

2009 Dodge Journey R/T
2009 ACCESSORIES AND EQUIPMENT Audio/Video - Non-DTC Diagnostics - Journey

2009 ACCESSORIES AND EQUIPMENT

Audio/Video - Non-DTC Diagnostics - Journey

DIAGNOSIS AND TESTING

REAR CAMERA INOPERATIVE

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Audio/Video - Non-DTC Diagnostics - Journey

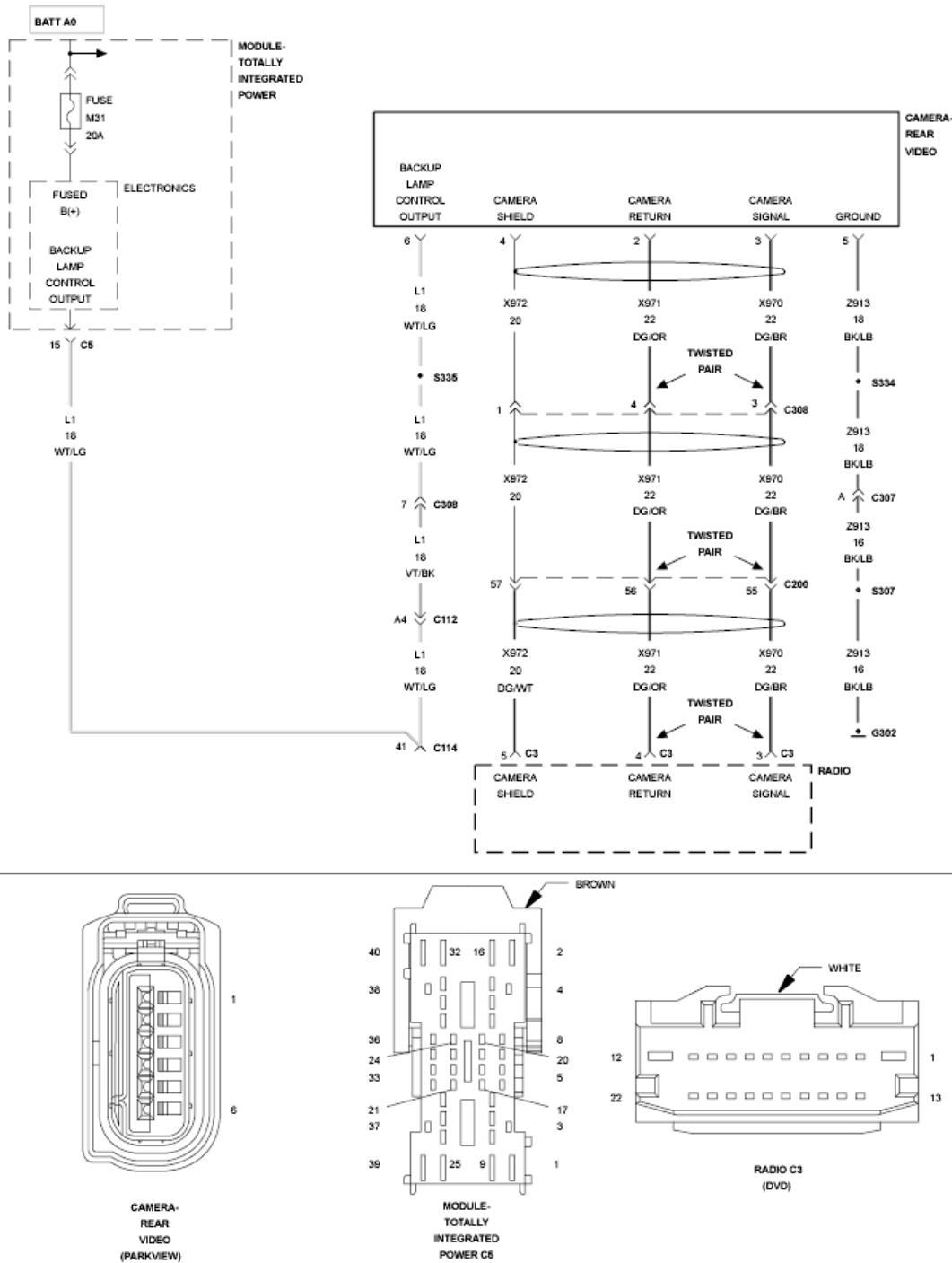


Fig. 1: Rear Camera Circuit Schematic
Courtesy of CHRYSLER LLC

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

- **When Monitored:**

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Ignition on, vehicle in reverse.

- **Set Condition:**

No rear picture is displayed on radio with the vehicle in reverse.

Possible Causes
(L1) BACKUP LAMP FEED CIRCUIT (Z913) GROUND CIRCUIT (X970) CAMERA SIGNAL CIRCUIT (X971) CAMERA RETURN CIRCUIT CAMERA SHIELD REAR VIDEO CAMERA

Diagnostic Test

1. VERIFY OPERATION OF THE RADIO AND BACKUP LAMPS

1. Verify the operation of the Radio and Backup Lamps.

Do the Radio and Backup Lamps operate correctly?

Yes

- Go to step 2

No

- Diagnose any problems with the Radio and Backup Lamps.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

2. (L1) BACKUP LAMP FEED CIRCUIT

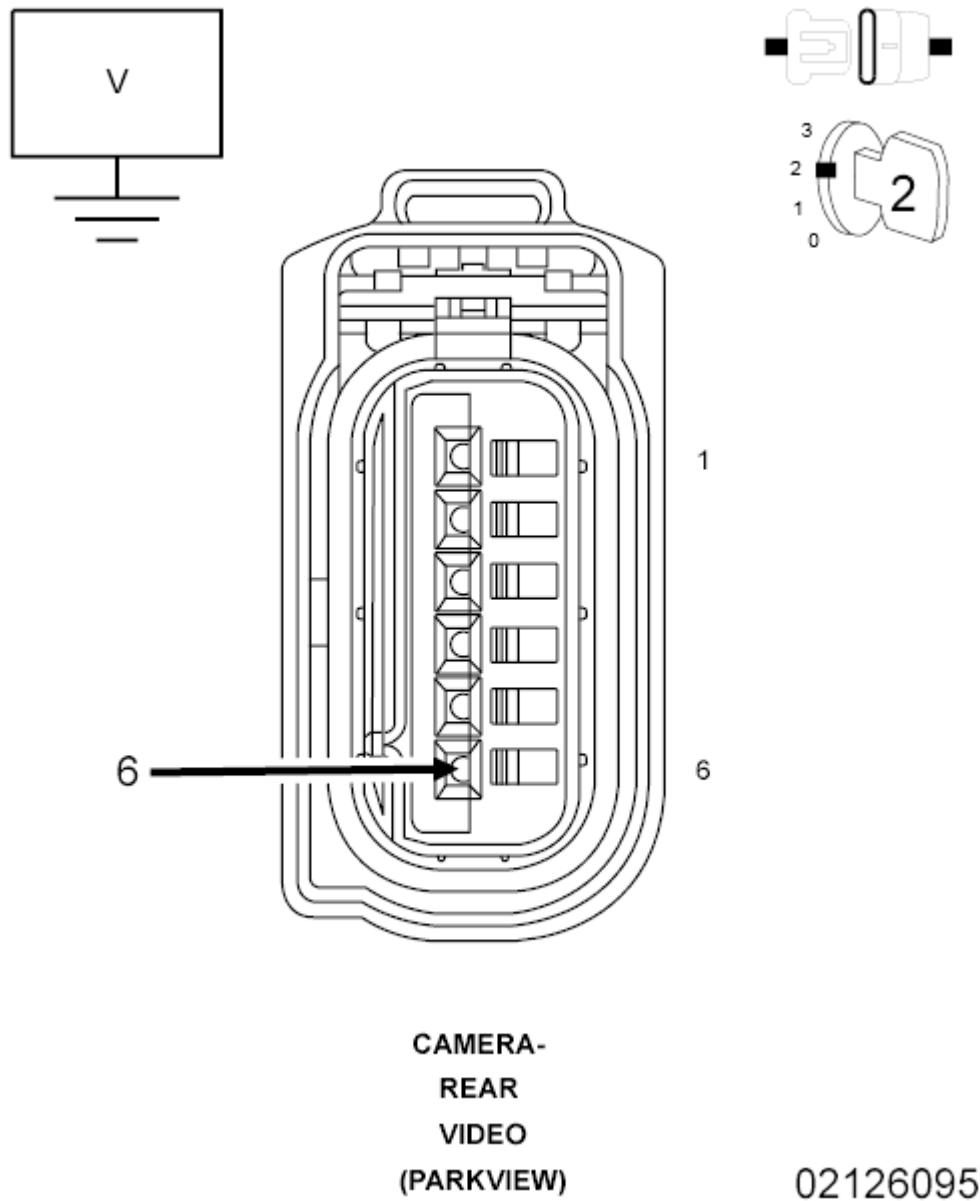


Fig. 2: Checking Backup Lamp Feed Circuit For Open
Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Apply the parking brake.
3. Disconnect the Rear Video Camera harness connector.
4. Turn the ignition on.
5. Shift the vehicle into reverse.
6. Measure the voltage of the (L1) Backup Lamp Feed circuit.

Is battery voltage present?

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Yes

- Go to step 3

No

- Using the wiring diagrams as a guide, repair the (L1) Backup Lamp Feed circuit for an open.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

3. (Z913) GROUND CIRCUIT

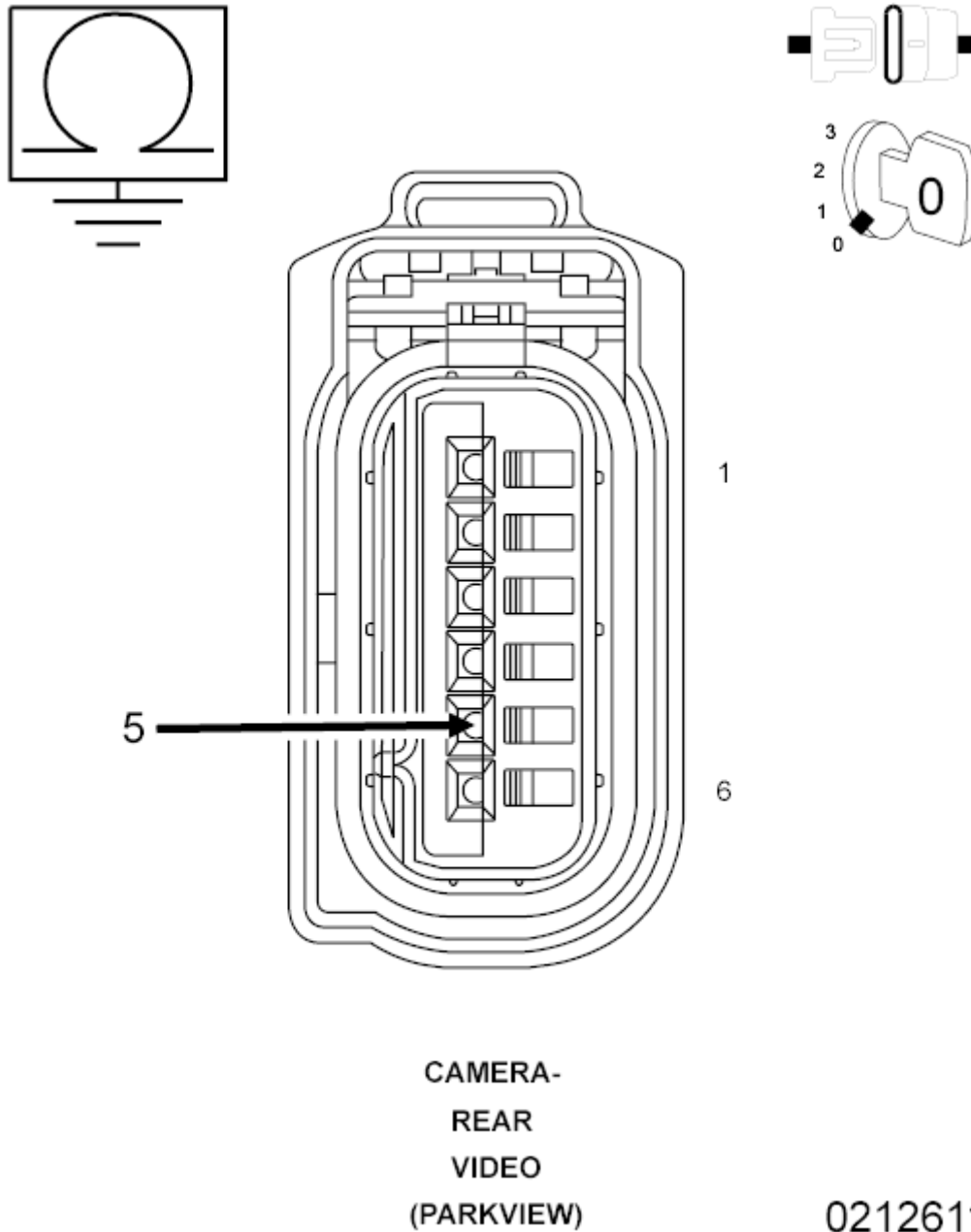


Fig. 3: Checking Ground Circuit For Open
Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Measure the resistance between ground and the (Z913) Ground Circuit.

Is the resistance below 10.0 Ohms?

Yes

- Go to step 4

No

- Using the wiring diagrams as a guide, repair the (Z913) Ground circuit for an open.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.

4. CAMERA SIGNAL, RETURN, AND SHIELD CIRCUITS OPEN

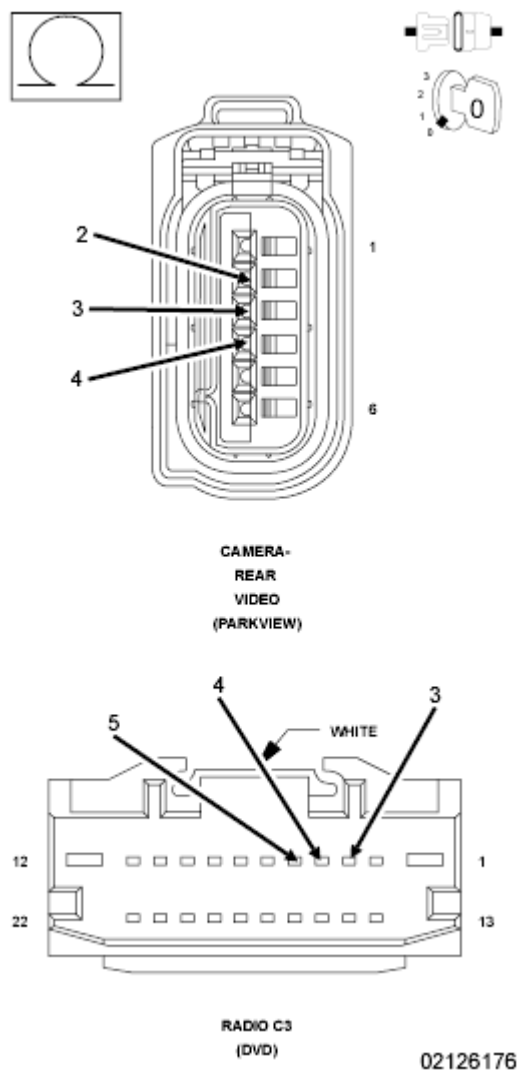


Fig. 4: Checking Appropriate Circuit For Open
Courtesy of CHRYSLER LLC

1. Disconnect the Radio C3 harness connector.
2. Measure the resistance of the (X970) (X971) and (X972) circuits.

Is the resistance below 10.0 Ohms on the (X970) (X971) or (X972) circuits?

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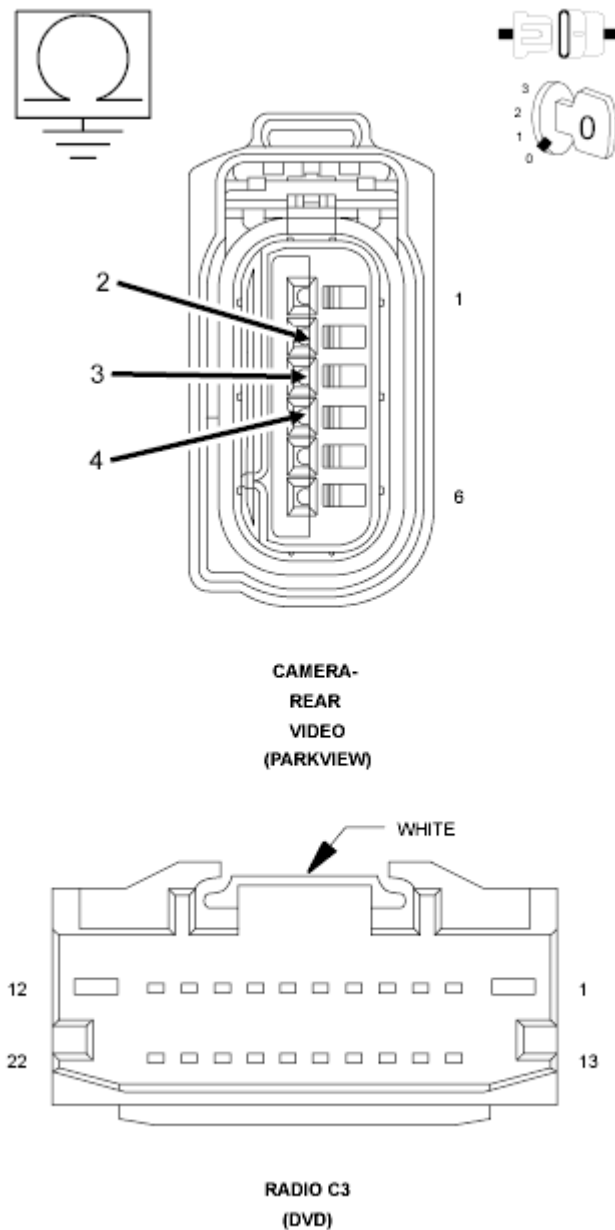
Yes

- Go to step 5

No

- Using the wiring diagrams as a guide, repair the appropriate circuit for an open.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.

5. CAMERA SIGNAL, RETURN, AND SHIELD CIRCUITS SHORTED TO GROUND



02126190

Fig. 5: Checking Appropriate Circuit For Short To Ground
Courtesy of CHRYSLER LLC

1. Measure the resistance between ground and the (X970) (X971) and (X972) circuits.

Is the resistance below 10.0 Ohms on the (X970) (X971) or (X972) circuits?

Yes

- Using the wiring diagrams as a guide, repair the appropriate 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 Rear Video Camera in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

NO BACKSEAT TV AUDIO-VIDEO PLAYING

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

Diagnostic Test

1. CHECKING THE SATV AUDIO

1. Turn the ignition on.
2. Check radio volume level and ensure radio is in SATV mode.
3. If the radio is a RER/REN, select the SATV tab. If the radio is REQ, press the SAT button twice.

NOTE: **Verify that the remote control is on the correct channel (CH1/CH2).**

4. Press Mode on the remote control, then select Radio and SATV.
5. Use the headphones to check the audio by turning the headphones on while the video is present.

Is SATV audio present in the headphones?

Yes

- SATV is functioning properly. Test Complete.

No

- Go to step 2

2. CHECKING THE AUDIO IN OTHER MODES

1. Use the remote to select other VES modes (SAT Audio, FM).

Is audio present on headphones in other audio modes?

Yes

- Go to step 3

No

- Go to step 5

3. SATV TO VES AUDIO INPUTS/OUTPUTS

1. Turn the ignition off.
2. Disconnect the VES 25 pin harness connector.
3. Disconnect the SATV harness connector.
4. Look for broken, bent, pushed out or corroded terminals.
5. Test the wiring for continuity from the audio out of the SATV (pins 14 RT, 15 COM, 16 LT) at the connector to the audio inputs on the VES.

Is the wiring and connections OK from the SATV to the VES?

Yes

- Go to step 4

No

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

4. SATV POWER RESET

1. Cycle the vehicle ignition.
2. Cycle the battery to the SATV module by removing the IOD fuse.

Does the SATV function normal?

Yes

- SATV is functioning properly. Test Complete.

No

- Go to step 6

5. SATV WIRING AND CONNECTIONS

1. Turn the ignition off.
2. Disconnect the VES 25 pin harness connector.
3. Disconnect the SATV harness connector.
4. Look for broken, bent, pushed out or corroded terminals.
5. Test the radio circuits, amplifier circuits and speaker circuits for any source of audio loss.

Is the wiring and connections OK from the SATV to the VES?

Yes

- Go to step 6

No

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

6. SATV MODULE

1. Using the wiring diagram/schematic as a guide, inspect the wiring and connectors for the SATV Module.
2. Look for any chafed, pierced, pinched, or partially broken wires.
3. Look for broken, bent, pushed out or corroded terminals.
4. Refer to any Technical Service Bulletins that may apply.

Were any problems found?

Yes

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

No

- Replace the SATV 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 VIDEO (BLACK SCREEN)-BACKSEAT TV AUDIO PLAYING

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

Diagnostic Test

1. CHECKING THE TV OPERATION

1. Turn the ignition on.
2. If the radio is a RER/REN, place the vehicle in park. If the radio is REQ, Go To 2
3. Select the SATV tab and press View Video to display video on radio screen.

Does the radio display video now?

Yes

- SATV is functioning properly. Test Complete.

No

- Go to step 2

2. SATV WIRING AND CONNECTIONS

1. Turn the ignition off.
2. Disconnect the VES 25 pin harness connector.
3. Disconnect the SATV harness connector.
4. Look for broken, bent, pushed out or corroded terminals.
5. Test the video shield circuit, video common circuit, and the video signal circuit for continuity.

Is the wiring and connections OK from the SATV to the VES?

Yes

- Go to step 3

No

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

3. SATV MODULE

1. Using the wiring diagram/schematic as a guide, inspect the wiring and connectors for the SATV Module.
2. Look for any chafed, pierced, pinched, or partially broken wires.
3. Look for broken, bent, pushed out or corroded terminals.
4. Refer to any Technical Service Bulletins that may apply.

Were any problems found?

Yes

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

No

- Replace the SATV 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 VIDEO (BLACK SCREEN)-NO BACKSEAT TV AUDIO

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

Diagnostic Test**1. CHECKING THE TV OPERATION**

1. Turn the ignition on.
2. If the radio is a RER/REN, select the SATV tab. If the radio is REQ, press the SAT button twice.
3. Ensure the VES is in SATV mode.
4. Press Mode on the remote button, select Radio and SATV.

Is SATV video and audio present in either radio or VES?

Yes

- SATV is functioning properly. Test Complete.

No

- Go to step 2

2. COMMUNICATION WITH VES AND RADIO

1. With the scan tool, confirm communication with the VES and the radio by checking for DTCs.

Does the scan tool communicate with the VES and the radio?

Yes

- Go to step 3

No

- Go to step 6

3. COMMUNICATION WITH SDARV

1. With the scan tool, confirm communication with the SDARV by checking for DTCs.

Does the scan tool communicate with the SDARV?

Yes

- Go to step 4

No

- Go to step 5

4. SATV AUDIO/VIDEO WIRING AND CONNECTIONS

1. Turn the ignition off.
2. Disconnect the VES 25 pin harness connector.
3. Disconnect the SATV harness connector.
4. Look for broken, bent, pushed out or corroded terminals.
5. Test the audio circuit and the video circuit for continuity.

Is the wiring and connections OK from the SATV to the VES?

Yes

- Go to step 7

No

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

5. SATV CANH AND CANL WIRING AND CONNECTIONS

1. Turn the ignition off.
2. Disconnect the VES 25 pin harness connector.
3. Disconnect the SATV harness connector.
4. Look for broken, bent, pushed out or corroded terminals.
5. Test the CANL circuit and the CANH circuit for continuity.

Is the wiring and connections OK from the SATV to the VES?

Yes

- Go to step 7

No

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

6. SATV WIRING AND CONNECTIONS

1. Turn the ignition off.
2. Disconnect the VES 25 pin harness connector.
3. Disconnect the SATV harness connector.
4. Look for broken, bent, pushed out or corroded terminals.
5. Test the radio, VES, and the wiring connections for source of CAN loss or video/audio loss.

Is the wiring and connections OK from the SATV to the VES?

Yes

- Go to step 7

No

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

7. SATV MODULE

1. Using the wiring diagram/schematic as a guide, inspect the wiring and connectors for the SATV Module.
2. Look for any chafed, pierced, pinched, or partially broken wires.
3. Look for broken, bent, pushed out or corroded terminals.
4. Refer to any Technical Service Bulletins that may apply.

Were any problems found?

Yes

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

No

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

BLUE SIRIUS® BACKSEAT TV TUNING BOX DISPLAYED WITH BUFFER BAR EMPTY-NO CHANGE

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

Diagnostic Test

1. CHECKING THE VIDEO OPERATION

NOTE: There is no change in the display, the Sirius® Backseat TV logo is continuously displayed and does not change. No flicker, green flash, or reset occurs.

NOTE: An empty buffer bar usually indicates no signal condition or faulty antenna. Watch the screen for 5 minutes to look for any reset activity or display change.

1. Turn the ignition on.
2. Select SAT video mode on radio and VES.

Does the radio display Acquiring Signal?

Yes

- Go to step 2

No

- Call Sirius® and have the subscription updated.
- Cycle the vehicle ignition then cycle the battery to the SATV module by removing the IOD fuse. If failure still exists, replace the SATV Module in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

2. CHECKING THE AUDIO OPERATION

1. Select SAT audio mode on radio and VES.

Does the radio display Acquiring Signal and the audio is not functioning?

Yes

- Sirius® antenna signal is obstructed. Drive the vehicle to an open area or test another Sirius® module for signal presence in the area.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

No

- Go to step 3

3. CHECKING FOR RADIO SIGNAL

Does the radio display No Signal and the audio is not functioning?

Yes

- Go to step 4

No

- Go to step 5

4. SATV AUDIO ANTENNA WIRING AND CONNECTIONS

1. Turn the ignition off.
2. Disconnect the radio harness connector.
3. Disconnect the antenna harness connector.
4. Look for broken, bent, pushed out or corroded terminals.
5. Test the yellow circuit and green circuit for continuity or any source of SAT audio antenna signal loss.

NOTE: After this repair, start over at the beginning of the diagnostic as this is only a SAT audio problem and does not solve the SATV issue.

Is the wiring and connections OK for the SAT audio antenna?

Yes

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

No

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

5. DTC B1539 SATV ANTENNA FAULT ACTIVE

1. With the scan tool, check the SATV for DTCs.

Is DTC B1539 SATV Antenna Fault set?

Yes

- Go to step 6

No

- Call Sirius® and have the subscription updated.
- Attempt ignition cycle then battery cycle on SATV by removing the IOD fuse. If failure still exists, replace the SATV Module in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.

6. SATV ANTENNA WIRING AND CONNECTIONS

1. Turn the ignition off.

2. Disconnect the antenna harness connector.
3. Look for broken, bent, pushed out or corroded terminals.
4. Test the brown circuit for continuity or any source of SATV antenna signal loss.

Is the wiring and connections OK for the SATV antenna?

Yes

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

No

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

BLUE SIRIUS® BACKSEAT TV TUNING BOX DISPLAYED WITH BUFFER BAR EMPTY-RESETS EVERY 15 SECONDS

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

Diagnostic Test

1. CHECKING THE SATV OPERATION

NOTE: **Every 15 seconds a reset occurs. Green flash followed by a black screen and the Sirius® Backseat TV logo is displayed.**

1. Cycle the vehicle ignition.
2. Cycle the battery to the SATV module by removing the IOD fuse.
3. Call Sirius® and have the subscription updated.

Does the SATV function normal?

Yes

- Test Complete.

No

- Repeat this test. If the failure still exists, replace the SATV module in accordance with the Service Information.

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

BLUE SIRIUS® BACKSEAT TV TUNING BOX DISPLAYED WITH FULL BUFFER BAR-NO CHANGE

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

Diagnostic Test**1. CHECKING THE SATV OPERATION**

NOTE: There is no change in the display, the Sirius® Backseat TV logo is continuously displayed and does not change. No flicker, green flash, or reset occurs.

1. Turn the ignition on.
2. Use the VES remote and radio to attempt to change the channel.

Does the SATV function normally?

Yes

- Test Complete.

No

- Go to step 2

2. SATV RESET

1. Cycle the vehicle ignition.
2. Cycle the battery to the SATV module by removing the IOD fuse.
3. Call Sirius® and have the subscription updated.

Does the SATV function normally?

Yes

- Test Complete.

No

- Repeat this step. If the failure still exists, replace the SATV module in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

BLUE ON FULL SCREEN-DISPLAY SHOWS SIRIUS® SUBSCRIPTION INFO

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

Diagnostic Test**1. CHECKING THE VIDEO OPERATION**

NOTE: This condition will occur when a new SATV module is installed, or when the subscription runs out. The module needs to be exposed to the satellite signal to activate properly. If this has not occurred, it could mean a no signal condition or faulty antenna. Watch the screen for 5 minutes to look for any reset activity or display change.

1. Turn the ignition on.
2. Select SAT video mode on radio and VES.

Does the radio display Acquiring Signal?

Yes

- Go to step 2

No

- Call Sirius® and have the subscription updated.
- Cycle the vehicle ignition then cycle the battery to the SATV module by removing the IOD fuse. If failure still exists, replace the SATV Module in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

2. CHECKING THE AUDIO OPERATION

1. Select SAT audio mode on radio and VES.

Does the radio display Acquiring Signal and the audio is not functioning?

Yes

- Sirius® antenna signal is obstructed. Drive the vehicle to an open area or test another Sirius® module for signal presence in the area.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

No

- Go to step 3

3. CHECKING FOR RADIO SIGNAL

Does the radio display No Signal and the audio is not functioning?

Yes

- Go to step 4

No

- Go to step 5

4. SATV AUDIO ANTENNA WIRING AND CONNECTIONS

1. Turn the ignition off.
2. Disconnect the radio harness connector.
3. Disconnect the antenna harness connector.
4. Look for broken, bent, pushed out or corroded terminals.
5. Test the yellow circuit and green circuit for continuity or any source of SAT audio antenna signal loss.

NOTE: After this repair, start over at the beginning of the diagnostic as this is only a SAT audio problem and does not solve the SATV issue.

Is the wiring and connections OK for the SAT audio antenna?

Yes

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

No

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

5. DTC B1539 SATV ANTENNA FAULT ACTIVE

1. With the scan tool, check the SATV for DTCs.

Is DTC B1539 SATV Antenna Fault set?

Yes

- Go to step 6

No

- Call Sirius® and have the subscription updated.
- Attempt ignition cycle then battery cycle on SATV by removing the IOD fuse. If failure still exists, replace the SATV Module in accordance with the Service Information.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .

6. SATV ANTENNA WIRING AND CONNECTIONS

1. Turn the ignition off.
2. Disconnect the antenna harness connector.
3. Look for broken, bent, pushed out or corroded terminals.
4. Test the brown circuit for continuity or any source of SATV antenna signal loss.

Is the wiring and connections OK for the SATV antenna?

Yes

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

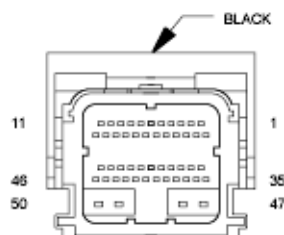
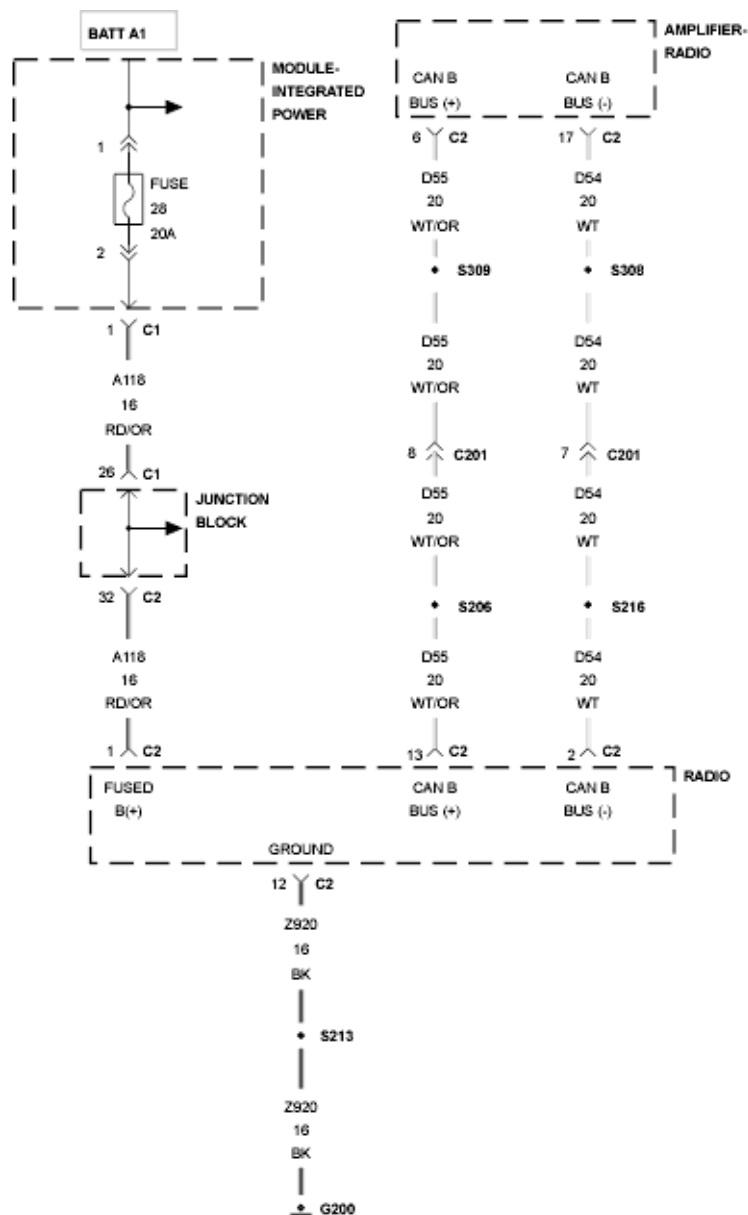
No

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

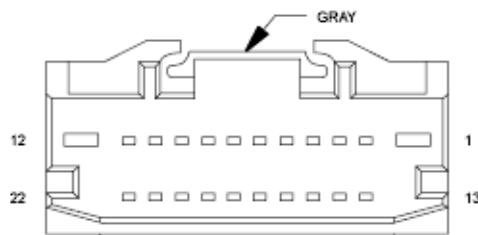
NO RESPONSE FROM RADIO

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MODULE-TOTALLY INTEGRATED POWER C1



RADIO C2

Fig. 6: Radio Circuit Schematic
Courtesy of CHRYSLER LLC

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

Possible Causes
(A118) FUSED B(+) CIRCUIT OPEN OR SHORTED (Z920) GROUND CIRCUIT OPEN (D55) AND (D54) CAN B BUS CIRCUITS OPEN RADIO

Diagnostic Test

1. TEST FOR INTERMITTENT CONDITION

1. Turn the ignition on.

NOTE: Ensure the IOD fuse is installed and battery voltage is between 10.0 and 16.0 volts.

2. With the scan tool, select ECU view.

NOTE: A red X will be next to the module that is not communicating, indicating that the module is not active on the Bus network. A green check indicates that the module is active on the Bus network.

Does the scan tool display a red X next to the module?

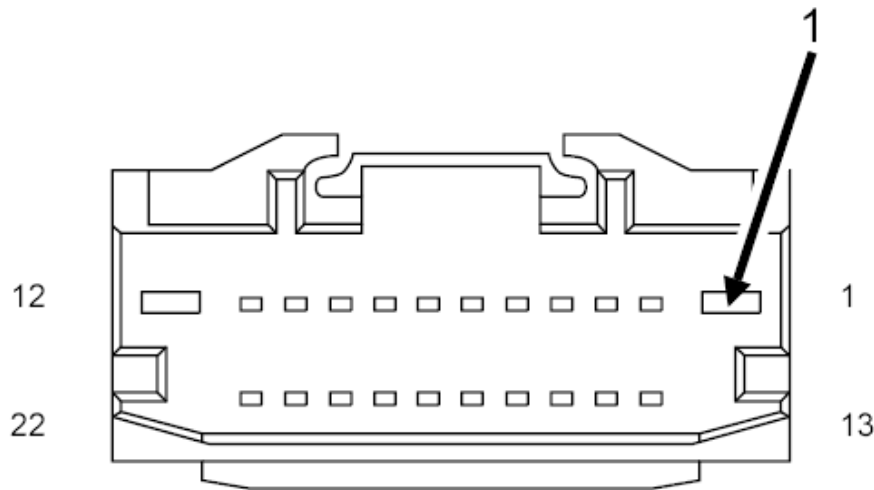
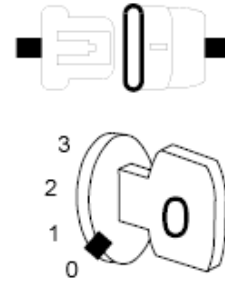
Yes

- Go to step 2

No

- The no response condition is not present at this time. Using the wiring diagram/schematic as a guide, inspect the wiring for chafed, pierced, pinched, and partially broken wires and the wiring harness connectors for broken, bent, pushed out, and corroded terminals.

2. (A118) FUSED B(+) CIRCUIT OPEN OR SHORTED



RADIO C2

Fig. 7: Checking Fused B(+) Circuit For Open Or Short
 Courtesy of CHRYSLER LLC

1. Turn the ignition off.
2. Disconnect the Radio C1 harness connector.
3. Using a 12-volt test light connected to ground, check each (A118) Fused B(+) circuit.

Does the test light illuminate brightly for each circuit?

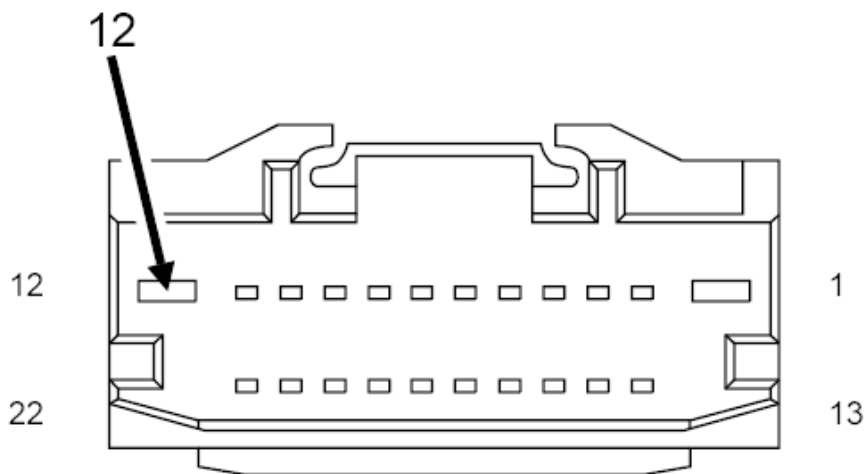
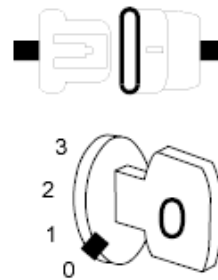
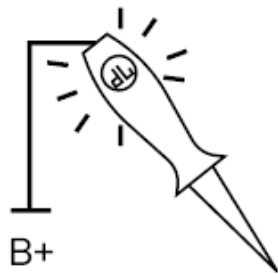
Yes

- Go to step 3

No

- Repair the (A118) Fused B(+) circuit for an open or short.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.

3. (Z920) GROUND CIRCUIT OPEN



RADIO C2

297270

Fig. 8: Checking Ground Circuit For Open
Courtesy of CHRYSLER LLC

1. Using a 12-volt test light connected to 12-volts, check each (Z920) ground circuit.

Does the test light illuminate brightly for each circuit?

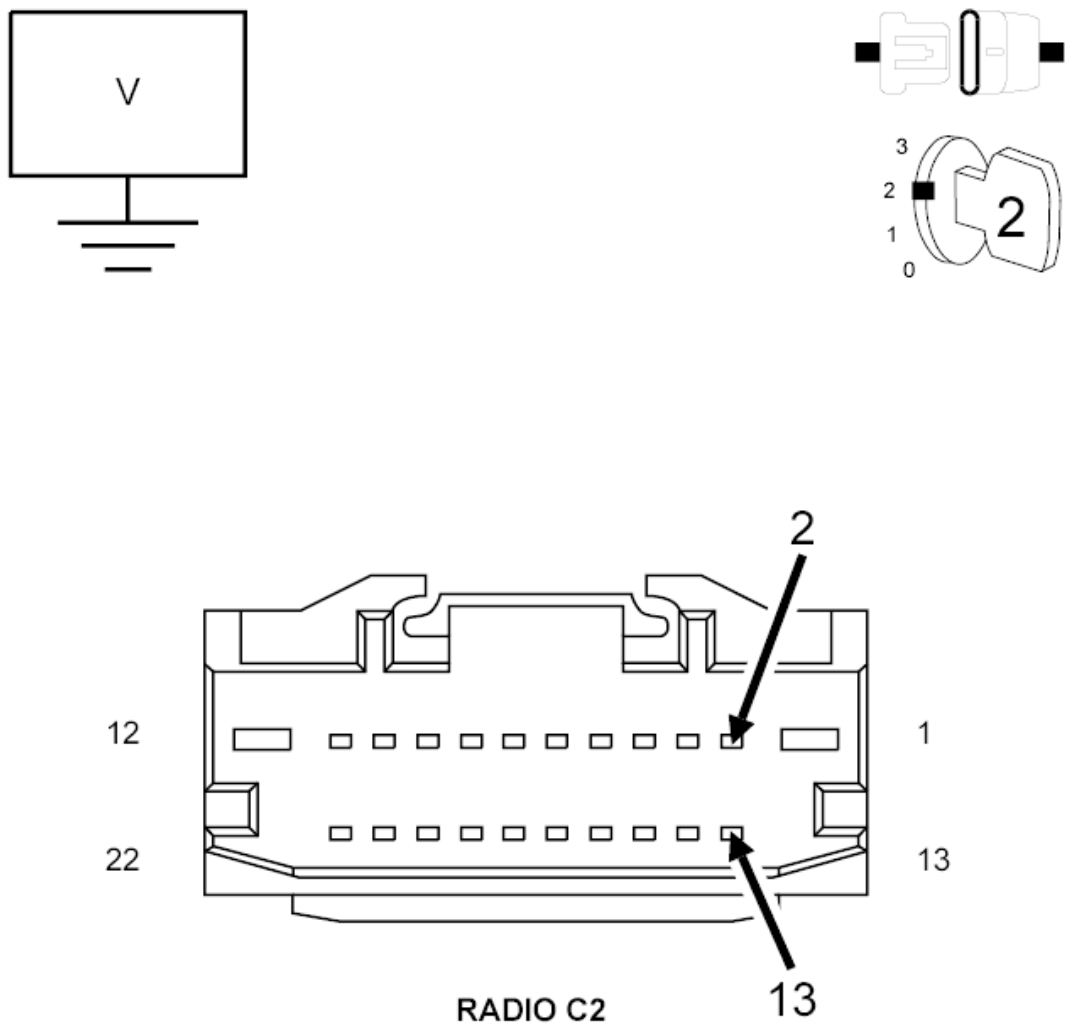
Yes

- Go to step 4

No

- Repair the (Z920) ground circuit for an open.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure**.

4. (D55) AND (D54) CAN B BUS CIRCUITS OPEN



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Fig. 9: Checking CAN B Bus Circuits For Open
 Courtesy of CHRYSLER LLC

NOTE: One open circuit will not cause this condition.

2009 Dodge Journey R/T

2009 ACCESSORIES AND EQUIPMENT Audio/Video - Non-DTC Diagnostics - Journey

1. Measure the voltage between the (D54) CAN B Bus (-) circuit and ground.
2. Measure the voltage between the (D55) CAN B Bus (+) circuit and ground.

Is there any voltage present on either circuit?

Yes

- Replace the Radio 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 (D55) and (D54) CAN B Bus circuits for an open. Inspect the connector for damage.
- Perform the BODY VERIFICATION TEST. Refer to **DTC-Based Diagnostics/MODULE, Totally Integrated Power (TIPM) - Standard Procedure** .