

Rocker Panel Molding Ground Lamp Package Installation

Installation Instructions Part Number

86791948

Kit Contents

QTY	Description
2	Rocker Molding Ground Lamp
12	Rocker Molding Attachment Clip (P/N 11601845)
1	Installation Instructions

Tools Required

Terminal Pick Tool J-38125-215A or equivalent

Terminal Pick Tool J-38125-11A or equivalent

Plastic Flat-Bladed Tool

Suitable Trim Removal Tool

Long Nose Pliers

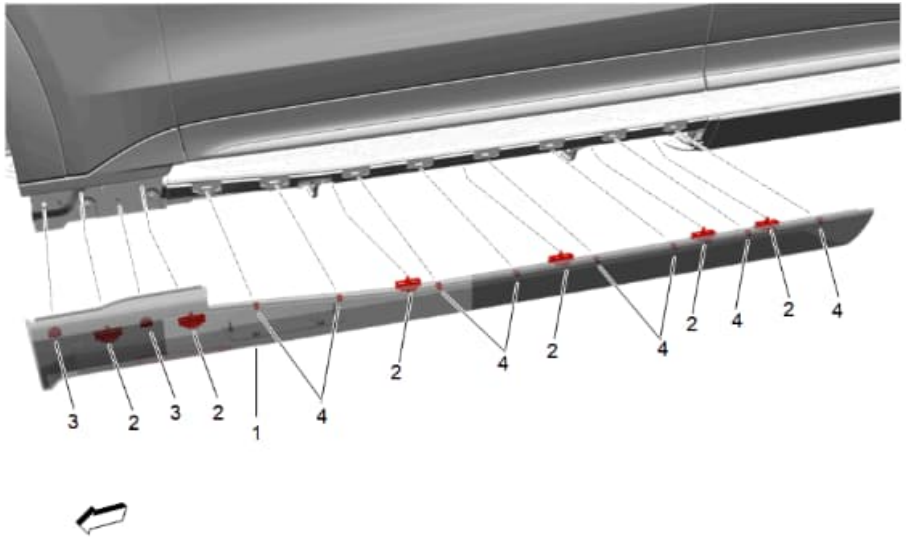
Procedure

Note: Left side lamp installation is shown in the following steps. Right side similar. Marking on the lamps indicate "LH" or "RH".

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

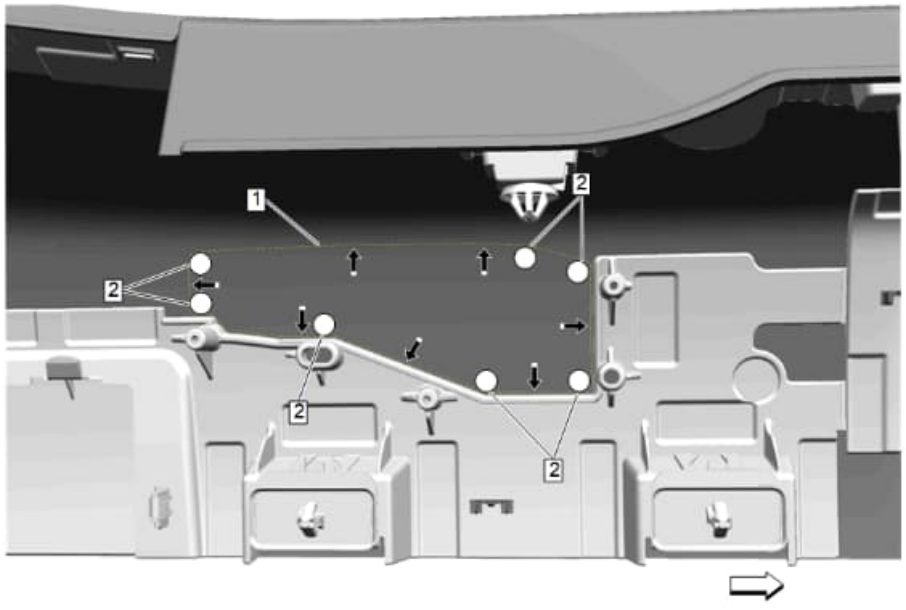
Note: Front wheel and tire assemblies do not need to be removed if accessory splash guards are not installed. Turn wheel to access liners for removal.
3. Remove the left and right front rear wheelhouse liners. Refer to [Front Wheelhouse Rear Liner Replacement](#) in Vehicle Service Manual.
4. If the vehicle is equipped with front accessory splash guards (RPO VRV) or installing them at the same time, remove the front wheel and tire assemblies. Refer to [Tire and Wheel Removal and Installation](#) in Vehicle Service Manual.



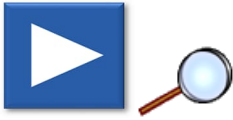
Click Image For Video



5. Using a suitable trim removal tool, disengage the large clips (2) on the front rocker panel molding (1).
Note: Replace clips as necessary. Larger clips (GM P/N 11601845) included in kit. Smaller clips (GM P/N 11547581) not included.
- Note:** Refer to video above for proper disengagement of front clips (3).
6. Using long nose pliers, disengage the front clips (3) on the front rocker panel molding (1).
7. Using a suitable plastic flat-bladed tool, disengage the remaining clips (4) and remove the front rocker panel molding (1) from the vehicle.
8. Inspect inside the front rocker area for dirt, debris, water, etc. Clean the area in preparation for the next step.



Click Image For Video



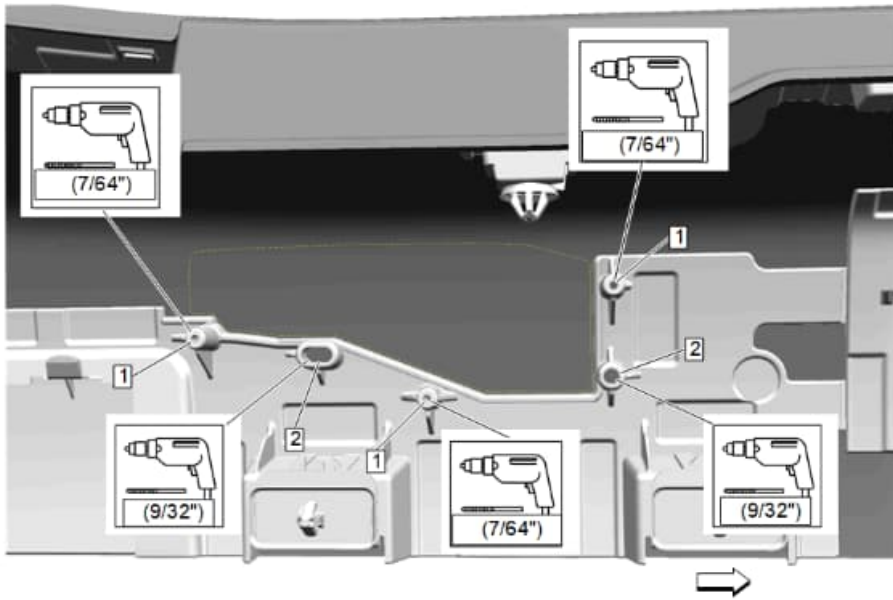
9. Use the inner rocker molding as a template and mark contour scribe line (1) with a bright paint pen before proceeding to the next step.

Caution: Always check size and position of all holes before drilling. Failing to do so may cause damage to the vehicle, misalignment of components or the inability to install the accessory.

10. Inside the marked contour scribed line (1) drill start holes (2) in the areas shown.

Note: Refer to video above for cutting rocker molding.

11. Using an oscillating cutting tool with a fine tooth cutting blade, cut opening along the marked contour scribe line (1) as close as possible (No more than 1mm outside the line). Adjust the cutting speed to avoid melting the plastic along the cutting edges. Burrs must be removed before continuing to next step.

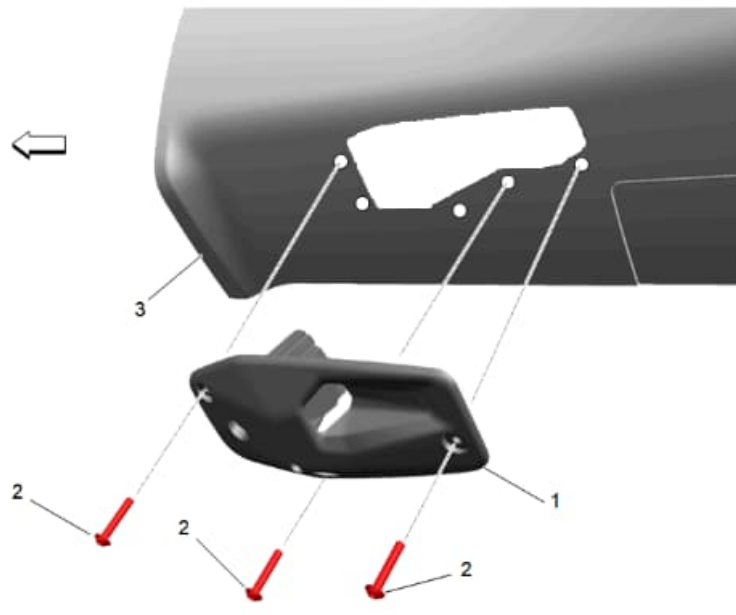


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Caution: Always check size and position of all holes before drilling. Failing to do so may cause damage to the vehicle, misalignment of components or the inability to install the accessory.

12. Using a (7/64") drill bit, drill holes (1) in the areas for lamp screws.

13. Using a (9/32") drill bit, drill holes (2) in the areas for lamp locator holes.



Note: Assembly marked "LH" (Drivers Side) or "RH" (Passenger Side).

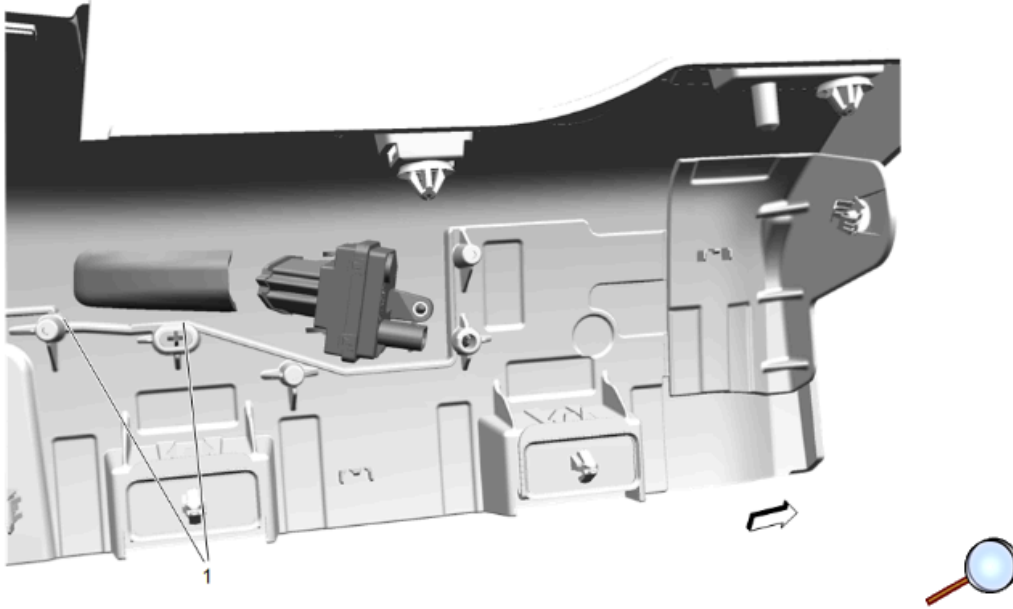
14. Identify the lamp assembly (1) for each side by checking markings on the lamp body.

15. Lift the lamp assembly up into the rocker molding (3) inserting the cross line-up features into the corresponding holes inside the rocker panel.

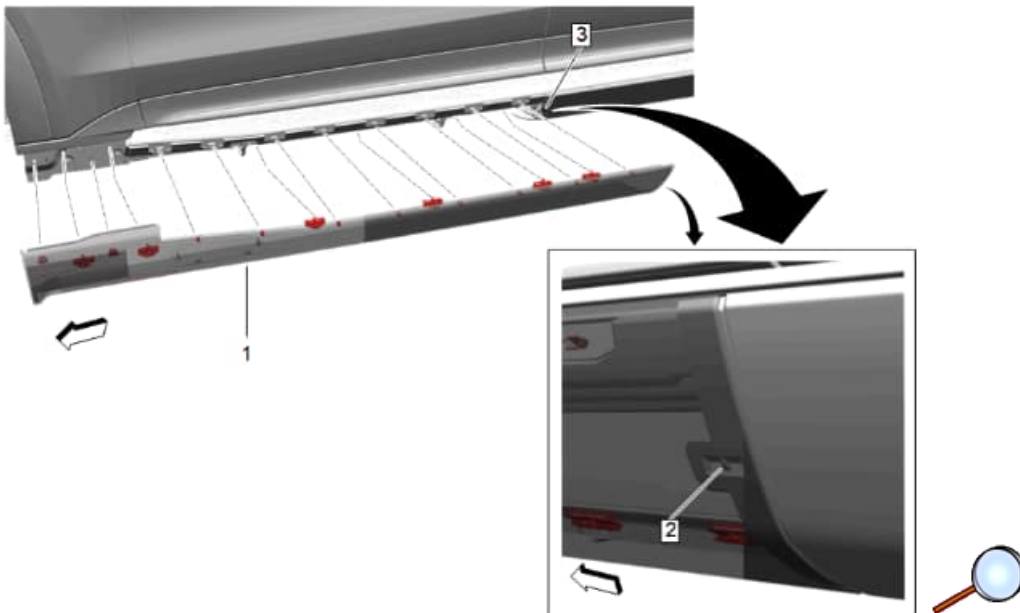
Caution: Use the correct fastener in the correct location. Replacement fasteners must be the correct part number for that application. Fasteners requiring replacement or fasteners requiring the use of thread locking compound or sealant are identified in the service procedure. Do not use paints, lubricants, 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. While holding the lamp assembly in place, insert and engage the threads of the self tapping screws (2). Ensure assembly is seated all around.

17. While holding lamp assembly tighten the self tapping screws (2) to **2.5 N•m (22 lb in)**.



18. Check clearance of bezel (1) to outer rocker to ensure no gap is between bezel and outer rocker. Cut more outer rocker material if necessary.



Click Image For Video



Note: Replace clips as necessary supplied in kit if broken during rocker panel molding removal.

19. Position the front rocker panel molding (1) to the vehicle making sure to align the hook feature (2) with the rear rocker panel molding (3). Apply firm pressure to front rocker panel molding making sure all clips are engaged.

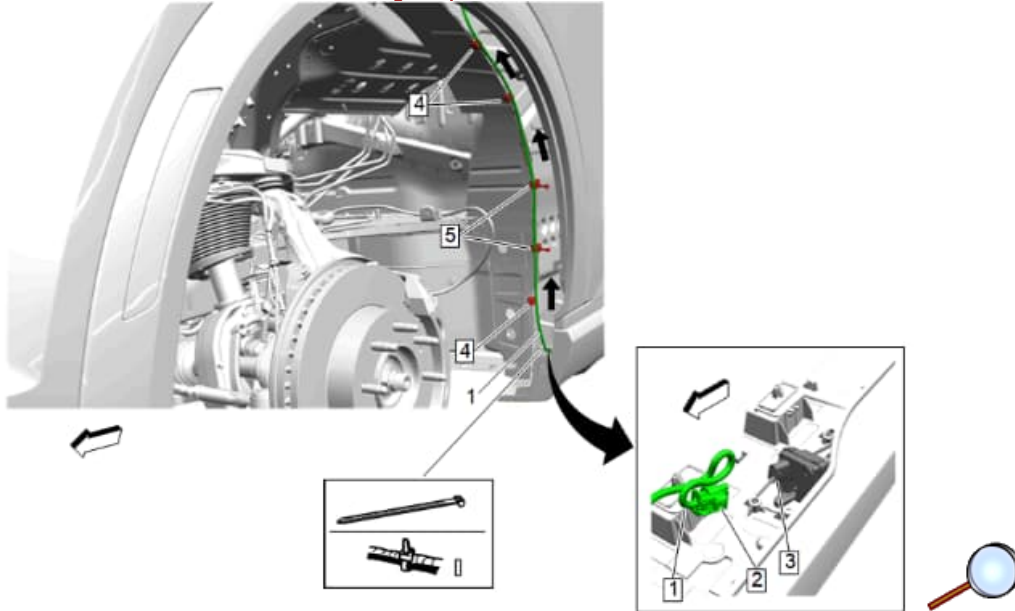
20. Repeat steps 5 through 19 for opposite side.

Electrical Wiring Harness Installation Procedure

Driver Side Lamp Harness

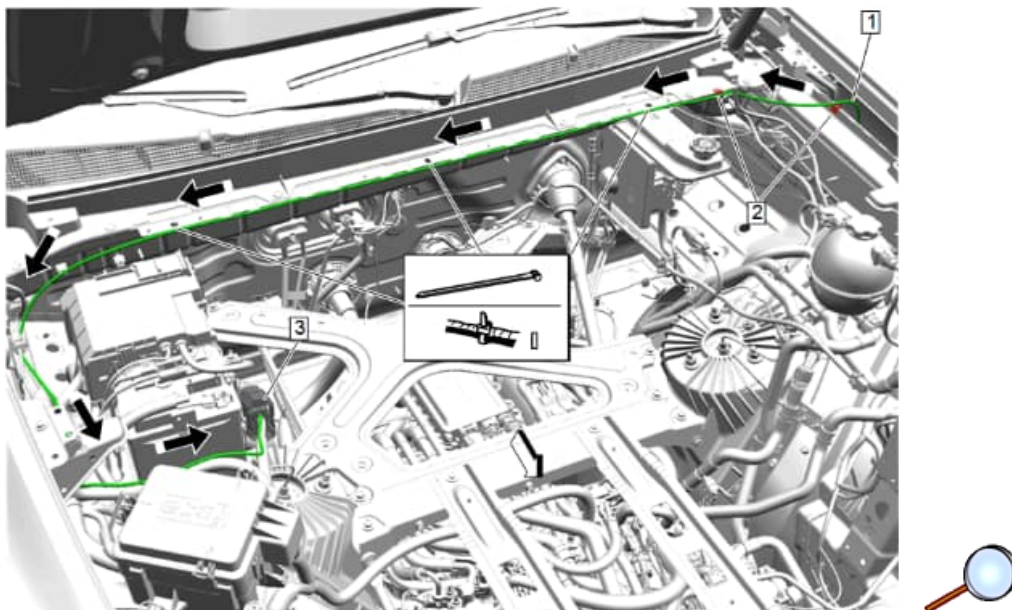
1. Remove the Front Trim Finish Compartment and Front Underhood Compartment. Refer to [Front Trim Finish Compartment Removal and Installation](#) in Vehicle Service Manual.

Note: There are two different size edge clips included in the kit.



Note: Tire and wheel shown removed for clarity.

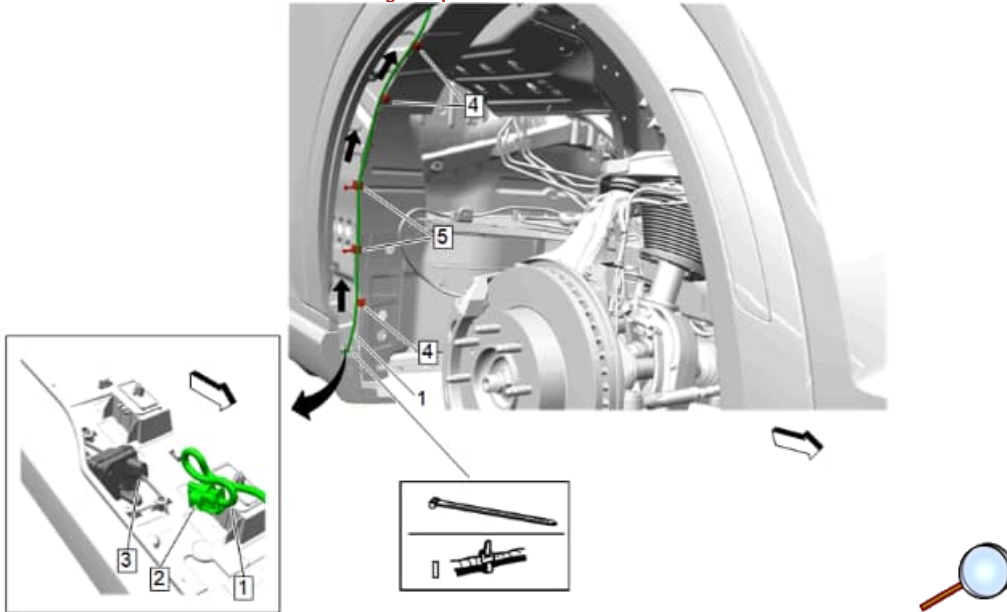
2. Connect the harness connector (2) to the rocker lamp (3). Route the rocker lamp wiring harness (1) up through the wheel well into the front compartment as shown. Notch sealant in wheel well area as needed to install edge clips.
3. Install a small size edge clip (4) in the locations shown.
4. Install a large size edge clip (5) in the locations shown.
5. Use the included tie straps to secure the wiring harness as shown. Trim excess off tie straps.



6. Continue to route the wiring harness (1) from the wheel well area over the rail into the engine bay along the front plenum towards passenger side to body wiring harness to engine wiring harness connector X111 (3).
7. Install the small size edge clips (2) in the locations shown.
8. Use the included tie straps to secure the wiring harness to front plenum as shown. Trim excess off tie straps.

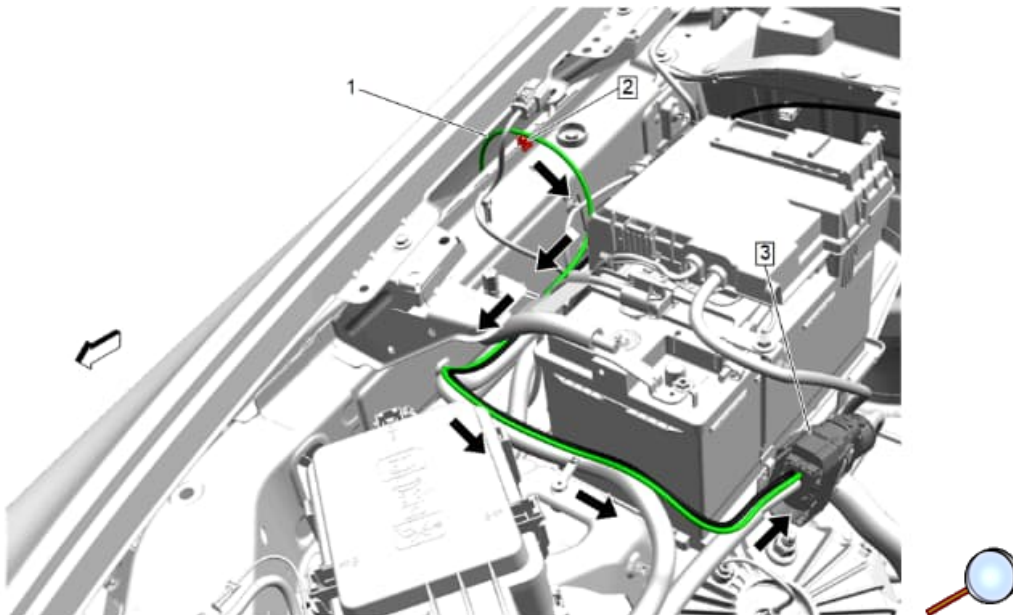
Passenger Side Lamp Harness

Note: There are two different size edge clips included in the kit.

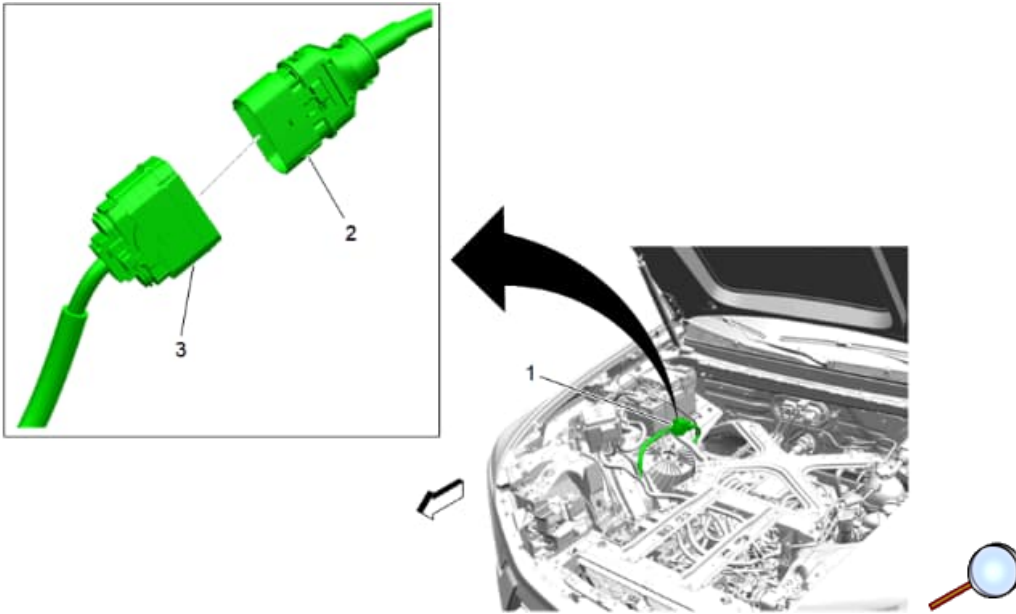


Note: Tire and wheel shown removed for clarity.

1. Connect the harness connector (2) to the rocker lamp (3). Route the rocker lamp wiring harness (1) up through the wheel well into the front compartment as shown. Notch sealant in wheel well area as needed to install edge clips.
2. Install a small size edge clip (4) in the locations shown.
3. Install a large size edge clip (5) in the locations shown.
4. Use the included tie straps to secure the wiring harness as shown. Trim excess off tie straps.

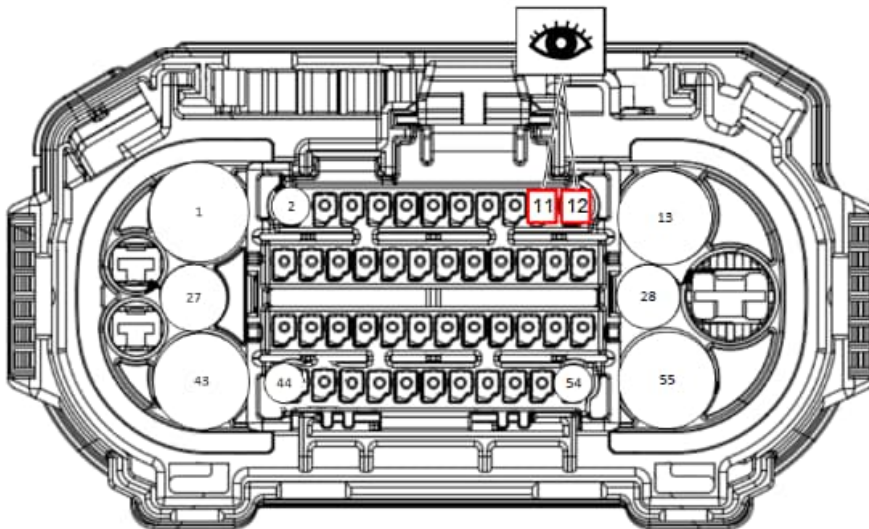


5. Continue to route the wiring harness (1) from the wheel well area over the rail into the engine bay along the battery to body wiring harness to engine wiring harness connector X111 (3).
6. Install the small size edge clip (2) in the location shown.



7. Locate connector X111 body wiring harness to engine wiring harness (1) and disconnect the connector from the retention clip.
8. Disconnect X111 body harness connector (2) from the engine harness connector (3). Refer to [Inline Harness Connector End Views](#) in Vehicle Service Manual for connector disconnection.
9. Remove the dress cover from the engine wiring harness connector (3).

Note: BACK OF CONNECTOR X111 VIEW SHOWN.



Note: If the passenger side rocker lamp harness has the incorrect female terminal that will not insert into cavity 12 at connector X111. Cut the incorrect terminal off on the passenger side rocker lamp harness and perform a one-to-one splice with the blunt circuit found at cavity 12 of connector X111.

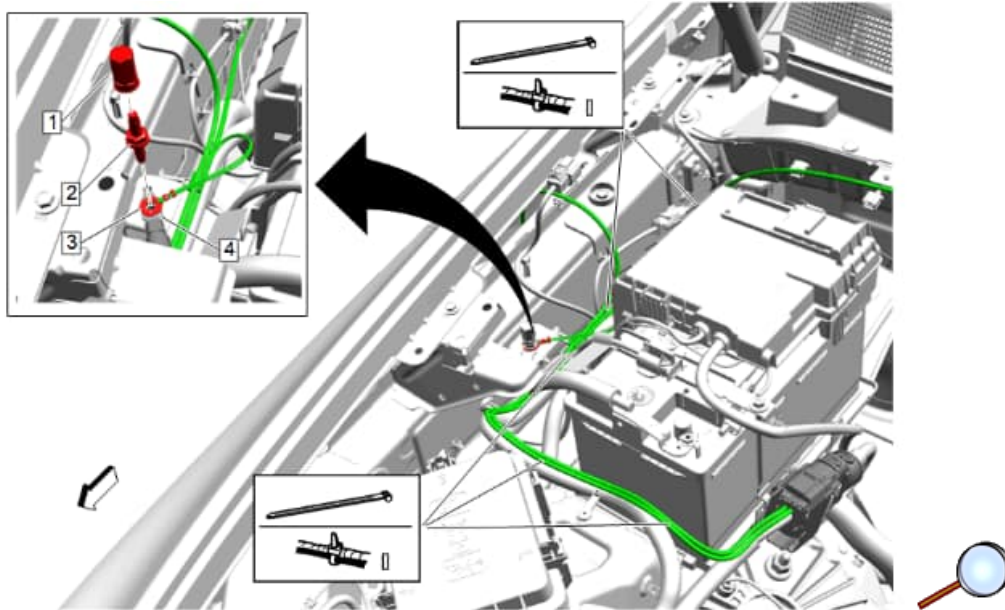
10. Remove connector TPA from engine harness connector X111, disengage connector lock and remove cavity plug from cavity 11 and remove dummy blunt circuit from cavity 12 on the engine harness connector. The dummy blunt cut circuit can be taped and positioned back onto the bundle. Refer to [Inline Harness Connector End Views](#) in Vehicle Service Manual for connector disconnection and disassembly.
11. Insert terminal from driver side rocker lamp harness in to cavity 11 of engine harness connector X111, make sure terminal is inserted fully.

Note: It should require little effort to fully insert and lock the terminal into the cavity, if excessive effort is required. Verify the TPA is in the fully released position.

12. Insert terminal from passenger side rocker lamp harness in to cavity 12 of engine harness connector X111, make sure terminal is inserted fully.

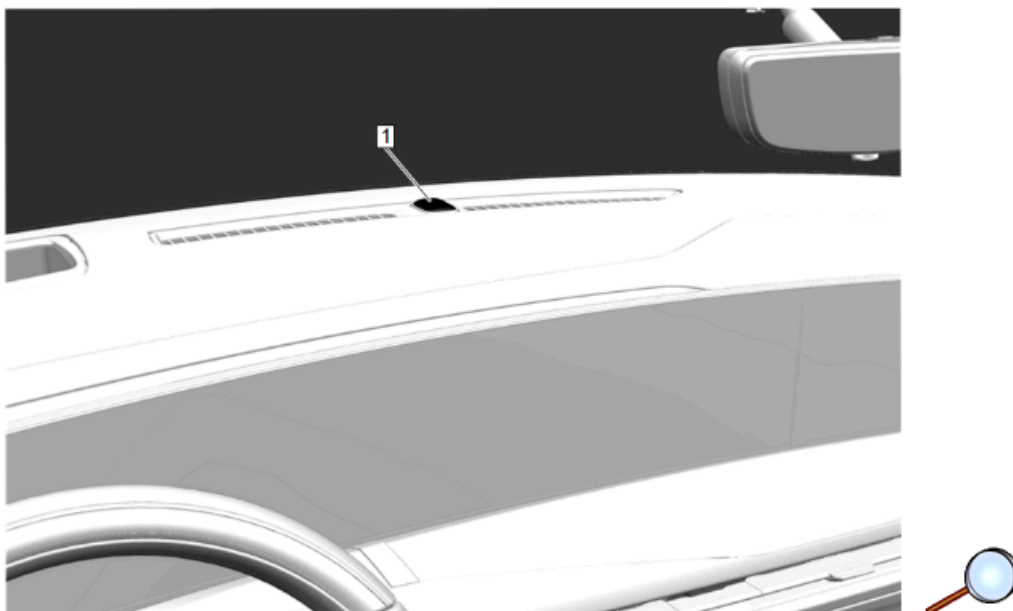
Note: It should require little effort to fully insert and lock the terminal into the cavity, if excessive effort is required. Verify the TPA is in the fully released position.

13. Replace connector TPA, engage connector lock, install dress cover, reconnect inline connector and reinstall connector onto clip/retention point.



14. Remove the cap (1) from ground stud (2).
15. Remove the ground stud (2) and attach the ground ring terminal (3) to the existing ground terminal (4). Reinstall ground stud and tighten to **9 N·m (80 lb in)**.
16. Reinstall cap (1) to ground stud (2).
17. Using the provided splice clips, make two one to one splices, one ground circuit coming from driver side jumper and another from passenger side jumper.
18. Secure rocker lamp harness with provided tie straps at area shown. Trim excess off tie straps.
19. Connect the 12 volt negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#) in Vehicle Service Manual.

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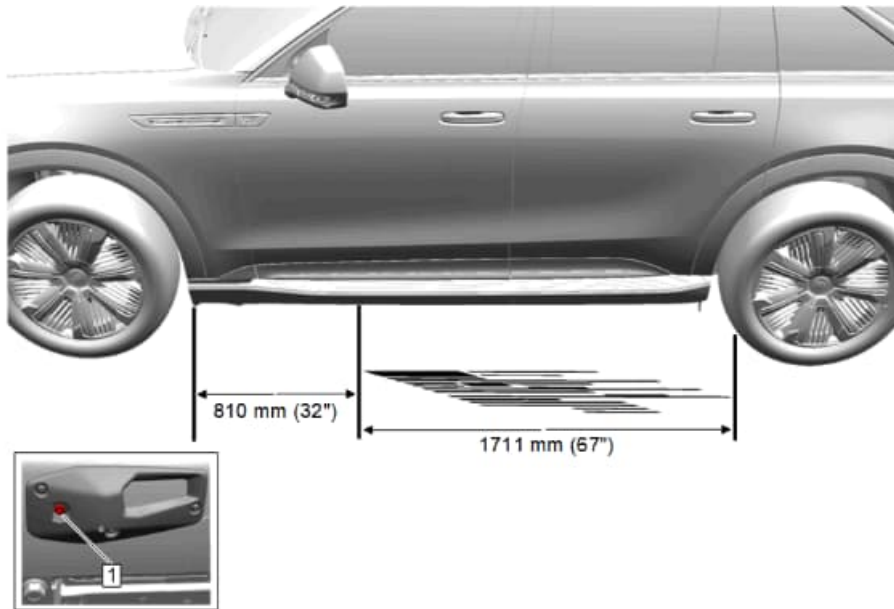
Note: Make sure to cover the light sensor (1) and check that the illumination is turned on in the vehicle controls setting of the radio.

20. Lock and unlock doors by using the key fob to activate the rocker panel exterior illumination image.
21. Install the Front Trim Finish Compartment. Refer to [Front Trim Finish Compartment Removal and Installation](#) in Vehicle Service Manual.
22. Install the left and right front rear wheelhouse liners. Refer to [Front Wheelhouse Rear Liner Replacement](#) in Vehicle Service Manual.

23. Install the front wheel and tire assemblies, if removed. Refer to [Tire and Wheel Removal and Installation](#) in Vehicle Service Manual.

Note: After completing installation, image tuning is required for optimum position and clarity as final step.

Image Projection Verification and Adjustment



Lock and unlock doors by using the key fob to activate the rocker panel exterior illumination image. If the image dimensions on ground is not as shown, slightly turn the adjustment screw (1) with an Alan Key until dimensions are met for optimum image clarity. Do not apply excessive force.