

Rocker Panel Molding Ground Lamp Package Installation

Installation Instructions Part Number

85578107

Kit Contents

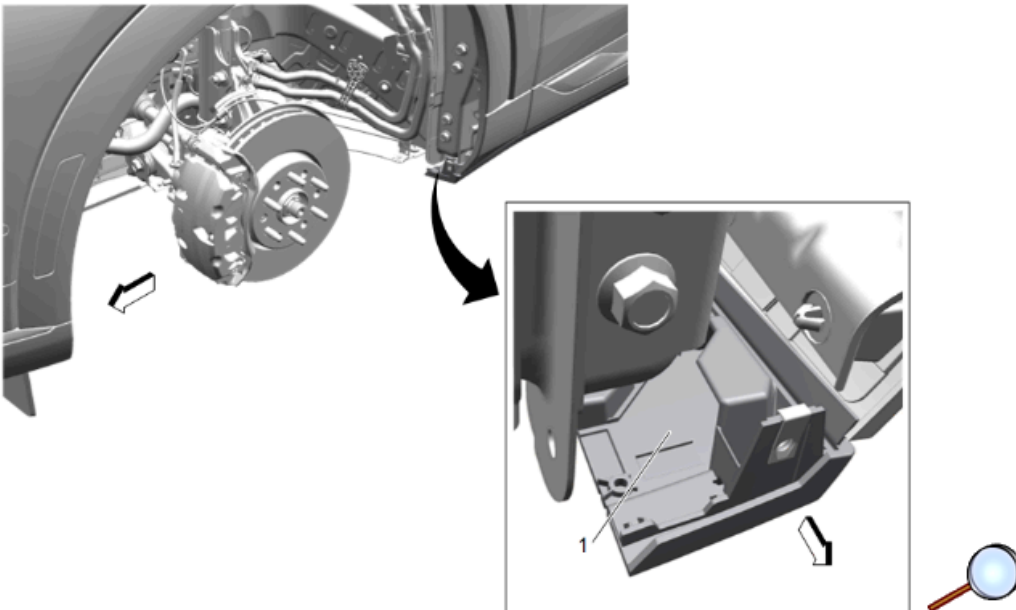
QTY	Description
1	Rocker Moulding Ground Lamp and Harness - LH
1	Rocker Moulding Ground Lamp and Harness - RH
1	Installation Instructions

Procedure

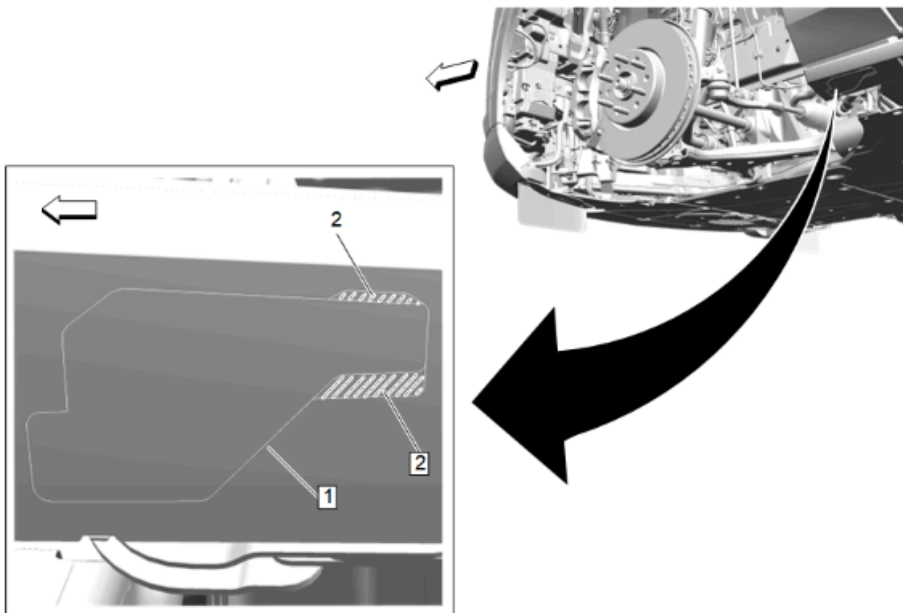
Note: Left side lamp installation is shown in the following steps. Right side similar. Marking on the lamps indicate "LH" or "RH".

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.
3. Remove the left and right front wheelhouse liners. Refer to [Front Wheelhouse Liner Replacement](#) in Vehicle Service Manual.

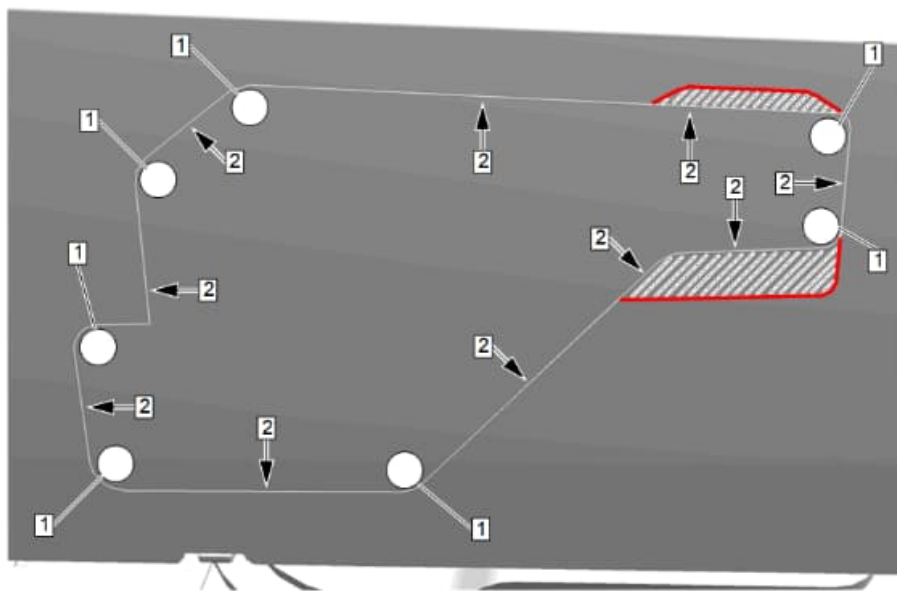


4. Inspect inside the front rocker area (1) for dirt, debris, water, etc. Clean the area in preparation for the next step.



5. Observe the scribe line patterns underneath front section of the rocker molding behind the front wheel house. Mark contour scribe lines (1) with a bright paint pen before proceeding to the next step.

Note: Marked areas (2) to be cut at a later stage, with more precise material removal.



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.

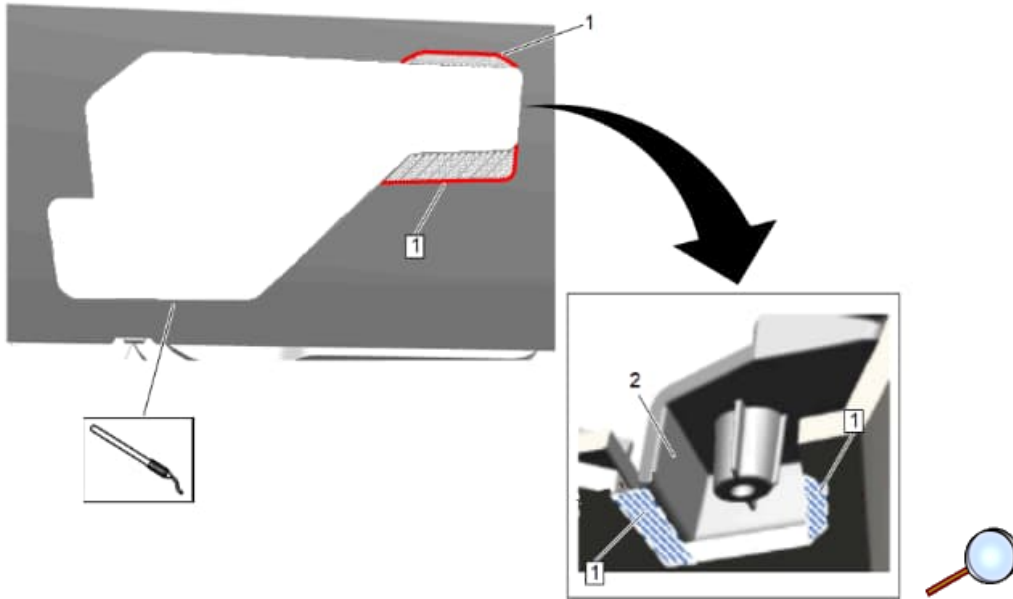
Caution: Do NOT exceed 5mm entry from the tip of the drill bit.

6. Using a 5mm (13/64") drill bit, drill holes (1) in the corners on the inside of scribed line (2).

Caution: Do NOT use a reciprocating saw or anything that cuts deep into the rocker. It will damage the mounting boss needed in future steps.

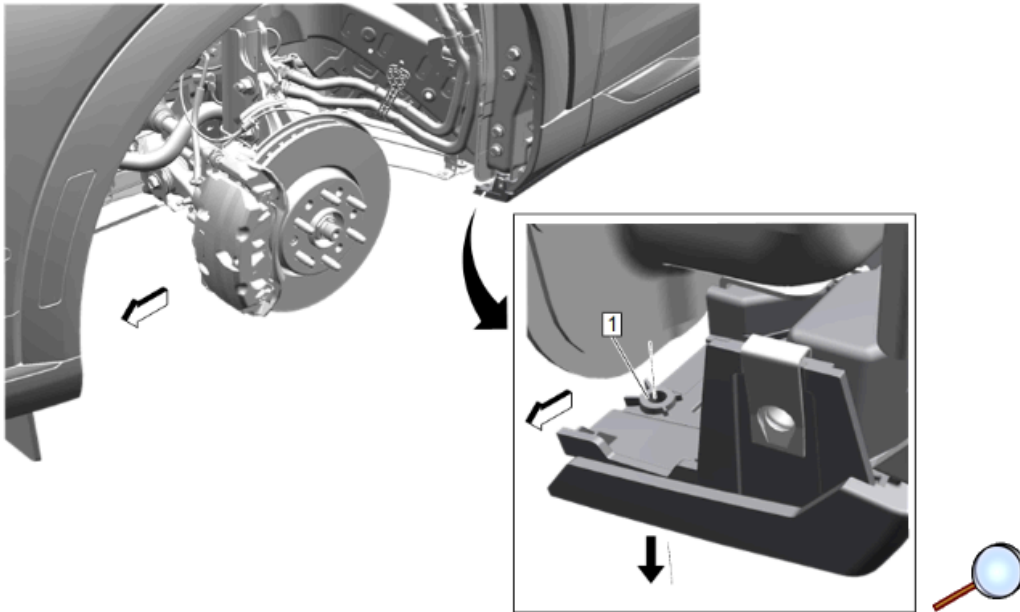
Caution: Only cut maximum 8mm deep from the rocker surface. Cutting tool will have to cut through two layers: rocker outer trim and rocker inner trim - 7mm.

7. Using a 7/8" (20mm) suitable rotary tool, cut opening along the marked contour scribe line (2) as close as possible (No more than 1mm outside the line). Adjust the cutting speed to avoid melting the plastic along the cutting edges.

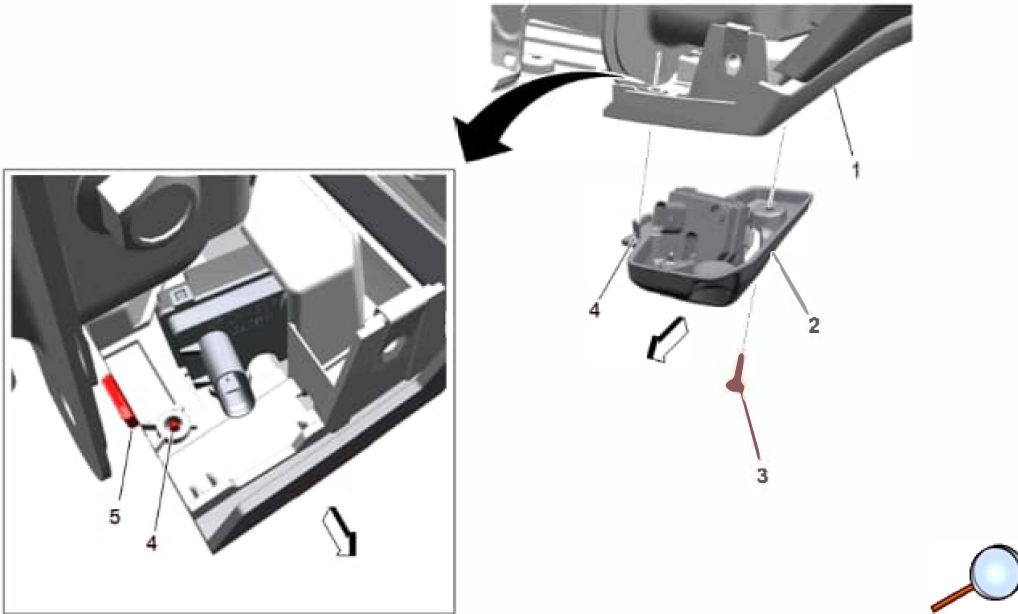


Caution: Cut outer trim (1) only on marked areas. Make sure not to damage inner bracket (2) while cutting.

8. Using a 7/8" (20mm) suitable rotary tool, cut along the marked contour scribe line (1) as close as possible on outer trim only, (No more than 1mm outside the line). Adjust the cutting speed to avoid melting the plastic along the cutting edges.
9. Using a suitable tool, deburr the cut-out.



10. Using a 5mm (13/64") drill bit, drill hole through the raised boss and the rocker, using existing hole (1) as a guide.

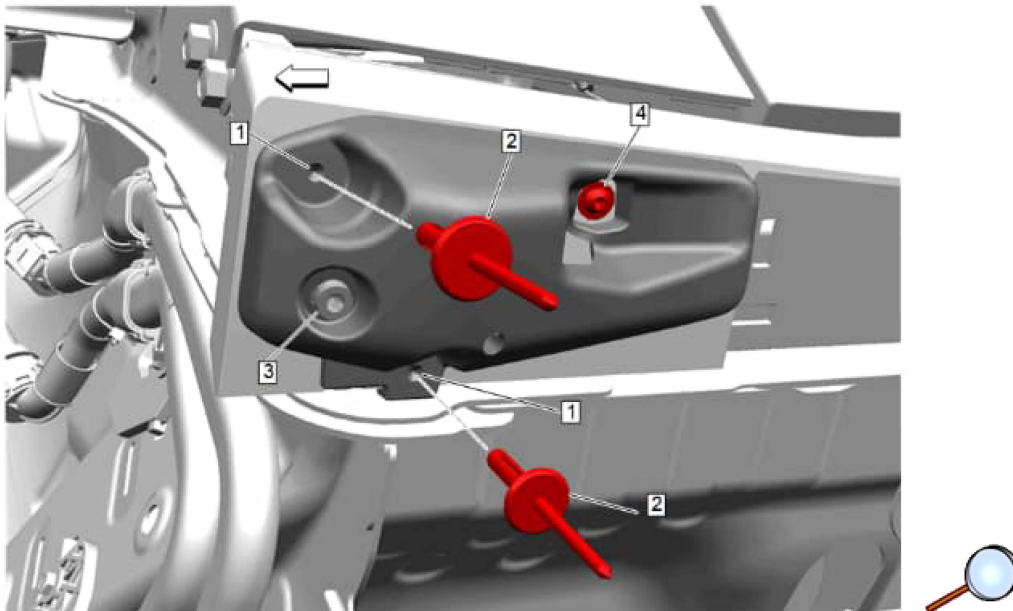


Note: Assembly marked "LH" (Drivers Side) or "RH" (Passenger Side).

11. Identify the lamp assembly (2) for each side by checking markings on the lamp body.
12. Observe the locating pin (4) and tab (5) line-up features on the lamp assembly (1). Lift the lamp assembly up into the rocker opening (1) inserting the 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.

13. While holding the lamp assembly in place, insert and engage the threads of the self tapping screw (3), DO NOT torque screw until later step.



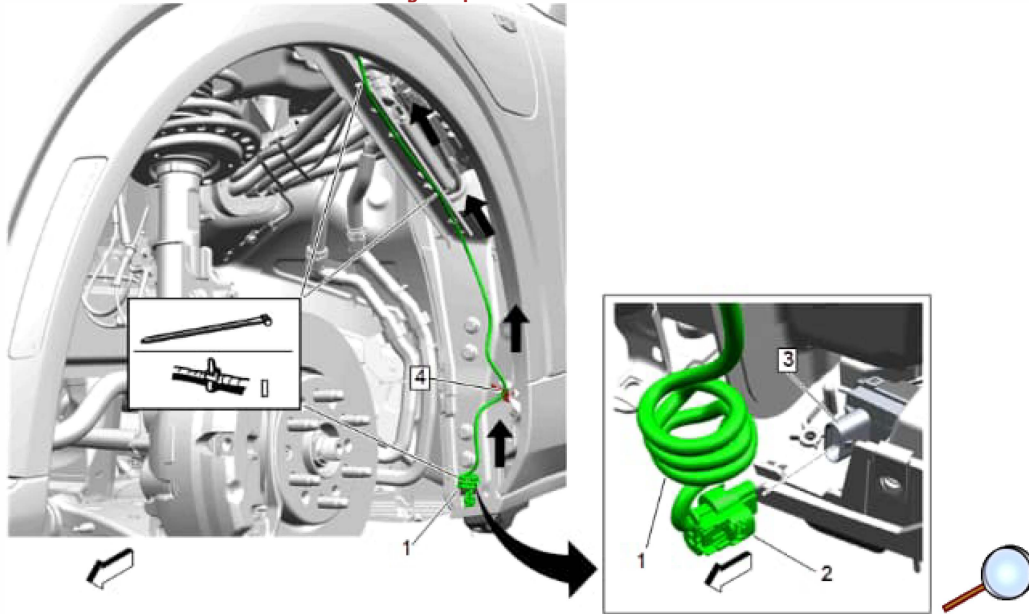
Note: Do not torque lamp adjustment screw (3). This screw is used to adjust image in final step.

14. Using a 5mm (13/64") drill bit, drill hole through the dimples (1) through lamp and rocker trim.
15. Ensure assembly is seated all around and install the rivets (2) into the drilled holes.
16. Tighten the self tapping screw (4) to **2.5N•m (22 lb in)**.
17. Repeat steps 4 through 16 for opposite side.

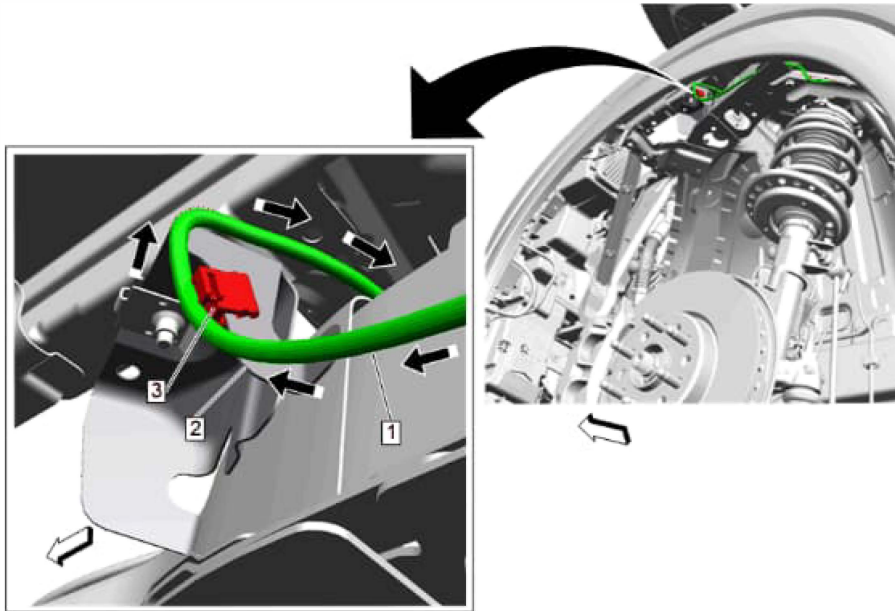
Electrical Wiring Harness Installation Procedure

Driver Side Lamp Harness

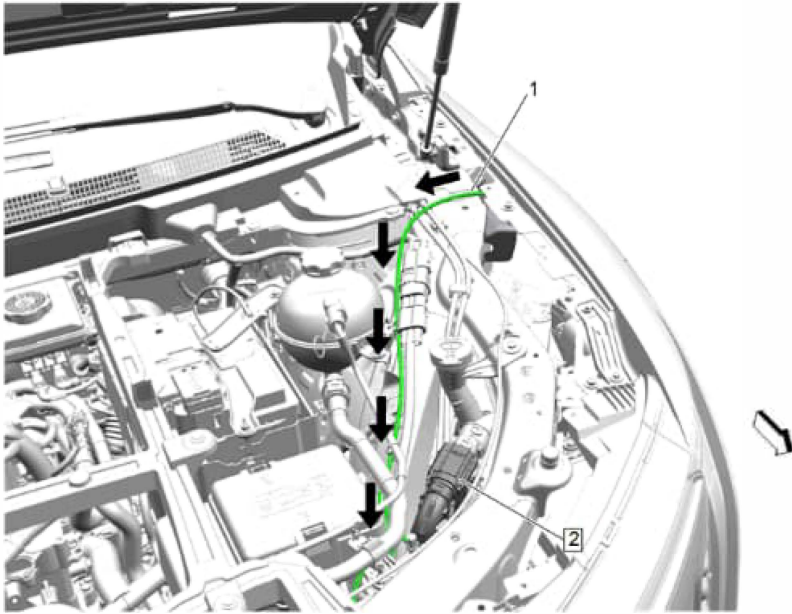
Note: There are two different size edge clips included in the kit.



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 large size edge clip (4) in the location shown.
3. Use the included tie straps to secure the wiring harness as shown. Trim excess off tie straps.



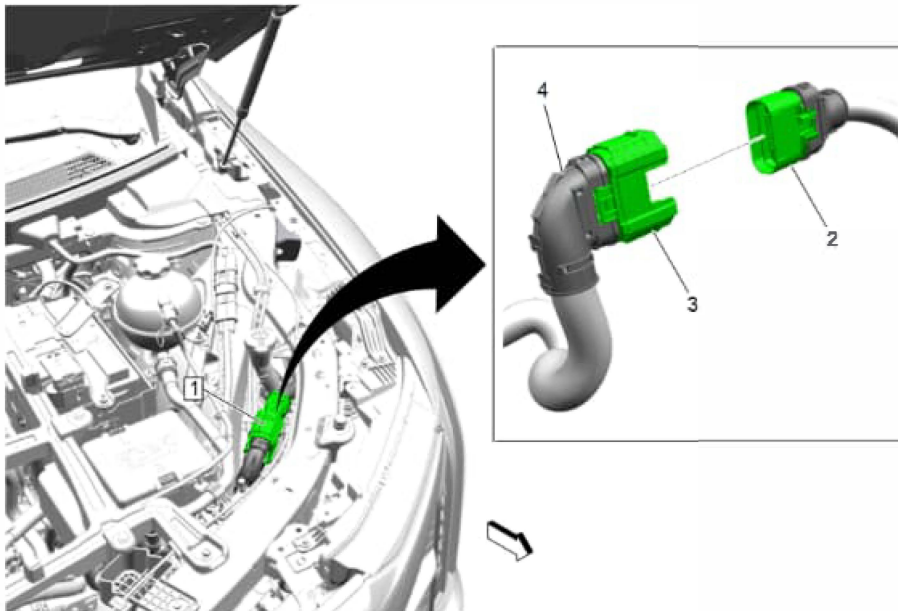
4. Secure harness (1) to upper rail bracket (2) with smaller size edge clip (3) and route harness towards engine bay.



5. Continue to route the wiring harness (1) from the wheel well area over the rail into the engine bay towards body wiring harness to engine wiring harness connector X115 (2).

Note: Steps 6 to 6.3. apply to MY 2025 and prior vehicles only. For MY 2026+ vehicles proceed to step 8.

6. MY 2025 and prior connector X115:

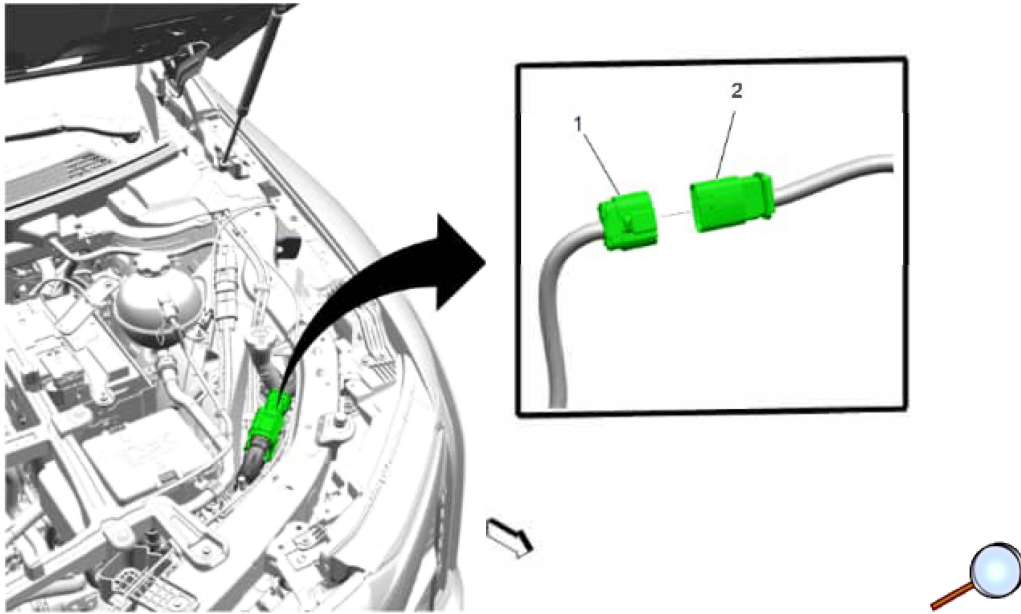


6.1. Locate connector X115 body wiring harness to engine wiring harness (1) and disconnect the connector from the retention clip.

6.2. Disconnect X115 body harness connector (2) from the engine harness connector (3). Refer to [Inline Harness Connector End Views](#) in Vehicle Service Manual for connector disconnection.

6.3. Remove the dress cover (4) from the engine wiring harness connector (3).

Note: Steps 7 to 7.2, apply to MY 2026+ vehicles only.
7. MY 2026+ connector X115:

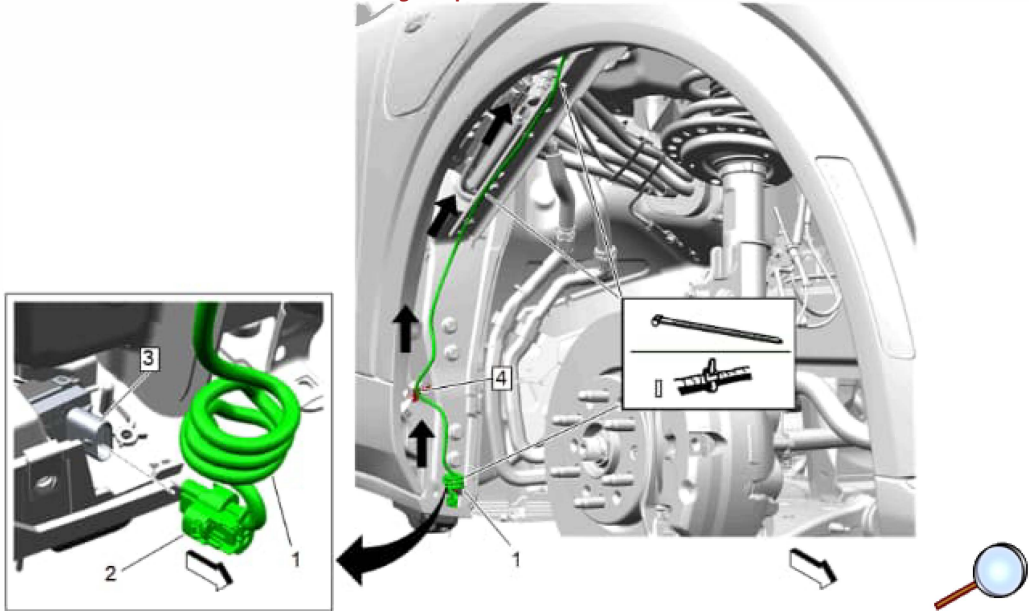


7.1. Locate connector X115 body wiring harness to engine wiring harness and disconnect the connector from the retention clip.

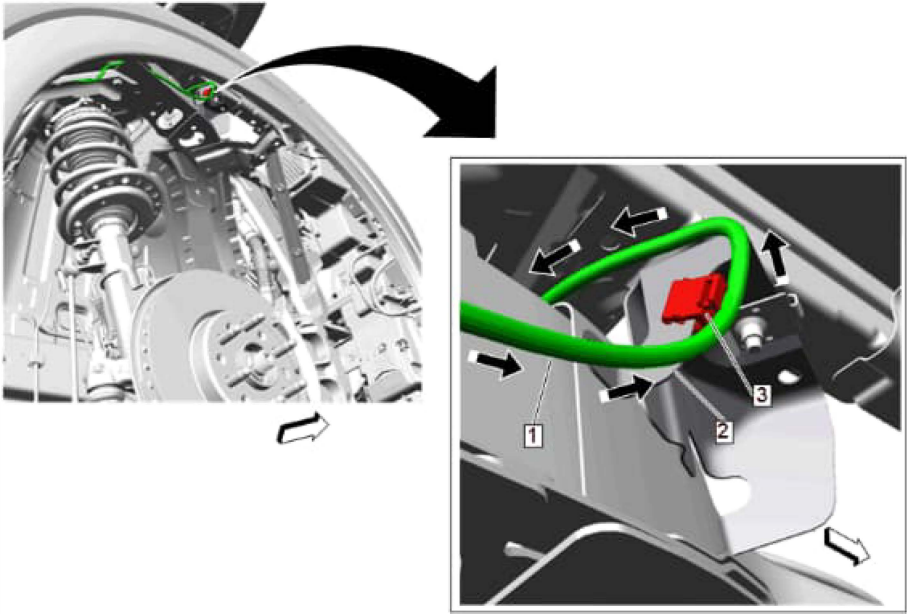
7.2. Disconnect X115 body harness connector (1) from the engine harness connector (2). Refer to [Inline Harness Connector End Views](#) in Vehicle Service Manual for connector disconnection.

Passenger Side Lamp Harness

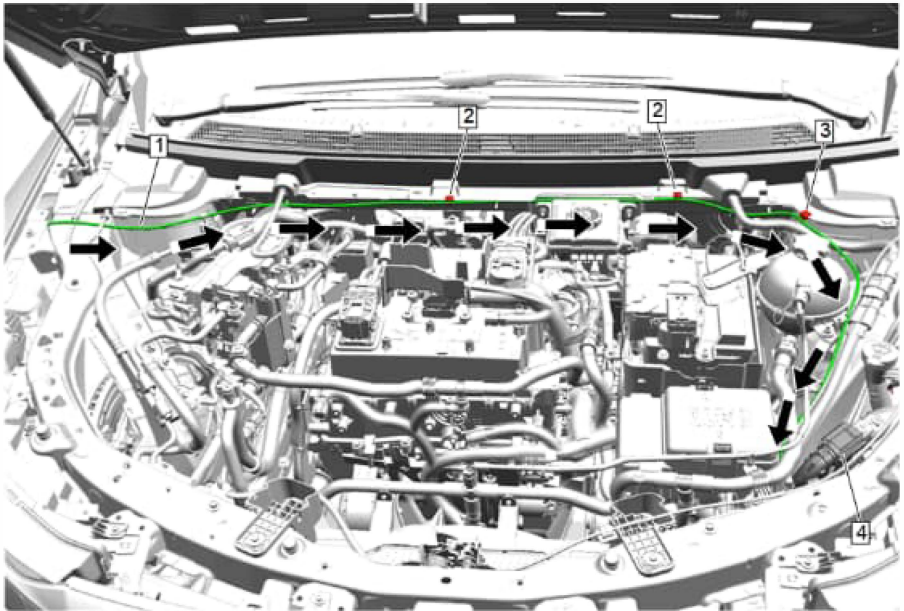
Note: There are two different size edge clips included in the kit.



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 large size edge clip (4) in the location shown.
3. Use the included tie straps to secure the wiring harness as shown. Trim excess off tie straps.



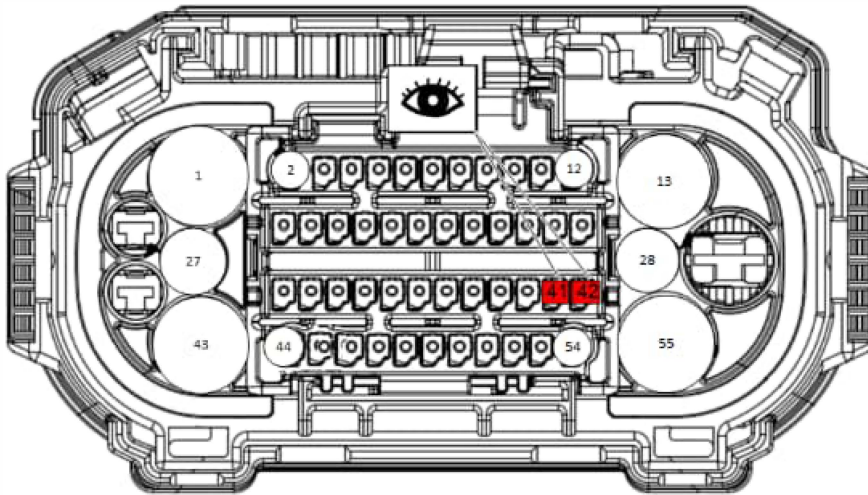
4. Secure harness (1) to upper rail bracket (2) with smaller size edge clip (3) and route harness towards engine bay.



5. Continue to route the wiring harness (1) from the wheel well area over the rail into the engine bay along the windshield wiper plenum towards body wiring harness to engine wiring harness connector X115 (4).
6. Secure harness to windshield wiper plenum by installing small edge clips (2) and a large size edge clip (3) in the locations shown.

Note: Steps 7 to 7.4, apply to MY 2025 and prior vehicles only, For MY 2026+ vehicles proceed to step 8.
7. **MY 2025 and prior engine harness connector X115:**

Note: BACK OF ENGINE CONNECTOR X115 VIEW SHOWN.

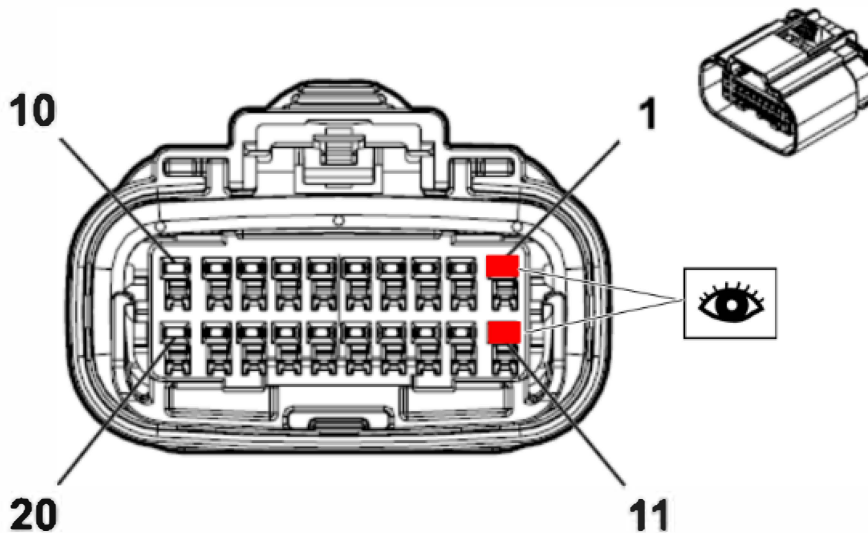


- 7.1. Remove connector TPA from engine harness connector X115, disengage connector lock and remove cavity plugs from cavity 41 and 42 on the engine harness connector. Refer to [Inline Harness Connector End Views](#) in Vehicle Service Manual for connector disconnection and disassembly.
- 7.2. Insert terminal from driver side rocker lamp harness in to cavity 41 of engine harness connector X115, make sure terminal is inserted fully.
- 7.3. Insert terminal from passenger side rocker lamp harness in to cavity 42 of engine harness connector X115, make sure terminal is inserted fully.
- 7.4. Replace connector TPA, engage connector lock, install dress cover, reconnect inline connector and reinstall connector onto clip/retention point. Continue to step 9.

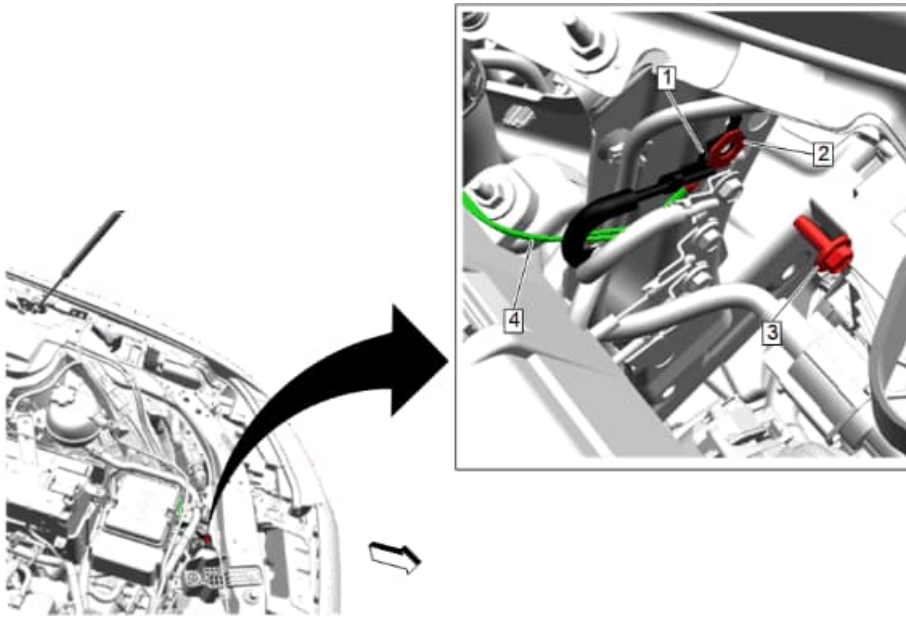
Note: Steps 8 to 8.5, apply to MY 2026+ vehicles only.

8. **MY 2026+ body harness connector X115:**

Note: FRONT OF BODY CONNECTOR X115 VIEW SHOWN.

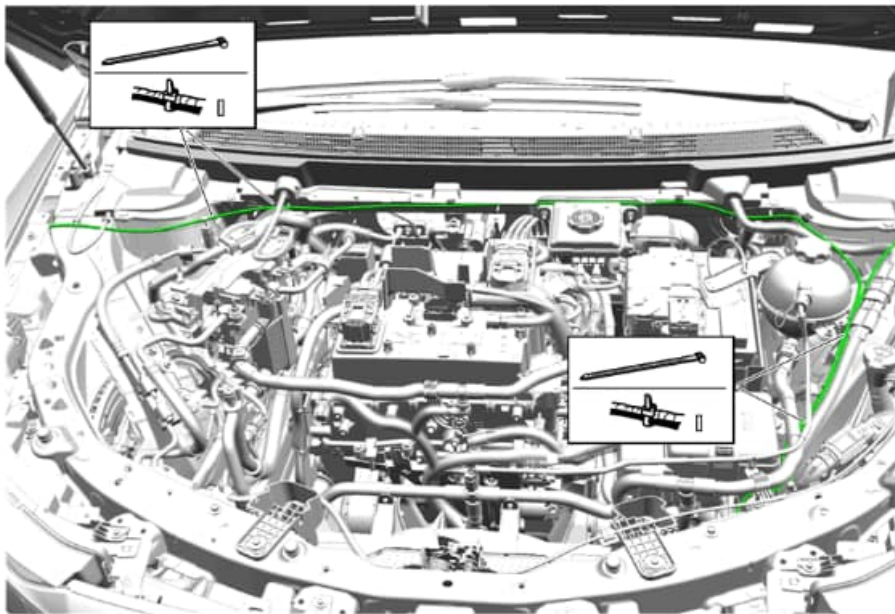


- 8.1. Locate and cut circuit (color BN) at back of body connector X115 at CAVITY#1 and seal blunt wire remaining at back of body connector X115. Refer to [Inline Harness Connector End Views](#) in Vehicle Service Manual for connector view.
- 8.2. Locate and cut circuit (color BN) at back of body connector X115 at CAVITY#11 and seal blunt wire remaining at back of body connector X115.
- 8.3. Add one to one sealed splice to the LH rocker lighting jumper circuit by cutting the terminated end and the circuit cut from the back of body connector X115 at cavity 1.
- 8.4. Add one to one sealed splice to the RH rocker lighting jumper circuit by cutting the terminated end and the circuit cut from the back of body connector X115 at cavity 11.
- 8.5. Reconnect inline connector and reinstall connector onto clip/retention point. Continue to step 9.



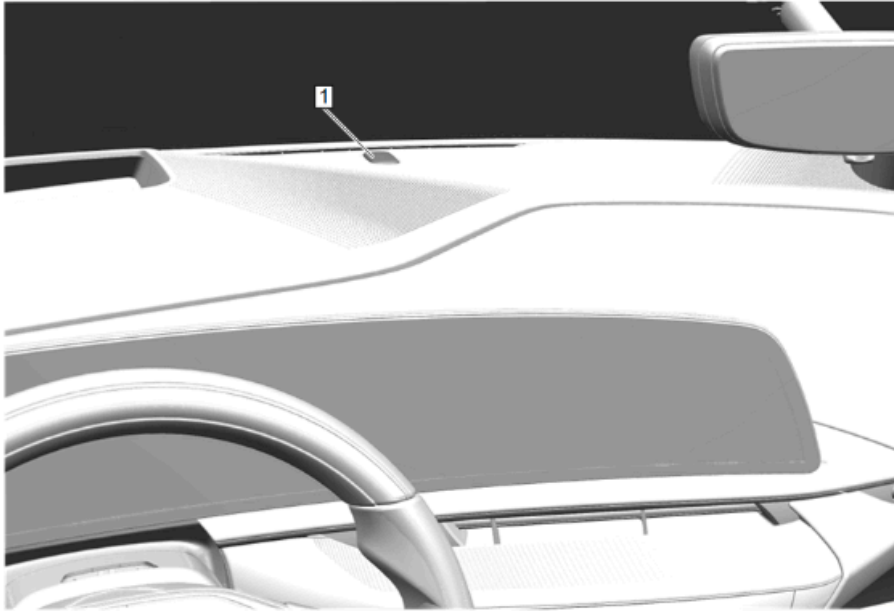
9. Remove the ground bolt (3) and attach the ground ring terminal (2) to the existing ground terminal (1). Reinstall ground bolt and tighten to **9 N·m (80 lb in)**.

10. Using the provided splice clips, make two one to one splices (4), one ground circuit coming from driver side jumper and another from passenger side jumper.



11. Secure rocker lamp harness with provided tie straps at area shown. Trim excess off tie straps.

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

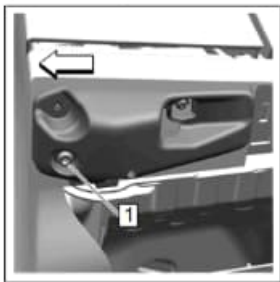
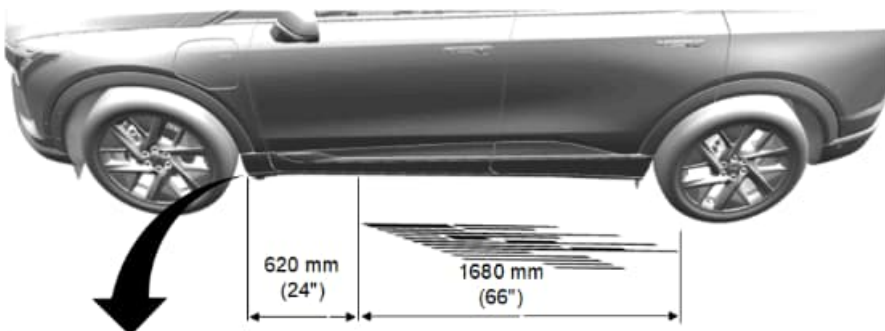


Note: Make sure to cover the light sensor (1) and check that the illumination is turned on in the vehicle controls setting of the radio.

13. Lock and unlock doors by using the key fob to activate the rocker panel exterior illumination image.
14. Install the left and right front wheelhouse liners. Refer to [Front Wheelhouse Liner Replacement](#) in Vehicle Service Manual.

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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 #4 until dimensions are met for optimum image clarity. Do not apply excessive force.