

**Document ID: 4530671**

# Trailer Hitch Platform Package Installation

**Installation Instructions Part Number**

84078271

**Hitch Capacity****Trailer Weight Rating:** 1500 lb. (Specific to this vehicle)**Tongue Weight:** 10-15% of trailer weight up to 250 lb.

Use as weight carrying only.

**Warning:** Although this hitch is designed to safely tow its rated load, we recommend that you consult your vehicle owner's manual for possible manufacturer's recommendations or limitation. Be sure your trailer has safety chains and that each chain will hold the trailer's maximum gross weight.

**Kit Contents**

Qty	Description
1	Platform Assembly – Trailer Hitch
1	Wiring Harness
6	M12 Bolts
2	Reinforcement Plates
1	Installation Instructions

**Tools Required**

Torque wrench

9/32, 7mm, 10mm, 15mm and 18mm sockets

T15 and T20 driver

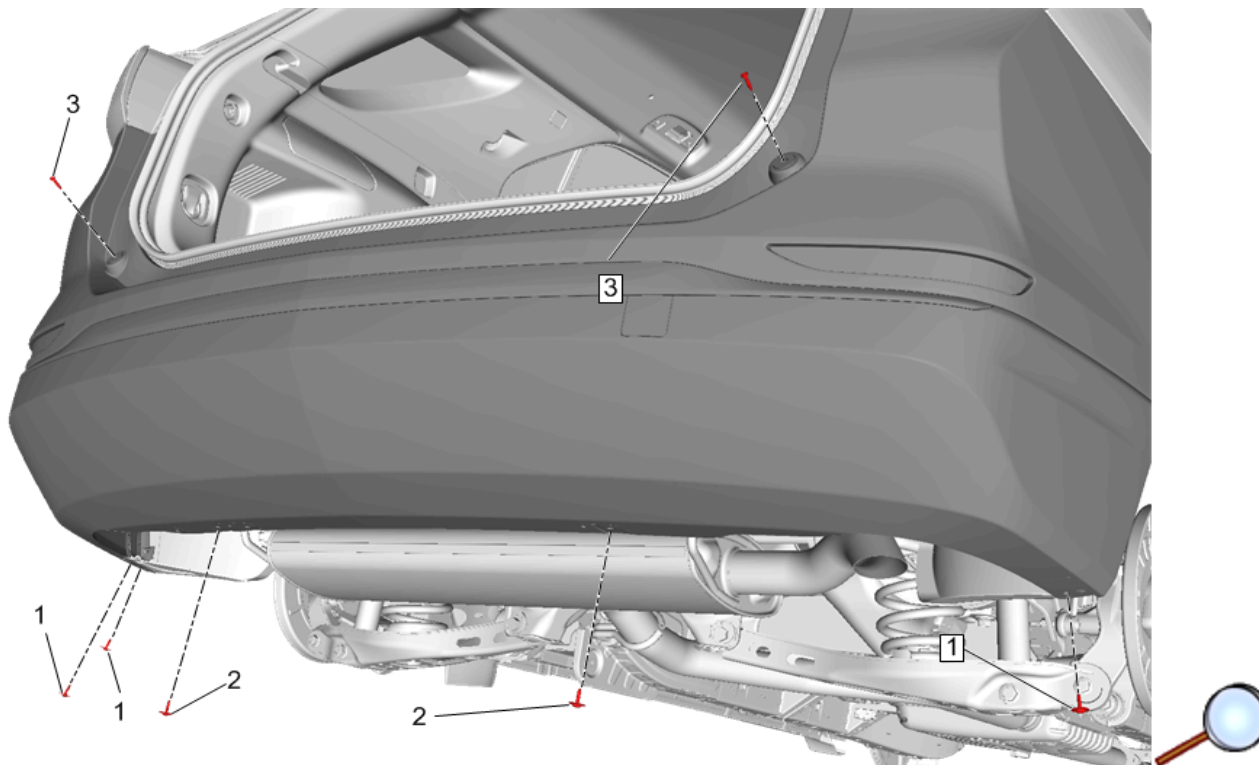
**Procedure**

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**Warning:**

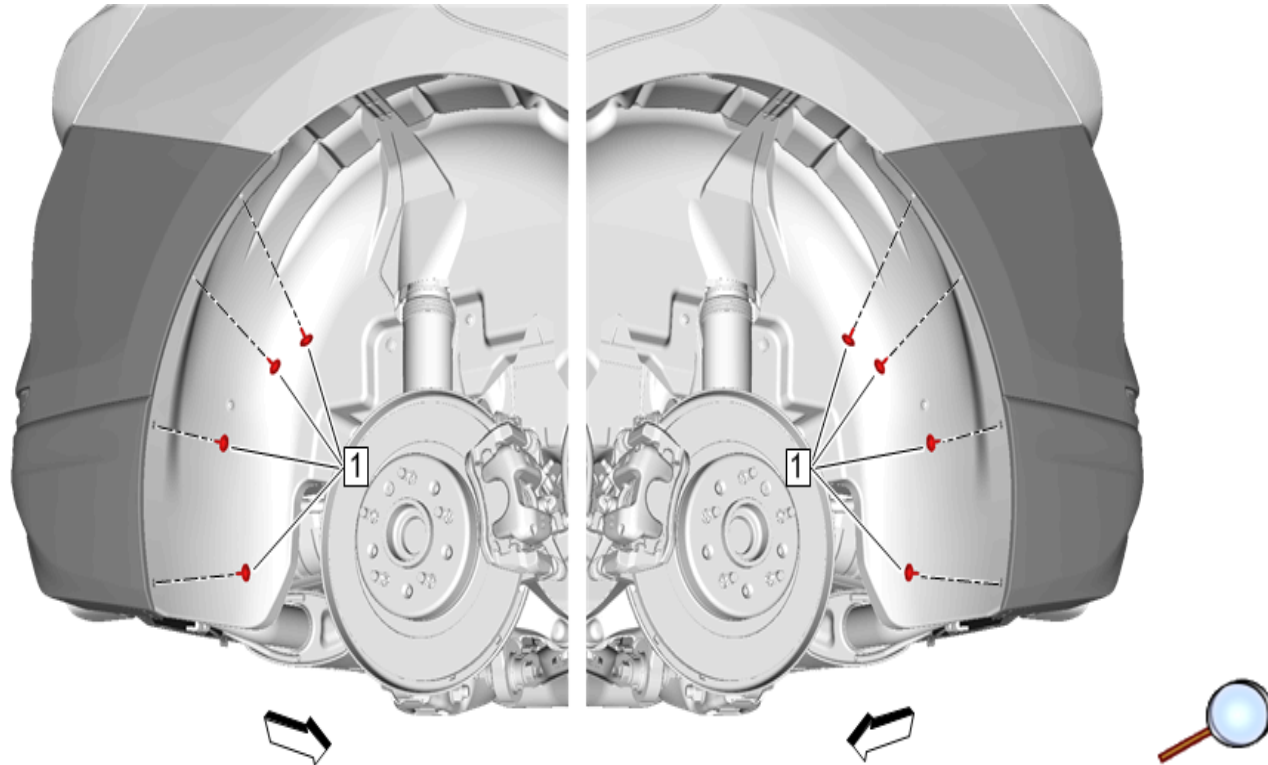
- Wear Safety glasses in order to avoid eye damage.
- In order to avoid being burned, do not service the vehicle while the exhaust system is still hot. Service the vehicle when the exhaust system is cool.

1. Raise and secure the vehicle on hoist.

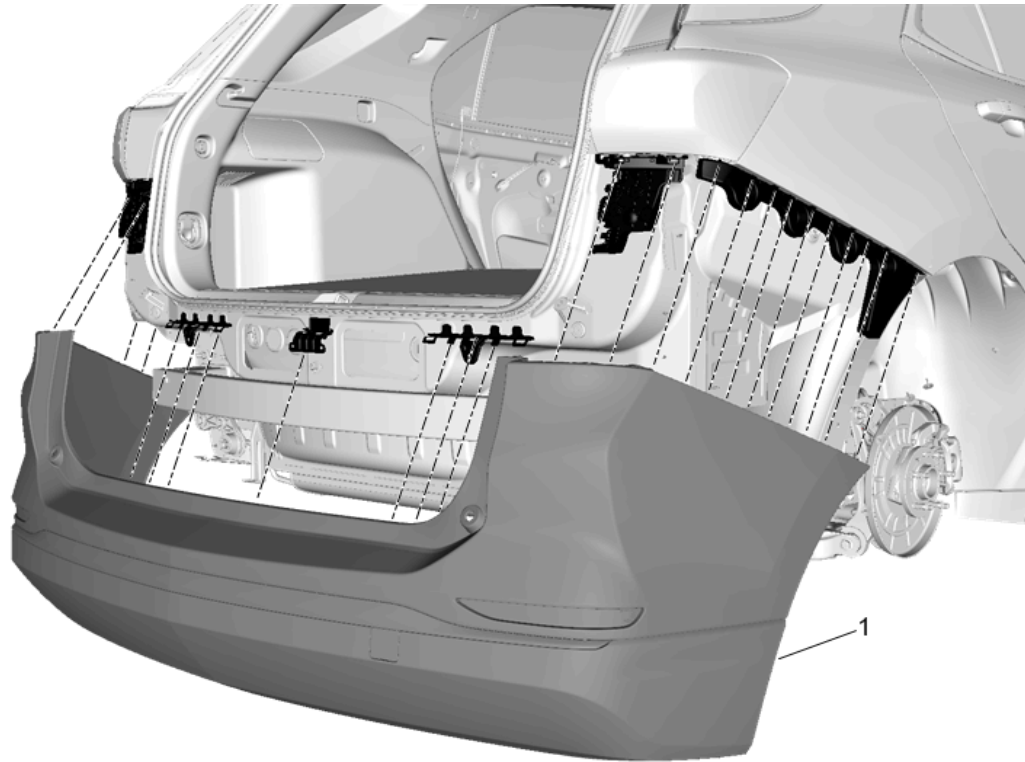


**Caution:** Use the correct fastener in the correct location. Replacement fasteners must be the correct part number for that application. Fasteners requiring replacement or fasteners requiring the use of thread locking compound or sealant are identified in the service procedure. Do not use paints, lubricants, 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.

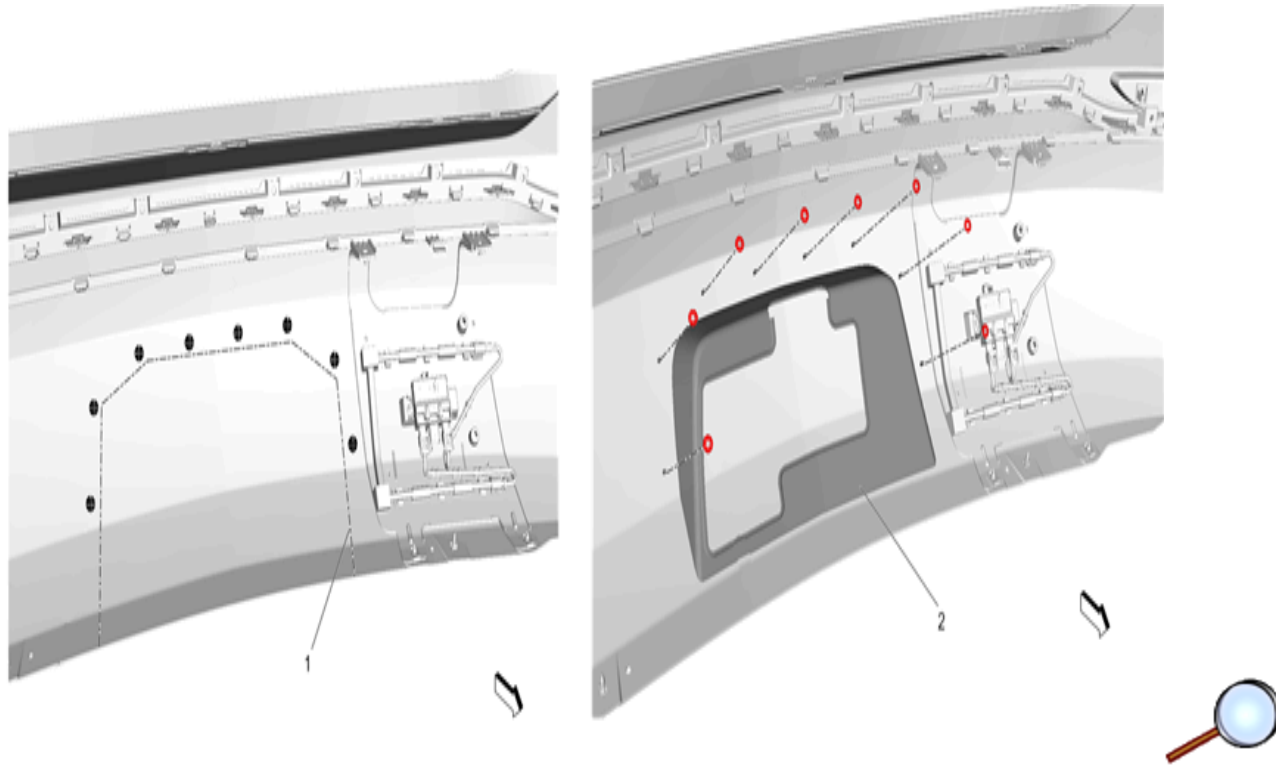
2. Remove the screws (1) from the rear lower outer fascia. Upon reassembly tighten the screws to  $2.5 \pm 0.5$  Nm.
3. Remove the screws (2) from the rear lower center fascia. Upon reassembly tighten the screws to  $2.5 \pm 0.5$  Nm.
4. Remove the screws (3) from the rear upper fascia. Upon reassembly tighten the screws to  $2.5 \pm 0.5$  Nm.



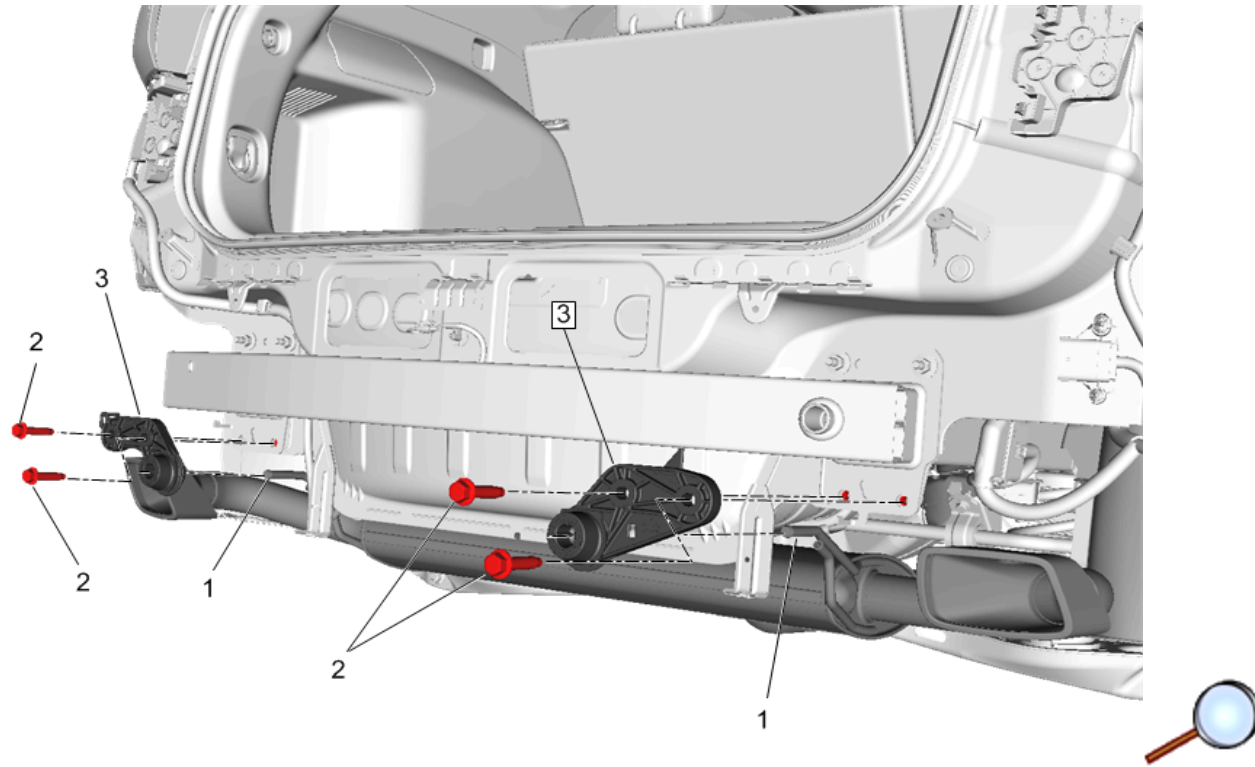
5. Remove the screws (1) securing the rear wheelhouse liner to rear fascia. Upon reassembly tighten the screws to  $2.5 \pm 0.5$  Nm.



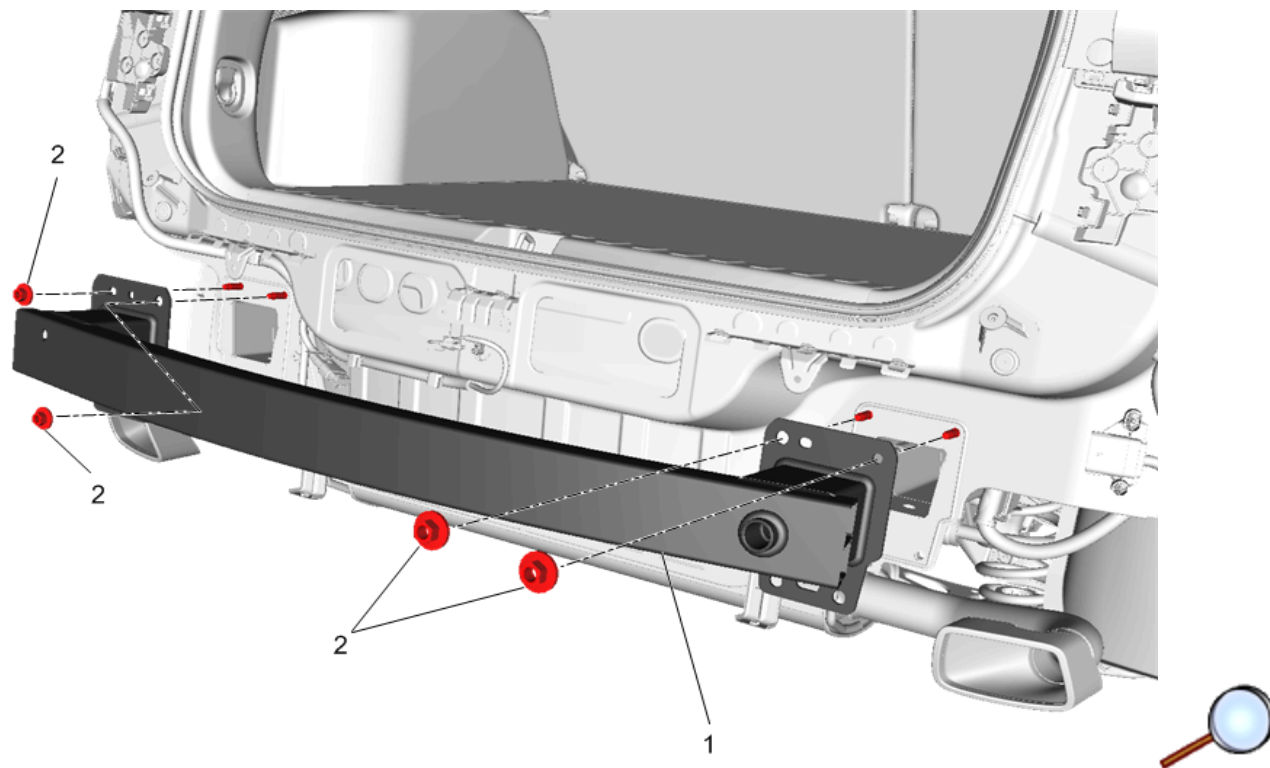
6. Carefully push a small nylon wedge between the fascia and the rear fascia guide. Insert a small flat-bladed tool into the fascia slot and depress the snaps one at a time and pull on the fascia at the same time to gradually remove the rear fascia (1) from the rear fascia guide.
7. Disconnect the rear fascia harness electrical connectors from the rear body harness.



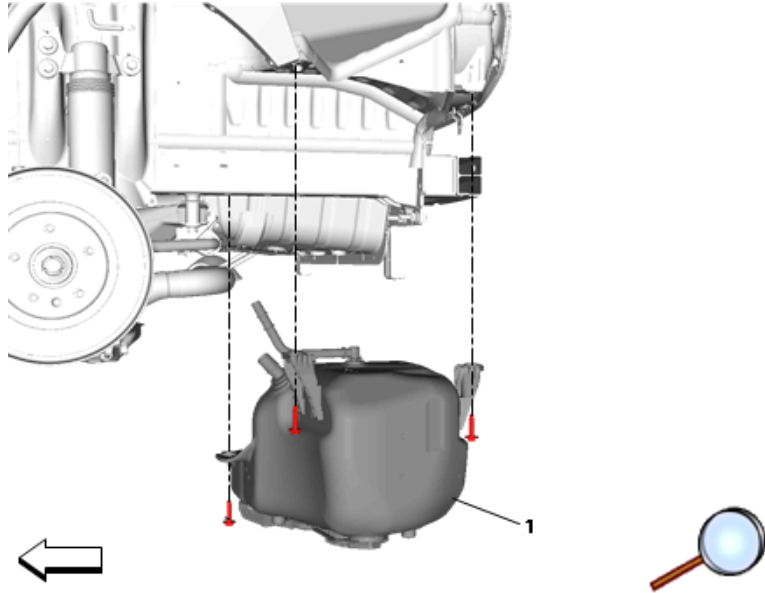
8. Once the rear fascia is removed, cut out (1) and install rear fascia hitch bezel (2) to rear fascia. Refer to Instruction ID: 23416955 [Rear Bumper Fascia Trailer Hitch Access Hole Cover Package Installation](#) in Accessory Installation Manual.



9. Remove and retain the bolts (2) securing the rear exhaust hangers (3) to the rear impact bar.
10. Remove the rear exhaust hangers from the muffler assembly (1).

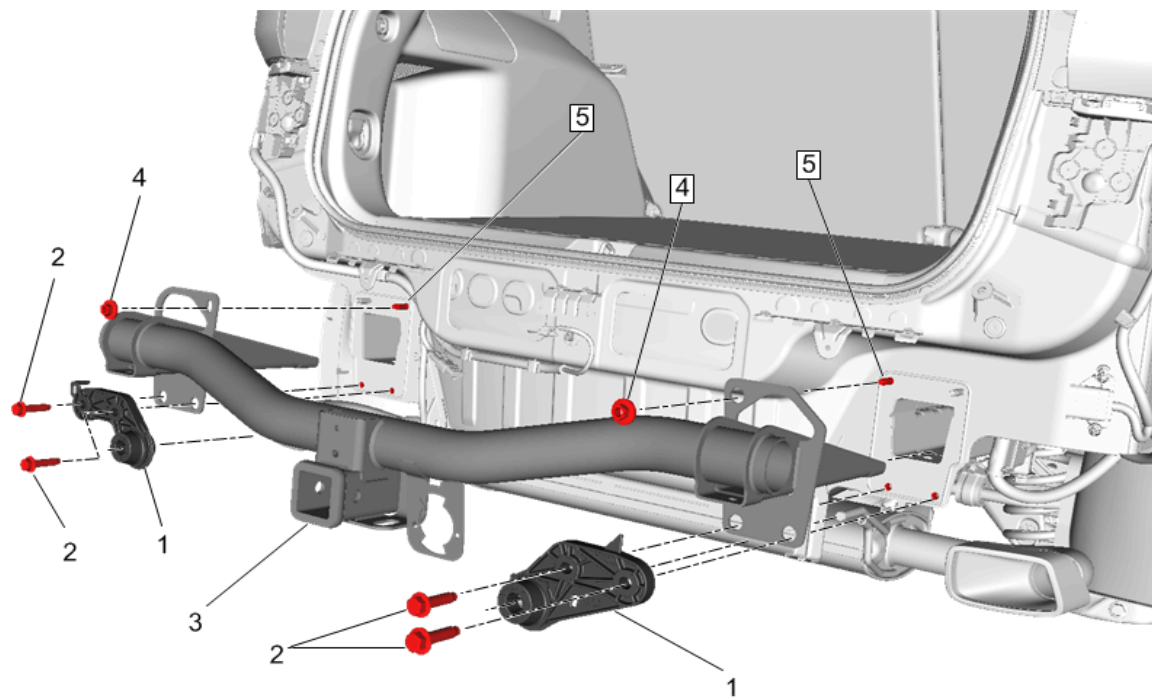


11. Remove and retain the nuts (2) securing the rear fascia impact bar.
12. Remove the rear fascia impact bar (1) from vehicle.



13. **For Vehicles Equipped with Diesel Engine Only:** Lower the Emission Reduction Fluid Tank (1). Refer to Instruction ID: 4694192 [Emission Reduction Fluid Tank Replacement](#) in Vehicle Service Manual.





14. With the aid of an assistant, insert the platform assembly – trailer hitch (3) into the body rails. Secure with previously retained nuts (4) to the studs (5).

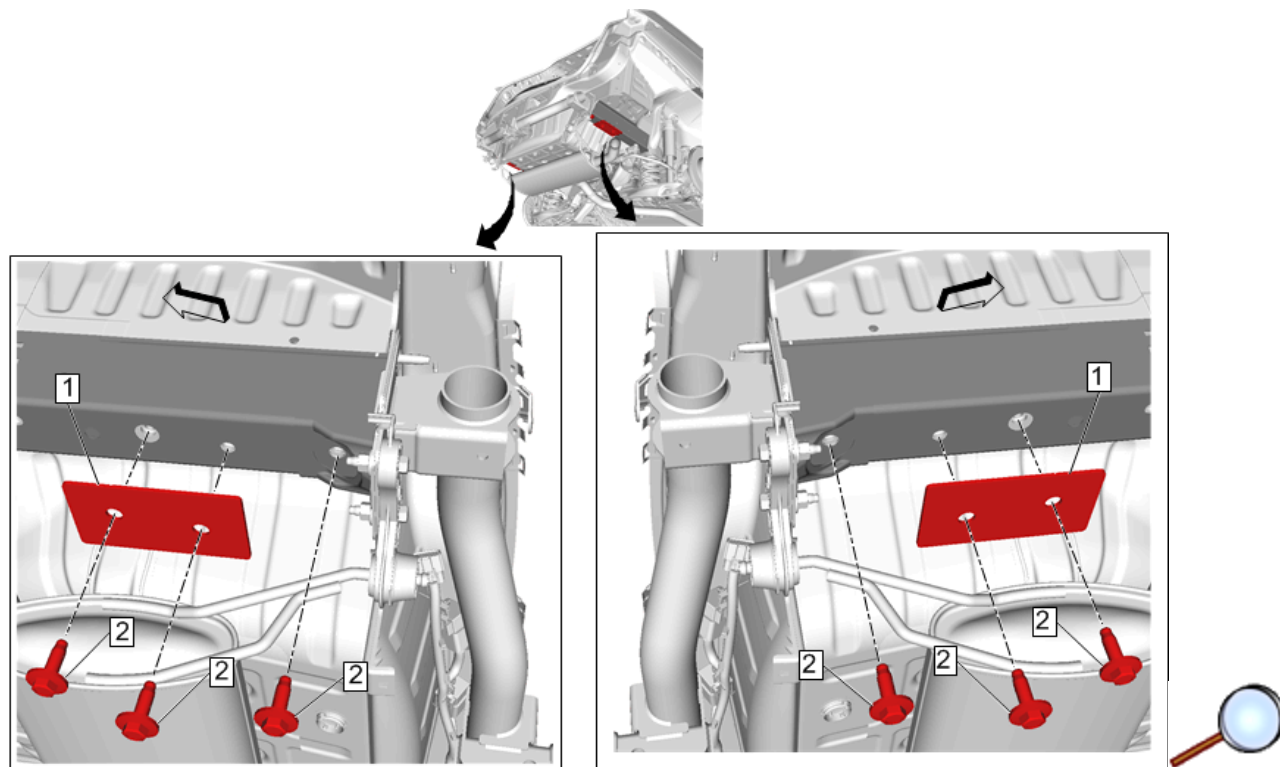
**Tighten**

Tighten the nuts to  $58 \pm 9$  N.m.

15. Install the rear exhaust hangers (1) to the platform assembly – trailer hitch and install the previously retained bolts (2).

**Tighten**

Tighten the bolts to  $58 \pm 9$  N.m.

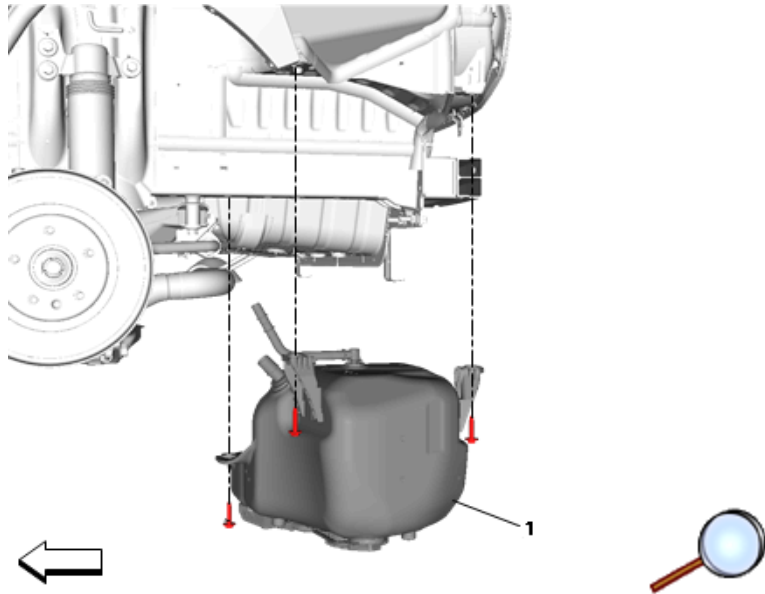


16. Install the reinforcement plates (1) to the under side and secure the platform assembly – trailer hitch with the supplied M12 bolts (2) with 18 mm socket.

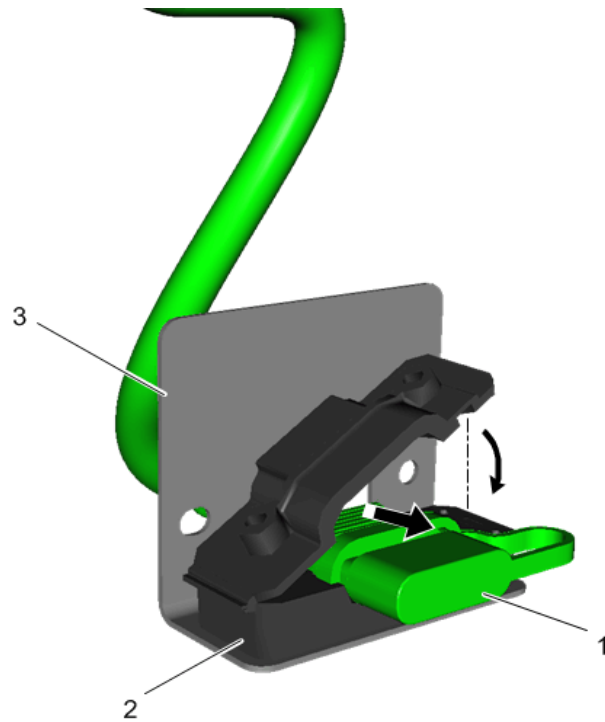
**Note:** Some frame rails will only have provisions for 2 bolts on each side. Which will allow for the maximum tow limit of 1500 lbs. Drilling of the hole for the 3rd bolt is not needed. For Diesel applications only 2 bolts have clearance to the Emission Reduction Fluid Tank. The middle bolt is not used.

**Tighten**

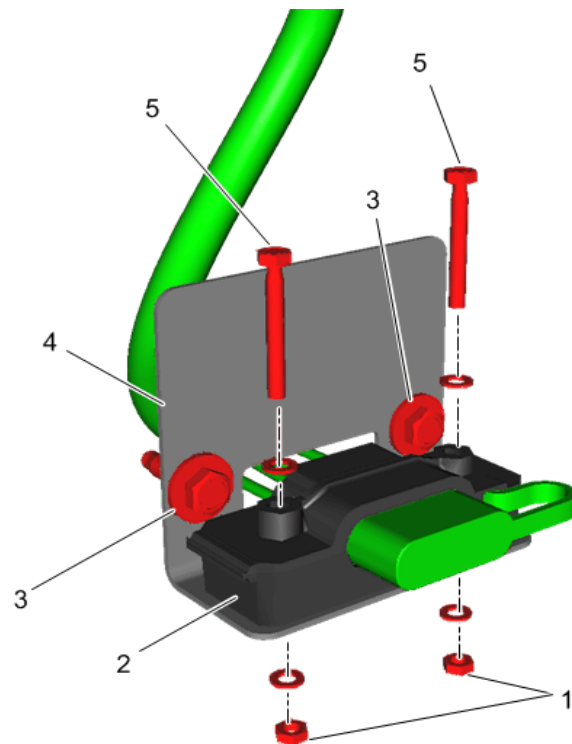
Tighten the 18 mm bolts to  $100 \pm 15$  N.m.



17. **If equipped with Diesel Engine:** Install the Lower the Emission Reduction Fluid Tank (1). Refer to Instruction ID: 4694192 [Emission Reduction Fluid Tank Replacement](#) in Vehicle Service Manual.
18. **Install trailer wiring harness to platform assembly – trailer hitch by following steps below.**

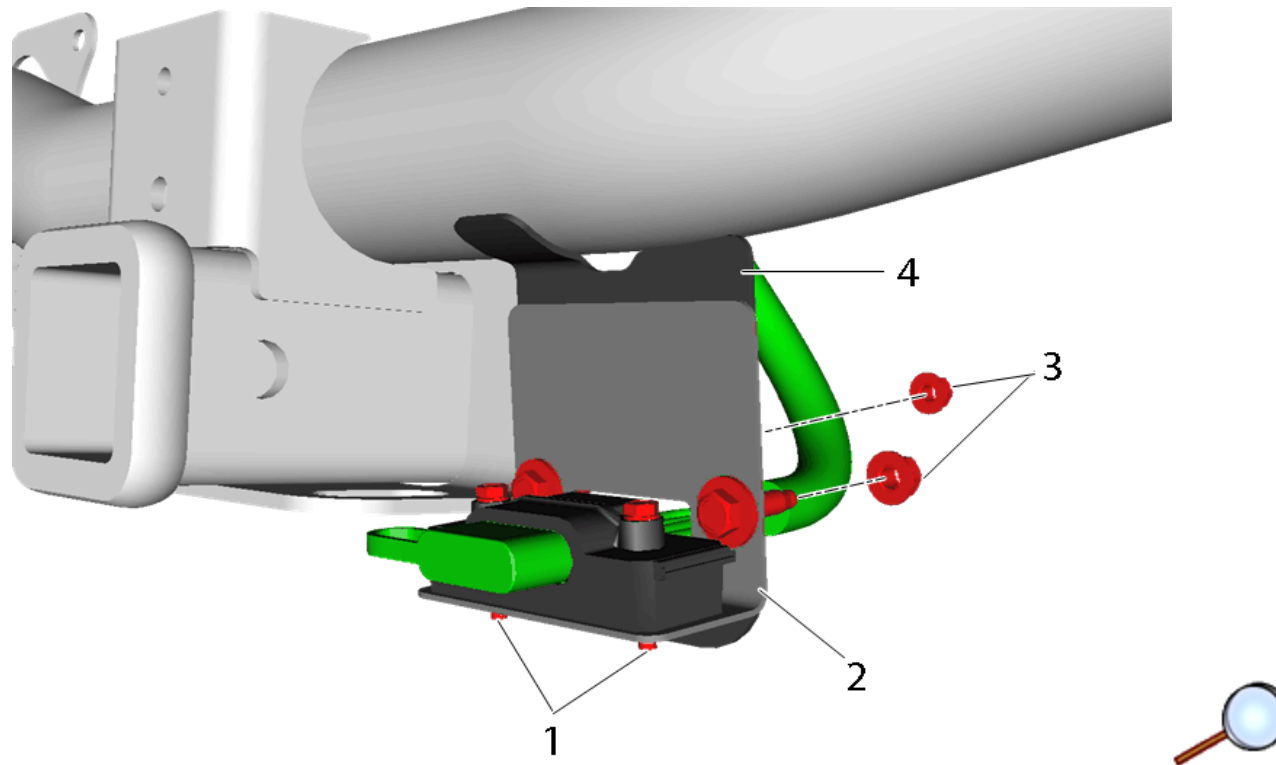


19. On the bench, put the connector (1) through "L" bracket opening (3).
20. Put the clam shell bracket (2) around the connector, carefully positioning the tether.

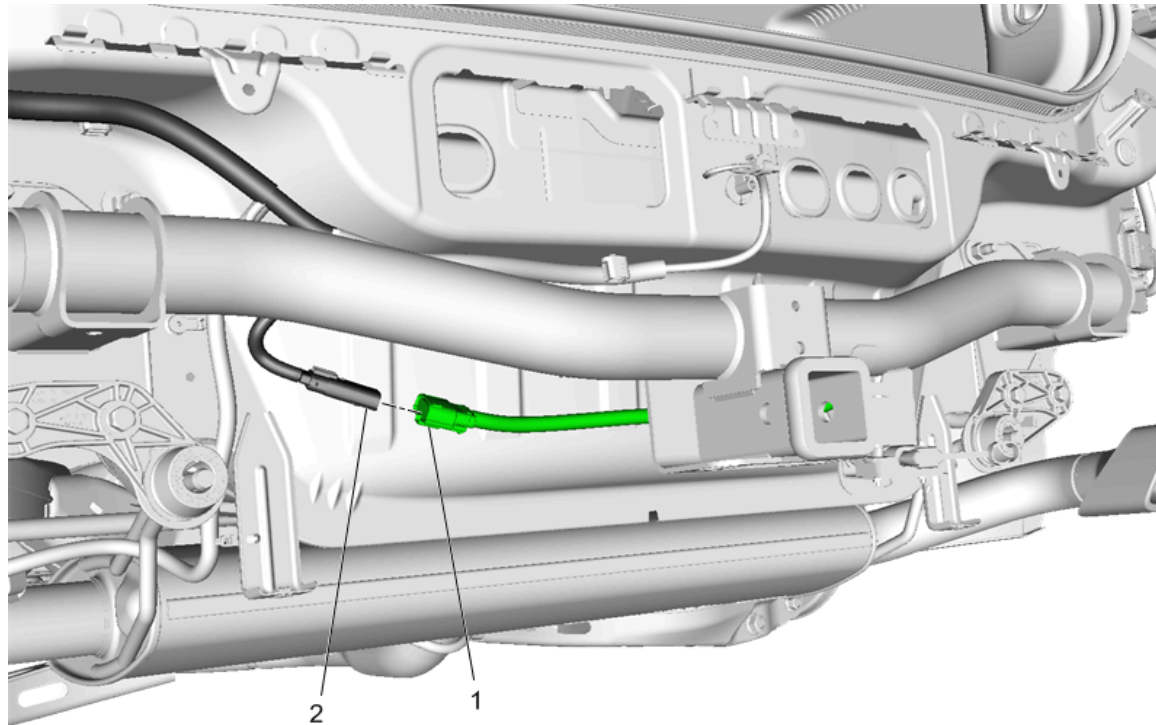


21. Place the M6 bolts (3) through the holes in the "L" bracket (4).

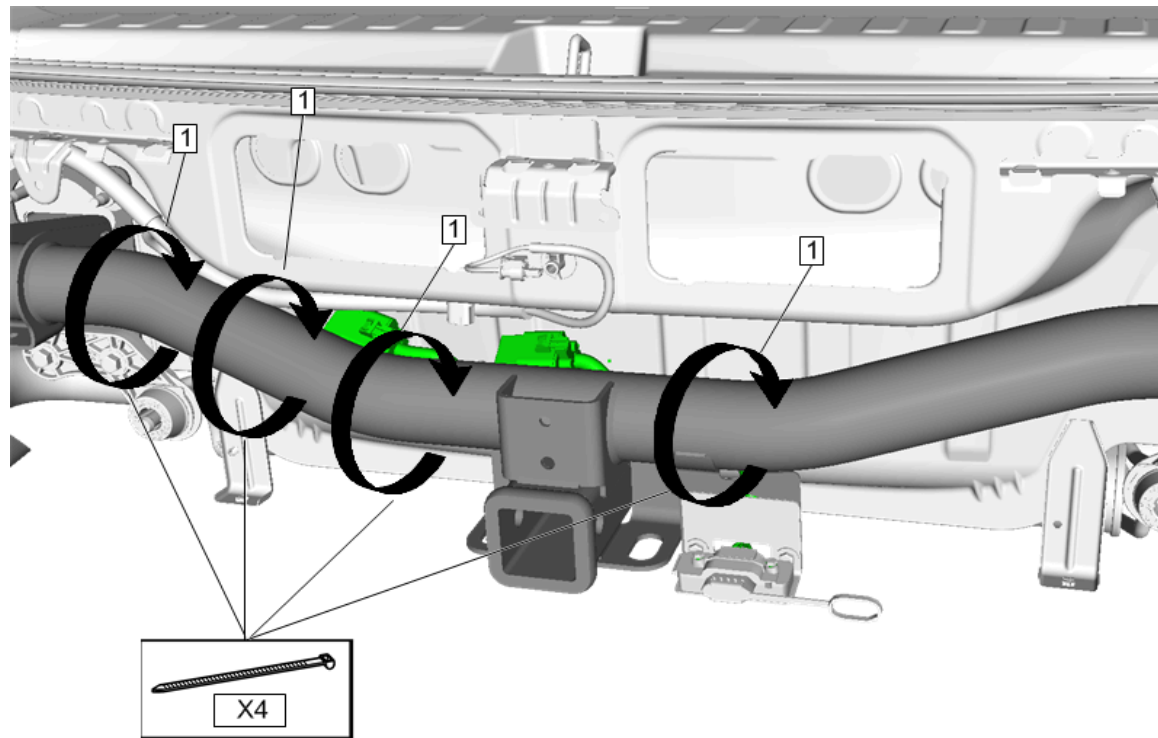
22. Assemble the M4 fasteners (5) and plastic bracket/connector (2) to the "L" bracket. Finger start the M4 nuts (1) and leave loose.



23. Place the "L" bracket (2) against the hitch plate (4) and attach the two M6 torque prevailing nuts (3) with a 10mm wrenches using 9 N.m of torque.
24. Tighten the two M4 nuts (1) with 7mm wrenches using 0.7 N.m of torque.

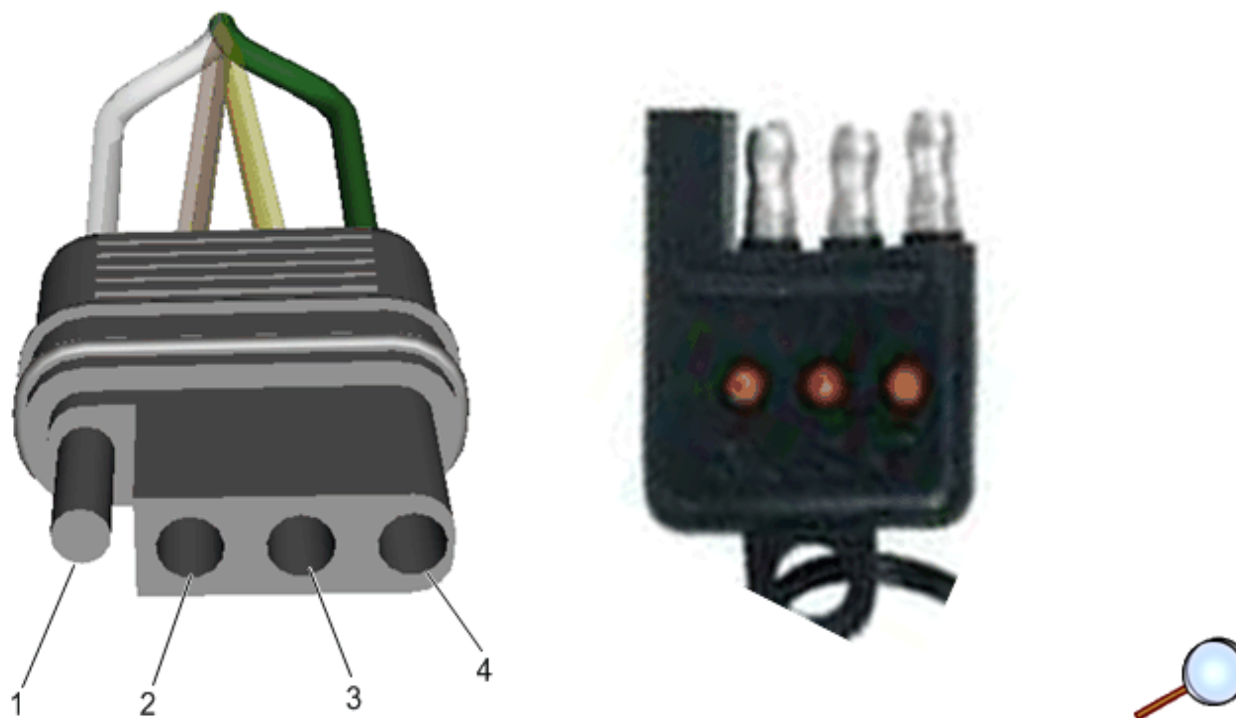


25. Remove body harness cap and connect trailer harness (1) to body harness (2).



26. Use tie straps (1) to attach harness to front face of hitch tube. Ensure there is enough slack on wires going through opening in metal 'L' bracket to prevent rubbing against metal edge. Strap harness/relays so relays don't rattle against body sheet metal.





#### 27. Checkout Procedure

- **Option 1** is to check connector circuit function by using a readily available test connector w/LED's as shown. Actuate vehicle tail lamps, left turn signals, right turn signals.
- **Option 2** is to use test light or volt meter.
  - Ground (WHITE wire) is (1) above.
  - Tail lamps (BROWN wire) is (2) above.
  - Left turn signal (YELLOW wire) is (3) above.
  - Right turn signal (GREEN wire) is (4) above.

28. With the aid of an assistant, position the rear fascia to vehicle, connect rear fascia harness connectors to rear body harness and install the rear fascia in the reverse order that it was removed.

29. Reinstall any previously removed components.