

# Front Side Door Sill Trim Plate Package Installation

## Installation Instructions Part Number

85589378

**Note:** Please review the entire procedure before trying to perform it.

### Kit Contents

Qty	Description
2	Front Illuminated Sill Plate Assembly
2	<b>Rear Non-Illuminated Sill Plate Assembly</b>
1	Wiring Harness Pkg (Contains Harness ASM (QTY 1) and Wire Tie Straps (QTY 8))

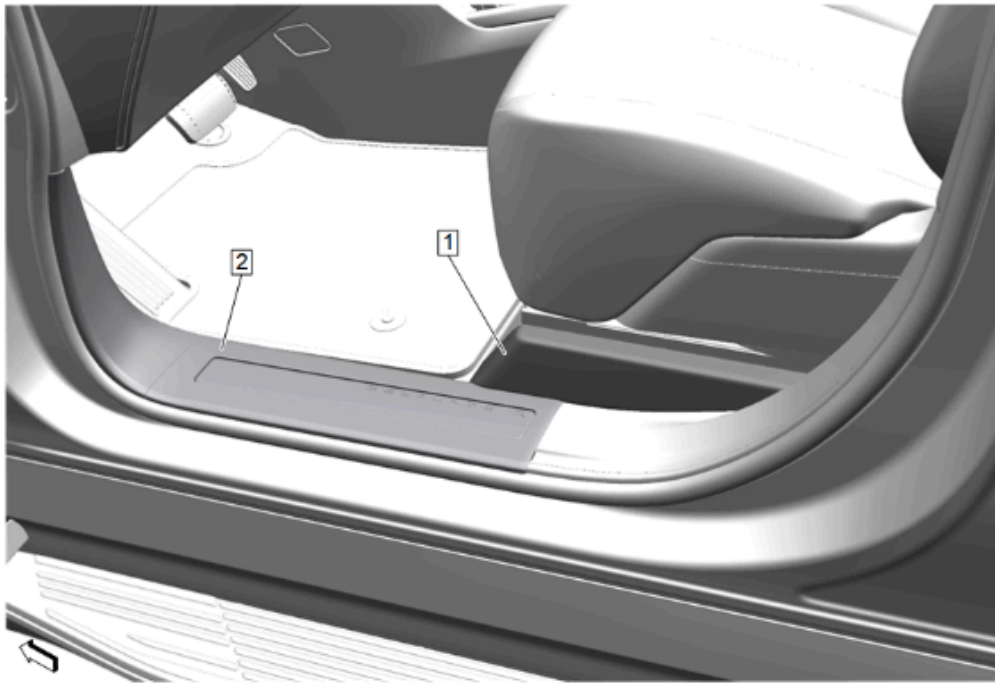
### Recommended Tools

- Flat Bladed Plastic Trim Tool
- 2mm Width Flat Screwdriver
- 0,8mm Width Flat Screwdriver
- Push-in Retainer Puller
- Electrical Tape
- 10mm Socket
- Trim Removal Tools
- Small Ratchet
- Wire Puller
- Heat Gun
- Wire Crimp Tool
- Magnet and / or Vacuum
- Fishtape

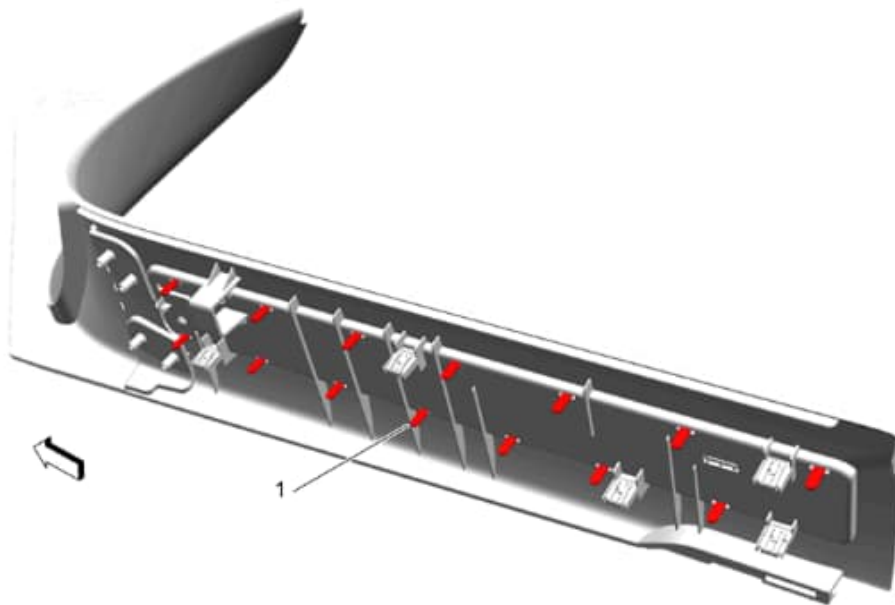
### Procedure

#### Front Sill Plates

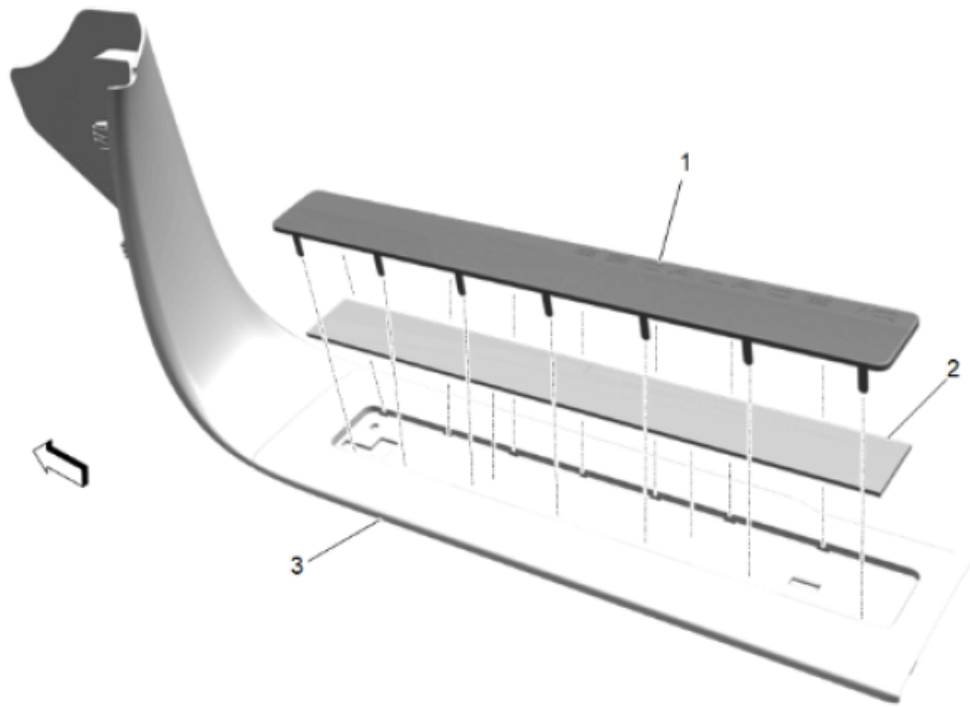
1. Open door.



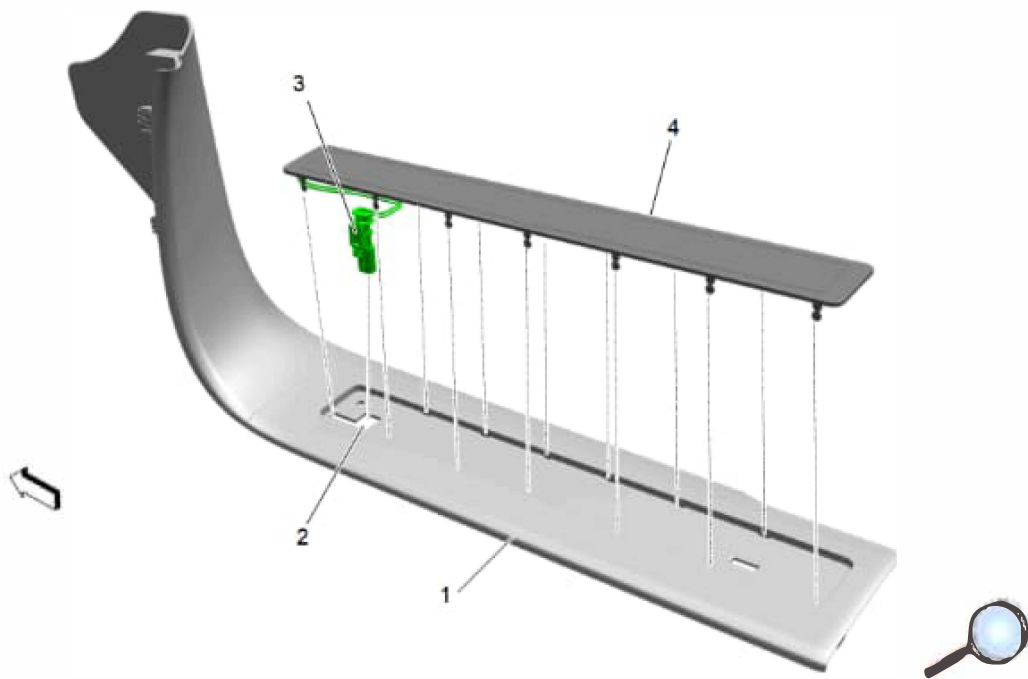
2. Move the front seats to the furthest rearward position.
3. Remove the front seat adjuster track finish cover (1). Refer to [Front Seat Adjuster Track Finish Cover Replacement](#) in Vehicle Service Manual.
4. Remove the front side door sill garnish molding (2). Refer to [Front Side Door Sill Garnish Molding Replacement](#) in Vehicle Service Manual.
5. Remove front floor mats and reposition front carpet as necessary.



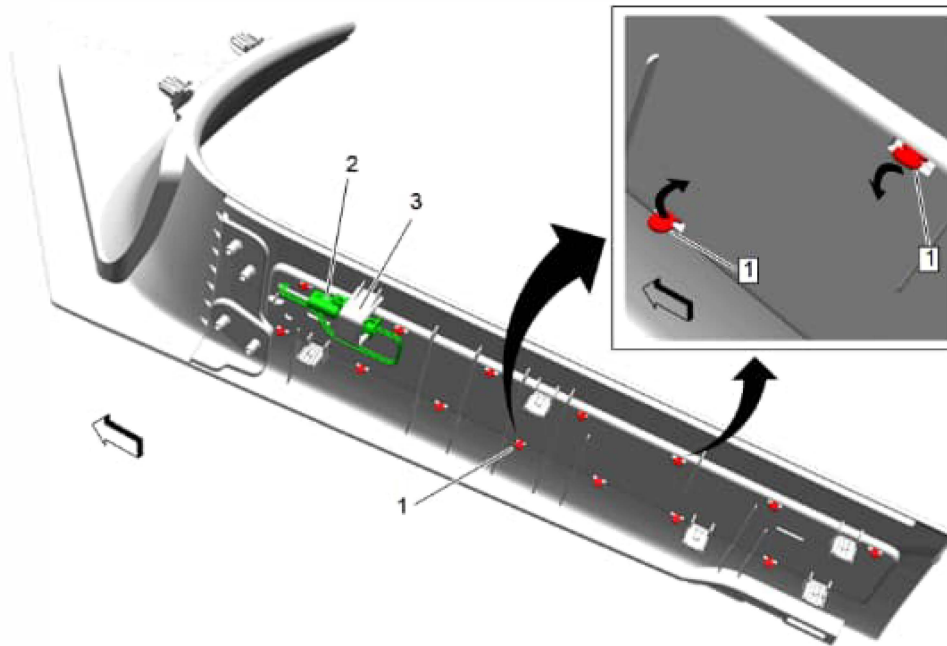
6. Disengage the sill center tabs (1) on the back side of the sill garnish molding.



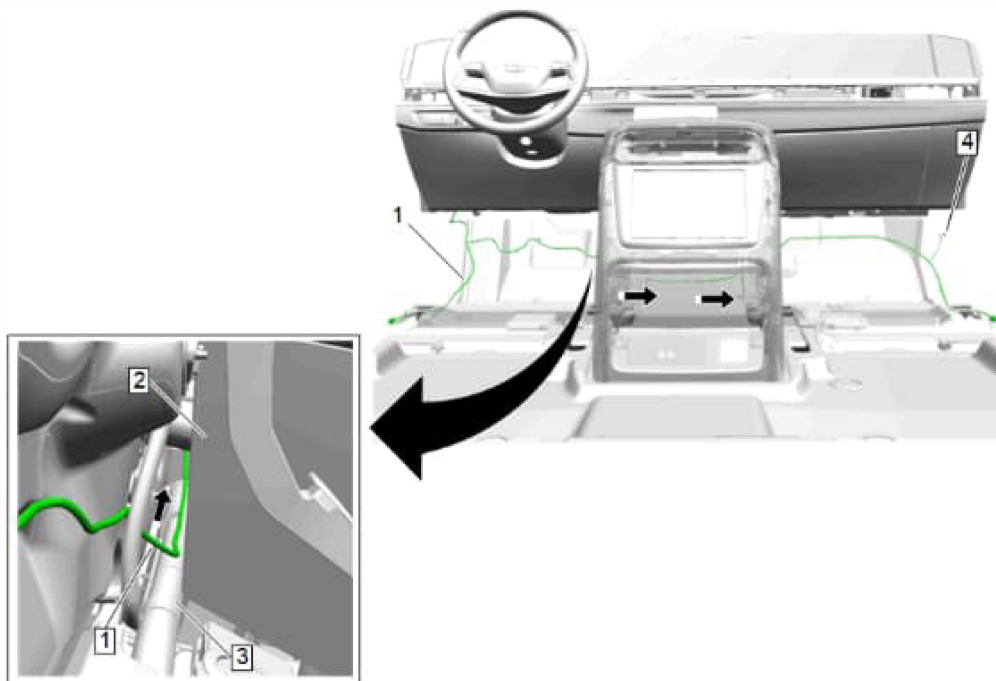
7. Remove the sill center (1) and insert (2) from the sill garnish molding (3).



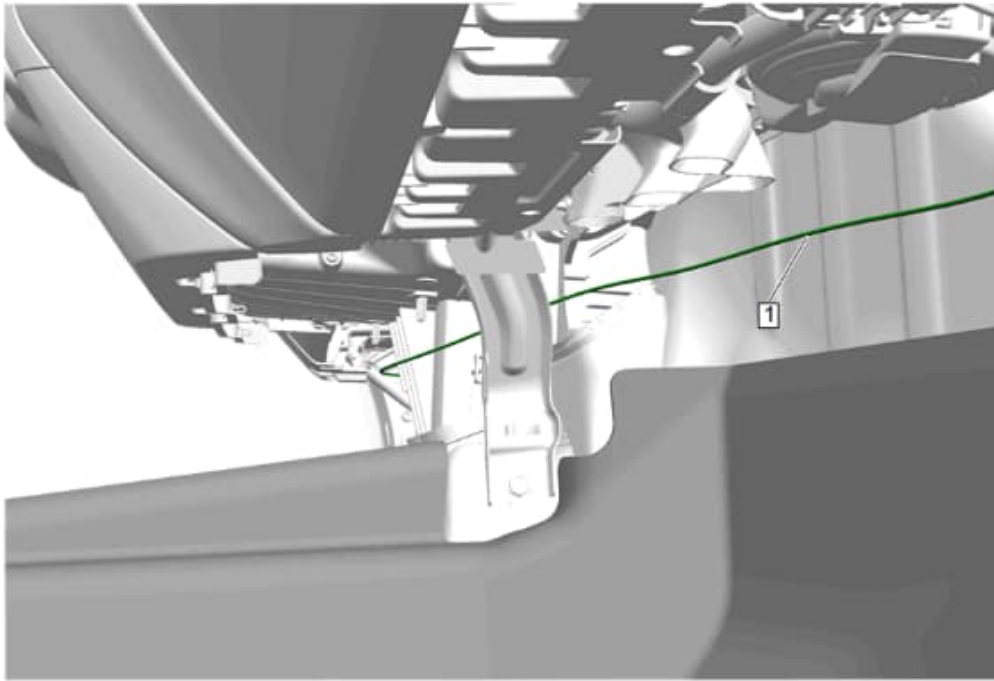
8. Insert the electrical connector (3) of the illuminated sill (4) through the hole (2) in the sill garnish molding (1). Align the tabs of the illuminated sill (4) to the sill garnish molding (1).



9. Pull harness through and install the illuminated sill to the sill garnish molding engaging the center tabs (1) on the under side of sill garnish molding.
10. **Once all tabs (1) are engaged and that the sill is sitting flush in the garnish molding, fold tabs (1) inward making sure the sill sits snug in the garnish molding.**
11. Route sill plate harness connector (2) through the trim housing (3) by sliding connector until it is locked.
12. Tape wire to underside of sill molding.

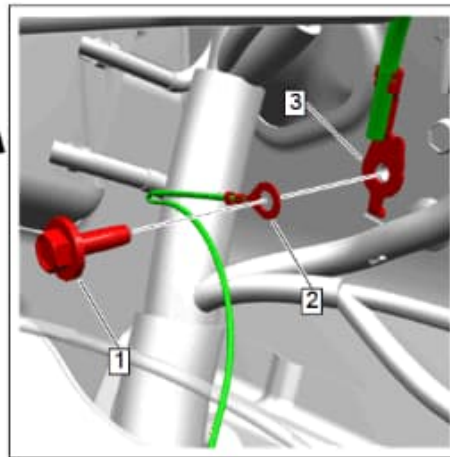
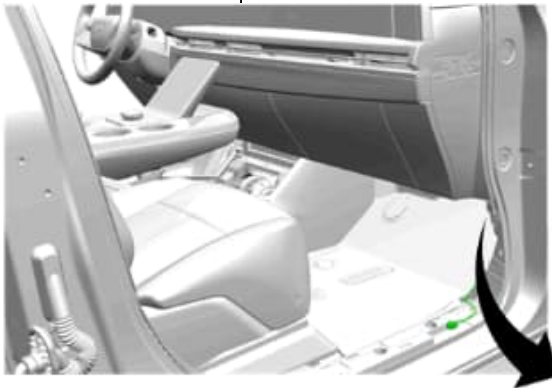


13. Route wiring harness through the vehicle as shown.
  - 13.1. Begin by spreading out the harness to understand how it is routed through the vehicle. The harness will route from the driver side, to the passenger side, near the top edge of the carpet. The ground eyelet attaches in the passenger side cowl and the two loose wires attach to the BCM harness under the driver side of I/P.
  - 13.2. 2. Using a fishtape, route the provided harness (1) loosely across the dash panel near the top of the carpet with the BCM connections on driver side under I/P. Continue to route harness between front of console panel (2) and plenum along existing wire harness (3), positioning ground (4) on the right side.



13.3. View from the right side of lower instrument panel showing the routing of the harness (1).

13.4. Use supplied tie straps to secure harness to existing harness. Be sure to secure harness away from the accelerator pedal.

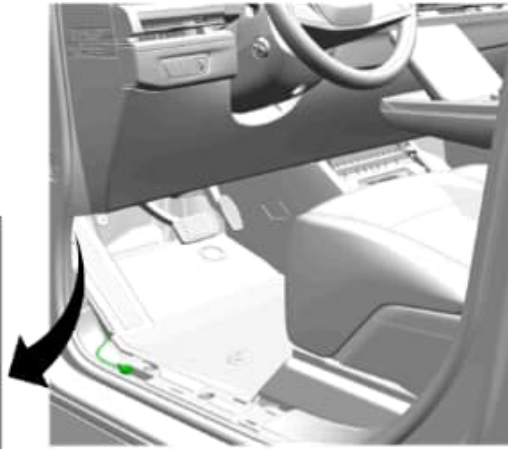
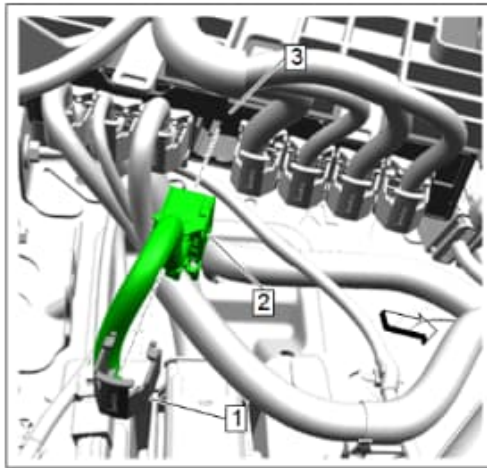


14. Locate the ground bolt (1) on the passenger side cowl. If equipped with more than one ground bolt, choose the bolt with only one eyelet.

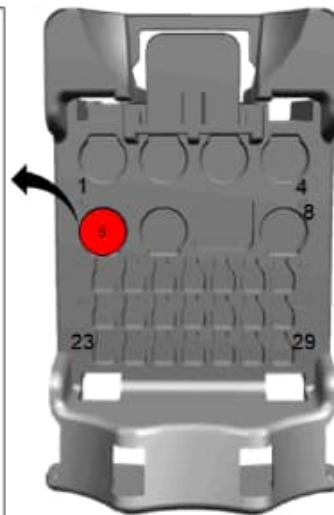
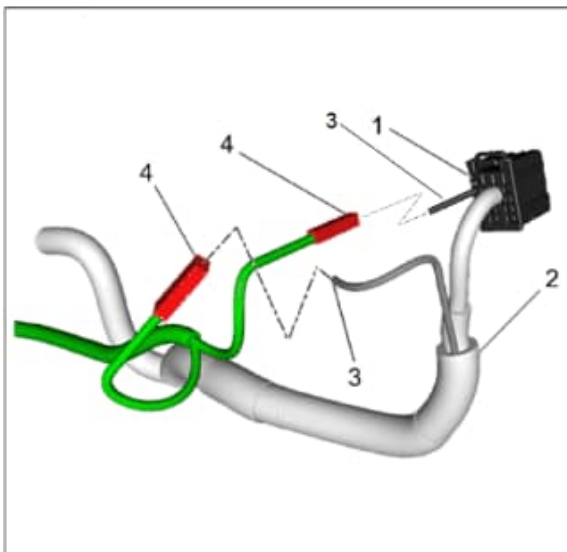
15. Remove the ground bolt (1) and install the illuminated sill plate harness ground eyelet (2) to the existing ground eyelet (3).

**Caution:** Use the correct fastener in the correct location. Replacement fasteners must be the correct part number for that application. Fasteners requiring replacement or fasteners requiring the use of thread locking compound or sealant are identified in the service procedure. Do not use paints, lubricants, or corrosion inhibitors on fasteners or fastener joint surfaces unless specified. These coatings affect fastener torque and joint clamping force and may damage the fastener. Use the correct tightening sequence and specifications when installing fasteners in order to avoid damage to parts and systems.

16. Reinstall the ground bolt (1) and tighten to 25 N.m (18 lb in).

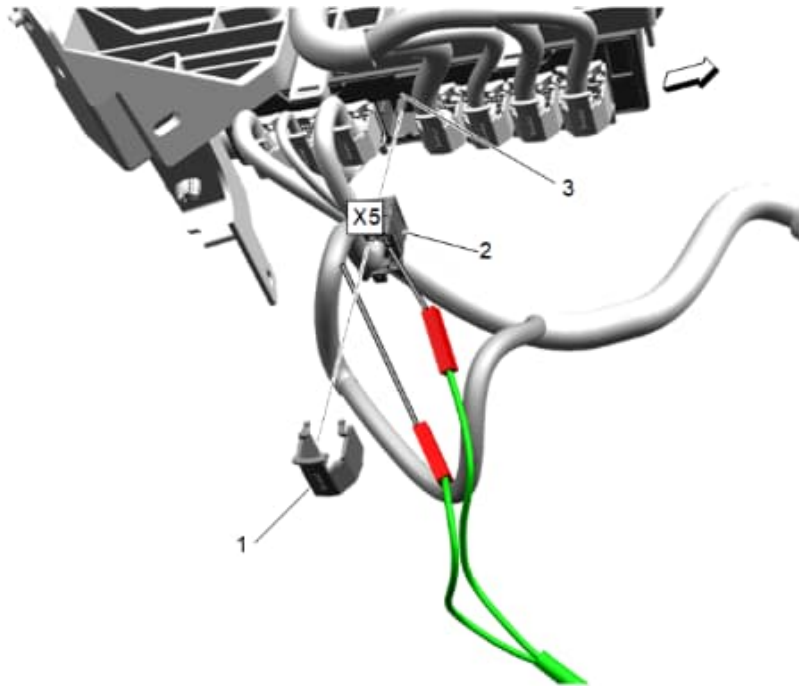


17. Locate the BCM (3) on the driver side of the vehicle, under the I/P. Locate connector X5 and remove cover (1) from connector. Disconnect BCM connector X5 LIGHT GREEN (2).

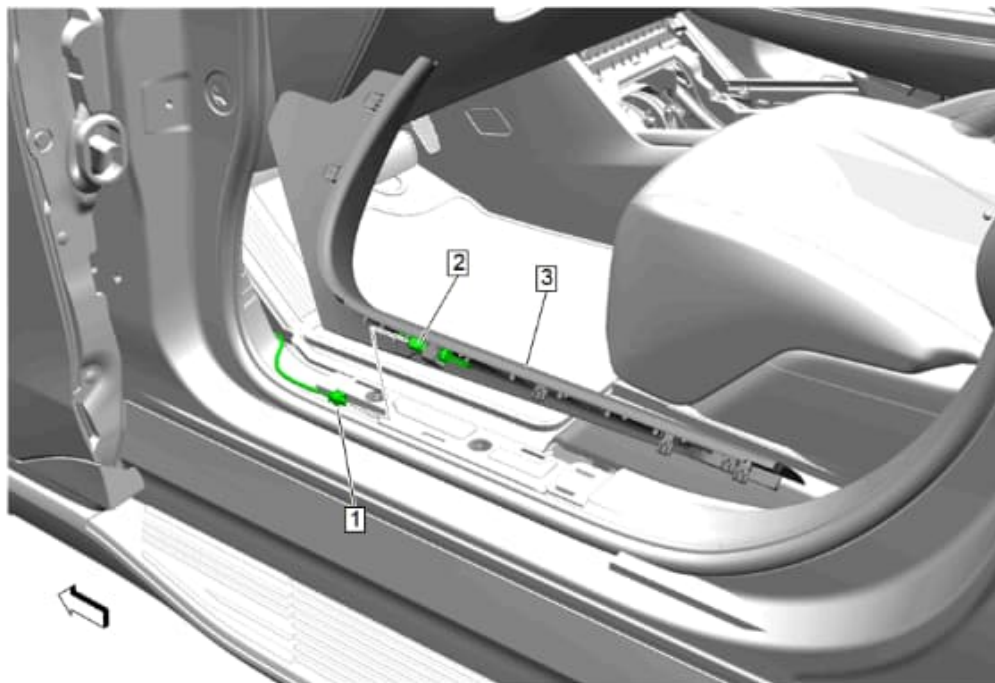


**Important:** DO NOT remove the terminal from connector.

18. Locate cavity #5 on the removed connector (1). Remove wire harness covering (2) starting from connector for approximately 4".
19. Gently separate the wire (3) leading to cavity #5 from the rest of wire bundle.
20. Approximately 50 mm from the rear of the connector cut the wire (3) leading to cavity #5.
- Note:** There is no specific orientation on the supplied harness (4) which needs to be connected to the cut wire (3).
21. On the supplied wire harness locate 2 blunt cut with crimp barrel ends. Refer to [Wire to Wire Repair](#) in Vehicle Service Manual. Splice the previously cut wire by inserting into the crimp barrel (4).
22. Seal splices and re-tape harness to within 25 mm of rear of connector.



- 23. Re-connect connector X5 (2) to the BCM (3).
- 24. Install cover (1) to connector X5 (2).



- 25. Plug in the electrical connector (2) of the illuminated sill garnish molding (3) to the illuminated sill wire harness (1). Do not fully install the illuminated sill garnish molding at this time.

**Check Operation of the Illuminated Sill Plates**

- 25.1. Verify all disconnected electrical connections are re-connected.
- 25.2. Close all doors
- 25.3. Open each door, door garnish molding will illuminate when in night mode.
- 25.4. If the sill garnish molding does not light up, cover the ambient light sensor on the top center of the instrument panel, ensure that the ambient lighting is ON in the Vehicle Personalization menu, if applicable (Vehicle->lighting-> ambient light-> ON), check the ground and BCM cavities as well as other connections at the illuminated sill garnish moldings. Make sure that the headlamp switch is in AUTO and the headlamps are ON. If the dimmer switch is in the lowest setting, the sill moldings will be off.

- 25.5. Check to see if the courtesy lights are working.
- 25.6. Verify that the illuminated sill garnish moldings are operating correctly.
- 25.7. Pull back the carpet and route the harness along the floor about 50 to 75 mm below the top of the carpet, from side to side.
- 25.8. Use tie straps, as required, to keep harness secure and from being seen. 8 tie straps are provided in the harness package. Trim excess off tie straps.  
**Note:** The illuminated sill plates can be installed on either side of the vehicle.
- 25.9. Reinstall the illuminated sill garnish molding. Refer to [Front Side Door Sill Garnish Molding Replacement](#) in Vehicle Service Manual.
- 25.10. Reinstall the front seat adjuster track finish cover (1). Refer to [Front Seat Adjuster Track Finish Cover Replacement](#) in Vehicle Service Manual.
- 25.11. Repeat for the second illuminated sill plate on the opposite side of the vehicle.

### Re-install Carpet and Trim

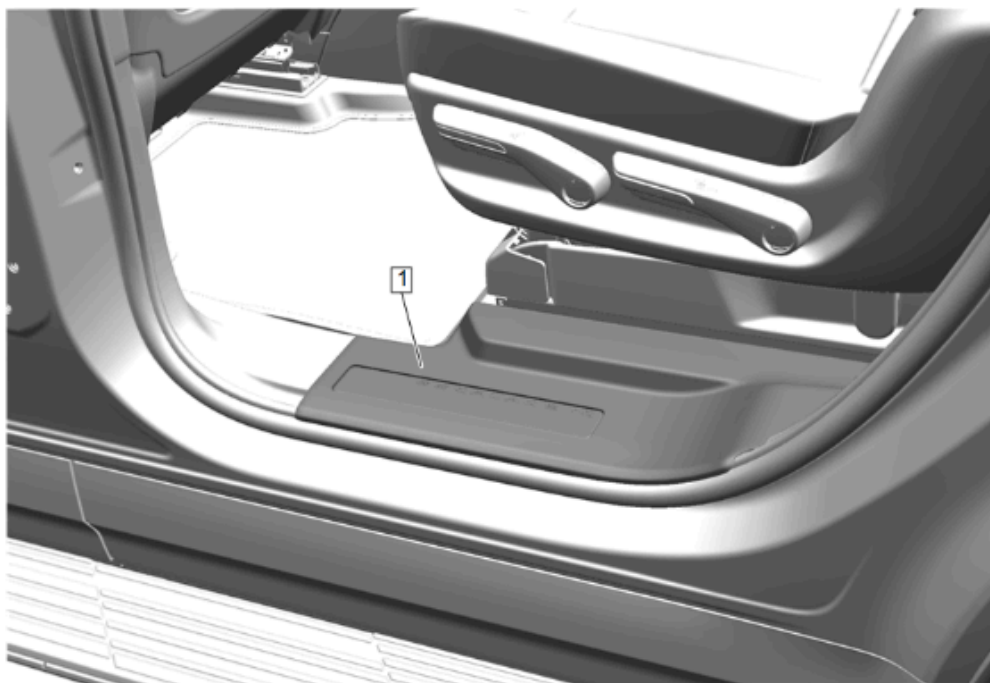
1. Check clips on removed trim panels, replace clips if necessary.
2. Tuck wire harness behind carpet and trim.
3. Reposition carpet, and reinstall removed trim panels.

**Note:** Verify all wires are neatly secured, not pinched and not visible, tie straps should be used as necessary to keep harness secured and out of sight.

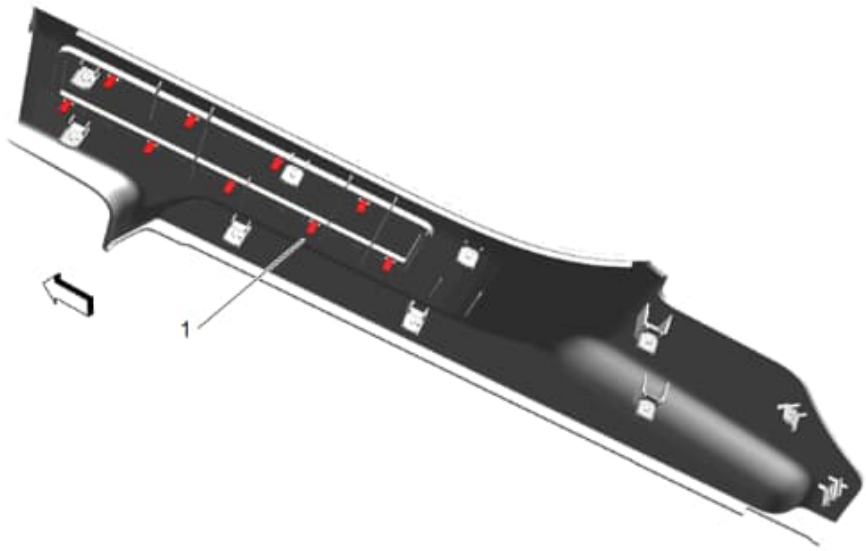
### Functional Verification

1. The sill plates will illuminated only when the vehicle is in Night Mode (senses darkness over a certain level).
2. The sill plates will dim according to the setting of the dimmer switch and will turn off at the lowest setting.
3. The sill plates will be illuminated while driving at night and might be visible to the occupants from beneath the door trim.

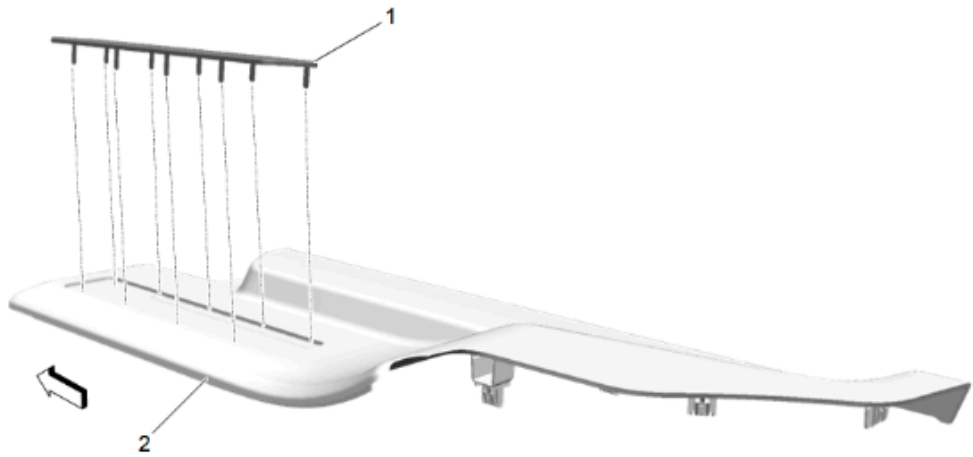
### Rear Sill Plates



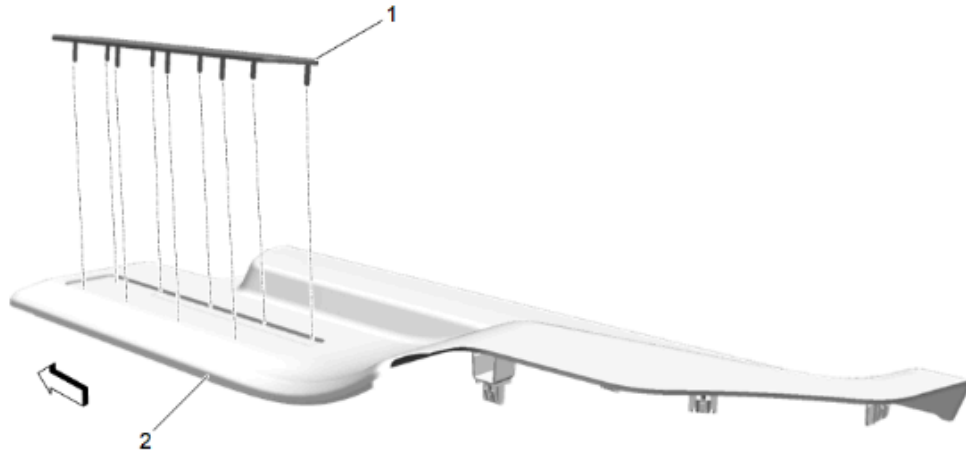
1. Remove the rear side door sill garnish molding (1). Refer to [Rear Side Door Sill Garnish Molding Replacement](#) in Vehicle Service Manual.



© 2025 General Motors. All rights reserved. 2. Disengage the sill center tabs (1) on the back side of the sill garnish molding.

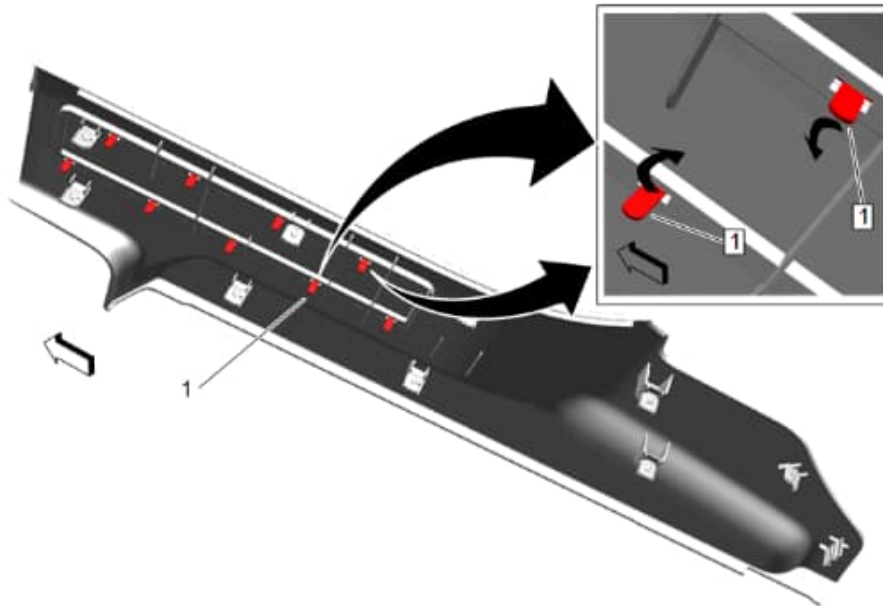


3. Remove the sill center (1) from the sill garnish molding (2).



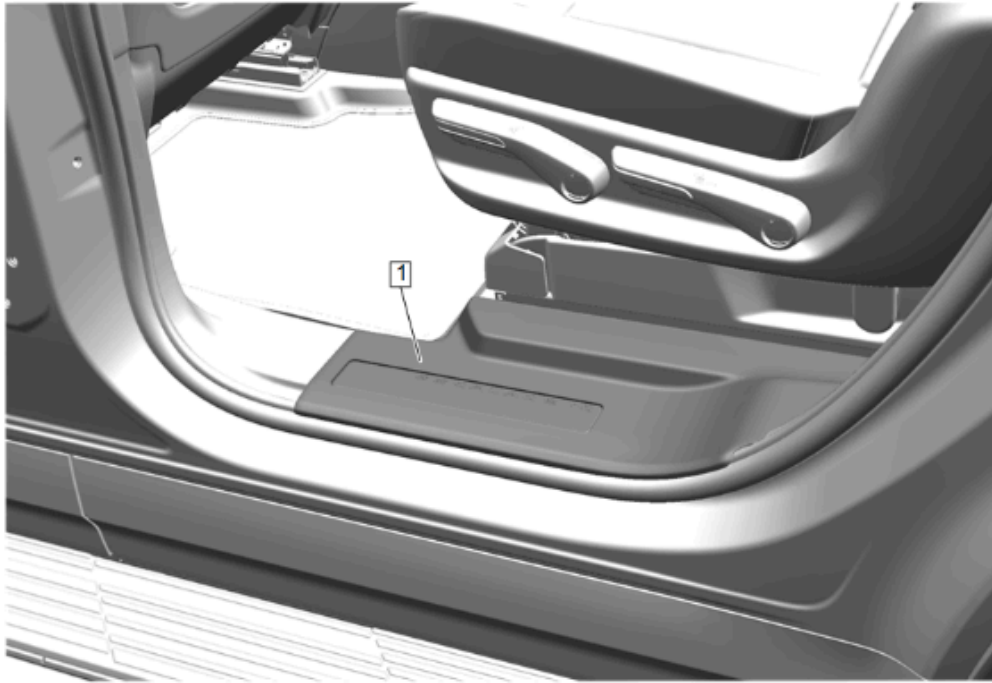
**Note:** Rear sill plate centers are non-illuminated.

4. Install the accessory sill center (1) to the sill garnish molding (2), lining up the tabs.



5. Engage the sill center tabs (1) on the back side of the sill garnish molding.

6. Once all tabs (1) are engaged and that the sill is sitting flush in the garnish molding, fold tabs (1) inward making sure the sill sits snug in the garnish molding.



7. Reinstall the rear side door sill garnish molding (1). Refer to [Rear Side Door Sill Garnish Molding Replacement](#) in Vehicle Service Manual.
8. Repeat procedure for opposite side rear sill plate.