Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2010 CHEVROLET Classic OEM Service and Repair Workshop Manual

Go to manual page

- If less than 2 Ω, test or replace the S48A Multifunction Switch — Instrument Panel.

- **If the test lamp is always ON**

1. Ignition OFF, disconnect the harness connector at the S48A Multifunction Switch — Instrument Panel.
2. Test for infinite resistance between the control circuit and ground.
   - If less than infinite resistance, repair the short to ground on the circuit.
   - If infinite resistance, test or replace the S48A Multifunction Switch — Instrument Panel.

- **If the test lamp turns ON and OFF**

11. Ignition OFF, connect the X1 and X2 harness connector at the X51L Fuse Block— Instrument Panel Left and disconnect the harness connector at the M5 Adjustable Pedal Motor.
12. Test for less than 10 Ω between the control circuit terminal 1 and ground.
    - **If 10 Ω or greater**

    1. Ignition OFF, disconnect the harness connector at the X51L Fuse Block— Instrument Panel Left.
    2. Test for less than 2 Ω in the control circuit end to end.
       - If 2 Ω or greater, repair the open/high resistance in the circuit.
       - If less than 2 Ω, replace the X51L Fuse Block— Instrument Panel Left.

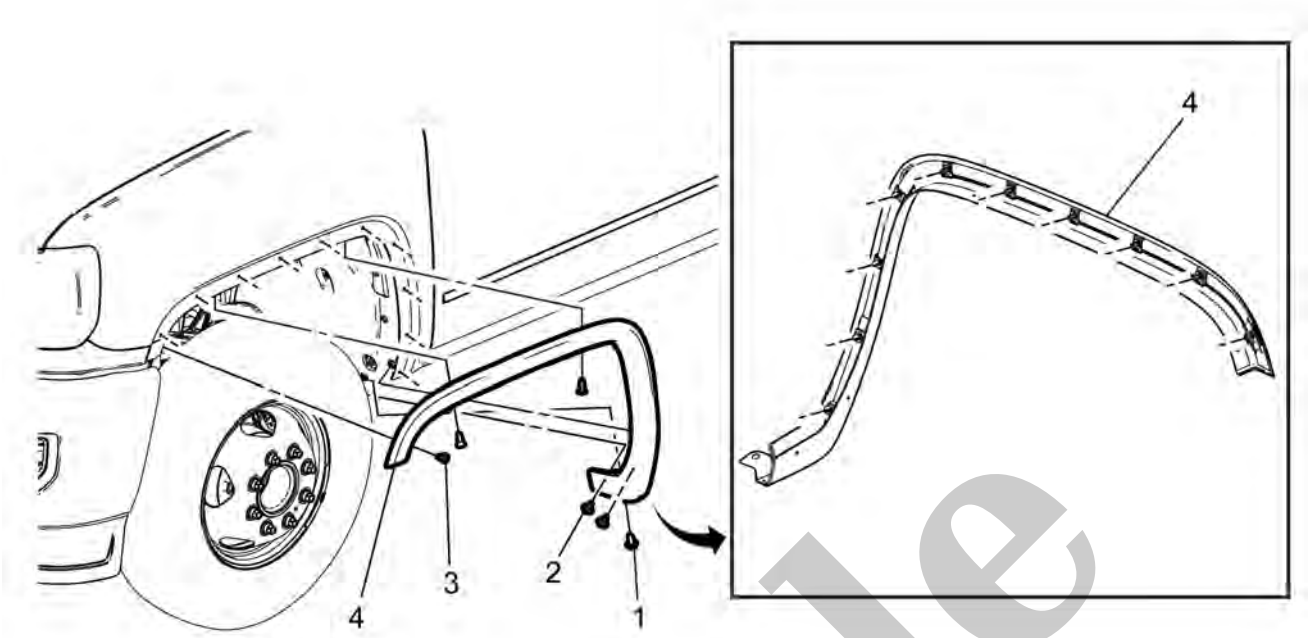
    - **If less than 10 Ω**

13. Test for less than 10 Ω between the control circuit terminal 4 and ground.
    - **If 10 Ω or greater**

    1. Ignition OFF, disconnect the harness connector at the X51L Fuse Block— Instrument Panel Left.
    2. Test for less than 2 Ω in the control circuit end to end.
       - If 2 Ω or greater, repair the open/high resistance in the circuit.
       - If less than 2 Ω, replace the X51L Fuse Block— Instrument Panel Left.

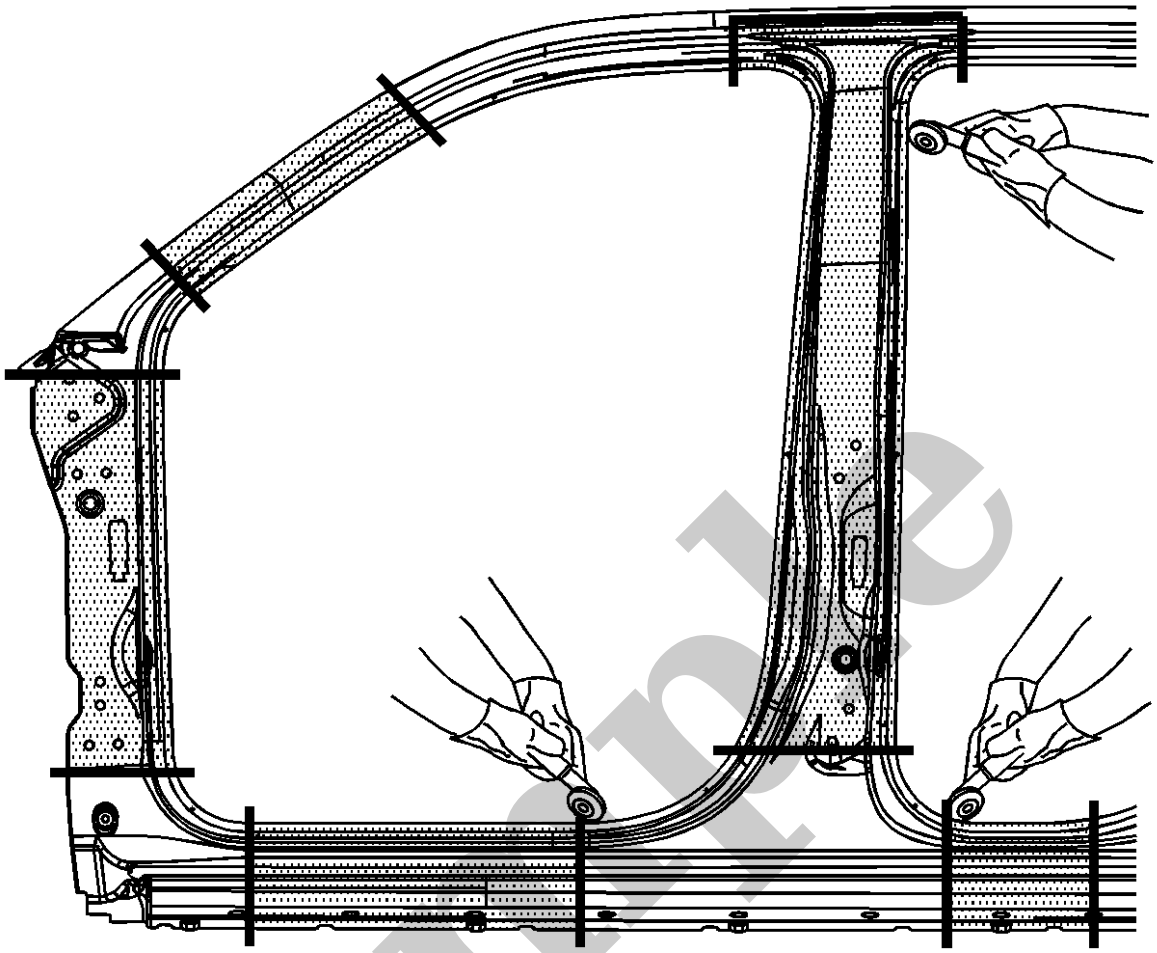
    - **If less than 10 Ω**

14. Connect a test lamp between control circuit terminal 1 and control circuit terminal 4, ignition ON.
15. Verify the test lamp turns ON when commanding the Forward and Reverse states when pressing the appropriate switch on the S48A Multifunction Switch — Instrument Panel
    - **If the test lamp remains OFF during either of the commands**



20.

Front Wheel Opening Front Molding(4) »Remove— Front Wheel Opening Molding Replacement[2x]

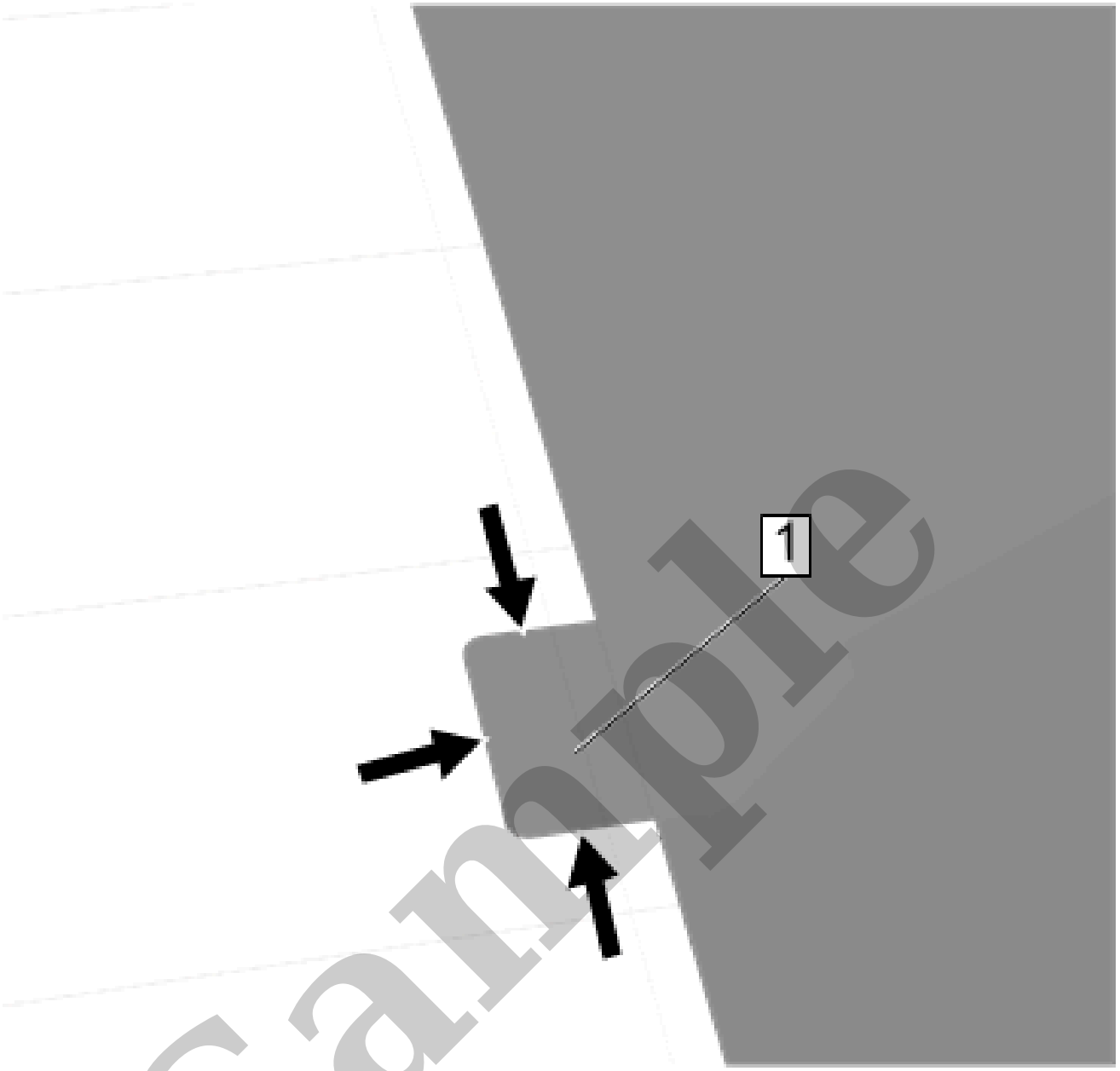


1.

   From the service part, cut the replacement panel in corresponding locations to overlap the remaining original panel by 25 mm (1 inch) at each joint

2. Prepare all attachment surfaces for welding as necessary.

3. Apply GM-approved Weld-Thru Coating or equivalent to all mating surfaces. Refer to Anti-Corrosion Treatment and Repair.

4. 

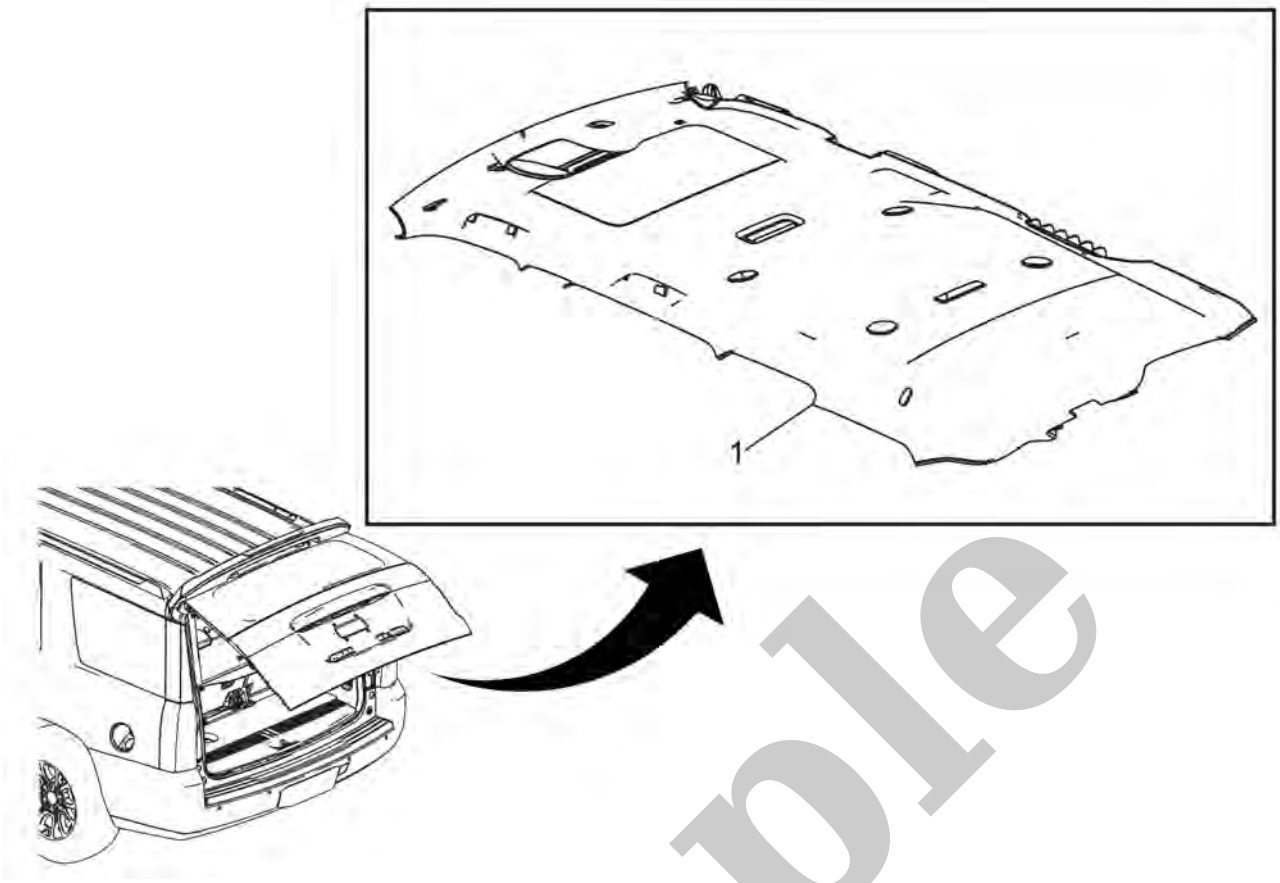
Prepare the rear window defogger buss bar (1) surface.

1. Prepare the surface of the rear window defogger buss bar (1) with 500 grit sandpaper, or Emery cloth. It is not necessary to remove all of the original solder, but it should be scuffed sufficiently so that no oxidation is present. Lightly sand the area to prep the defogger buss bar. DO NOT sand through the defogger buss bar.

2. Wipe the prepared rear window defogger buss bar (1) area with Kent Automotive Acrysol or equivalent to remove any residual oil or dirt.

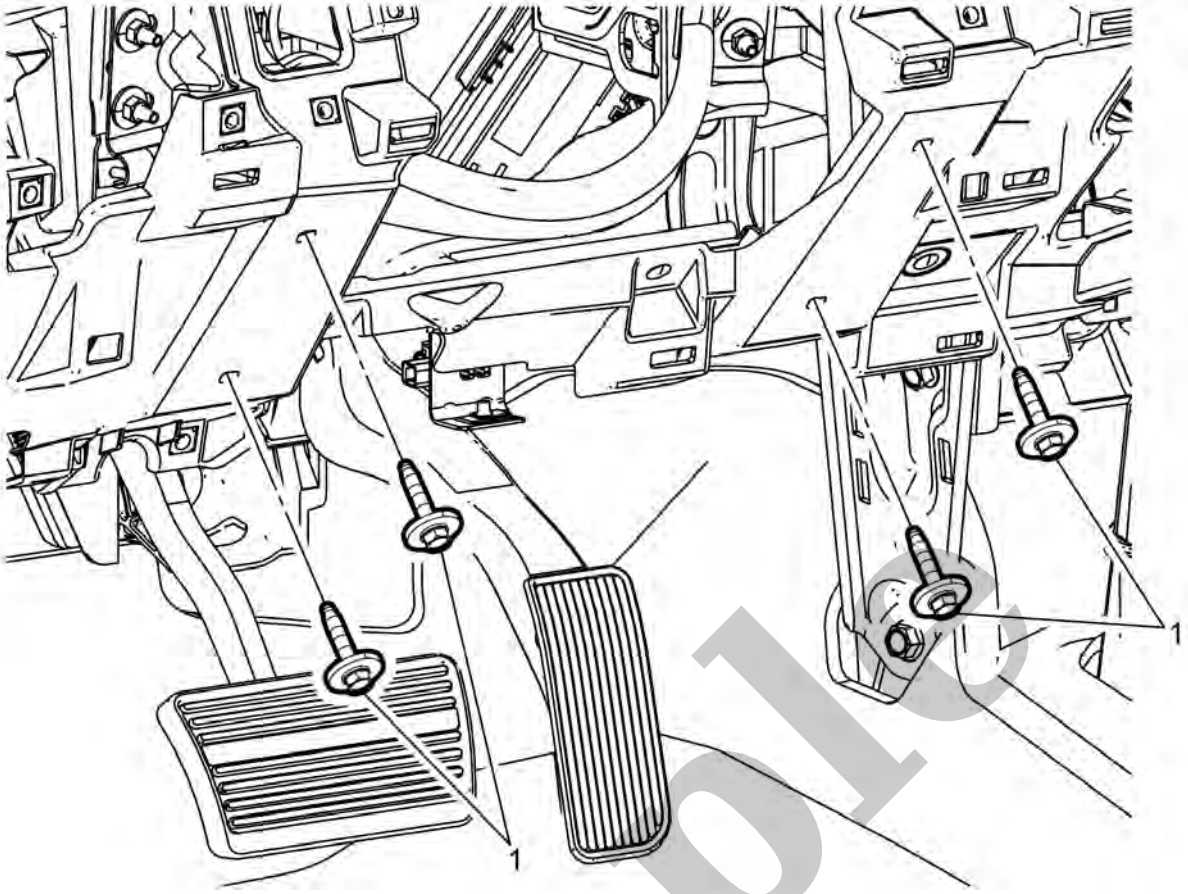
3. **NOTE**

   Note

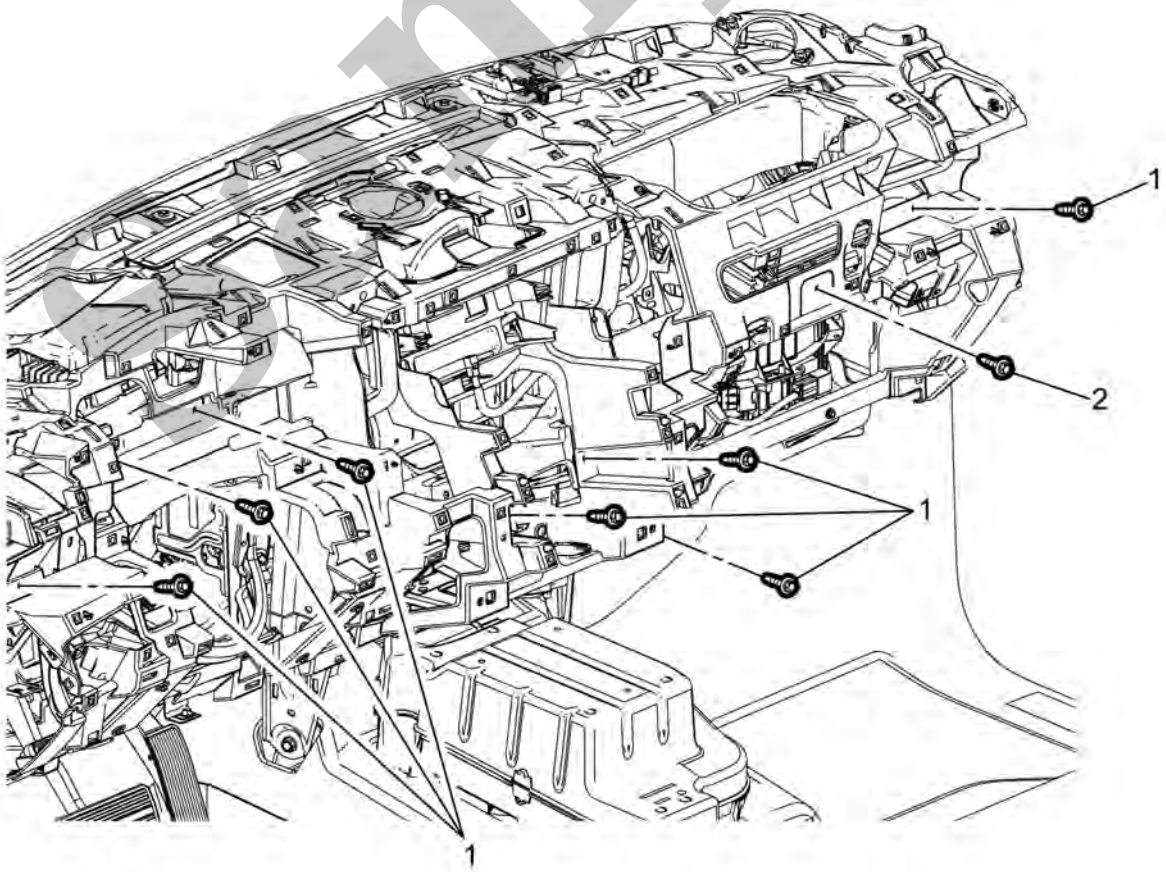
1. 

   With the aid of an assistant, position the headliner trim panel assembly (1) into the vehicle through the liftgate opening.

2. Connect the electrical connectors and secure.
3. If replacing the headliner assembly, transfer all necessary components.
4. If transferring or replacing the wiring harness. Refer to Headlining Trim Panel Harness Replacement.
5. Tape any unused connectors to the headliner with a high adhesive tape.

7. 

Install the instrument carrier fasteners (1) and tighten to 2.5 N·m (22 lb in).

8. 

Circuit	Short to Ground	Open/High Resistance	Short to Voltage	Signal Performance
2. Front Fog Lamp Switch Malfunction				

Circuit/System Description

The front fog lamp relay is supplied with battery voltage at all times. The front fog lamp switch signal circuit is grounded momentarily by pressing the front fog lamp switch. The body control module (BCM) energizes the front fog lamp relay by applying ground to the front fog lamp relay control circuit. When the front fog lamp relay is energized, the relay switch contacts close and battery voltage is applied through the F94UA fog lamp fuse to the front fog lamp control circuit which illuminates the front fog lamps. With the front fog lamp switch activated the BCM sends a message via serial data to the instrument cluster requesting the instrument cluster to illuminate the front fog indicator.

Reference Information

Schematic Reference

Fog Lights Schematics

Connector End View Reference

Master Electrical Component List

Description and Operation

Exterior Lighting Systems Description and Operation

Electrical Information Reference

- Circuit Testing
- Connector Repairs
- Testing for Intermittent Conditions and Poor Connections
- Wiring Repairs

Scan Tool Reference

Control Module References for scan tool information

Circuit/System Verification

1. Ignition ON, headlamps ON.

        - If less than 1 V, replace the K101 Trailer Interface Control Module.
    - **If the test lamp turns ON and OFF**

4. Test or replace the X88 Trailer Connector.

Repair Instructions

Perform the Diagnostic Repair Verification after completing the repair.

Control Module References for Trailer Lamp Control Module replacement, programming, and setup