

Front Floor Illumination Lamp Package Installation (Instruction ID: 86559304)

Installation Instructions Part Number

86559304

Kit Contents

QTY	Description
1	Front Floor Illumination Lamp Kit
1	Installation Instructions

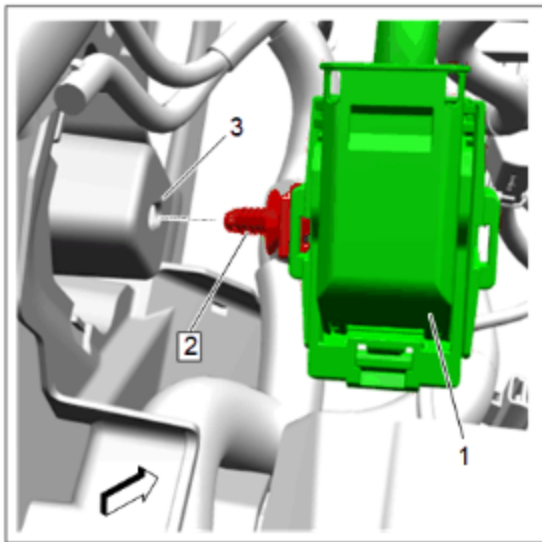
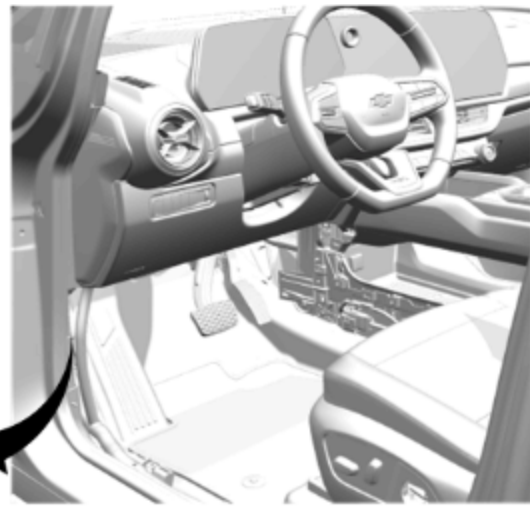
Tools Required

J-38125-215A Terminal Release Tool or Equivalent

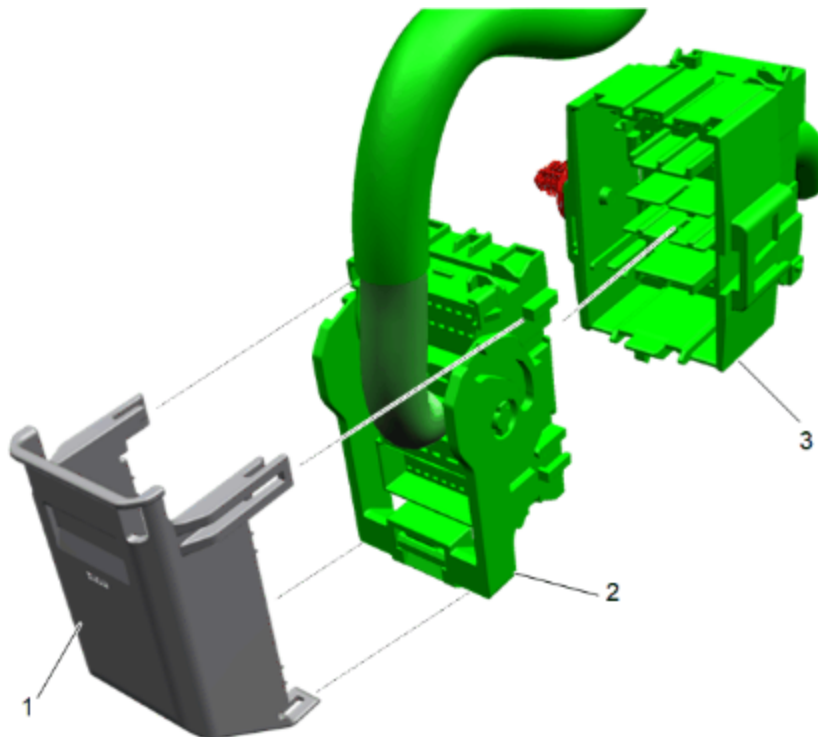
Procedure

Warning: Always ensure the Battery Maintenance Mode is inactive before disconnecting the low voltage 12 volt battery (or batteries). This mode can be active with the ignition off, regardless of whether the vehicle charging cord is plugged in or not. When this mode is active, the on-board high voltage battery charger(s) will energize the 12 volt battery cables and charge the 12 volt battery (or batteries). Disconnecting any battery cables while this mode is active may result in an electrical shock or a burn from hot battery cable leads.

1. Check the 12 volt battery voltage with a digital multimeter before disconnecting any battery cables leads. If the voltage is 13.5 volts or above, the Battery Maintenance Mode is active. The technician must wait for the T18 battery charger to deactivate before disconnecting the battery negative cable. Refer to [Charging System Description and Operation](#) in Vehicle Service Manual.
2. Disconnect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#) in Vehicle Service Manual.
3. Remove the left front side door sill garnish molding. Refer to [Front Side Door Sill Garnish Molding Replacement - Left Side](#) in Vehicle Service Manual.
4. Remove the left instrument panel lower trim panel insulator. Refer to [Instrument Panel Lower Trim Panel Insulator Replacement - Left Side](#) in Vehicle Service Manual.

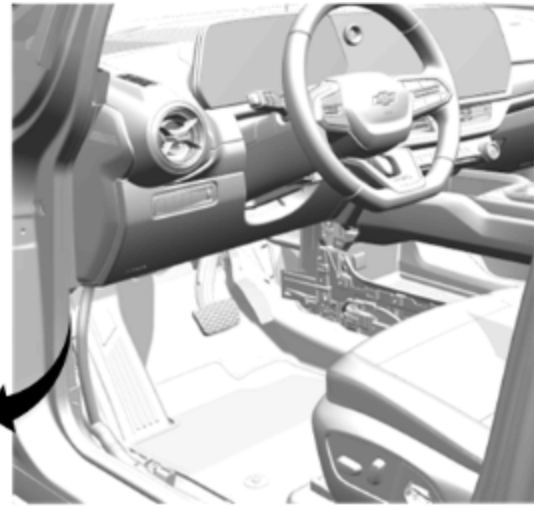
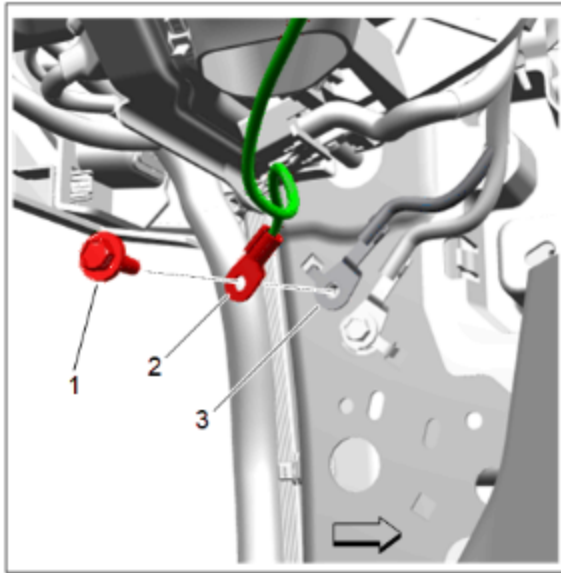


5. Locate connector X210 (1) and disengage the retainer (2) from the vehicle (3).



6. Remove the dress cover (1) from the wiring harness connector X210.

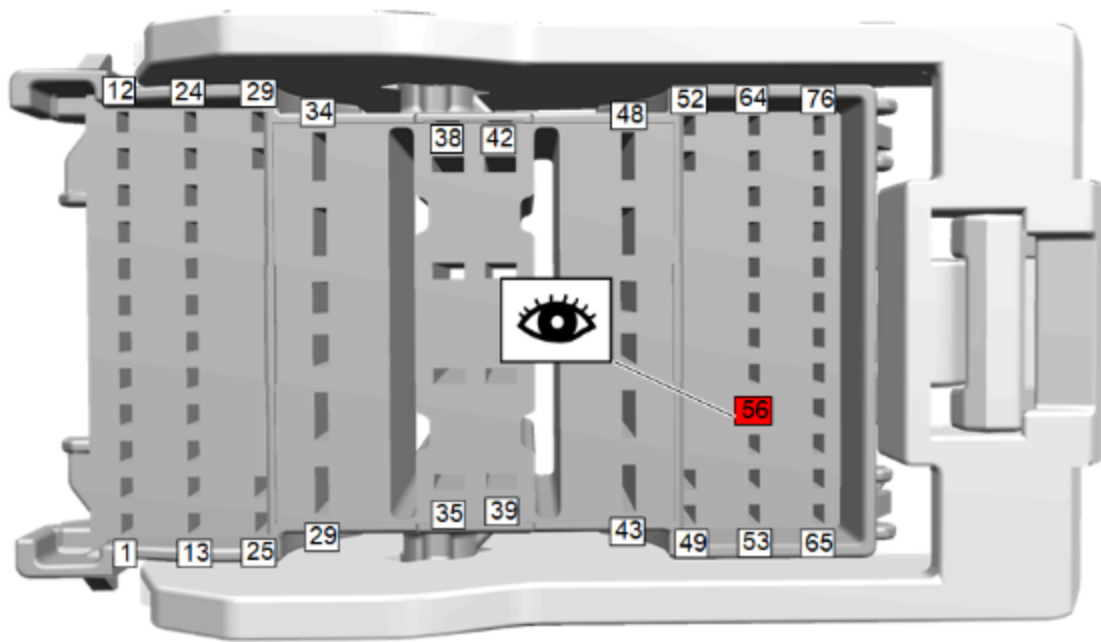
7. Disconnect X210 instrument panel harness connector (2) from the body harness connector (3). Refer to [Inline Harness Connector End Views](#) in Vehicle Service Manual for connector disconnection.



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.

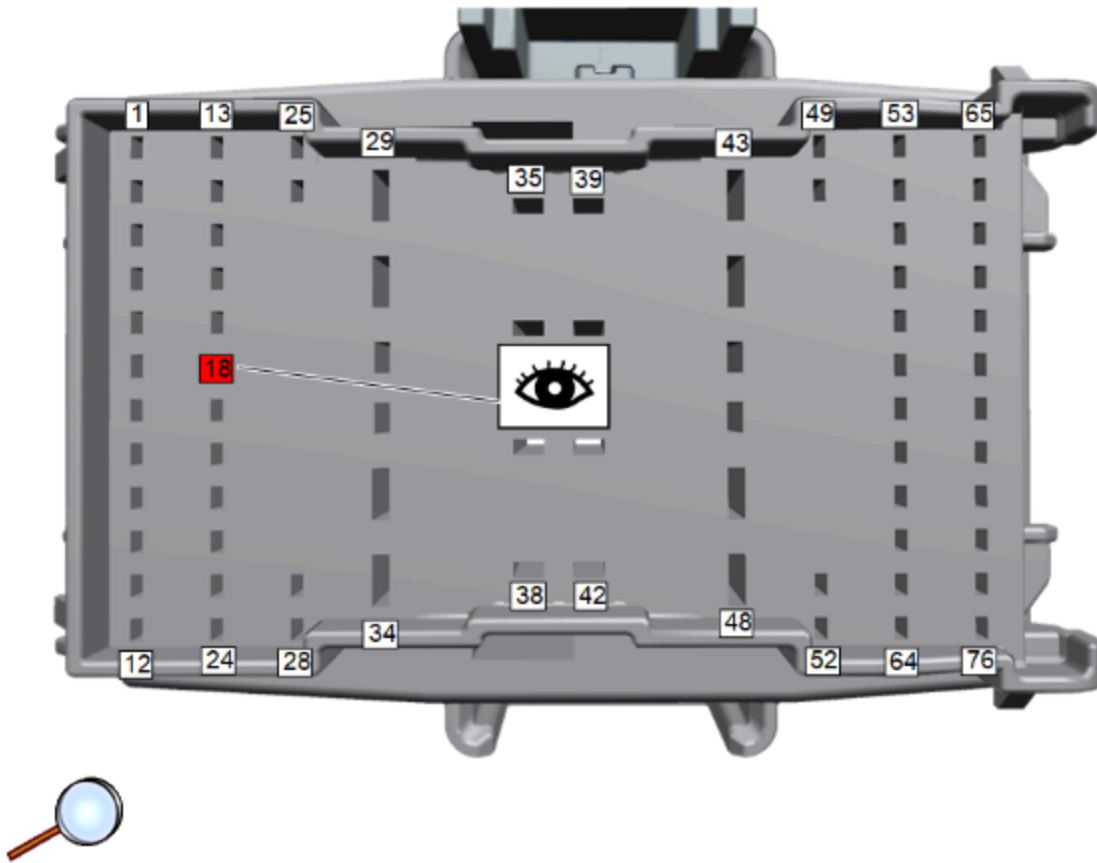
Note: To prevent ground wire of the harness assembly from severing, make sure the ground wire of the harness assembly is aligned in parallel with the vehicle ground cable. Do not orient the ground wire on top, where the bracket hook is located).

8. Remove the upper ground bolt (1) and attach the ground ring terminal (2) of harness to the existing ground terminal (3). Reinstall ground bolt (1) and tighten to **7 N•m (62 lb in)**.



Note: Cavity 57 can be used if there is a wire already in cavity 56.

9. Remove connector TPA from instrument panel harness connector X210, disengage connector lock and remove cavity plug from cavity 56 on the instrument panel harness connector. Refer to [Inline Harness Connector End Views](#) in Vehicle Service Manual for connector disconnection and disassembly.
10. Insert terminal of White Wire from harness in to cavity 56 of instrument panel harness connector X210, make sure terminal is inserted fully.

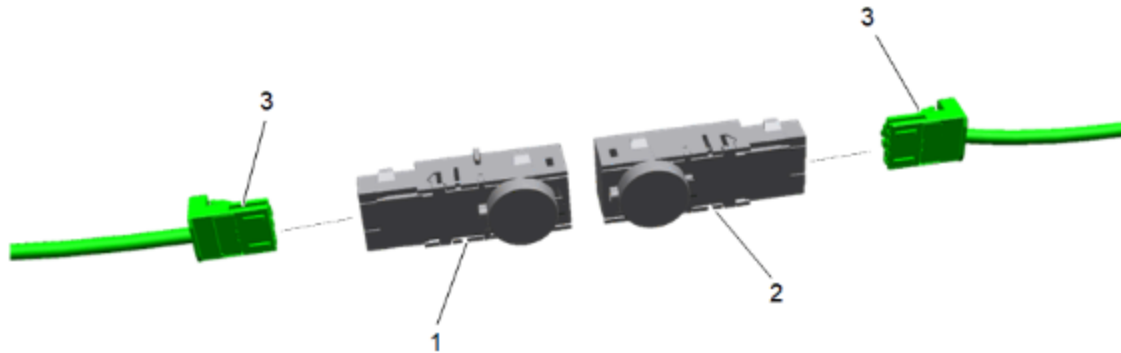


Note: Cavity 19 can be used if there is a wire already in cavity 18.

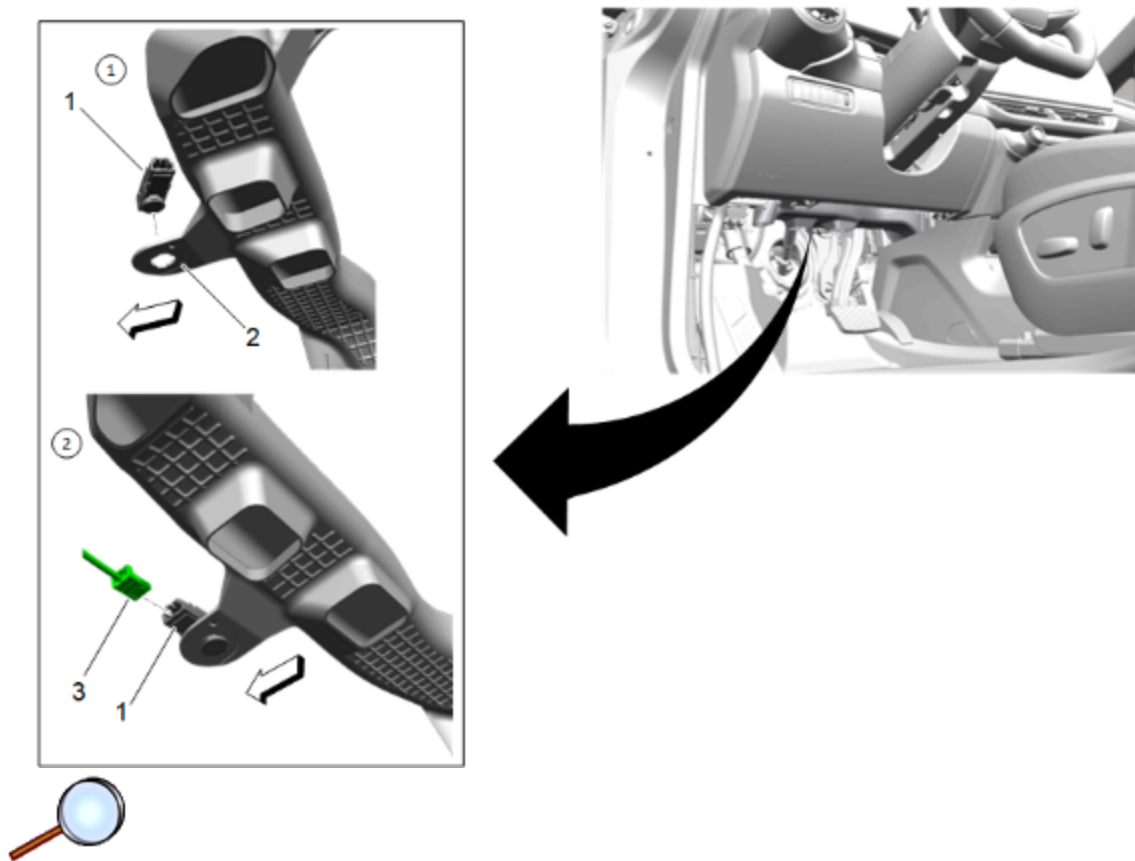
11. Remove connector TPA from body harness connector X210, disengage connector lock and remove cavity plug from cavity 18 on the body harness connector. Refer to [Inline Harness Connector End Views](#) in Vehicle Service Manual for connector disconnection and disassembly.
12. Insert terminal of Green Wire from harness in to cavity 18 of body harness connector X210, make sure terminal is inserted fully.

Note: Connect negative battery cable at this time only in order to test the functionality of lamps in step 14. Do not reinstall any of trim components for the negative battery cable at this time.

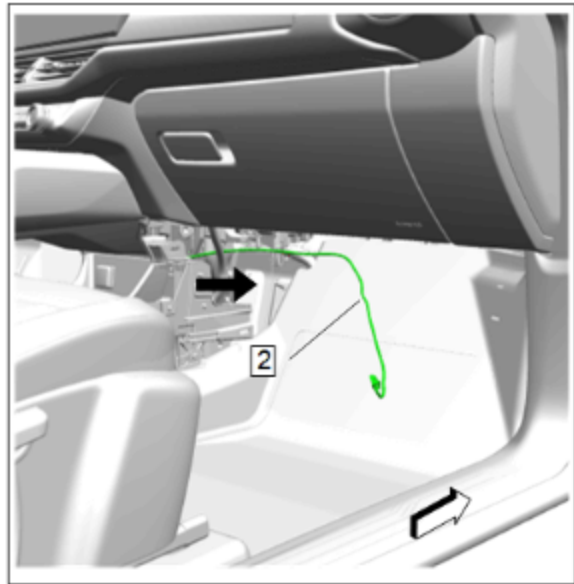
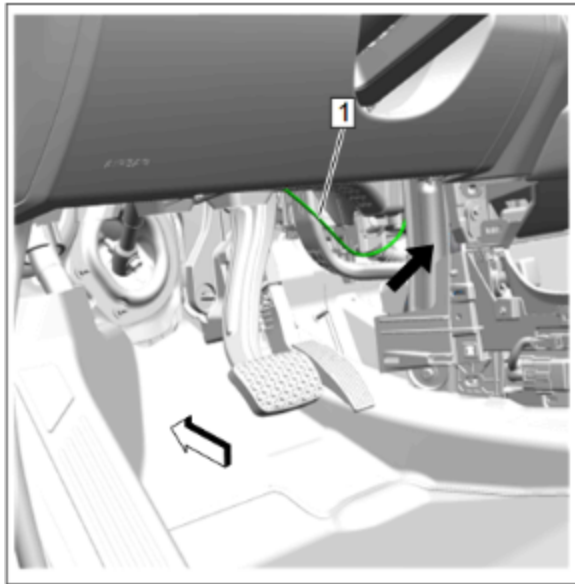
13. Connect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#) in Vehicle Service Manual.



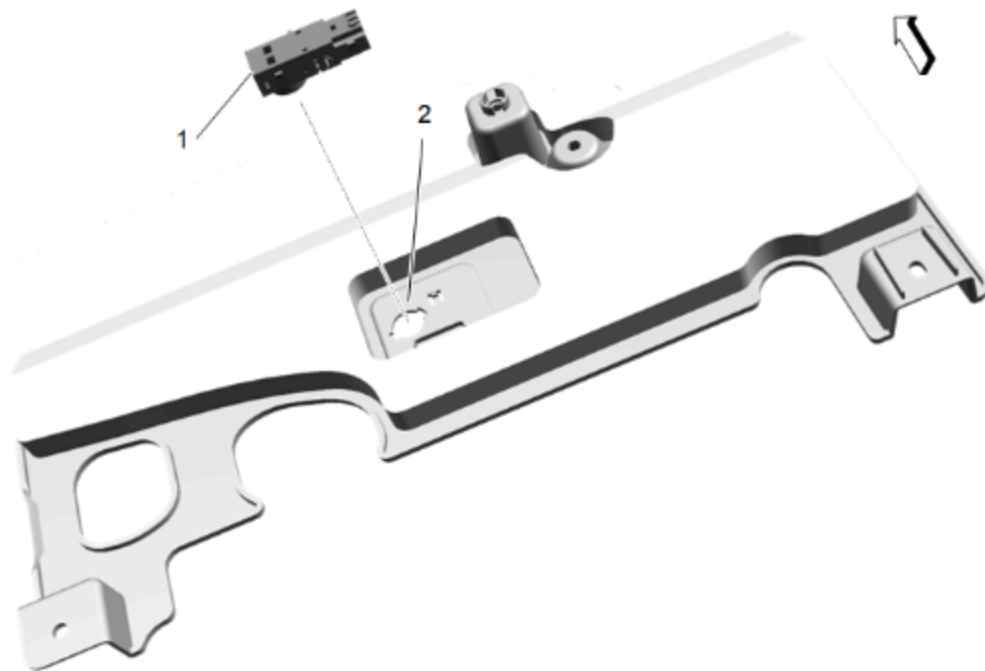
14. Connect both RGB Lamps, LH/Driver (1) (PN: 86565111) and RH/Passenger (2) (PN: 86560537), to the wire harness connectors (3) and ensure that both RGB lamps are functional and are in sync with the doors and I/P lamp colors. Once correct function of both RH and LH RGB lamps has been confirmed, disconnect both RGB lamps from the wire harness connectors and then proceed to step 15.
15. Disconnect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#) in Vehicle Service Manual.



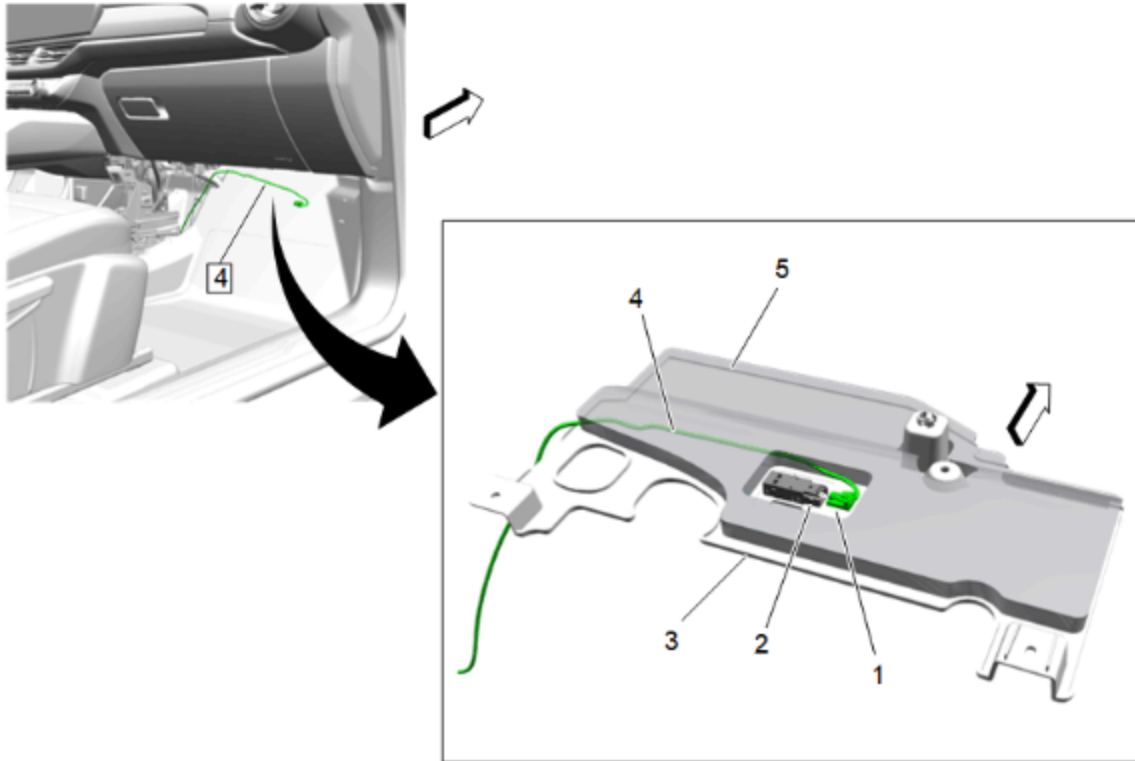
16. Install the LH/Driver RGB Lamp (1) (PN: 86565111) onto the backside (B-Surface) of the HVAC duct/panel's slotted hole (2), and turn clockwise to secure the lamp onto the panel.
17. Connect the LH wire harness connector (3) (the shorter wire harness branch) onto the RGB lamp connector (1).
18. Remove the left front floor console extension panel. Refer to [Front Floor Console Extension Replacement - Left Side](#) in Vehicle Service Manual.
19. Remove the right front floor console extension panel. Refer to [Front Floor Console Extension Replacement - Right Side](#) in Vehicle Service Manual.
20. Remove the right instrument panel lower trim panel insulator. Refer to [Instrument Panel Lower Trim Panel Insulator Replacement - Right Side](#) in Vehicle Service Manual.



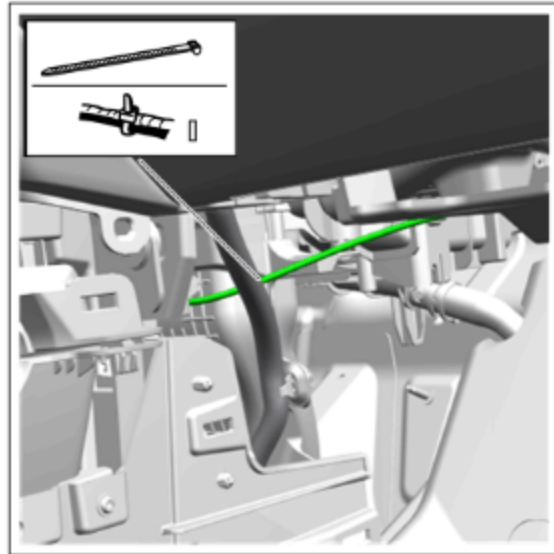
21. Feed the wire harness through the exposed sides of the center console, from the driver side (1) to the passenger side (2).



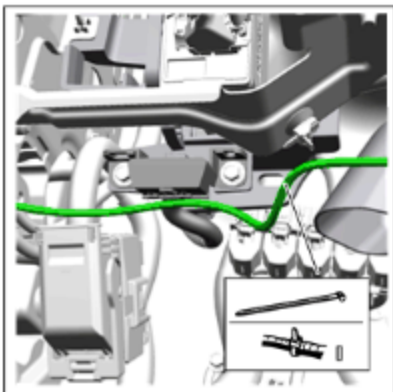
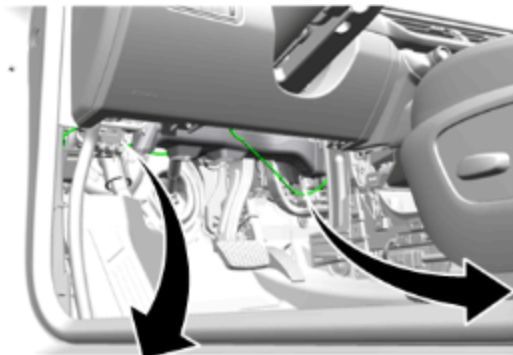
22. Install the RH/Passenger RGB lamp (1) (PN: 86560537) onto the backside (B-Surface) of the RH/Passenger underside panel's slotted hole (2), and turn clockwise to secure the lamp onto the panel.



23. Feed wire harness (4) under the B-Side felt insulation (5) of the underside panel (3) (RH/Passenger).
24. Connect harness connector (1) to lamp (2).
25. Reinstall the right instrument panel lower trim panel insulator. Refer to [Instrument Panel Lower Trim Panel Insulator Replacement - Right Side](#) in Vehicle Service Manual.



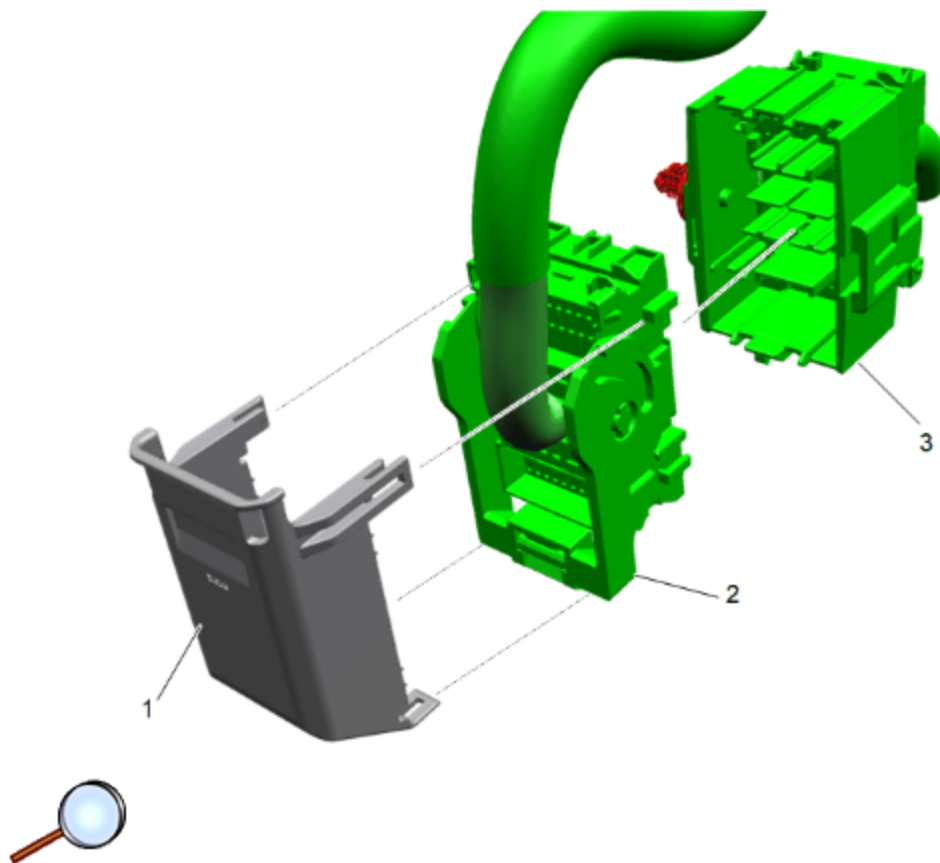
26. On the passenger side, secure the accessory harness to the vehicle harness with supplied tie strap. Make sure harness does not come in contact with any sharp edges or moving parts. Trim excess off tie strap.



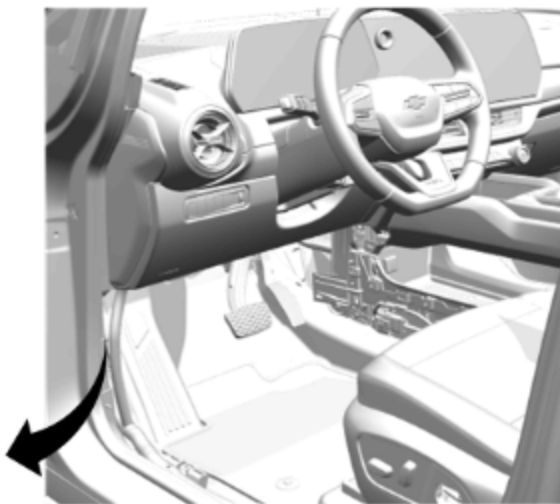
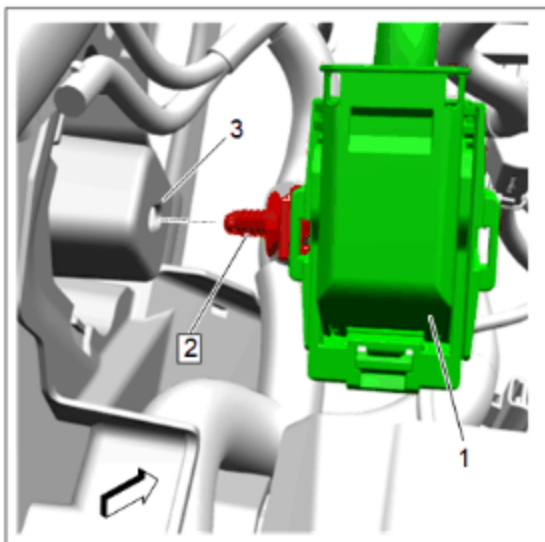
27. On the driver side, secure the accessory harness to the HVAC duct areas and data link connector bracket with supplied tie straps as shown. Distance from each tie strap should not exceed 200mm. Make sure harness does not come in contact with any sharp edges or moving parts. Trim excess off tie straps.

Note: Connect negative battery cable at this time only in order to test the functionality of lamps in step 29. Once functionality is confirmed then proceed with the installation of the remaining components in the negative battery cable connection procedure.

28. Connect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#) in Vehicle Service Manual.
29. Test and confirm functionality of footwell lamps.
30. Reinstall the right front floor console extension panel. Refer to [Front Floor Console Extension Replacement - Right Side](#) in Vehicle Service Manual.



31. Reconnect X210 instrument panel harness connector (2) to the body harness connector (3). Refer to [Inline Harness Connector End Views](#) in Vehicle Service Manual for connector connection.
32. Install cover (1) to connector.



33. Engage the retainer (2) of connector X210 (1) to the vehicle (3).
34. Reinstall the left front floor console extension panel. Refer to [Front Floor Console Extension Replacement - Left Side](#) in Vehicle Service Manual.
35. Reinstall the left instrument panel lower trim panel insulator. Refer to [Instrument Panel Lower Trim Panel Insulator Replacement - Left Side](#) in Vehicle Service Manual.
36. Reinstall the left front side door sill garnish molding. Refer to [Front Side Door Sill Garnish Molding Replacement - Left Side](#) in Vehicle Service Manual.