHORTED TO GROUND
 (P692) PASSENGER MIRROR UNFOLD DRIVER CIRCUIT SHORTED TO GROUND
 (P695) PASSENGER MIRROR FOLD DRIVER CIRCUIT SHORTED TO (C170) PASSENGER MIRROR HEATER RETURN CIRCUIT
 (P692) PASSENGER MIRROR UNFOLD DRIVER CIRCUIT SHORTED TO (C170) PASSENGER MIRROR HEATER RETURN CIRCUIT
 PASSENGER OUTSIDE REARVIEW MIRROR SHORTED
 PASSENGER DOOR MODULE (PDM)

Diagnostic Test

1. TEST FOR INTERMITTENT CONDITION

1. Turn the ignition on.
2. With the scan tool, record and erase Diagnostic Trouble Codes (DTCs).
3. Operate the Mirror Fold switch several times.
4. Cycle the ignition from on to off three times.
5. Turn the ignition on.
6. With the scan tool, read DTCs.

Does the scan tool display DTC B1E6B-PASSENGER MIRROR FOLD CONTROL CIRCUIT LOW?

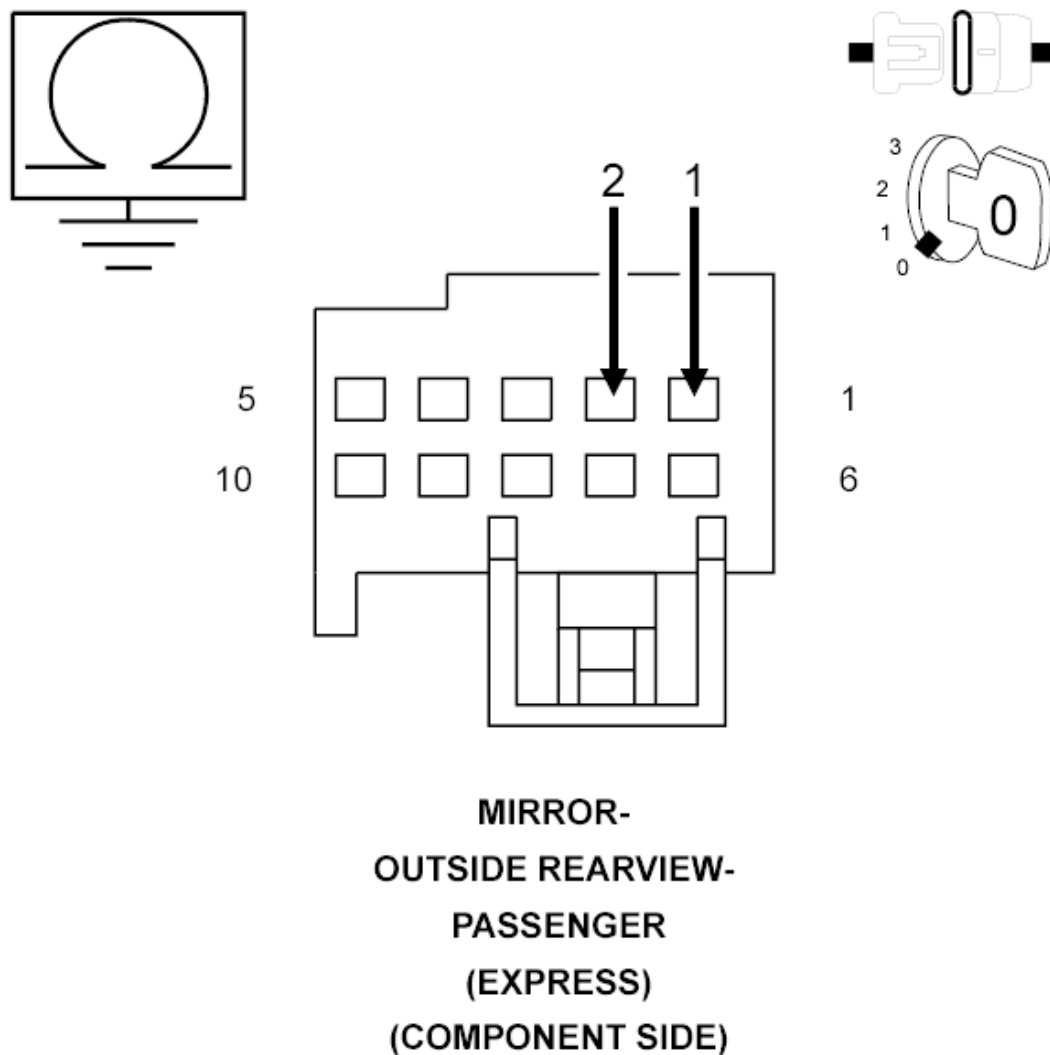
Yes

- Go to step 2

No

- The conditions that caused this code to set are not present at this time. Repeat the test with the mirror adjusted in several different positions. If the DTC is now active, Go To 2. Otherwise, use the **SYSTEM WIRING DIAGRAMS** as a guide and inspect the wiring and connectors.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

2. CHECK (P695) PASSENGER MIRROR FOLD DRIVER CIRCUIT AND (P692) PASSENGER MIRROR UNFOLD DRIVER CIRCUIT FOR A SHORT TO GROUND



00505923

Fig. 56: Checking Passenger Mirror Fold Driver Circuit & Passenger Mirror Unfold Driver Circuit For A Short To Ground

Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Disconnect the Passenger Outside Rearview Mirror (Component Side) connector from the PDM C2 connector.
3. Measure the resistance of the (P695) Passenger Mirror Fold Driver circuit between ground and the Passenger Outside Rearview Mirror (Component Side) connector.
4. Measure the resistance of the (P692) Passenger Mirror Unfold Driver circuit between ground and the Passenger Outside Rearview Mirror (Component Side) connector.

Is the resistance below 10k ohms for either measurement?

Yes

- Repair all circuits with a resistance below 10k ohms for a short to ground. If the wiring harness and connector are okay, replace the Passenger Outside Rearview Mirror in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

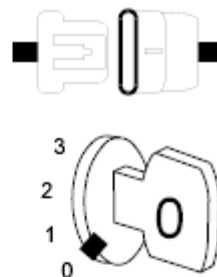
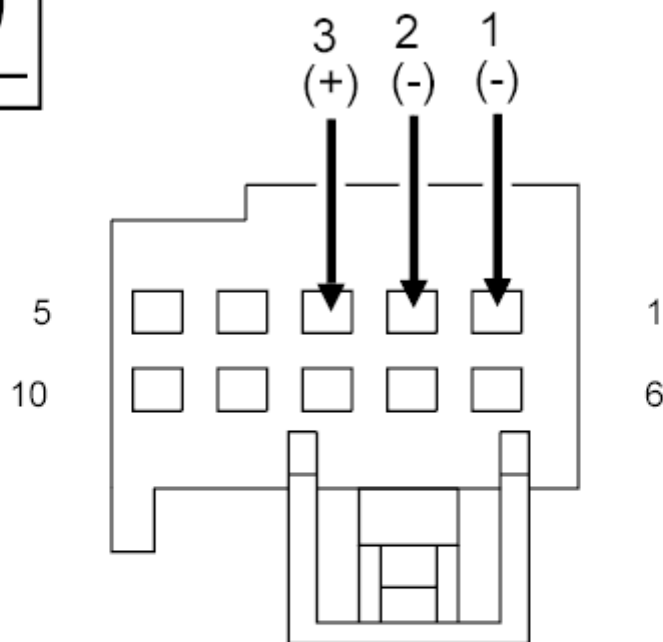
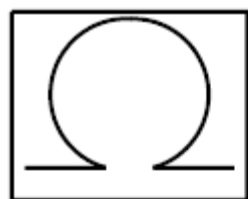
No, with Heated Mirrors

- Go to step 3

No, without Heated Mirrors

- Replace the Passenger Door Module (PDM) in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

3. **CHECK (P695) PASSENGER MIRROR FOLD DRIVER CIRCUIT AND (P692) PASSENGER MIRROR UNFOLD DRIVER CIRCUIT FOR A SHORT TO (C170) PASSENGER MIRROR HEATER RETURN CIRCUIT**



**MIRROR-
OUTSIDE REARVIEW-
PASSENGER
(EXPRESS)
(COMPONENT SIDE)**

00506000

Fig. 57: Checking Passenger Mirror Fold/Unfold Driver Circuit For A Short To Passenger Mirror Heater Return Circuit

Courtesy of CHRYSLER LLC

1. Measure the resistance between the (P695) Passenger Mirror Fold Driver circuit and the (C170) Passenger Mirror Heater Return circuit at the Passenger Outside Rearview Mirror (Component Side) connector.
2. Measure the resistance between the (P692) Passenger Mirror Unfold Driver circuit and the (C170) Passenger Mirror Heater Return circuit at the Passenger Outside Rearview Mirror (Component Side) connector.

Is the resistance below 10k ohms for either measurement?

Yes

- Repair all circuits with a resistance below 10k ohms for a short to the (C170) Passenger Mirror Heater Return circuit. If the wiring harness and connector are okay, replace the Passenger Outside Rearview Mirror in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

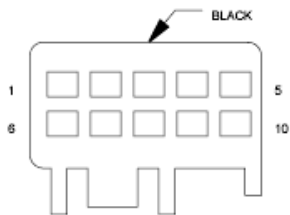
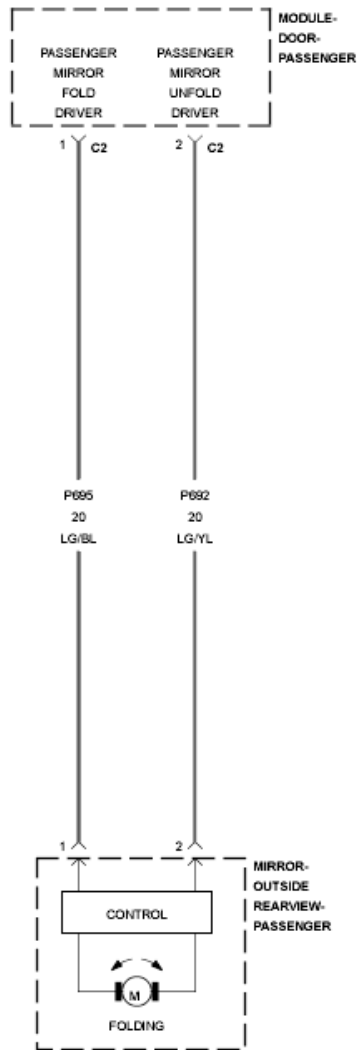
No

- Replace the Passenger Door Module (PDM) in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

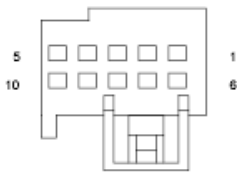
B1E6C-PASSENGER MIRROR FOLD CONTROL CIRCUIT HIGH

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey



MODULE-
DOOR-
PASSENGER C2
(EXPRESS)



MIRROR-
OUTSIDE REARVIEW-
PASSENGER
(EXPRESS)
(COMPONENT SIDE)

Fig. 58: Passenger Mirror Fold/Unfold Driver Circuit Schematic
Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

• **When Monitored:**

Continuously.

• **Set Condition:**

When the Passenger Door Module (PDM) senses voltage on the (P695) Passenger Mirror Fold Driver circuit or the (P692) Passenger Mirror Unfold Driver circuit for more than 10 ms when no voltage should be present.

Possible Causes

(P695) PASSENGER MIRROR FOLD DRIVER CIRCUIT SHORTED TO (C17) PASSENGER MIRROR HEATER DRIVER CIRCUIT
 (P692) PASSENGER MIRROR UNFOLD DRIVER CIRCUIT SHORTED TO (C17) PASSENGER MIRROR HEATER DRIVER CIRCUIT
 (P695) PASSENGER MIRROR FOLD DRIVER CIRCUIT SHORTED TO VOLTAGE
 (P692) PASSENGER MIRROR UNFOLD DRIVER CIRCUIT SHORTED TO VOLTAGE
 PASSENGER OUTSIDE REARVIEW MIRROR SHORTED
 PASSENGER DOOR MODULE (PDM)

Diagnostic Test

1. TEST FOR INTERMITTENT CONDITION

1. Turn the ignition on.
2. With the scan tool, record and erase Diagnostic Trouble Codes (DTCs).
3. For vehicles equipped with heated mirrors, turn the rear defogger ON.
4. Operate the Mirror Fold switch several times.
5. With the scan tool, read DTCs.

Does the scan tool display DTC B1E6C-PASSENGER MIRROR FOLD CONTROL CIRCUIT HIGH?

Yes, with Heated Mirrors

- Go to step 2

Yes, without Heated Mirrors

- Go to step 3

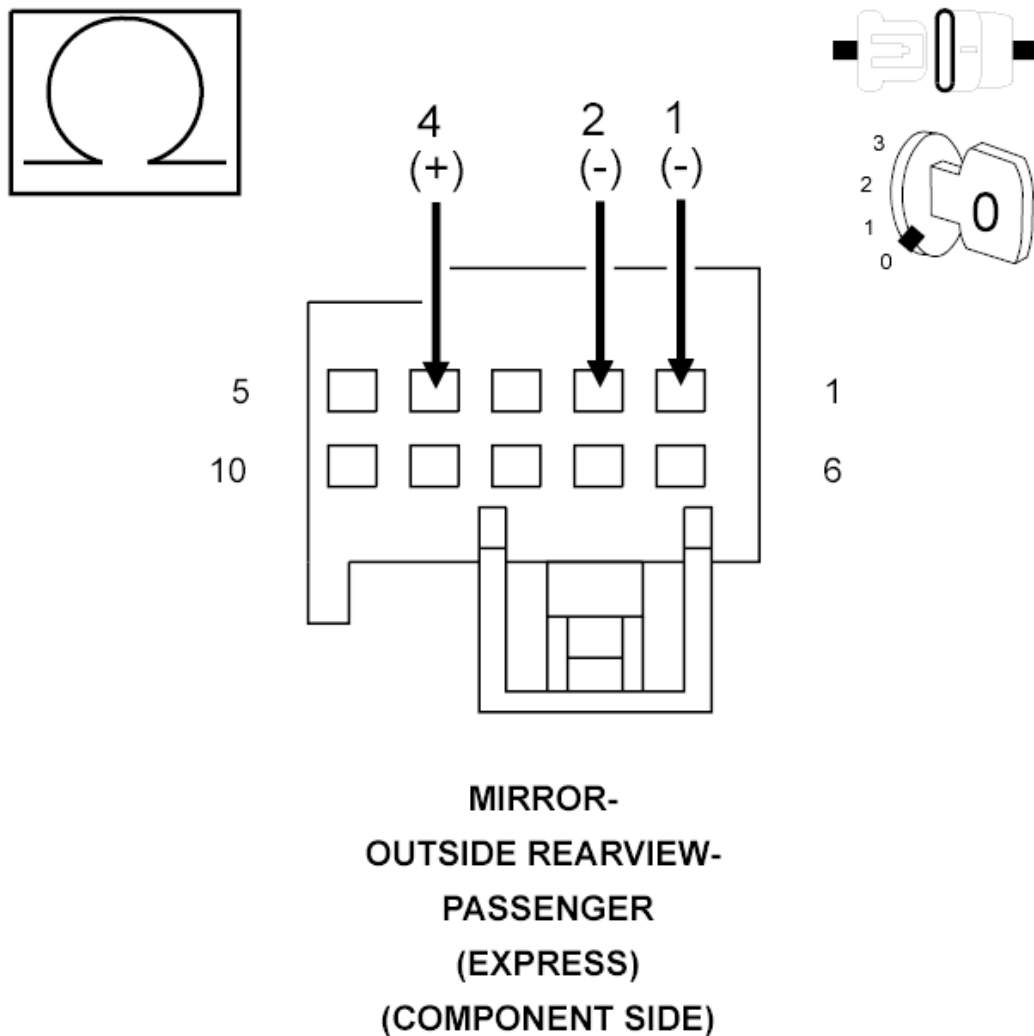
No

- The conditions that caused this code to set are not present at this time. Repeat the test with the mirror adjusted in several different positions. If the DTC is now active, Go To 2 (with

heated mirrors) or 3 (without heated mirrors). Otherwise, use the **SYSTEM WIRING DIAGRAMS** as a guide and inspect the wiring and connectors.

- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.

2. **CHECK (P695) PASSENGER MIRROR FOLD DRIVER CIRCUIT AND (P692) PASSENGER MIRROR UNFOLD DRIVER CIRCUIT FOR A SHORT TO (C17) PASSENGER MIRROR HEATER DRIVER CIRCUIT**



00506607

Fig. 59: Checking Passenger Mirror Fold/Unfold Driver Circuit For A Short To Passenger Mirror Heater Driver Circuit

Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Disconnect the Passenger Outside Rearview Mirror (Component Side) connector from the PDM C2 connector.

3. Measure the resistance between the (P695) Passenger Mirror Fold Driver circuit and the (C17) Passenger Mirror Heater Driver circuit at the Passenger Outside Rearview Mirror (Component Side) connector.
4. Measure the resistance between the (P692) Passenger Mirror Unfold Driver circuit and the (C17) Passenger Mirror Heater Driver circuit at the Passenger Outside Rearview Mirror (Component Side) connector.

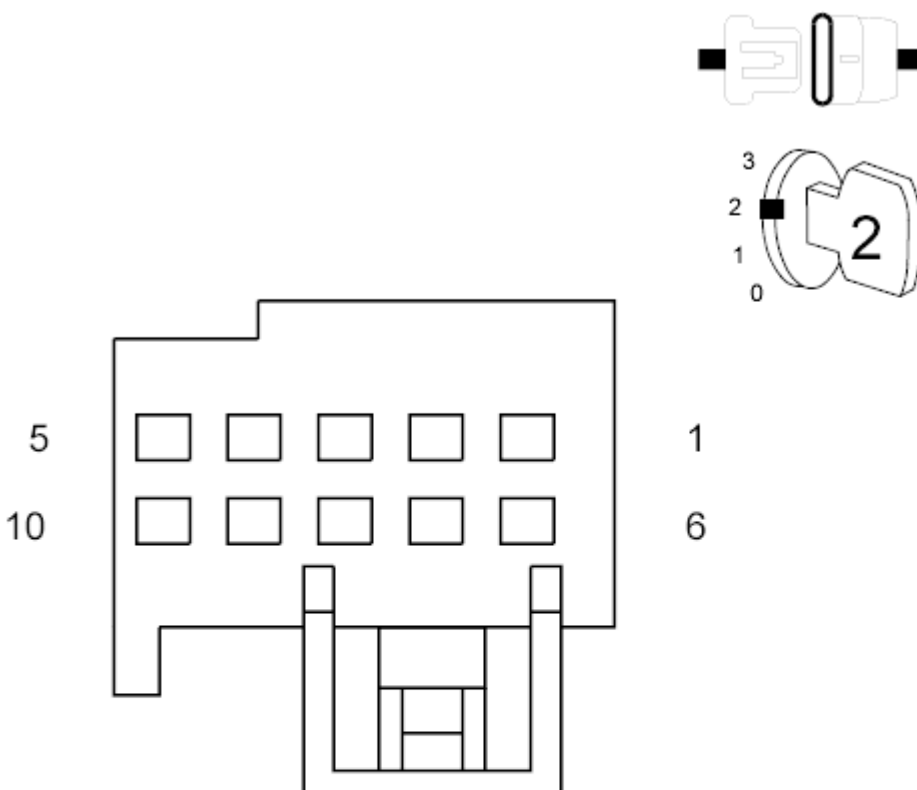
Is the resistance below 10k ohms for either measurement?

Yes

- Repair all circuits with a resistance below 10k ohms for a short to the (C17) Passenger Mirror Heater Driver circuit. If the wiring harness and connector are okay, replace the Passenger Outside Rearview Mirror in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

No

- Go to step 3
3. **CHECK (P695) PASSENGER MIRROR FOLD DRIVER CIRCUIT AND (P692) PASSENGER MIRROR UNFOLD DRIVER CIRCUIT FOR A SHORT TO VOLTAGE**



**MIRROR-
OUTSIDE REARVIEW-
PASSENGER
(EXPRESS)
(COMPONENT SIDE)**

00491733

Fig. 60: Checking Passenger Mirror Vertical Driver Circuit For A Short To Voltage
Courtesy of CHRYSLER LLC

1. If not done previously, turn the ignition off.
2. If not done previously, disconnect the Passenger Outside Rearview Mirror (Component Side) connector from the PDM C2 connector.
3. Turn the ignition on.
4. With the scan tool, erase DTCs.
5. Operate the Mirror Fold switch several times.
6. Press and release the Mirror Select switch to select the Passenger Outside Rearview Mirror.
7. Operate the Mirror Adjust switch in all directions several times.

8. With the scan tool, read DTCs.

Does the scan tool display DTC B1E6C-PASSENGER MIRROR FOLD CONTROL CIRCUIT HIGH?

Yes

- Replace the Passenger Door Module (PDM) in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

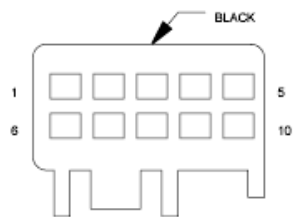
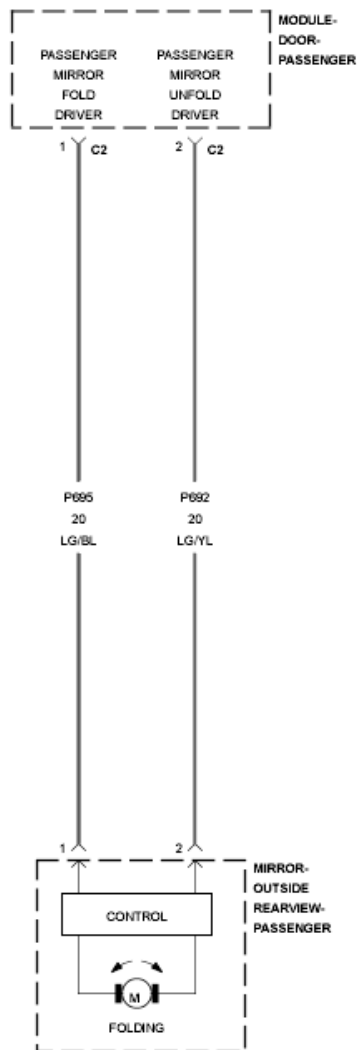
No

- Repair the (P695) Passenger Mirror Fold Driver circuit or the (P692) Passenger Mirror Unfold Driver circuit for a short to voltage. If the wiring harness and connector are okay, replace the Passenger Outside Rearview Mirror in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

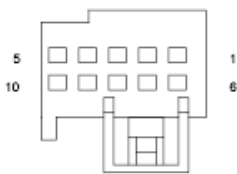
B1E6D-PASSENGER MIRROR FOLD CONTROL CIRCUIT OPEN

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey



MODULE-
DOOR-
PASSENGER C2
(EXPRESS)



MIRROR-
OUTSIDE REARVIEW-
PASSENGER
(EXPRESS)
(COMPONENT SIDE)

Fig. 61: Passenger Mirror Fold/Unfold Driver Circuit Schematic
Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

• **When Monitored:**

Continuously.

• **Set Condition:**

When the Passenger Door Module (PDM) senses that the (P695) Passenger Mirror Fold Driver circuit or the (P692) Passenger Mirror Unfold Driver circuit is open for more than 10 ms.

Possible Causes

(P695) PASSENGER MIRROR FOLD DRIVER CIRCUIT OPEN
(P692) PASSENGER MIRROR UNFOLD DRIVER CIRCUIT OPEN
PASSENGER OUTSIDE REARVIEW MIRROR OPEN
PASSENGER DOOR MODULE (PDM)

Diagnostic Test

1. TEST FOR INTERMITTENT CONDITION

1. Turn the ignition on.
2. With the scan tool, record and erase Diagnostic Trouble Codes (DTCs).
3. Operate the Mirror Fold switch several times.
4. Cycle the ignition from on to off three times.
5. Turn the ignition on.
6. With the scan tool, read DTCs.

Does the scan tool display DTC B1E6D-PASSENGER MIRROR FOLD CONTROL CIRCUIT OPEN?

Yes

- Go to step 2

No

- The conditions that caused this code to set are not present at this time. Repeat the test with the mirror adjusted in several different positions. If the DTC is now active, Go To 2. Otherwise, use the **SYSTEM WIRING DIAGRAMS** as a guide and inspect the wiring and connectors.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

2. CHECK (P695) PASSENGER MIRROR FOLD DRIVER CIRCUIT AND (P692) PASSENGER MIRROR UNFOLD DRIVER CIRCUIT FOR AN OPEN

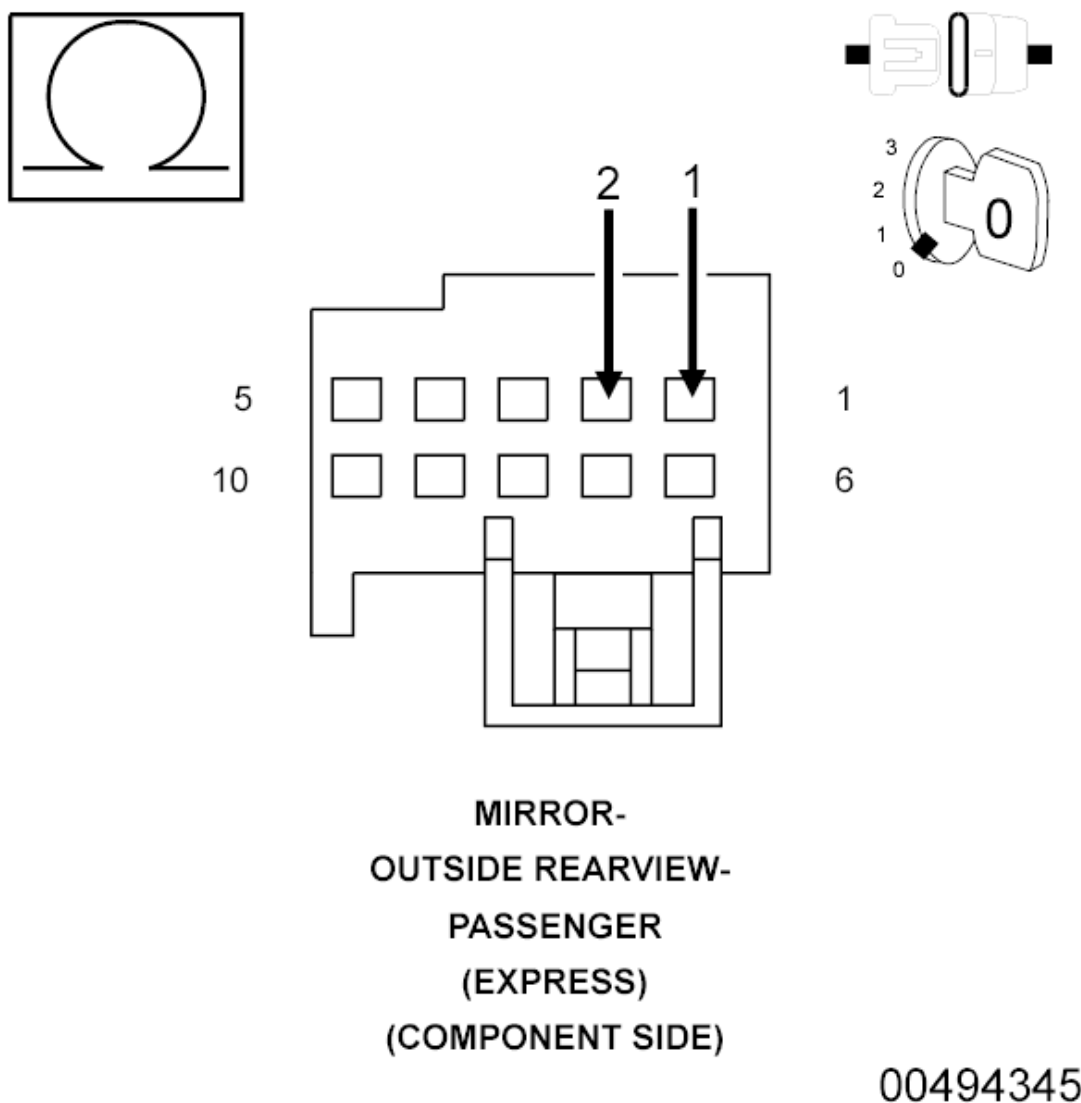


Fig. 62: Checking Passenger Mirror Fold/Unfold Driver Circuit For An Open
Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Disconnect the Passenger Outside Rearview Mirror (Component Side) connector from the PDM C2 connector.
3. Measure the resistance between the (P695) Passenger Mirror Fold Driver circuit and the (P692) Passenger Mirror Unfold Driver circuit at the Passenger Outside Rearview Mirror (Component Side) connector.

Is the resistance below 15.0 ohms?

Yes

- Replace the Passenger Door Module (PDM) in accordance with the Service Information.

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

No

- Repair the (P695) Passenger Mirror Fold Driver circuit or the (P692) Passenger Mirror Unfold Driver circuit for an open. If the wiring harness and connector are okay, replace the Passenger Outside Rearview Mirror in accordance with the Service Information.
- Perform BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** ,

B210A-SYSTEM VOLTAGE LOW

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

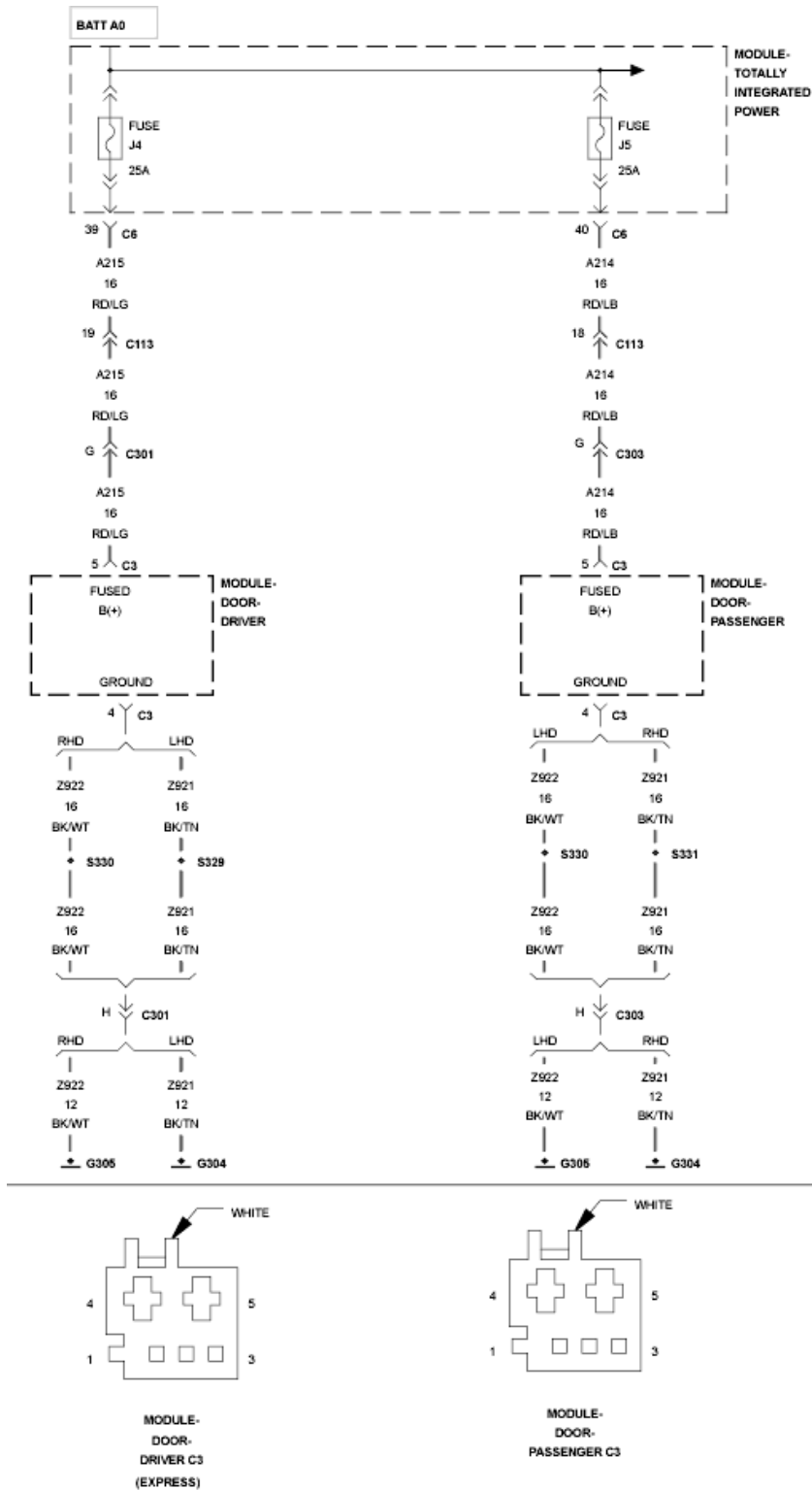


Fig. 63: Fused B+ Ground Circuit Schematic
 Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

- **When Monitored:**

At all times.

- **Set Condition:**

This is a CAN message that the battery voltage was below 7.3 volts for over 10 seconds.

Possible Causes
LOW SYSTEM VOLTAGE BATTERY OR CHARGING SYSTEM

Diagnostic Test

1. CHECK ENGINE DTCs

1. With the scan tool, read ENGINE DTCs

Are there any ENGINE Charging or Battery DTCs present?

No

- This code is for information only. At some time there was a low battery system voltage. Check the battery and charging system in accordance with the Service Information.

Yes

- Perform the appropriate diagnostic procedure. Refer to **DTC-Based Diagnostics/MODULE, Powertrain Control (PCM) - Diagnosis and Testing** .

B210B-SYSTEM VOLTAGE HIGH

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

- **When Monitored:**

At all times.

- **Set Condition:**

This is a CAN message that the system voltage was above 18.4 volts for over 10 seconds.

Possible Causes
HIGH BATTERY SYSTEM VOLTAGE CHARGING SYSTEM

Diagnostic Test**1. CHECK ENGINE DTCs**

1. With the scan tool, read ENGINE DTCs

Are there any ENGINE Charging or Battery DTCs present?

No

- This code is a CAN system message for information only. Check the charging system in accordance with the Service Information.

Yes

- Perform the appropriate diagnostic procedure. Refer to **DTC-Based Diagnostics/MODULE, Powertrain Control (PCM) - Diagnosis and Testing** .

B210D-BATTERY VOLTAGE LOW

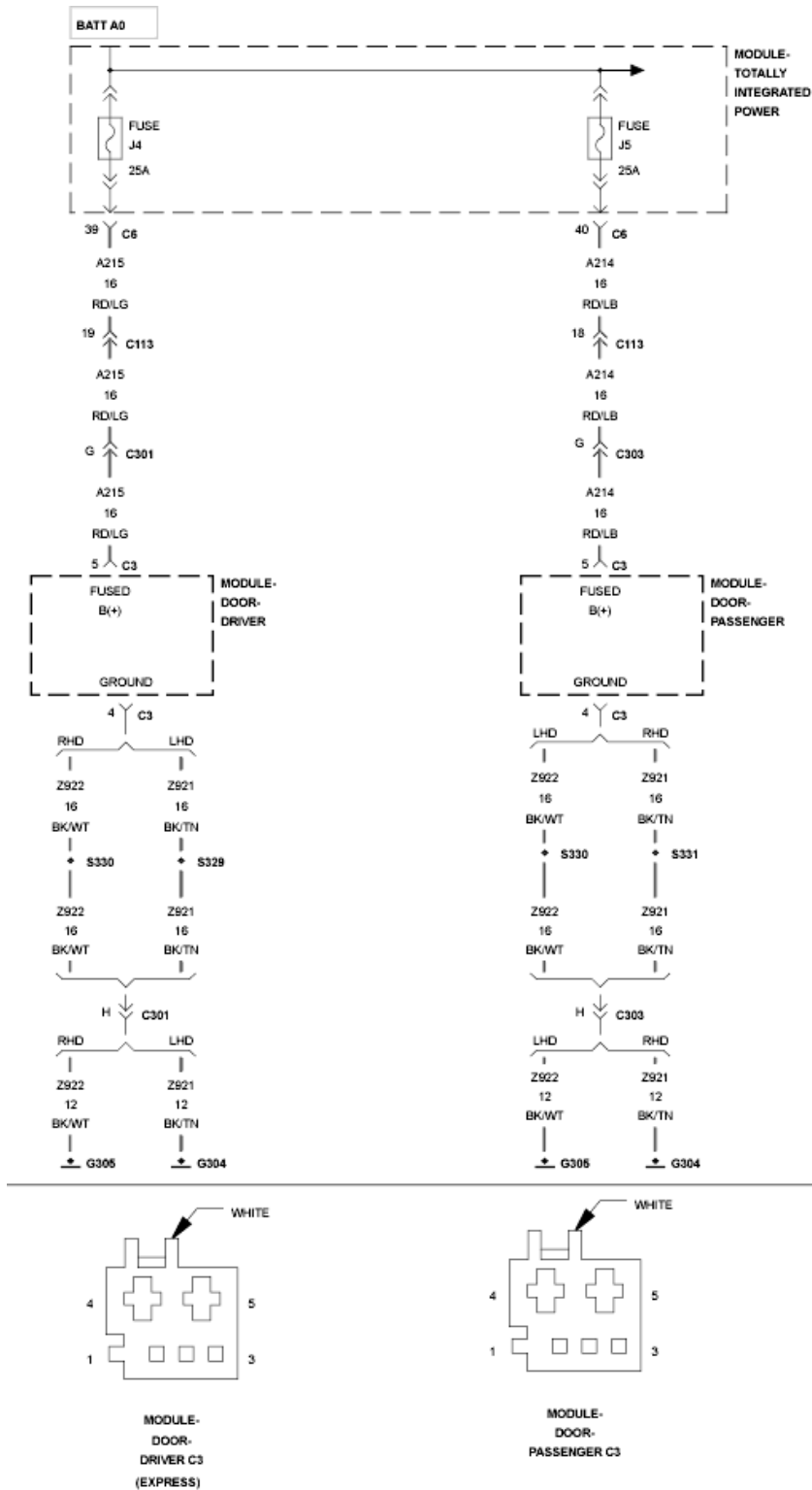


Fig. 64: Fused B+ Ground Circuit Schematic
 Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

- **When Monitored:**

At all times.

- **Set Condition:**

Anytime the module senses a voltage input below 9.0 volts, this code will set.

Possible Causes
LOW VOLTAGE ENGINE DTC (A214) FUSED B(+) CIRCUIT HAS HIGH RESISTANCE (Z921) or (Z922) GROUND CIRCUIT HAS HIGH RESISTANCE PASSENGER DOOR MODULE (PDM)

Diagnostic Test

1. CHECK ENGINE DTCs

1. With the scan tool, read ENGINE DTCs

Are there any ENGINE Charging or Battery DTCs present?

No

- Go to step 2

Yes

- Refer to **DTC-Based Diagnostics/MODULE, Powertrain Control (PCM) - Diagnosis and Testing** and perform the appropriate diagnostic procedures.

2. TEST FOR INTERMITTENT CONDITION

1. With the scan tool, record and erase the DTCs.
2. Start the engine and run for two minutes.
3. With the scan tool, read DTCs in the Door Module.

Does the scan tool display B210D-BATTERY VOLTAGE LOW?

Yes

- Go to step 3

No

- The conditions that caused this code to set are not present at this time. Using the **SYSTEM WIRING DIAGRAMS** as a guide, inspect the wiring and connectors.

- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.

3. (A214) FUSED B(+) OR (Z921/Z922) GROUND CIRCUITS RESISTED

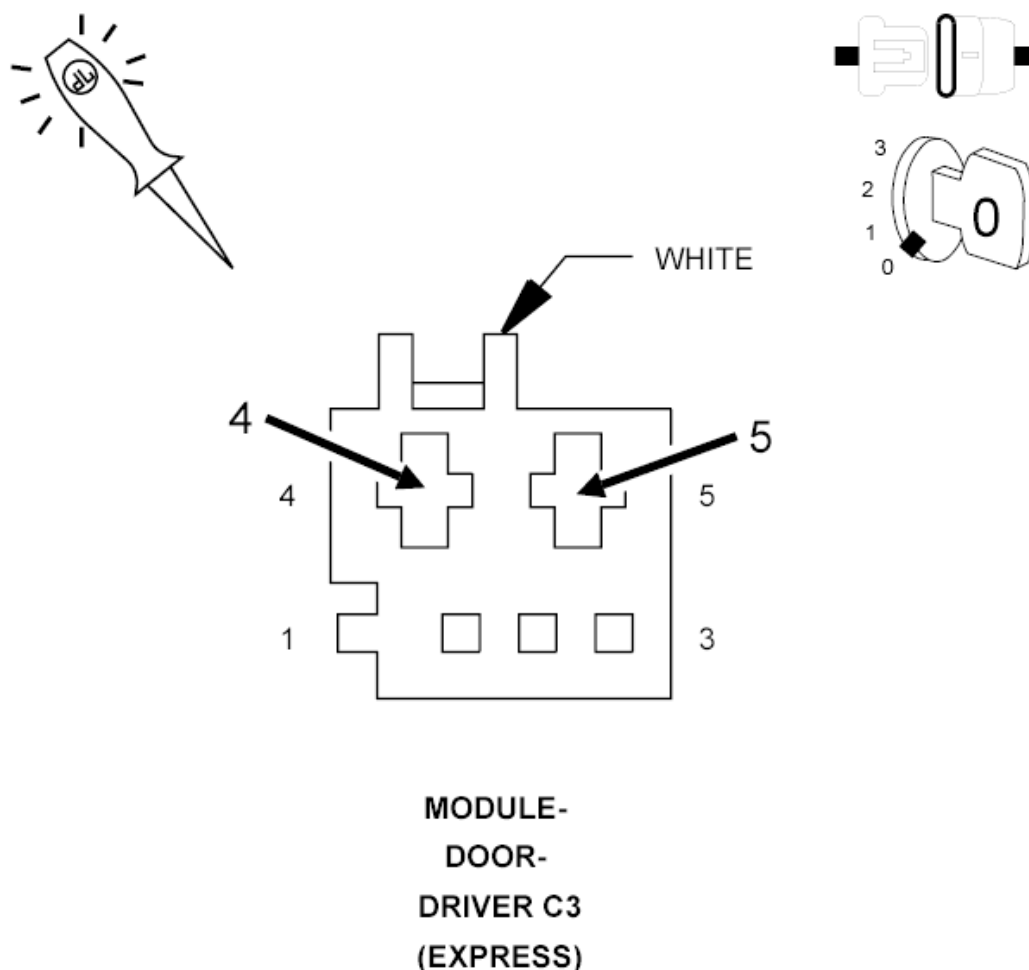


Fig. 65: Checking Fused B(+) Or (Z921/Z922) Ground Circuits Resisted
 Courtesy of CHRYSLER LLC

NOTE: The graphic shows Driver side, Passenger side is similar.

1. Turn the ignition off.
2. Disconnect the Passenger Door Module C3 connector.
3. Test the (A214) Fused B(+) circuits by connecting a 12-volt test light between the (A214) Fused B(+) circuit and the (Z921 or Z922) Ground circuits in the door module C3 connector. The test light must illuminate brightly. Compare the brightness to that of a direct connection to the battery.

Does the test light illuminate brightly?

Yes

- Replace the Passenger Door Module in accordance with Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

No

- Test the Fused B(+) and the Ground circuits to determine which one has the high resistance. Repair the circuit for high resistance.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

B210E-BATTERY VOLTAGE HIGH

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

- **When Monitored:**

At all times.

- **Set Condition:**

Anytime the module senses a voltage input above 15.9 volts, this code will set.

Possible Causes
HIGH VOLTAGE ENGINE DTC PASSENGER DOOR MODULE (PDM)

Diagnostic Test**1. CHECK ENGINE DTCs**

1. With the scan tool, read ENGINE DTCs.

Are there any ENGINE Charging or Battery DTCs present?

No

- Go to step 2

Yes

- Perform the appropriate diagnostic procedure.
- For gas engine applications. Refer to **DTC-Based Diagnostics/MODULE, Powertrain Control (PCM) - Diagnosis and Testing** ,

- For Diesel engine applications. Refer to **DTC-Based Diagnostics/MODULE, Engine Control (ECM) - Diagnosis and Testing** ,

2. TEST FOR INTERMITTENT CONDITION

1. With the scan tool, record and erase the DTCs.
2. Start the engine and run for two minutes.
3. With the scan tool, read the DTCs.

Does the scan tool display B210E-BATTERY VOLTAGE HIGH?

Yes

- Replace the Passenger Door Module in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

No

- The conditions that caused this code to set are not present at this time. Using the **SYSTEM WIRING DIAGRAMS** as a guide, inspect the wiring and connectors.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

B21A1-ECU RESET/RECOVERY OCCURRED

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

• When Monitored:

At all times.

• Set Condition:

Whenever the module detects a power on reset or a reflash, this code will set. This code is for information only. No repair is necessary.

Possible Causes
MODULE WAS RE-FLASHED
MODULE WAS RESET

This DTC is for information only. At some time the module was re-flashed or was reset during a power on operation. No repair is necessary.

B225D-DOOR MODULE FRONT LEFT INTERNAL

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

- **When Monitored:**

At all times.

- **Set Condition:**

Whenever the module detects an EEPROM failure

Possible Causes
FRONT LEFT DOOR MODULE

Diagnostic Test

1. **Replace the Front Left Door Module**

NOTE: Anytime this code is logged, the module must be replaced.

Repair

- Replace the Front Left Door Module in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

B225E DOOR MODULE FRONT RIGHT INTERNAL

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

- **When Monitored:**

At all times.

- **Set Condition:**

Whenever the module detects an EEPROM failure.

POSSIBLE CAUSES
FRONT RIGHT DOOR MODULE

Diagnostic Test

1. **Replace the Front Right Door Module**

NOTE: Anytime this code is logged, the module must be replaced.

Repair

- Replace the Front Right Door Module in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

B2577-PASSENGER WINDOW NOT CALIBRATED/LOST CALIBRATION - RHD ONLY

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

- **When Monitored:**

Whenever the window motor is operating.

- **Set Condition:**

When the Door Module has lost the parameters for window travel, this code will set.

Possible Causes
MODULE NOT CALIBRATED EXPRESS WINDOW SWITCH PASSENGER DOOR MODULE (PDM)

Theory of Operation

This code will always set anytime the battery or the door module connector is disconnected.

NOTE: If there are any other Power Window DTCs, repair them before continuing.

Diagnostic Test**1. TEST FOR INTERMITTENT CONDITION**

1. Turn the ignition on.
2. With the scan tool, record and erase the DTCs.
3. Operate the Passenger Window up and down several times.
4. Wait 30 seconds.
5. With the scan tool, read the active DTCs.

Does the scan tool display B2577-PASSENGER WINDOW NOT CALIBRATED/LOST CALIBRATION ?

Yes

- Go to step 2

No

- The conditions that caused this code to set are not present at this time. Using the **SYSTEM WIRING DIAGRAMS** as a guide, inspect the wiring and connectors.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

2. WINDOW MODULE NOT CALIBRATED

1. Run the window to the full up position and continue to hold the switch for an additional two seconds.
2. Run the window to the full down position and continue to hold the switch for an additional two seconds.
3. Again run the window to the full up position and continue to hold the switch for an additional two seconds.
4. Lower the window all the way down then press and release the switch to the express up position.

Did the window move to the full up position?

No

- Go to step 3

Yes

- Test complete.

3. EXPRESS SWITCH

Is the express feature inoperative from both front door switches?

Yes

- Replace the Passenger Door Module in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

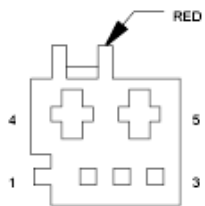
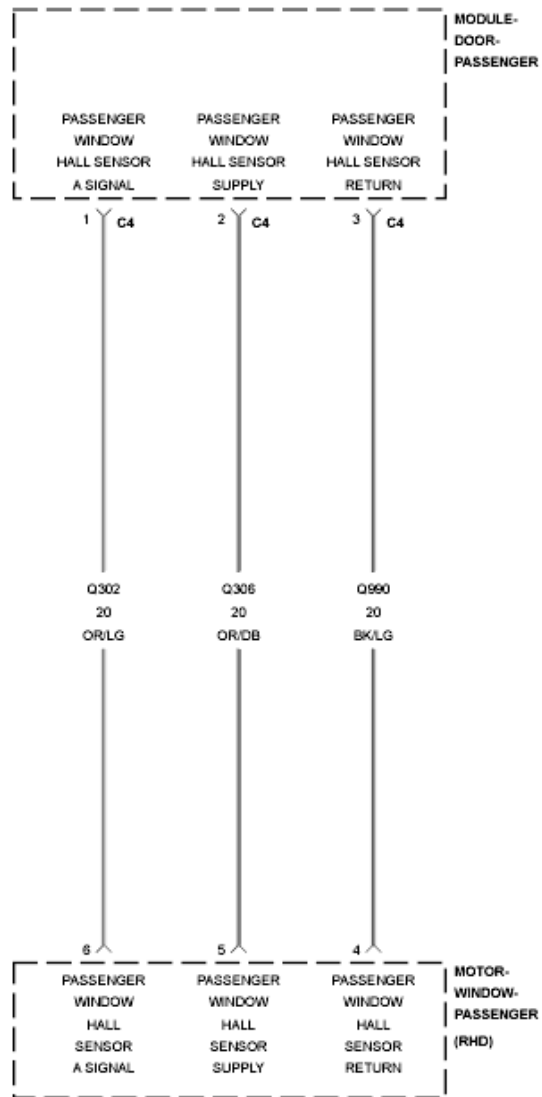
No

- Replace the defective Express Window Switch assembly.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

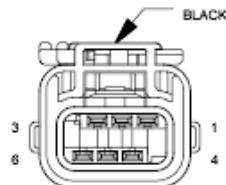
B2581-PASSENGER WINDOW POSITION SENSOR(S) NO SIGNAL - RHD ONLY

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey



MODULE-
DOOR-
PASSENGER C4



MOTOR-
WINDOW-
PASSENGER
(RHD)

Fig. 66: Passenger Window Hall Sensor Supply Circuit Schematic
Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS** .

- **When Monitored:**

Whenever the window motor is operating.

- **Set Condition:**

When the door module does not sense a pulse from the hall sensor, during a window movement, this code will set.

Possible Causes
(Q306) PASSENGER WINDOW HALL SENSOR SUPPLY CIRCUIT OPEN (Q302) PASSENGER WINDOW HALL SENSOR A SIGNAL CIRCUIT OPEN (Q990) PASSENGER WINDOW HALL SENSOR RETURN CIRCUIT OPEN WINDOW MOTOR (REGULATOR) PASSENGER DOOR MODULE (PDM)

Diagnostic Test

1. TEST FOR INTERMITTENT CONDITION

1. Turn the ignition on.
2. With the scan tool, record and erase the DTCs.
3. Operate the Passenger Window up and down several times.
4. Wait 30 seconds.
5. With the scan tool, read the active DTCs.

Does the scan tool display B2581-PASSENGER WINDOW POSITION SENSOR(S) NO SIGNAL?

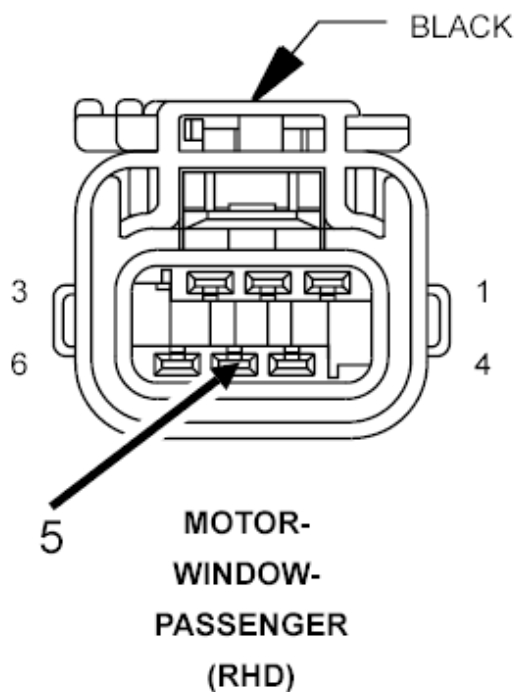
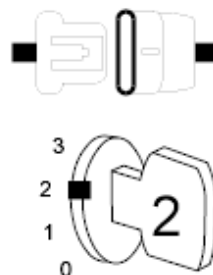
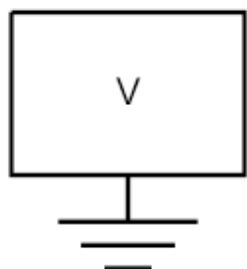
Yes

- Go to step 2

No

- The conditions that caused this code to set are not present at this time. Using the **SYSTEM WIRING DIAGRAMS** as a guide, inspect the wiring and connectors.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

2. (Q306) HALL SENSOR SUPPLY CIRCUIT OPEN



103930

Fig. 67: Checking Hall Sensor Supply Circuit Open
Courtesy of CHRYSLER LLC

1. With the scan tool, erase the DTCs.
2. Turn the ignition off.
3. Disconnect the Passenger Window Motor connector.
4. Turn the ignition on.
5. Measure the voltage between the (Q306) Passenger Window Hall Sensor Supply circuit and Ground.

Is the voltage above 9.5 volts?

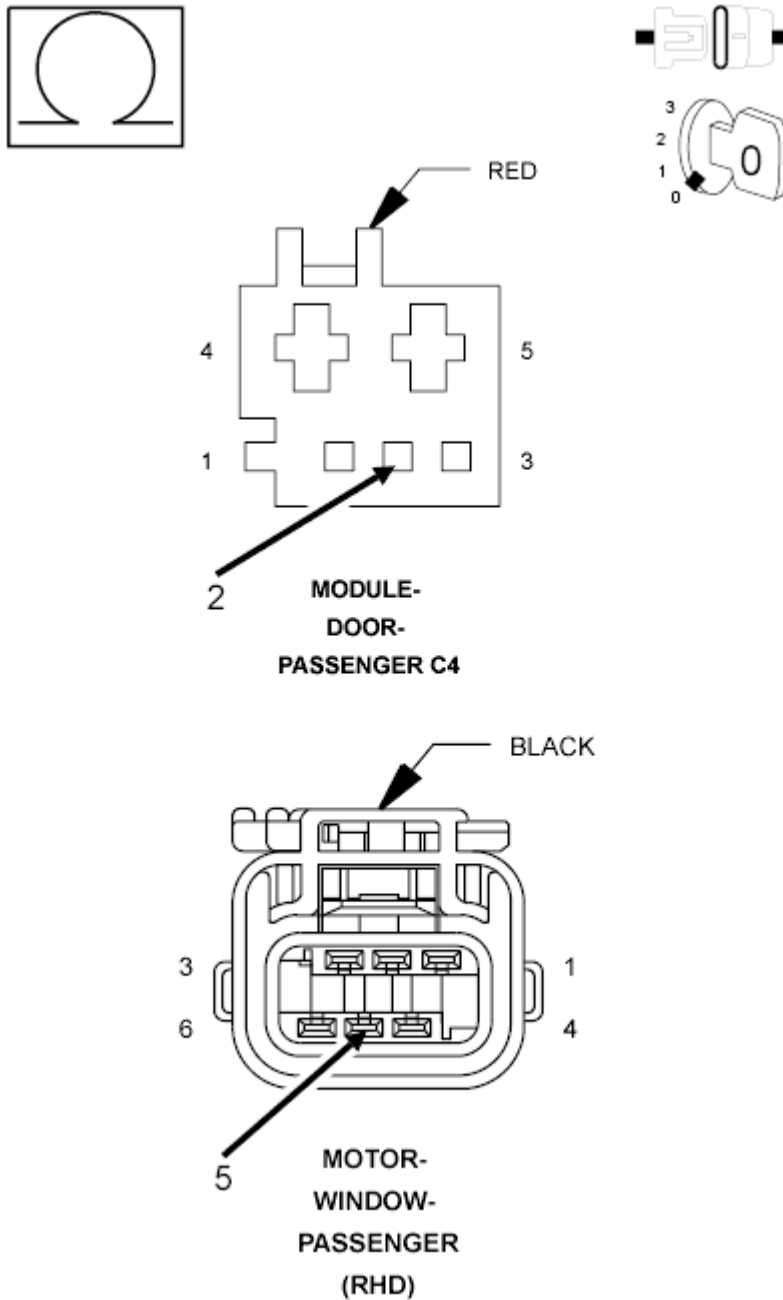
No

- Go to step 3

Yes

- Go to step 4

3. (Q306) HALL SENSOR SUPPLY CIRCUIT OPEN



103932

Fig. 68: Checking Hall Sensor Supply Circuit Open

Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Disconnect the Passenger Door Module (PDM) C4 connector.
3. Measure the resistance of the (Q306) Passenger Window Hall Sensor Supply circuit between the Module connector and the Motor connector.

Is the resistance below 2.0 ohms?

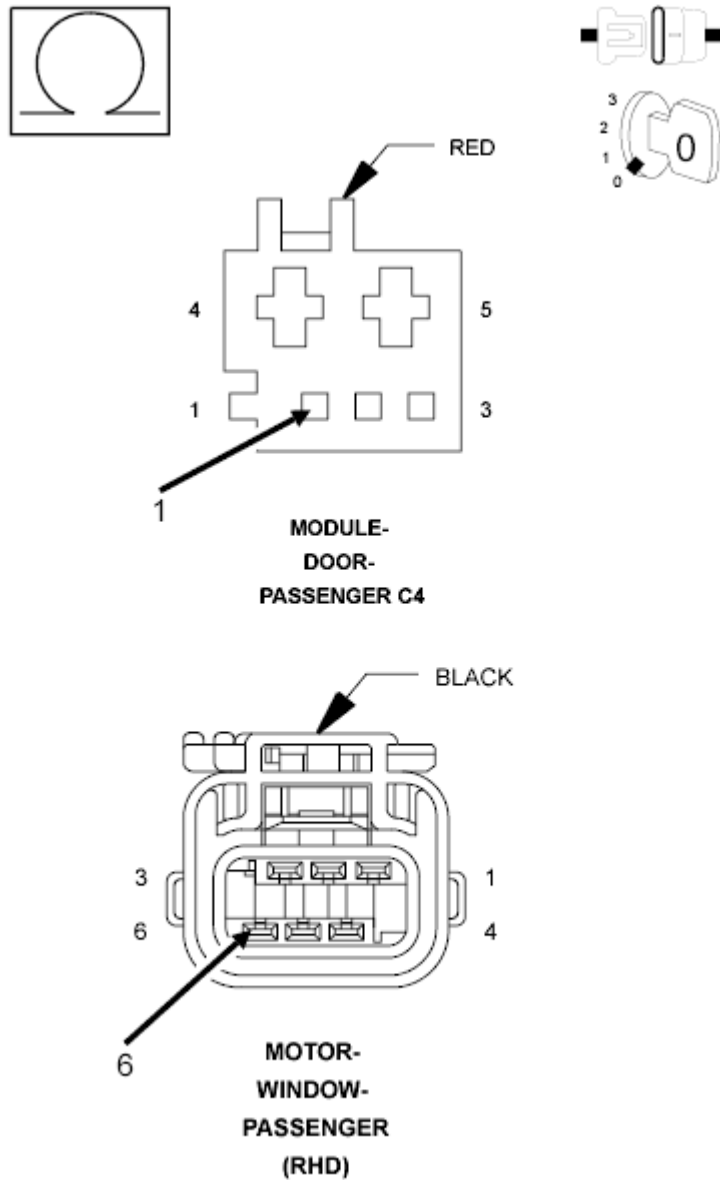
Yes

- Replace the Passenger Door Module (PDM) in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

No

- Repair the (Q306) Passenger Window Hall Sensor Supply circuit for an open.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

4. **(Q302) PASSENGER WINDOW HALL SENSOR A SIGNAL CIRCUIT OPEN**



103934

Fig. 69: Checking Passenger Window Hall Sensor A Signal Circuit Open
Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Disconnect the Passenger Door Module (PDM) C4 connector.
3. Measure the resistance of the (Q302) Passenger Window Hall Sensor A Signal circuit between the Module connector and the Motor connector.

Is the resistance below 2.0 ohms?

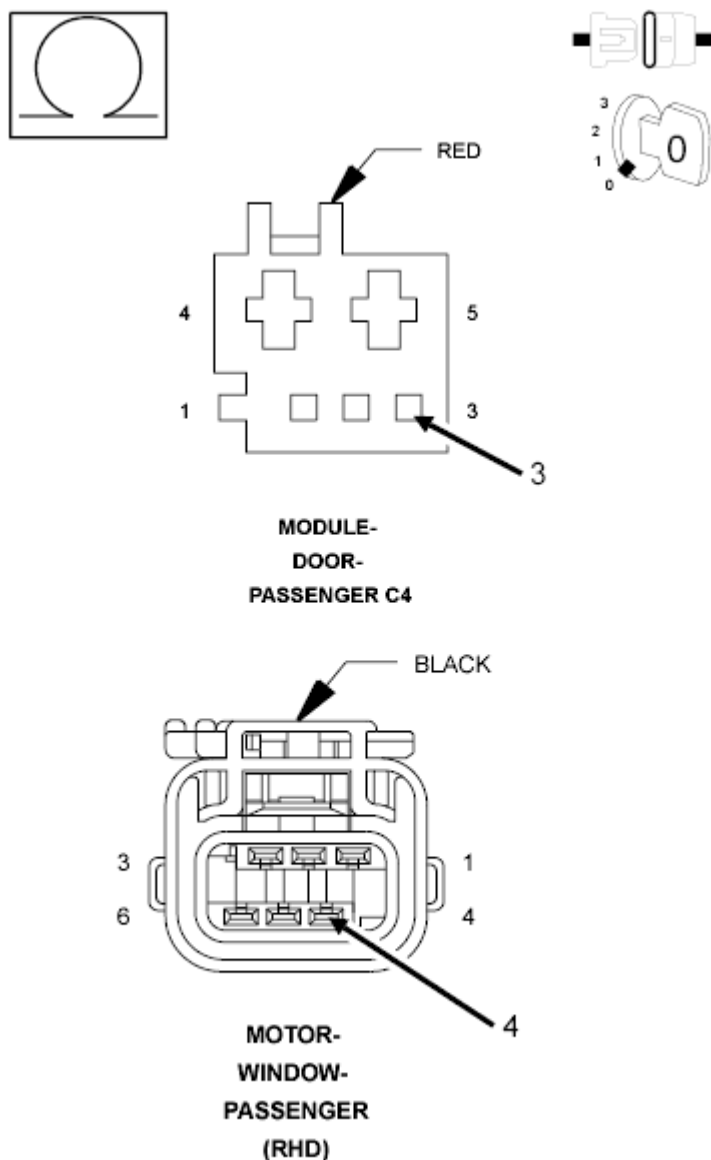
No

- Repair the (Q302) Passenger Window Hall Sensor Signal A circuit for an open.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.

Yes

- Go to step 5

5. (Q990) PASSENGER WINDOW HALL SENSOR RETURN CIRCUIT OPEN



103936

Fig. 70: Checking Passenger Window Hall Sensor Return Circuit Open
 Courtesy of CHRYSLER LLC

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

1. Measure the resistance of the (Q990) Passenger Window Hall Sensor Return circuit between the Module connector and the Motor connector.

Is the resistance below 2.0 ohms?

No

- Repair the (Q990) Passenger Window Hall Sensor Return circuit for an open.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

Yes

- Replace the Passenger Window Motor (regulator) in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

U0010-CAN INTERIOR BUS

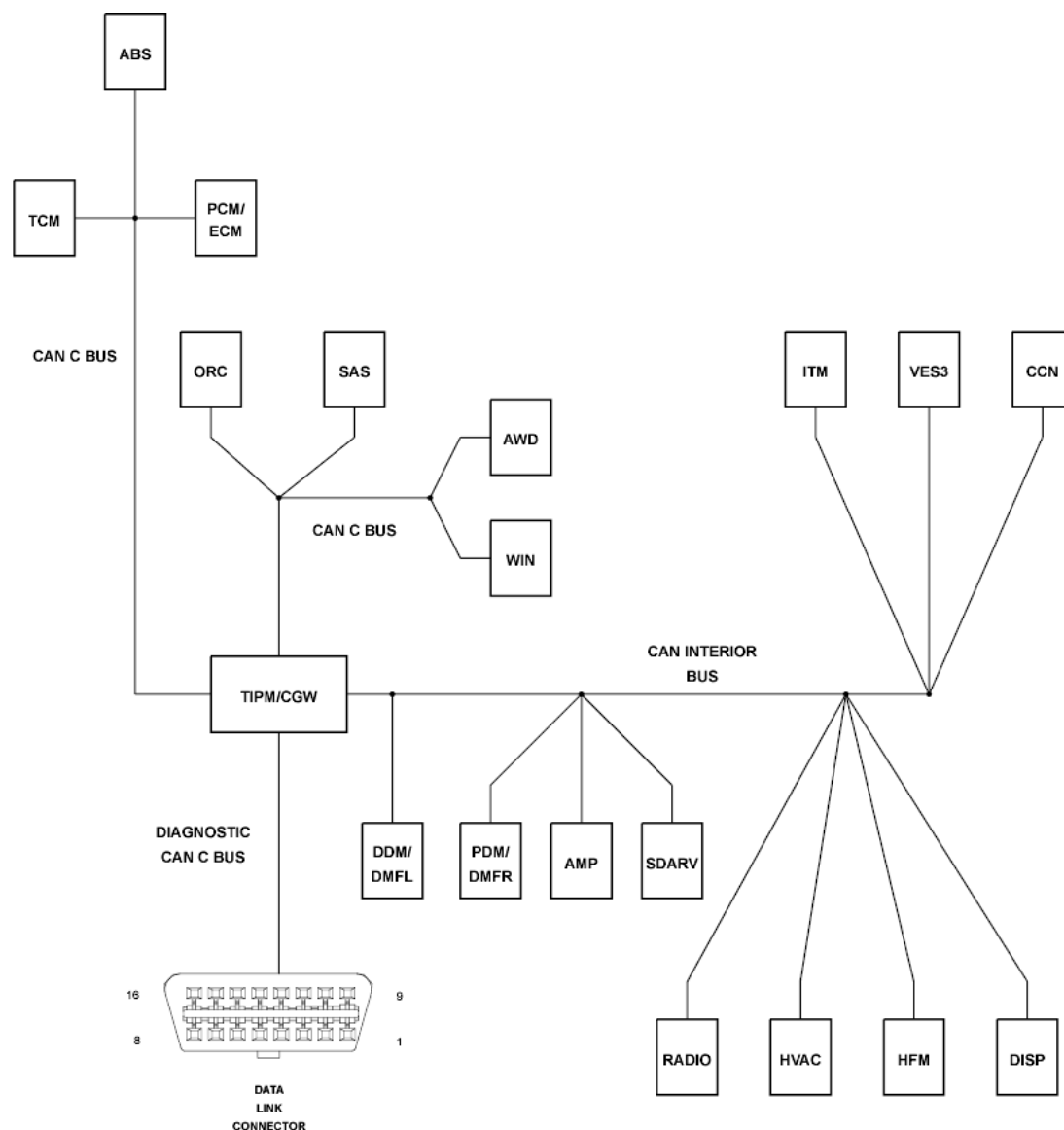


Fig. 71: CAN Interior Bus Circuit Schematic
 Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS**.

- **When Monitored:**

Continuously when the ignition is on.

Battery voltage between 10 and 16 volts.

IOD fuse installed.

- **Set Condition:**

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

The TIPM detects a short to ground on the CAN Interior Bus (125K) (+) circuit or a short to voltage on the CAN Interior Bus (125K) (-) circuit.

Possible Causes

(D265) CAN INTERIOR BUS (125K) (+) CIRCUIT SHORTED TO GROUND
(D264) CAN INTERIOR BUS (125K) (-) CIRCUIT SHORTED TO VOLTAGE
ANY CAN INTERIOR BUS MODULE
TOTALLY INTEGRATED POWER MODULE

Diagnostic Test

1. VERIFY DTC IS ACTIVE

NOTE: Ensure the IOD fuse is installed and the battery is fully charged before proceeding.

1. Turn the ignition on.
2. With the scan tool, read active Door Module DTCs.

Is this DTC active?

Yes

- Go to and perform the diagnostic procedure for this DTC. **Refer to DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Diagnosis and Testing** .

No

- Perform the Stored Lost Communication DTCs diagnostic test procedure. **Refer to Non-DTC Diagnostics/Communication - Diagnosis and Testing** .

U0011-CAN INTERIOR BUS OFF PERFORMANCE

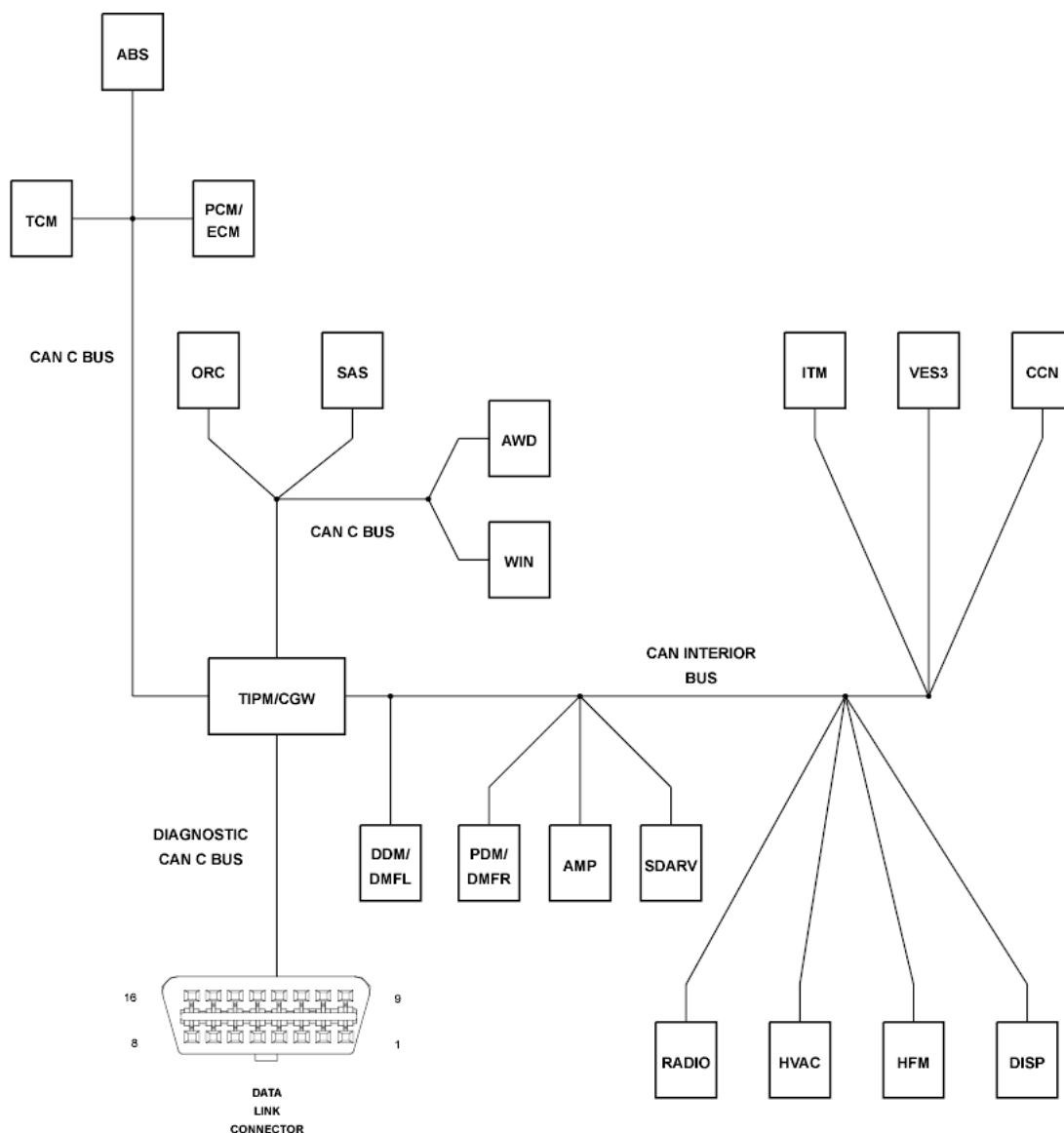


Fig. 72: CAN Interior Bus Circuit Schematic
 Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS**.

- **When Monitored:**

Continuously when the ignition is on.

Battery voltage between 10 and 16 volts.

IOD fuse installed.

- **Set Condition:**

A module detects the CAN Interior Bus circuits shorted to ground, shorted together or shorted to voltage.

Possible Causes
(D265) CAN INTERIOR BUS (125K) (+) CIRCUIT SHORTED TO GROUND
(D264) CAN INTERIOR BUS (125K) (-) CIRCUIT SHORTED TO GROUND
(D265) CAN INTERIOR BUS (125K) (+) CIRCUIT SHORTED TO (D264) CAN INTERIOR BUS (125K) (-) CIRCUIT
(D265) CAN INTERIOR BUS (125K) (+) CIRCUIT SHORTED TO VOLTAGE
(D264) CAN INTERIOR BUS (125K) (-) CIRCUIT SHORTED TO VOLTAGE
ANY CAN INTERIOR BUS MODULE
TOTALLY INTEGRATED POWER MODULE

Diagnostic Test

1. VERIFY DTC IS ACTIVE

NOTE: Ensure the IOD fuse is installed and the battery is fully charged before proceeding.

1. Turn the ignition on.
2. With the scan tool, read active Door Module DTCs.

Is this DTC active?

Yes

- Go to and perform the diagnostic procedure for this DTC. **Refer to DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Diagnosis and Testing** .

No

- Perform the Stored Lost Communication DTCs diagnostic test procedure. **Refer to Non-DTC Diagnostics/Communication - Diagnosis and Testing** .

U0141-LOST COMMUNICATION WITH FCM (TIPM)

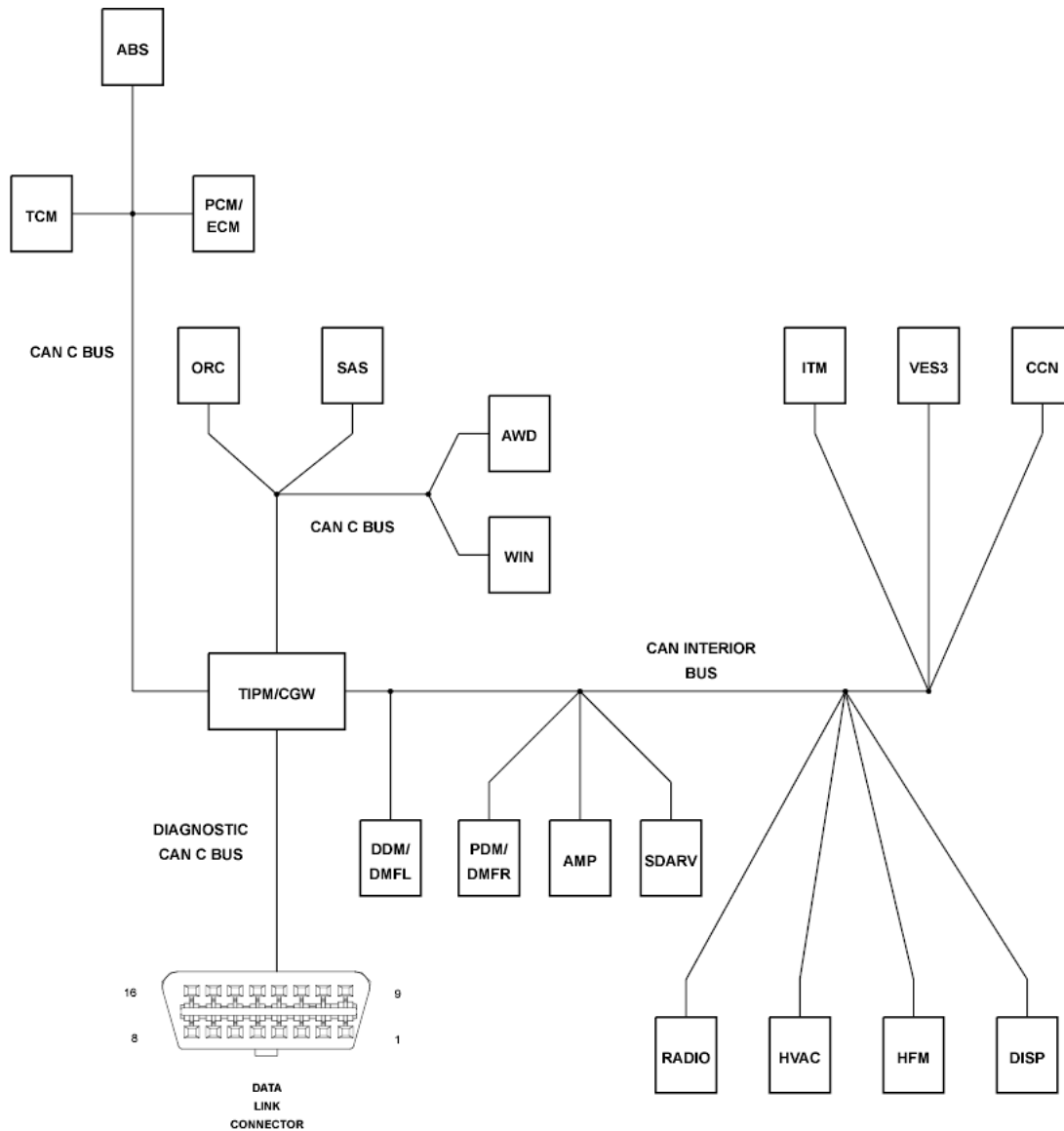


Fig. 73: CAN Interior Bus Circuit Schematic
Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS**.

- **When Monitored:**

Continuously when the ignition is on.

Battery voltage between 10 and 16 volts.

IOD fuse installed.

- **Set Condition:**

Bus messages not received from the Front Control Module (TIPM) for approximately 2 to 5 seconds.

Possible Causes
(D265) CAN INTERIOR BUS (+) (125k) CIRCUIT SHORTED TO VOLTAGE (D264) CAN INTERIOR BUS (-) (125k) CIRCUIT SHORTED TO GROUND DTCS RELATED TO BATTERY VOLTAGE, IGNITION, OR VIN MESSAGES TIPM NOT CONFIGURED CORRECTLY TIPM POWER AND GROUND TOTALLY INTEGRATED POWER MODULE (TIPM) MODULE THAT SET THE DTC

Diagnostic Test

1. VERIFY DTC IS ACTIVE

NOTE: Ensure the IOD fuse is installed and the battery is fully charged before proceeding.

1. Turn the ignition on.
2. With the scan tool, read active Door Module DTCs.

Is this DTC active?

Yes

- Go to and perform the diagnostic procedure for this DTC. **Refer to DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Diagnosis and Testing** .

No

- Perform the Stored Lost Communication DTCs diagnostic test procedure. **Refer to Non-DTC Diagnostics/Communication - Diagnosis and Testing** .

U0155-LOST COMMUNICATION WITH CLUSTER/CCN

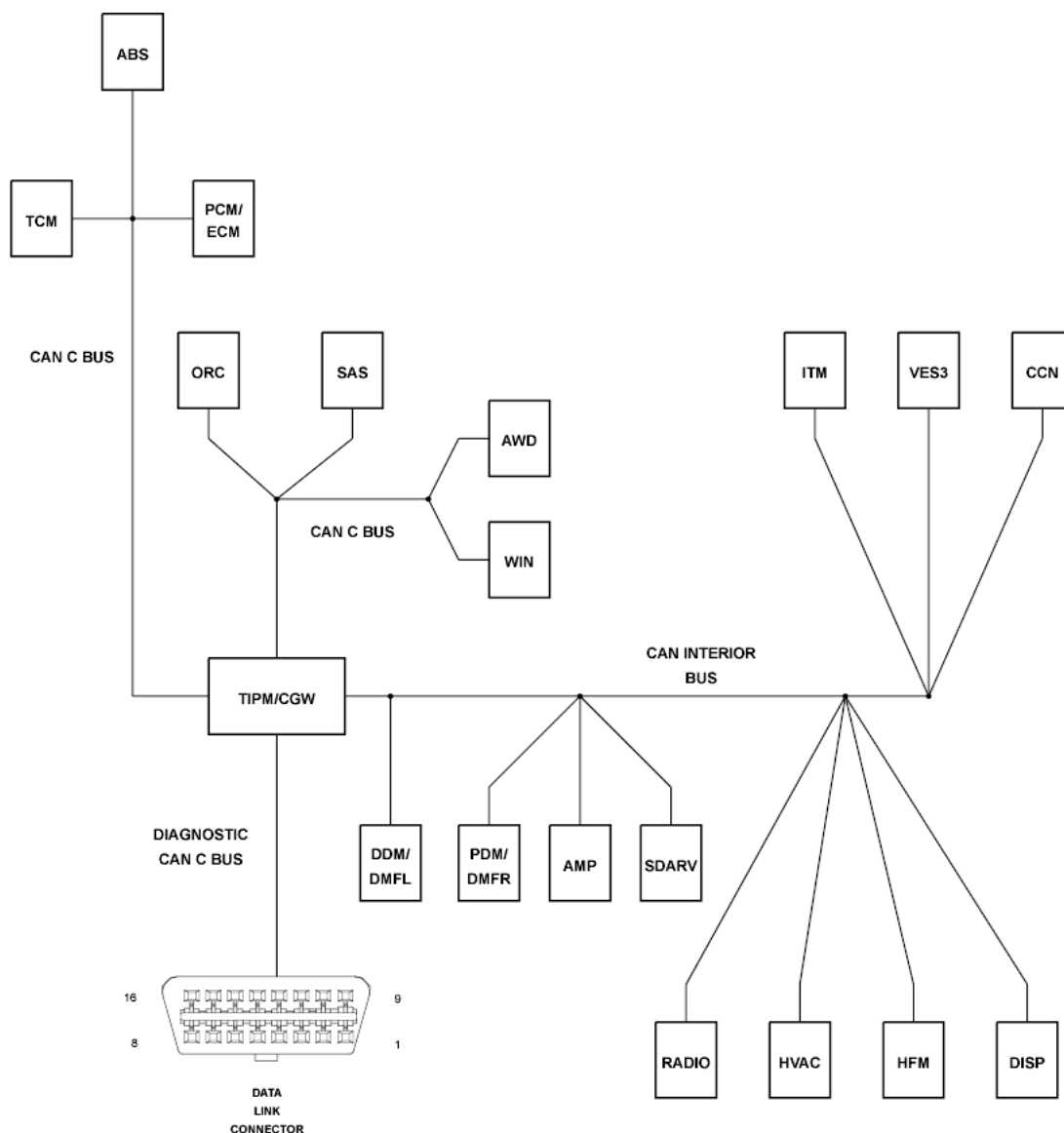


Fig. 74: CAN Interior Bus Circuit Schematic
 Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS**.

- **When Monitored:**

Continuously when the ignition is on.

The battery voltage is between 10 and 16 volts.

IOD fuse installed.

- **Set Condition:**

Bus messages not received from the Cluster for approximately two to five seconds.

Possible Causes
(D265) CAN INTERIOR BUS (+) (125k) CIRCUIT SHORTED TO VOLTAGE (D264) CAN INTERIOR BUS (-) (125k) CIRCUIT SHORTED TO GROUND DTCS RELATED TO BATTERY VOLTAGE, IGNITION, OR VIN MESSAGES TIPM NOT CONFIGURED CORRECTLY CLUSTER POWER AND GROUND CLUSTER (CCN) CONTROL MODULE THAT SET THE DTC

Diagnostic Test

1. VERIFY DTC IS ACTIVE

NOTE: Make sure the IOD fuse is installed and the battery is fully charged before proceeding.

1. Turn the ignition on.
2. With the scan tool, read the active DTCs.

Is this DTC active?

Yes

- Refer to DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Diagnosis and Testing and perform the U0155-LOST COMMUNICATION WITH CLUSTER/CCN diagnostic procedure.

No

- Perform the Stored Lost Communication DTCs diagnostic procedure. Refer to Non-DTC Diagnostics/Communication - Diagnosis and Testing.

U0164-LOST COMMUNICATION WITH HVAC CONTROL MODULE

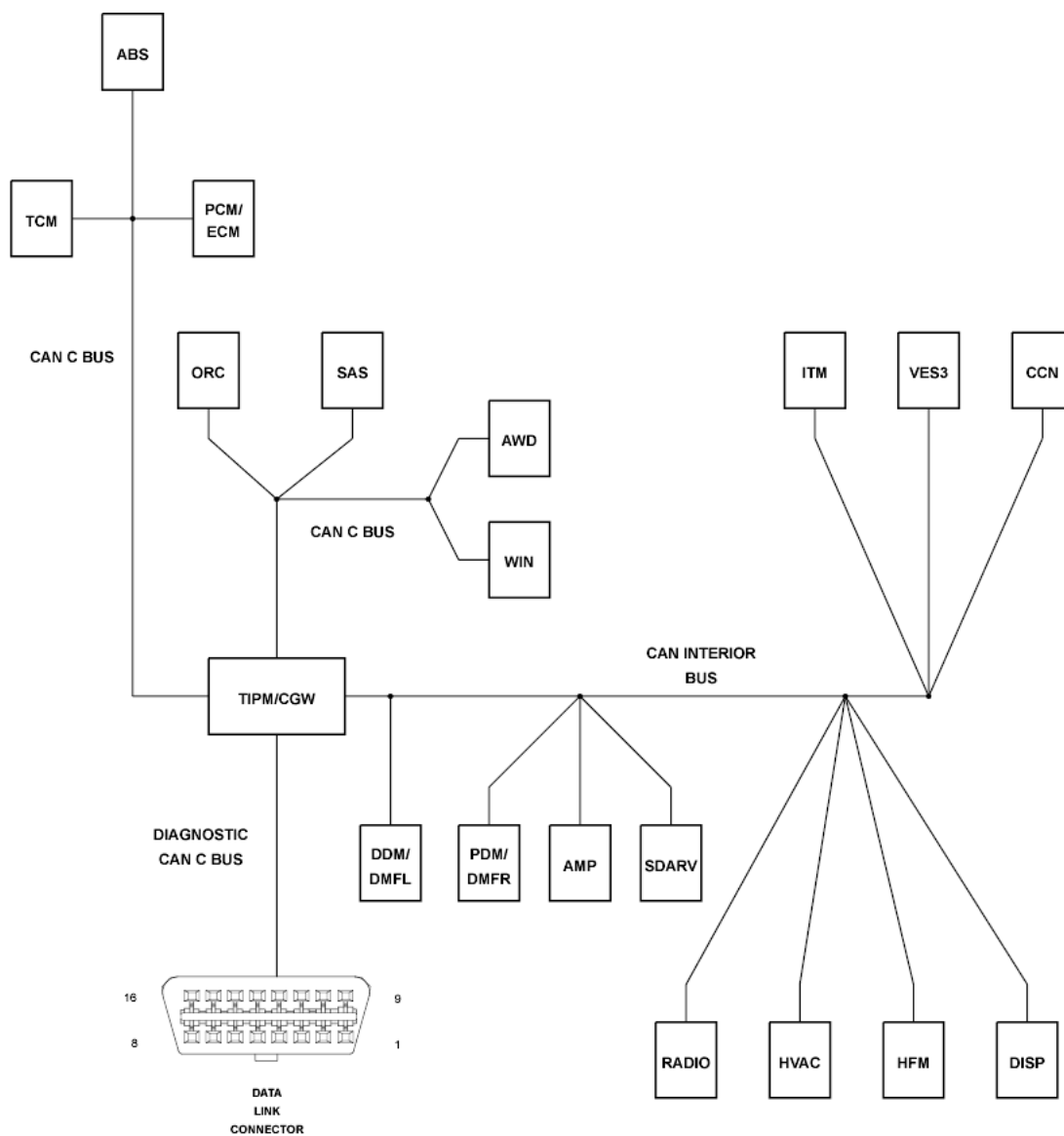


Fig. 75: CAN Interior Bus Circuit Schematic
 Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS**.

• **When Monitored:**

Continuously when the ignition is on.

The battery voltage between 10 volts and 16 volts.

IOD fuse installed.

• **Set Condition:**

Bus messages not received from the HVAC Control Module for approximately two to five seconds.

Possible Causes
(D265) CAN INTERIOR BUS (+) (125k) CIRCUIT SHORTED TO VOLTAGE (D264) CAN INTERIOR BUS (-) (125k) CIRCUIT SHORTED TO GROUND DTCS RELATED TO BATTERY VOLTAGE, IGNITION, OR VIN MESSAGES TIPM NOT CONFIGURED CORRECTLY HVAC POWER AND GROUND HVAC CONTROL MODULE MODULE THAT SET THE DTC

Diagnostic Test

1. VERIFY DTC IS ACTIVE

NOTE: Make sure the IOD fuse is installed and the battery is fully charged before proceeding.

1. Turn the ignition on.
2. With the scan tool, read the active Door Module DTCs.

Is this DTC active?

Yes

- Refer to DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Diagnosis and Testing and perform the U0164-LOST COMMUNICATION WITH HVAC CONTROL MODULE diagnostic procedure.

No

- Perform the Stored Lost Communication DTCs diagnostic test procedure. Refer to Non-DTC Diagnostics/Communication - Diagnosis and Testing .

U0167-LOST COMMUNICATION WITH INTRUSION TRANSCEIVER CONTROL MODULE

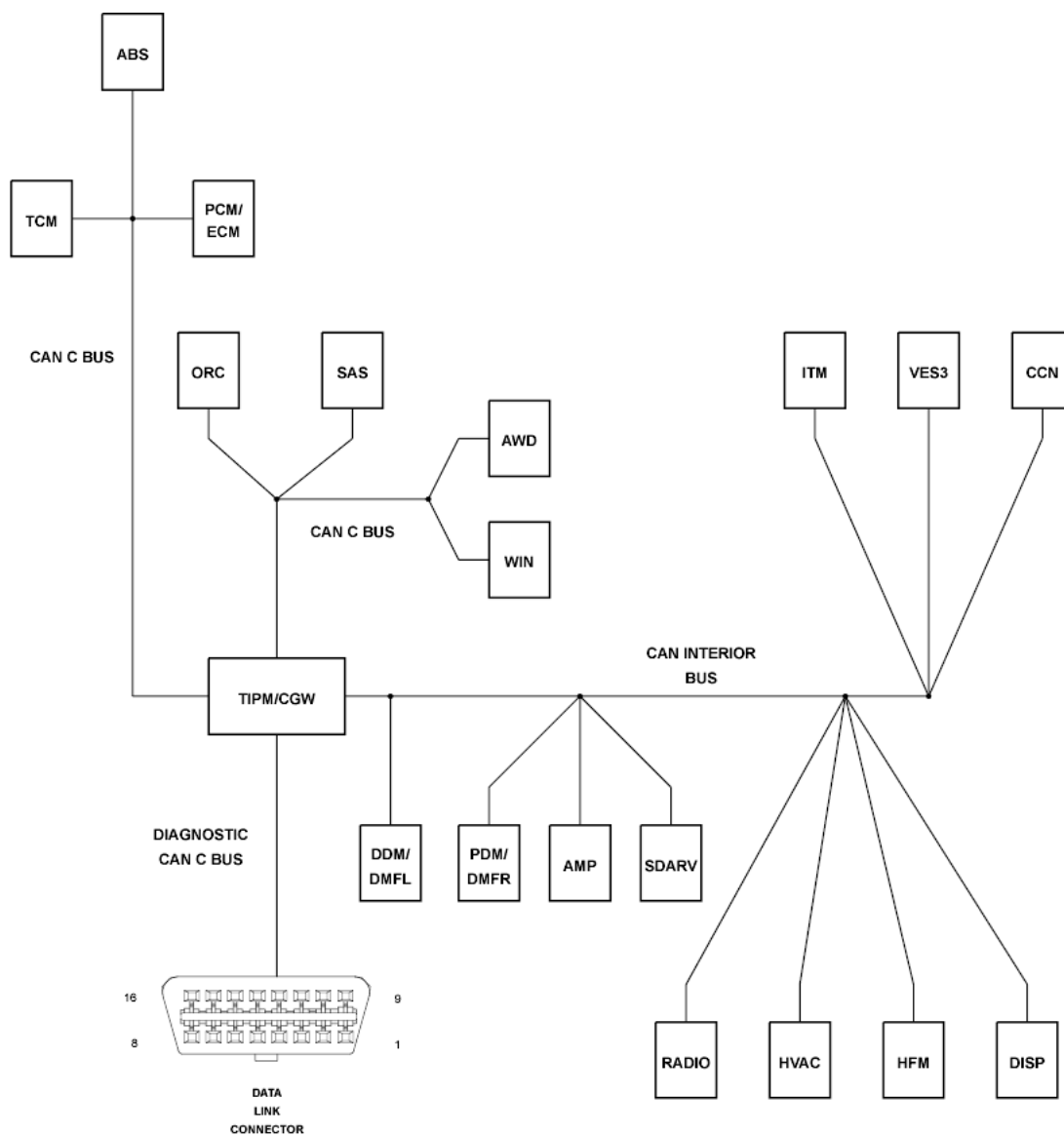


Fig. 76: CAN Interior Bus Circuit Schematic
 Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS**.

• **When Monitored:**

Continuously when the ignition is on.

The battery voltage between 10 and 16 volts.

Ignition Off Draw (IOD) fused installed.

• **Set Condition:**

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

Bus messages not received from the Intrusion Transceiver Control Module (ITM) for approximately two to five seconds.

Possible Causes

(D265) CAN INTERIOR BUS (+) (125k) CIRCUIT SHORTED TO VOLTAGE
(D264) CAN INTERIOR BUS (-) (125k) CIRCUIT SHORTED TO GROUND
DTCS RELATED TO BATTERY VOLTAGE, IGNITION, OR VIN MESSAGES
TIPM NOT CONFIGURED CORRECTLY
ITM POWER AND GROUND
INTRUSION TRANSCEIVER
CONTROL MODULE THAT SET THE DTC

Diagnostic Test

1. VERIFY DTC IS ACTIVE

NOTE: Make sure the IOD fuse is installed and the battery is fully charged before proceeding.

1. Turn the ignition on.
2. With the scan tool, read the active Door Module DTCs.

Is this DTC active?

Yes

- Refer to DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Diagnosis and Testing and perform the U0167-LOST COMMUNICATION WITH INTRUSION TRANSCEIVER CONTROL MODULE diagnostic procedure.

No

- Perform the Stored Lost Communication DTCs diagnostic procedure. Refer to Non-DTC Diagnostics/Communication - Diagnosis and Testing .

U0184-LOST COMMUNICATION WITH RADIO

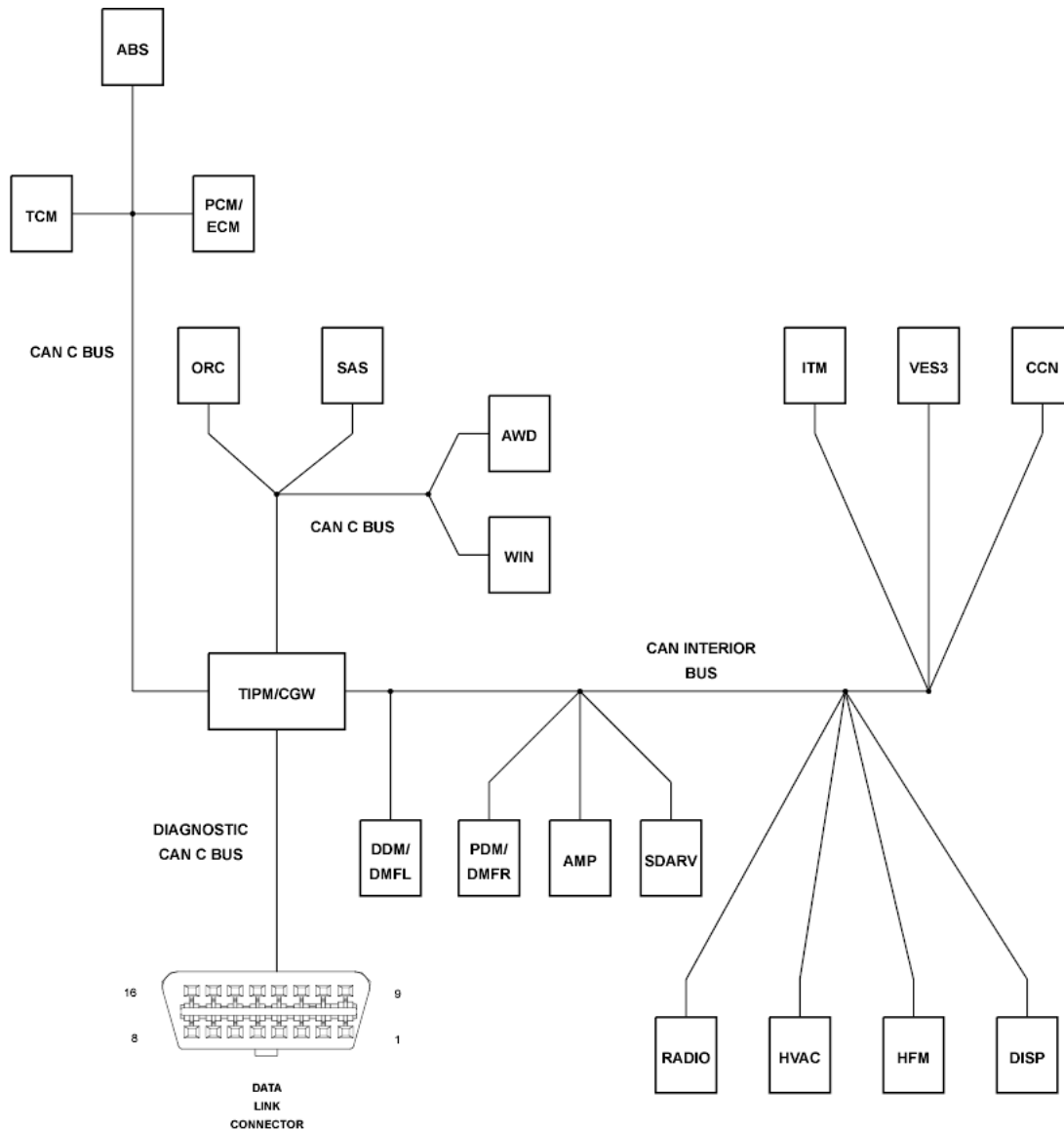


Fig. 77: CAN Interior Bus Circuit Schematic
Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS**.

- **When Monitored:**

Continuously when the ignition is on.

The battery voltage between 10 and 16 volts.

Ignition Off Draw (IOD) fused installed.

- **Set Condition:**

Bus messages not received from the Radio for approximately two to five seconds.

Possible Causes
(D265) CAN INTERIOR BUS (+) (125k) CIRCUIT SHORTED TO VOLTAGE (D264) CAN INTERIOR BUS (-) (125k) CIRCUIT SHORTED TO GROUND DTCS RELATED TO BATTERY VOLTAGE, IGNITION, OR VIN MESSAGES TIPM NOT CONFIGURED CORRECTLY RADIO POWER AND GROUND RADIO CONTROL MODULE THAT SET THE DTC

Diagnostic Test

1. VERIFY DTC IS ACTIVE

NOTE: Make sure the IOD fuse is installed and the battery is fully charged before proceeding.

1. Turn the ignition on.
2. With the scan tool, read the active Door Module DTCs.

Is this DTC active?

Yes

- Refer to DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Diagnosis and Testing and perform the U0184-LOST COMMUNICATION WITH RADIO diagnostic procedure.

No

- Perform the Stored Lost Communication DTCs diagnostic procedure. Refer to Non-DTC Diagnostics/Communication - Diagnosis and Testing .

U0186-LOST COMMUNICATION WITH AUDIO AMPLIFIER

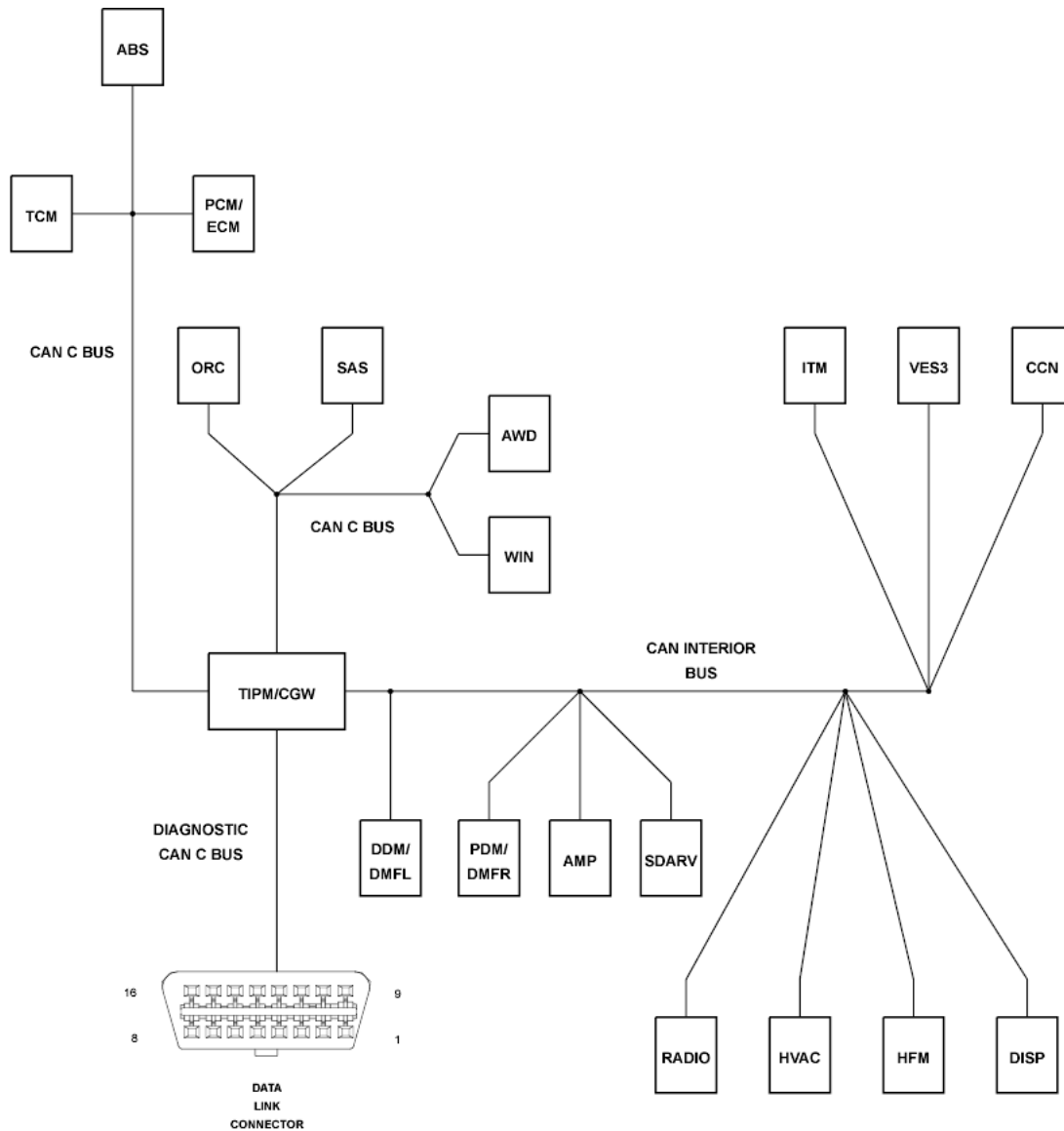


Fig. 78: CAN Interior Bus Circuit Schematic
Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS**.

- **When Monitored:**

Continuously when the ignition is on.

The battery voltage is between 10 and 16 volts.

Ignition Off Draw (IOD) fused installed.

- **Set Condition:**

Bus messages not received from the Audio Amplifier (AMP) for approximately two to five seconds.

Possible Causes
(D265) CAN INTERIOR BUS (+) (125k) CIRCUIT SHORTED TO VOLTAGE (D264) CAN INTERIOR BUS (-) (125k) CIRCUIT SHORTED TO GROUND DTCS RELATED TO BATTERY VOLTAGE, IGNITION, OR VIN MESSAGES TIPM NOT CONFIGURED CORRECTLY AMP POWER AND GROUND AUDIO AMPLIFIER CONTROL MODULE THAT SET THE DTC

Diagnostic Test

1. VERIFY DTC IS ACTIVE

NOTE: Make sure the IOD fuse is installed and the battery is fully charged before proceeding.

1. Turn the ignition on.
2. With the scan tool, read active Door Module DTCs.

Is this DTC active?

Yes

- Refer to DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Diagnosis and Testing and perform the U0186-LOST COMMUNICATION WITH AUDIO AMPLIFIER diagnostic procedure.

No

- Perform the Stored Lost Communication DTCs diagnostic procedure. Refer to Non-DTC Diagnostics/Communication - Diagnosis and Testing .

U0197-LOST COMMUNICATION WITH HANDS FREE PHONE MODULE

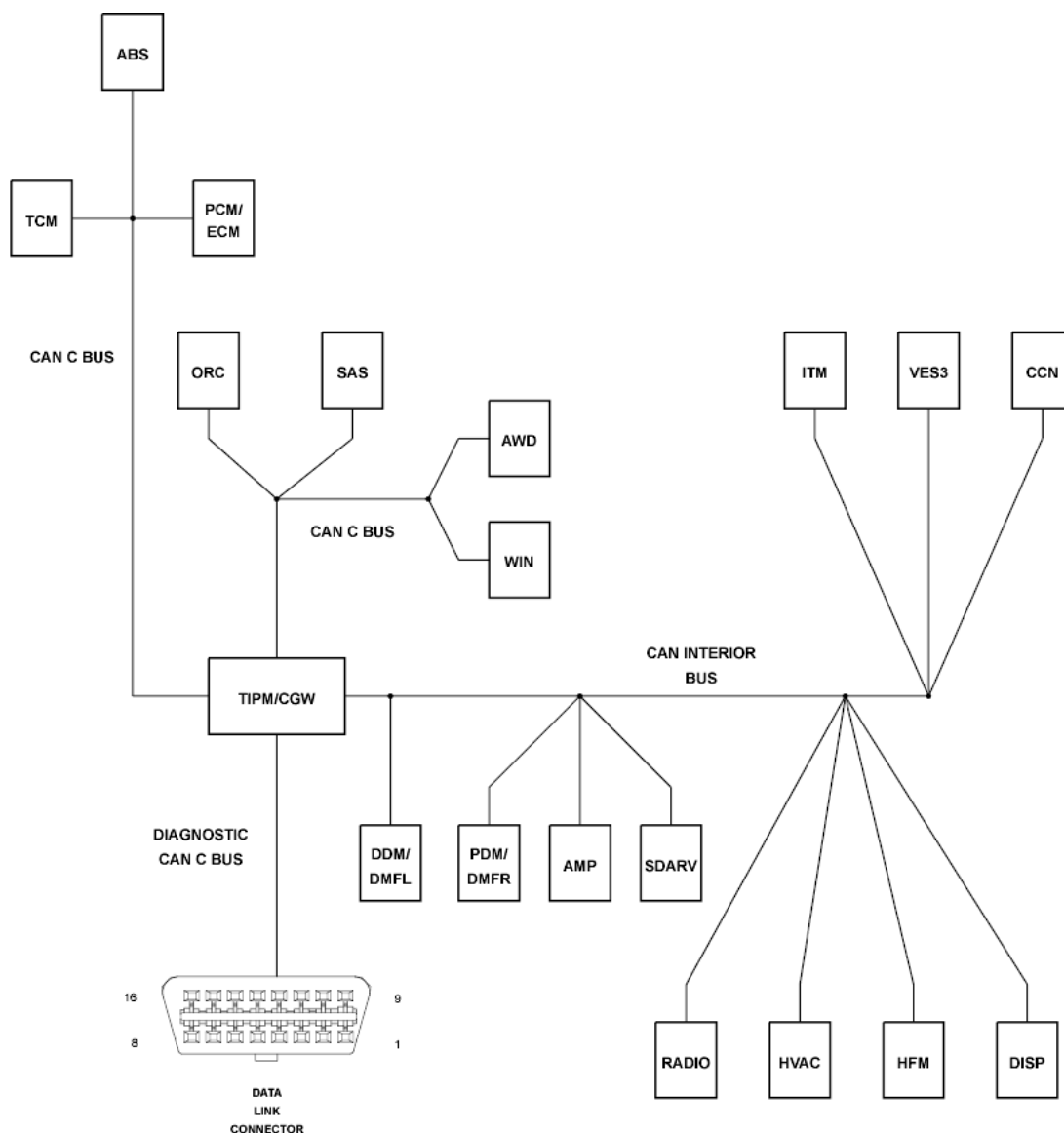


Fig. 79: CAN Interior Bus Circuit Schematic
 Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS**.

- **When Monitored:**

Continuously when the ignition is on.

The battery voltage is between 10 volts and 16 volts.

Ignition Off Draw (IOD) fused installed.

- **Set Condition:**

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

Bus messages not received from the Hands Free Phone Module (HFM) for approximately two to five seconds.

Possible Causes

(D265) CAN INTERIOR BUS (+) (125k) CIRCUIT SHORTED TO VOLTAGE
(D264) CAN INTERIOR BUS (-) (125k) CIRCUIT SHORTED TO GROUND
DTCS RELATED TO BATTERY VOLTAGE, IGNITION, OR VIN MESSAGES
TIPM NOT CONFIGURED CORRECTLY
HFM POWER AND GROUND
HANDS FREE PHONE MODULE (HFM)
CONTROL MODULE THAT SET THE DTC

Diagnostic Test

1. VERIFY DTC IS ACTIVE

NOTE: Make sure the IOD fuse is installed and the battery is fully charged before proceeding.

1. Turn the ignition on.
2. With the scan tool, read the active Door Module DTCs.

Is this DTC active?

Yes

- Refer to DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Diagnosis and Testing and perform the U0197-LOST COMMUNICATION WITH HANDS FREE PHONE MODULE diagnostic procedure.

No

- Perform the Stored Lost Communication DTCs diagnostic procedure. Refer to Non-DTC Diagnostics/Communication - Diagnosis and Testing .

U0203-LOST COMMUNICATION WITH DOOR MODULE FRONT LEFT

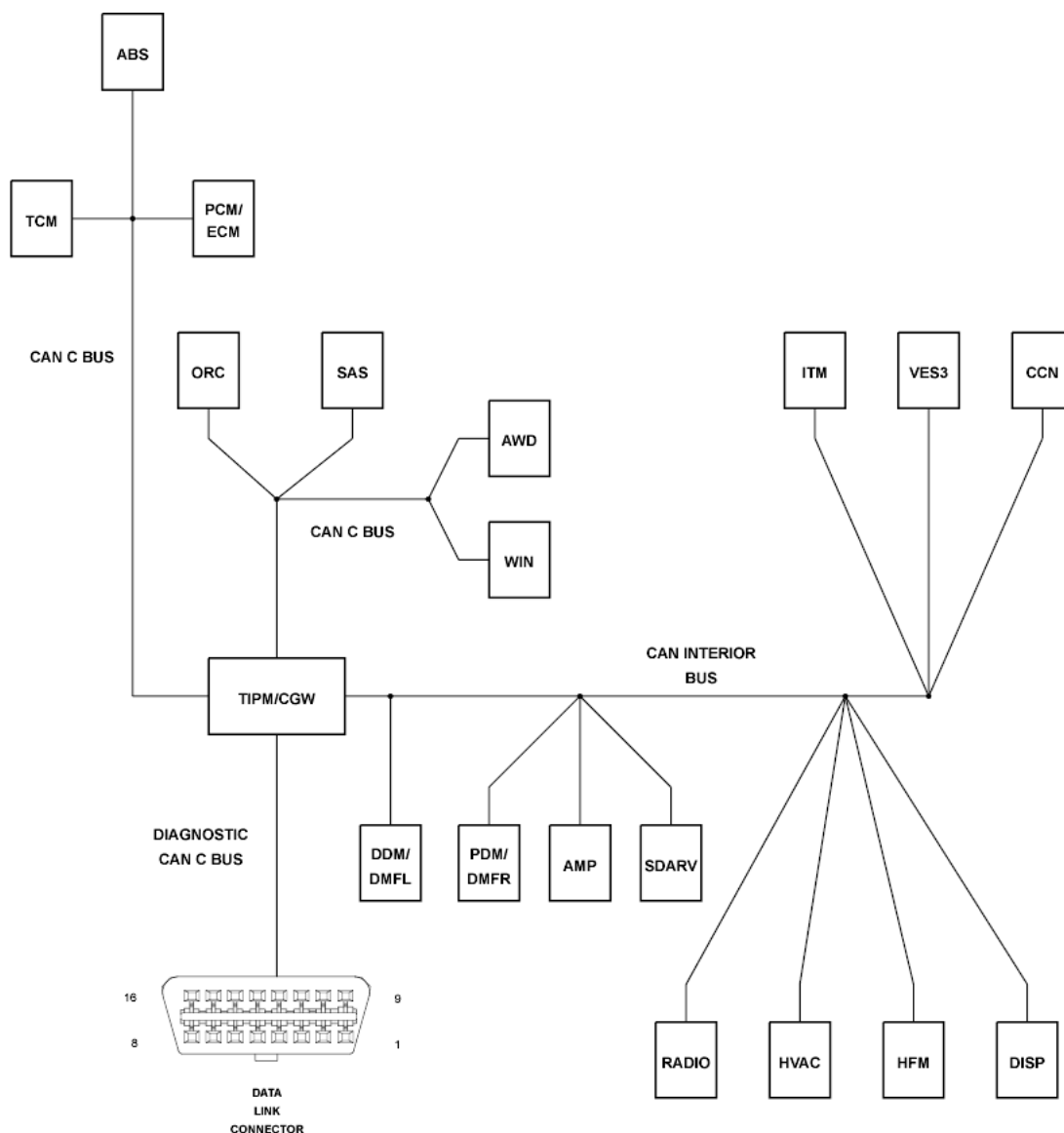


Fig. 80: CAN Interior Bus Circuit Schematic
 Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS**.

- **When Monitored:**

Continuously when the ignition is on.

Battery voltage between 10 volts and 16 volts.

Ignition Off Draw (IOD) fuse installed.

- **Set Condition:**

Bus messages not received from the Left Front Door Module (DMFL) for approximately two to five seconds.

Possible Causes

(D265) CAN INTERIOR BUS (+) (125k) CIRCUIT SHORTED TO VOLTAGE
 (D264) CAN INTERIOR BUS (-) (125k) CIRCUIT SHORTED TO GROUND
 DTCS RELATED TO BATTERY VOLTAGE, IGNITION, OR VIN MESSAGES
 TIPM NOT CONFIGURED CORRECTLY
 DOOR MODULE POWER AND GROUND
 LEFT FRONT DOOR MODULE
 CONTROL MODULE THAT SET THE DTC

Diagnostic Test

1. VERIFY DTC IS ACTIVE

NOTE: Make sure the IOD fuse is installed and the battery is fully charged before proceeding.

1. Turn the ignition on.
2. With the scan tool, read active Door Module DTCs.

Is this DTC active?

Yes

- Refer to DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Diagnosis and Testing and perform the U0203-LOST COMMUNICATION WITH DOOR MODULE FRONT LEFT diagnostic procedure.

No

- Perform the Stored Lost Communication DTCs diagnostic procedure. Refer to Non-DTC Diagnostics/Communication - Diagnosis and Testing .

U0204-LOST COMMUNICATION WITH DOOR MODULE FRONT RIGHT

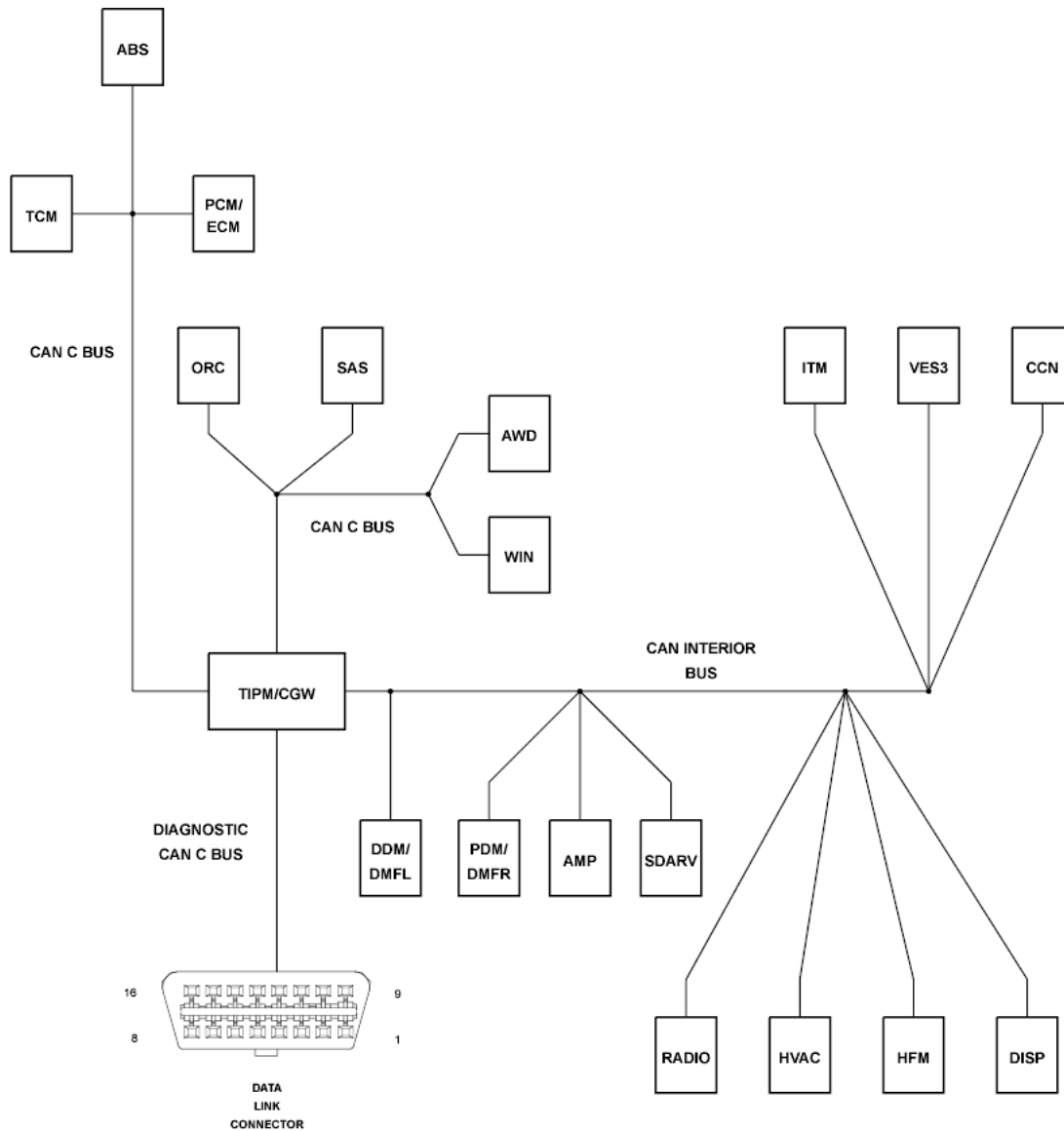


Fig. 81: CAN Interior Bus Circuit Schematic
Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS**.

- **When Monitored:**

Continuously when the ignition is on.

Battery voltage between 10 volts and 16 volts.

Ignition Off Draw (IOD) fuse installed.

- **Set Condition:**

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Passenger Door Module (PDM) (DMFL/R) - Electrical Diagnostics - Journey

Bus messages not received from the Right Front Door Module (DMFR) for approximately two to five seconds.

Possible Causes

(D265) CAN INTERIOR BUS (+) (125k) CIRCUIT SHORTED TO VOLTAGE
(D264) CAN INTERIOR BUS (-) (125k) CIRCUIT SHORTED TO GROUND
DTCS RELATED TO BATTERY VOLTAGE, IGNITION, OR VIN MESSAGES
TIPM NOT CONFIGURED CORRECTLY
DOOR MODULE POWER AND GROUND
RIGHT FRONT DOOR MODULE
CONTROL MODULE THAT SET THE DTC

Diagnostic Test

1. VERIFY DTC IS ACTIVE

NOTE: Make sure the IOD fuse is installed and the battery is fully charged before proceeding.

1. Turn the ignition on.
2. With the scan tool, read active Door Module DTCs.

Is this DTC active?

Yes

- Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Diagnosis and Testing** and perform the **U0204-LOST COMMUNICATION WITH DOOR MODULE FRONT RIGHT** diagnostic procedure.

No

- Perform the Stored Lost Communication DTCs diagnostic procedure. Refer to **Non-DTC Diagnostics/Communication - Diagnosis and Testing** .

U0249-LOST COMMUNICATION WITH VEHICLE ENTERTAINMENT CONTROL MODULE - LAST ROW

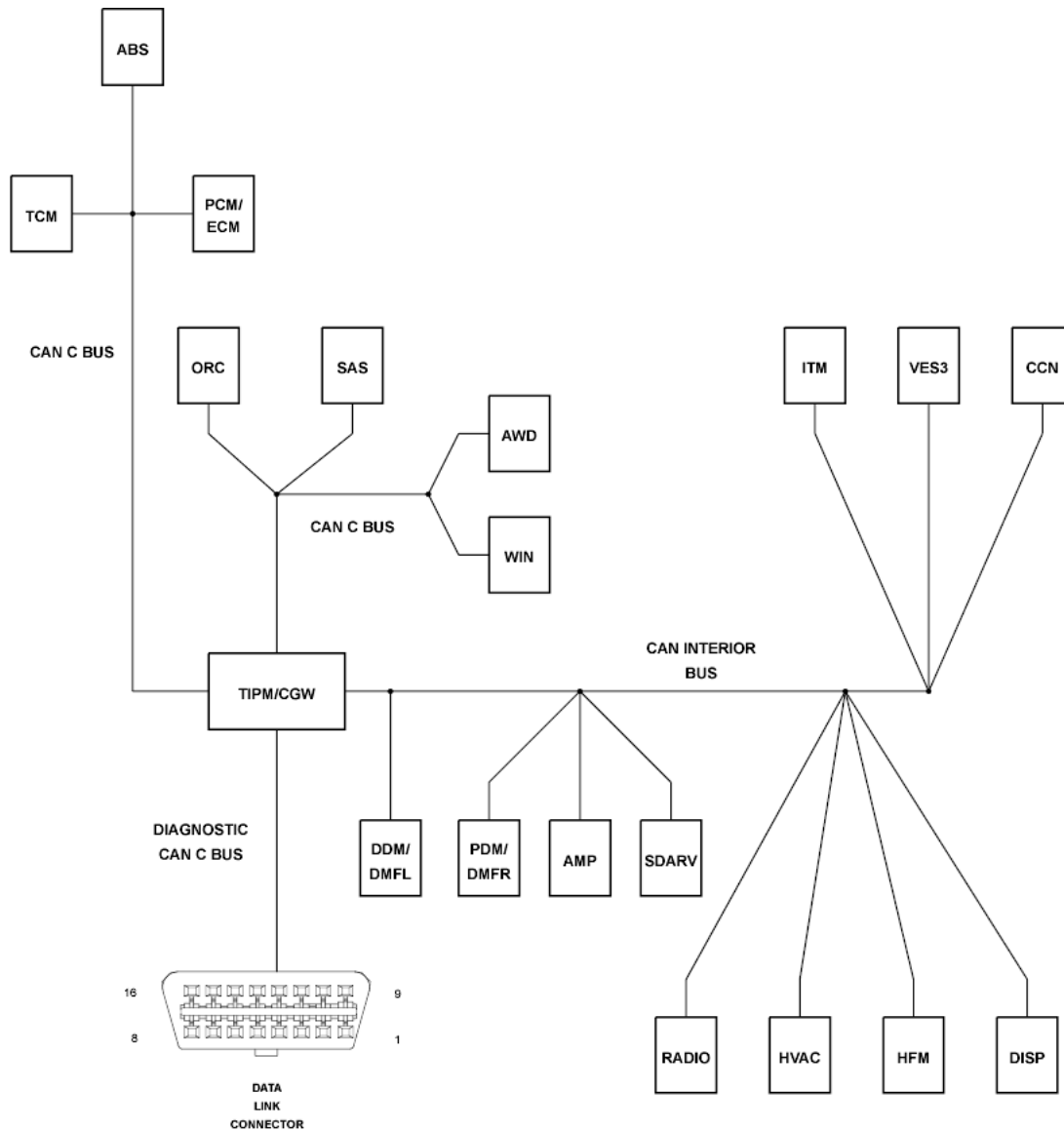


Fig. 82: CAN Interior Bus Circuit Schematic
Courtesy of CHRYSLER LLC

For complete wiring diagrams, refer to **SYSTEM WIRING DIAGRAMS**.

• **When Monitored:**

Continuously when the ignition is on.

Battery voltage between 10 volts and 16 volts.

Ignition Off Draw (IOD) fuse installed.

• **Set Condition:**

Bus messages not received from the Vehicle Entertainment Control Module - Last Row (VES3) for approximately two to five seconds.

Possible Causes

(D265) CAN INTERIOR BUS (+) (125k) CIRCUIT SHORTED TO VOLTAGE
 (D264) CAN INTERIOR BUS (-) (125k) CIRCUIT SHORTED TO GROUND
 DTCS RELATED TO BATTERY VOLTAGE, IGNITION, OR VIN MESSAGES
 TIPM NOT CONFIGURED CORRECTLY
 VES3 MODULE POWER AND GROUND
 VEHICLE ENTERTAINMENT CONTROL MODULE - LAST ROW
 CONTROL MODULE THAT SET THE DTC

Diagnostic Test

1. VERIFY DTC IS ACTIVE

NOTE: Make sure the IOD fuse is installed and the battery is fully charged before proceeding.

1. Turn the ignition on.
2. With the scan tool, read active Door Module DTCs.

Is this DTC active?

Yes

- Refer to DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Diagnosis and Testing and perform the U0249-LOST COMMUNICATION WITH VEHICLE ENTERTAINMENT CONTROL MODULE - LAST ROW diagnostic procedure.

No

- Perform the Stored Lost Communication DTCs diagnostic procedure. Refer to Non-DTC Diagnostics/Communication - Diagnosis and Testing .