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2010 CHEVROLET Celta - 5 doors OEM Service and Repair Workshop Manual

Go to manual page

Sample

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Circuit/System Verification

1. Ignition ON
2. Verify the scan tool In Park Switch Status parameter changes from Off to On while moving the transmission shift from the P (park) position.
   - **If the parameter does not change**

     Refer to Ignition Can/Cannot Be Turned Off with Transmission in Any Gear
   - **If the parameter changes**
3. Verify the adjustable pedals move forward and rearward when using the appropriate switch on the S48A Multifunction Switch – Instrument Panel.
   - **If the adjustable pedals do not move as commanded**

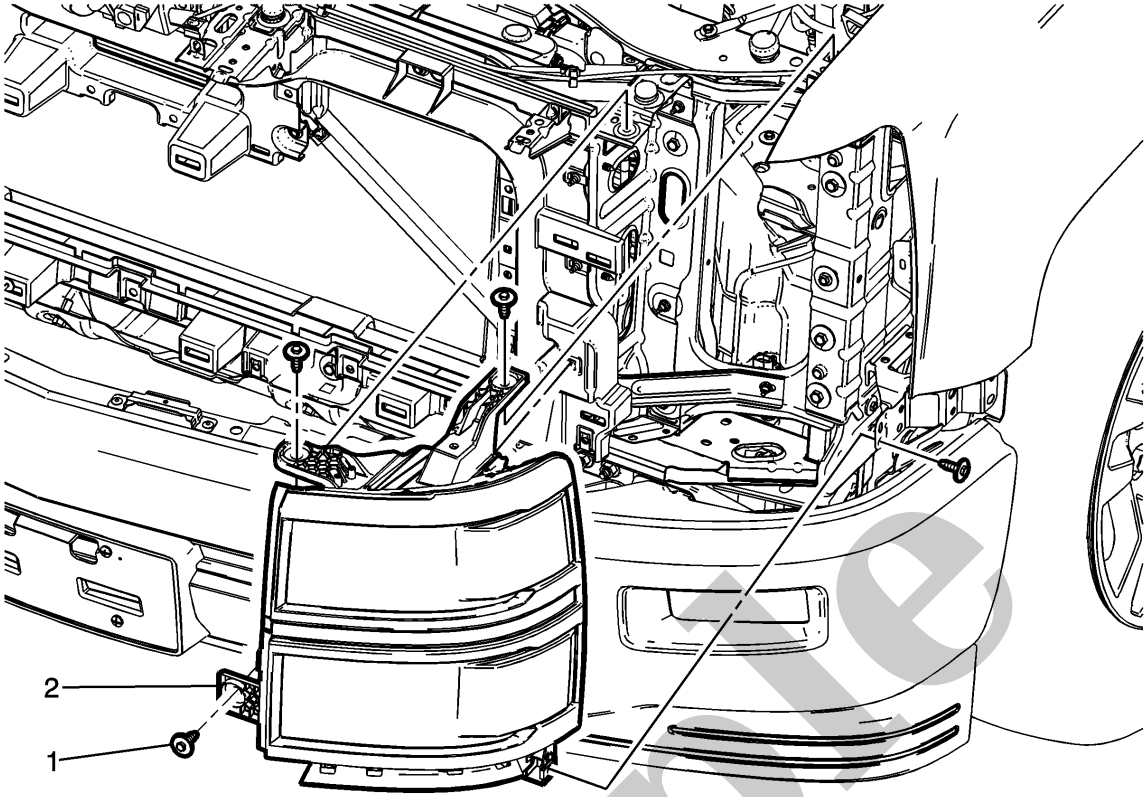
     Refer to Circuit/System Testing
   - **If the adjustable pedals move as commanded**
4. All OK.

Circuit/System Testing

1. Ignition OFF and all vehicle systems OFF, disconnect the harness connector at the S48A Multifunction Switch — Instrument Panel. It may take up to 2 min for all vehicle systems to power down.
2. Test for less than 10 Ω between the ground circuit terminal 8 and ground.
   - **If 10 Ω or greater**

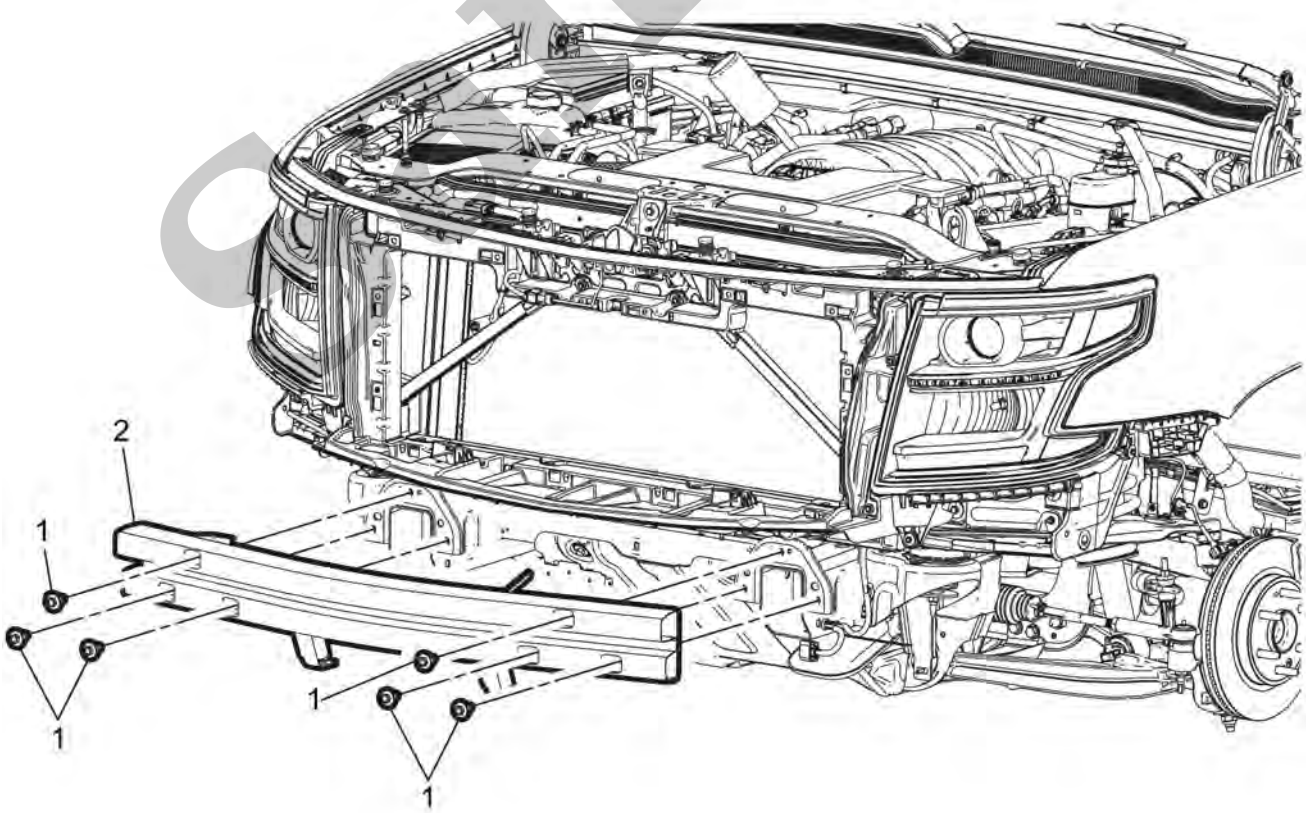
     1. Ignition OFF.
     2. Test for less than 2 Ω in the ground circuit end to end.
        - If 2 Ω or greater, repair the open/high resistance in the circuit.
        - If less than 2 Ω, repair the open/high resistance in the ground connection.
   - **If less than 10 Ω**
3. Connect the harness connector at the S48A Multifunction Switch — Instrument Panel and disconnect the X1 and X2 harness connector at the X51L Fuse Block— Instrument Panel Left.
4. Test for less than 10 Ω between the ground circuit terminal 44 X2 and ground.
   - **If 10 Ω or greater**

Sample



15.

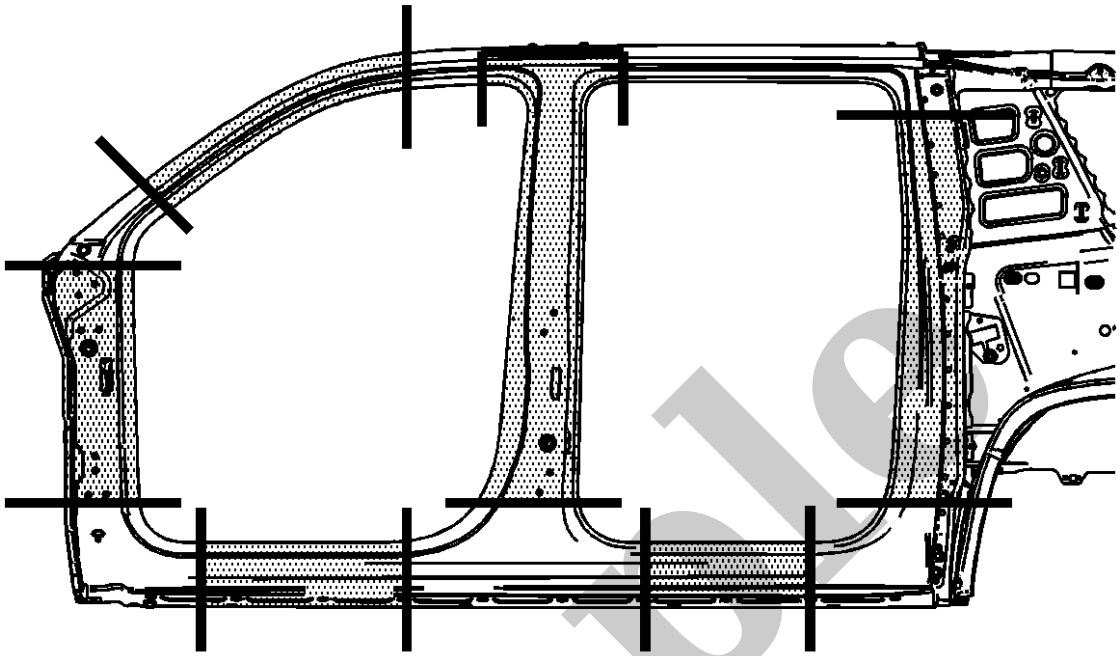
Headlamp(2) »Remove— Front Headlamp Replacement[2x]



16.

Front Bumper Impact Bar(2) »Remove— Front Bumper Impact Bar Replacement

Sample



6.

Perform additional sectioning procedures for long wheelbase as necessary. Refer to the following procedures:

- Front Hinge Pillar Sectioning
- Rear Pillar Sectioning
- Rocker Outer Panel Sectioning

Sample

Test or replace the component:M74D Window Motor - Driver

- **If the specified state**

9. Perform the scan tool control function:Passenger Window Motor »Up&Down

   Verify the component works as specified:M74P Window Motor - Passenger=Up&Down

   - **If not the specified state**

     Test or replace the component:M74P Window Motor - Passenger

   - **If the specified state**

10. Perform the scan tool control function:Passenger Window Motor »Down
11. Operate the component:S79P Window Switch - Passenger—Pulled=Up&Release

    Verify the component works as specified:M74P Window Motor - Passenger=Express Up

    - **If not the specified state**

      Use the following procedure: Window Motor Programming - Express Function.

    - **If the specified state**

12. Ignition/Vehicle & All vehicle systems » Off—For greater than 2 min
13. Ignition » On / Vehicle » In Service Mode
14. Perform the scan tool control function:Passenger Window Motor »Down
15. Operate the component:S79P Window Switch - Passenger—Pulled=Up&Release

    Verify the component works as specified:M74P Window Motor - Passenger=Express Up

    - **If not the specified state**

      Test or replace the component:M74P Window Motor - Passenger

    - **If the specified state**

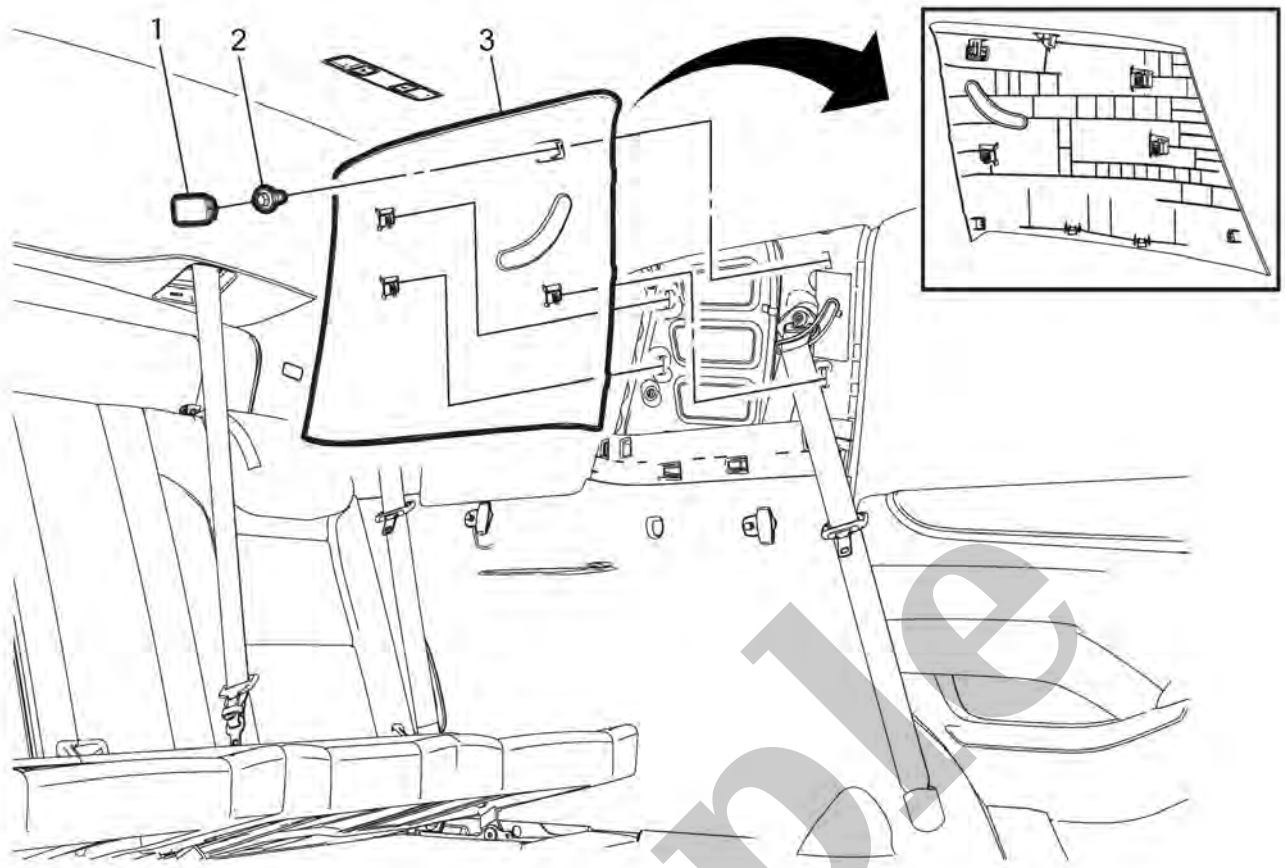
16. All OK.

Repair Instructions

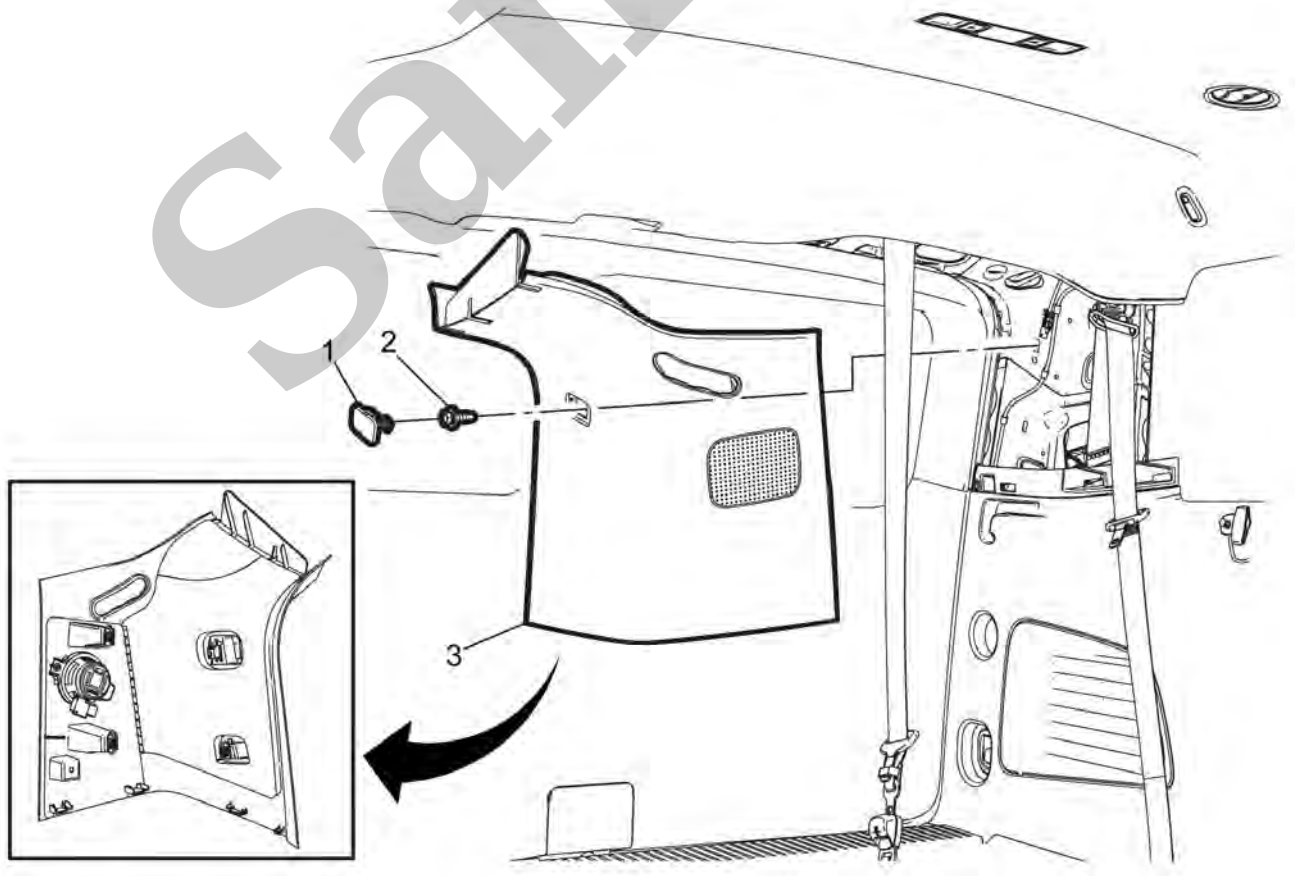
Perform the Diagnostic Repair Verification after completing the repair: Diagnostic Repair Verification

Front Side Door Window Regulator Motor Replacement

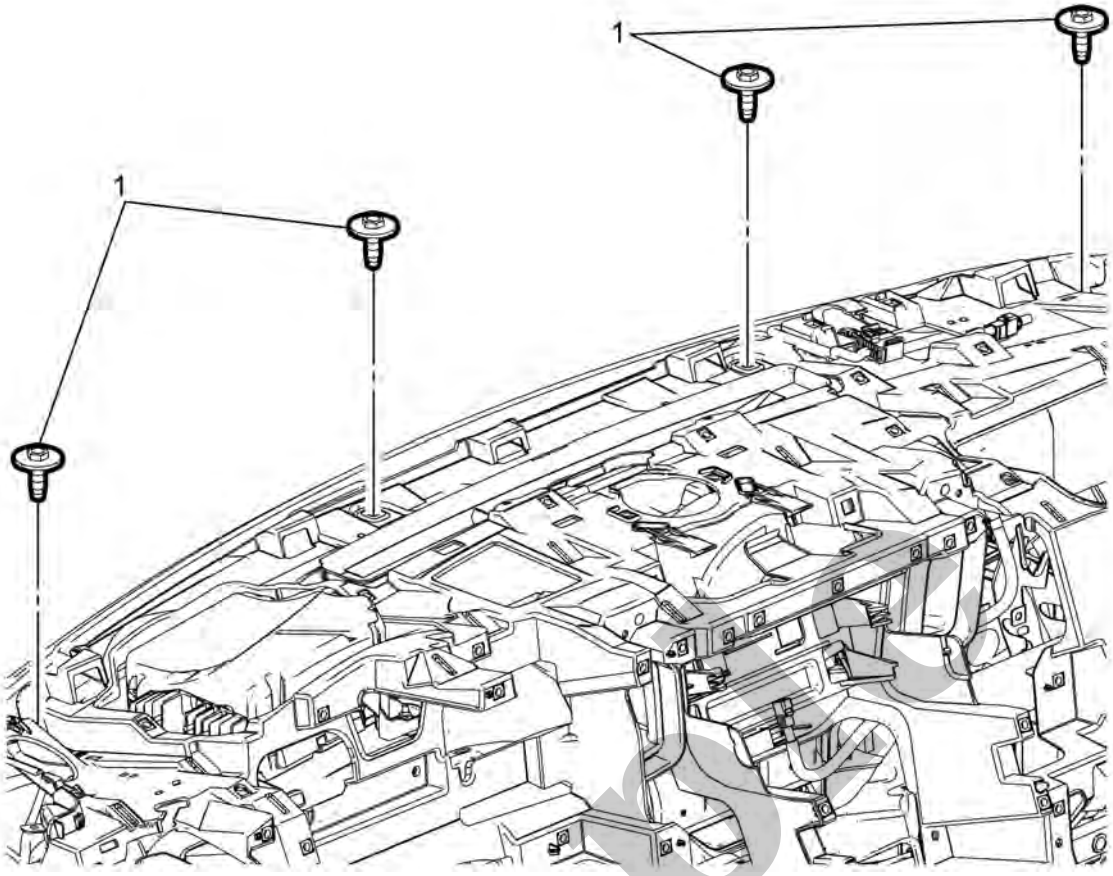
Sample

14. 

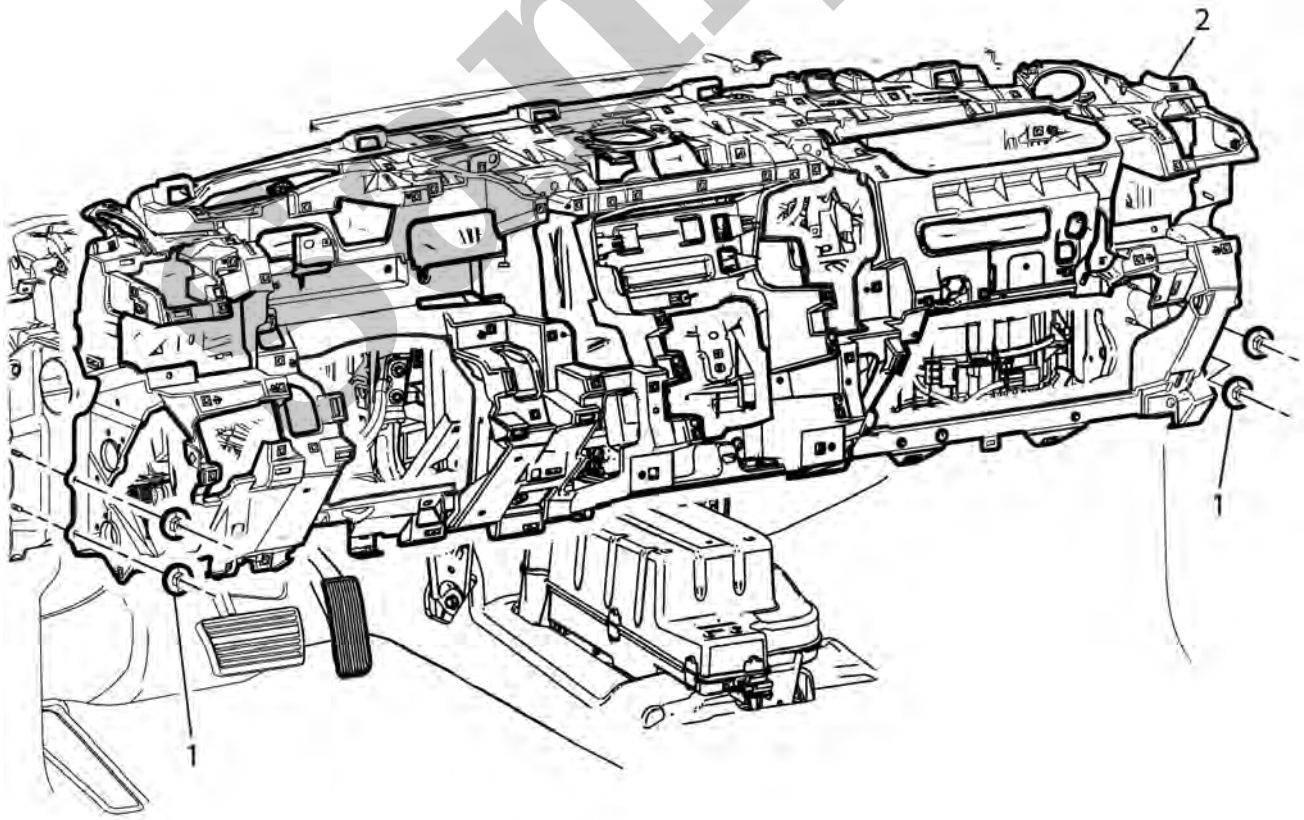
Remove the body lock pillar upper trim panel (3). Refer to Body Lock Pillar Upper Trim Panel Replacement.

15. 

Sample

20. 

Remove the instrument panel upper trim panel fasteners (1).



21.

Sample

- A9B Outside Rearview Mirror – Passenger terminal 1
- A24D Door Handle Assembly – Driver Exterior terminal 3
- A24P Door Handle Assembly – Passenger Exterior terminal 3
- A24LR Door Handle Assembly – Left Rear Exterior terminal 3
- A24RR Door Handle Assembly – Right Rear Exterior terminal 3
- E8ZL Running Board Step Courtesy Lamp – Left terminal 1
- E8ZR Running Board Step Courtesy Lamp – Right terminal 1

4. Verify the test lamp turns ON and OFF when commanding the Outside Rear View Mirror Courtesy Lamp ON and OFF with a scan tool.
    - **If the test lamp is always OFF**
    1. Ignition OFF, disconnect the X7 harness connector at the K9 Body Control Module.
    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
    3. 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 K9 Body Control Module.
    - **If the test lamp is always ON**
    1. Ignition OFF, disconnect the X7 harness connector at the K9 Body Control Module, ignition ON.
    2. Test for less than 1 V between the control circuit terminal and ground.
        - If 1 V or greater, repair the short to voltage on the circuit.
        - If less than 1 V, replace the K9 Body Control Module.
    - **If the test lamp turns ON and OFF**
5. Replace the inoperative lamp.

Repair Instructions

Perform the Diagnostic Repair Verification after completing the repair.

Sample

Circuit	Short to Ground	Open/High Resistance	Short to Voltage	Signal Performance
1. Trailer Lamps Malfunction				

Circuit/System Description

The trailer lighting control module receives a serial data message from the body control module (BCM) indicating that the vehicle park lamps have been activated. The trailer lighting control module responds by applying battery voltage to the left and right trailer tail lamp control circuits illuminating the trailer tail lamps.

Conditions for Running the DTC

- Battery voltage must be between 9–16 V.
- Park lamps ON.

Conditions for Setting the DTC

DTC B3885 02

The trailer lighting control module detects a short to ground in the left trailer tail lamp control circuit.

DTC B3885 04

The trailer lighting control module detects an open/high resistance in the left trailer tail lamp control circuit.

DTC B3886 02

The trailer lighting control module detects a short to ground in the right trailer tail lamp control circuit.

DTC B3886 04

The trailer lighting control module detects an open/high resistance in the right trailer tail lamp control circuit.

Actions Taken When the DTC Sets

The appropriate trailer tail lamp will be inoperative.

Conditions for Clearing the DTC

- The condition responsible for setting the DTC no longer exists.
- A history DTC will clear once 100 consecutive malfunction-free ignition cycles have occurred.

Sample