

Trailer Hitch Platform Package Installation

Installation Instructions Part Numbers

84933504

Hitch Capacity

Trailer Weight Rating: Optiq, Equinox EV: 1500 lbs. Lyric, Blazer EV: 3500 lbs. Vistiq: 5000 lbs. NA/4400 lbs. EU

Tongue Weight: 10-15% of trailer weight up to 500lbs.

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 | Trailer Hitch (MY26+ GMNA Blazer EV and LYRIQ: must use P/N 85879140) (MY26+Euro LYRIQ: must use P/N 85879139) |
| 4 | M12 x 1.75 Bolt |
| 2 | M6 x 1 Bolt |
| 1 | M10 X 1.5 X 35.65 15 mm socket (MY26+ LYRIQ, BLAZER EV, VISTIQ EV) |
| 1 | M10 X 1.5 15 mm socket Conical Reg Washer (MY26+ LYRIQ, BLAZER EV, VISTIQ EV) Reinforcement Plate |
| 2 | Trailer Rating Label |
| 1 | Installation Instructions |
| 1 | EU Market Ball Insert Package (EU Market Hitch Kit Only) |
| 1 | EU Market Insert Storage Bag with Tether (EU Market Hitch Kit Only) |
| 1 | |

Procedure

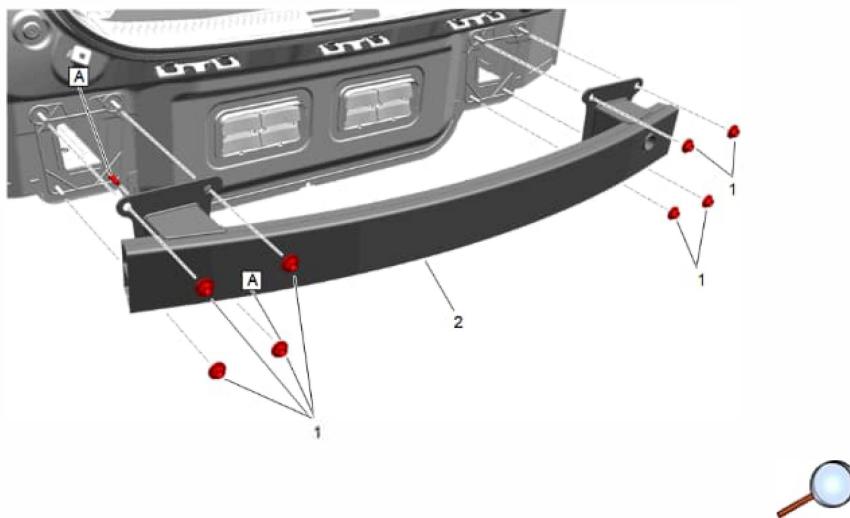
Trailer Hitch Platform Installation

Warning:

- Wear Safety glasses in order to avoid eye damage.

Note: On some vehicles, it may be necessary to remove the underbody rear air deflector for better access to the rear body frame rails.

- Remove the underbody rear air deflector, if necessary. Refer to [Underbody Rear Air Rear Deflector Replacement - Rear](#) in Vehicle Service Manual.
- Prior to hitch platform install, remove the rear bumper fascia and install the rear bumper fascia trailer hitch access hole cover. Refer to [Rear Bumper Fascia Trailer Hitch Access Hole Cover Package Installation](#) in Accessory Installation Manual.

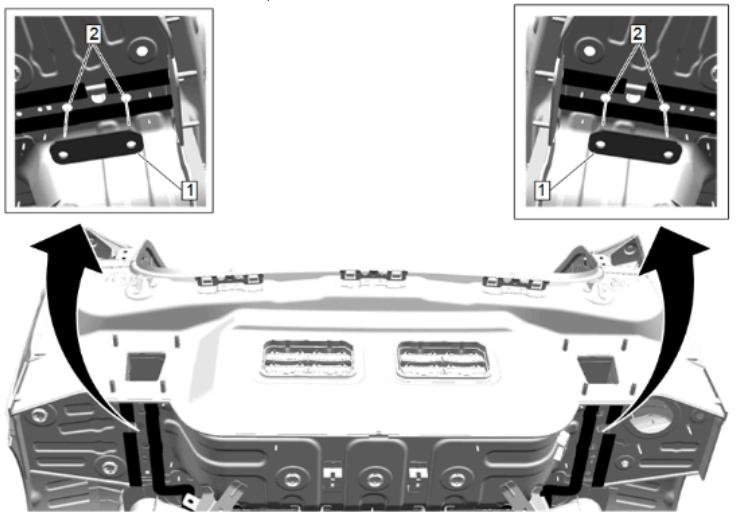


Note: Some MY26+ vehicles may not have nut and stud present at location (A).

- Remove the nuts (2) securing the rear fascia impact bar. Retain the nuts.
- Remove the rear fascia impact bar (2) from vehicle.

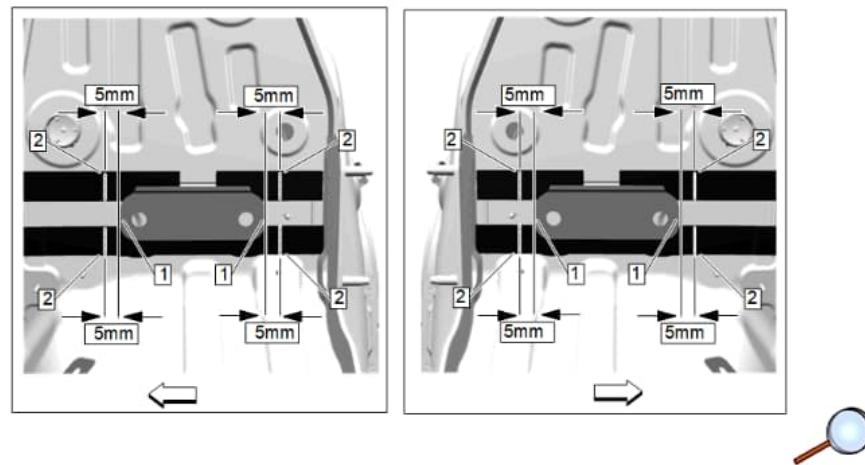
Trailer Hitch Install – Narrow Design (Equinox EV, Optiq)

Note: If the vehicle is equipped with a Vehicle External Speaker, see specific instruction below for removal of VES and bracket in order to access and install reinforcement plates.

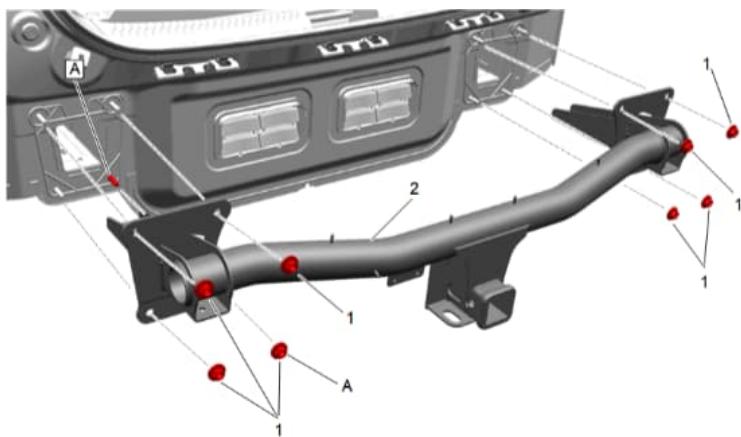


Warning: Although this hitch is designed to safely tow its rated load, we recommend that you consult your vehicle owner's manual for possible manufacturer's recommendations or limitation. Be sure your trailer has safety chains and that each chain will hold the trailer's maximum gross weight.

1. Position the reinforcement plates (1) to the holes (2) in the frame underside.



2. While holding the reinforcement plates in position, measure 5mm from each end of the reinforcement plate (1) and mark a line (2) in the sealant. Remove the reinforcement plates.
3. Using a flat bladed tool, remove the body sealant in the areas between the previously marked lines (2) to allow installation of the hitch reinforcement plates. Use a wire brush to remove any debris. The hitch mating surface must be clean of any sealant or foreign material.
4. If the metal area is inadvertently scraped or scuffed, the metal surface can be treated as follows:
 - 4.1. Wipe the damaged area with Bonderite pre-treatment wipe.
 - 4.2. Apply DPLF repair primer on the affected surface.



Note: Some MY26+ vehicles may not have nut and stud present at location (A).

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.

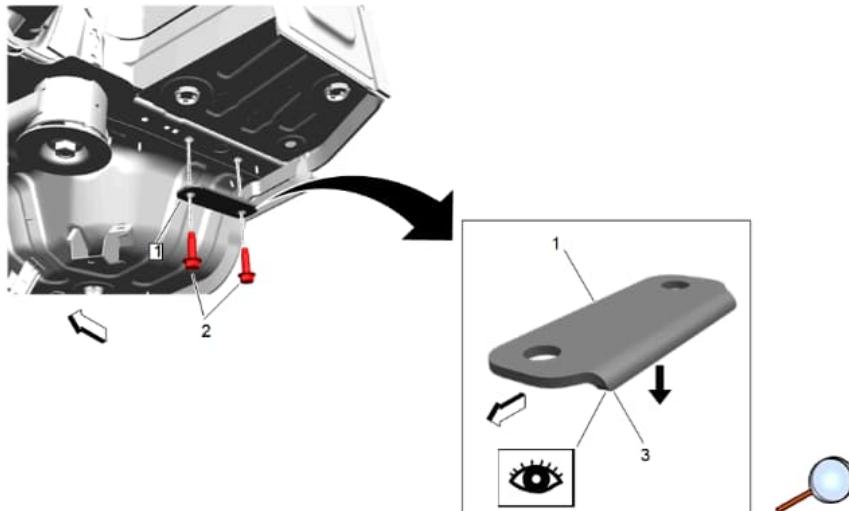
Note: If the acoustic insulation interferes with plate installation or removal of body sealant, the insulation can be moved out of the way by removing the retention clip. The clip for the insulation must be screwed out to be removed. Do not pull these clips or they will be damaged. Reinstall the clip and position the insulation over the plate after the plate has been installed and sealant applied.

Note: If equipped with a Vehicle External Speaker and the bracket impedes the removal of the body sealant and installation of the reinforcement plate, the speaker screw and bracket can be temporarily removed. Reinstall bracket and speaker after installation of plate and application of body sealant.

- With the aid of an assistant, insert the platform assembly – trailer hitch (2) into the body rails. Secure with the retained impact bar nuts (1) in a cross pattern from left side to right side to ensure an even load distribution.

Tighten

Tighten the nuts to 58 N·m (43 lb ft).



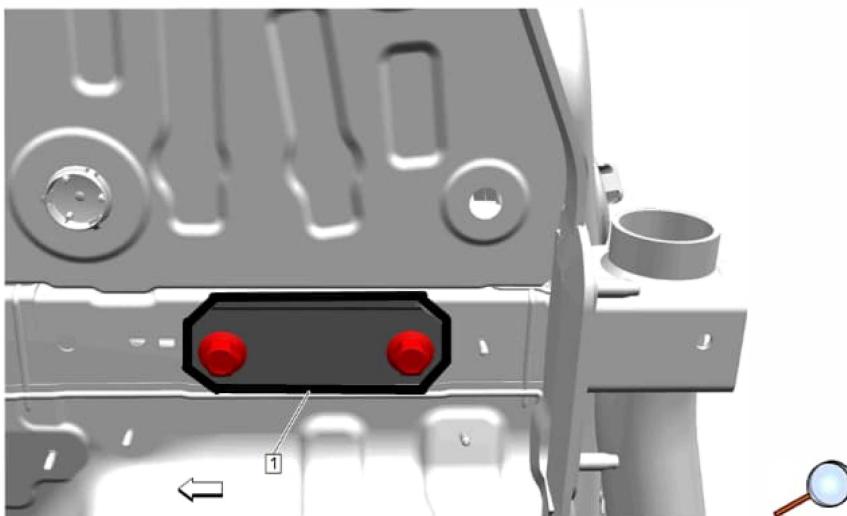
Warning: Observe orientation of plates. Plates must be installed flange side down (3) and outward to match step in body rail. Incorrect installation of plates may result in damage to frame rail, structural integrity of hitch platform and loss of trailer hitch attachment to vehicle.

Note: Left side shown, right side similar.

- Install the reinforcement plates (1) to the frame under side and secure the platform assembly – trailer hitch with the supplied M12 x 1.75 bolts (2).

Tighten

Tighten the M12 x 1.75 bolts to 100 N·m (74 lb ft).

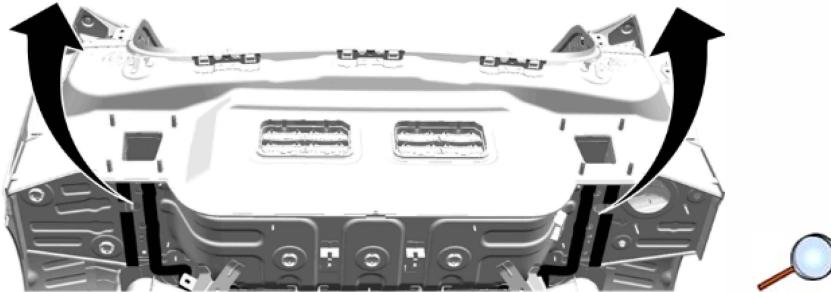


Note: Left side shown, right side similar.

7. Re-apply Kent® High Tech Seam Sealer P10200 or equivalent (1) to the area indicated.
8. If the metal area is inadvertently scraped or scuffed, the metal surface can be treated as follows:
 - 8.1. Wipe the damaged area with Bonderite pre-treatment wipe.
 - 8.2. Apply DPLF repair primer on the affected surface.

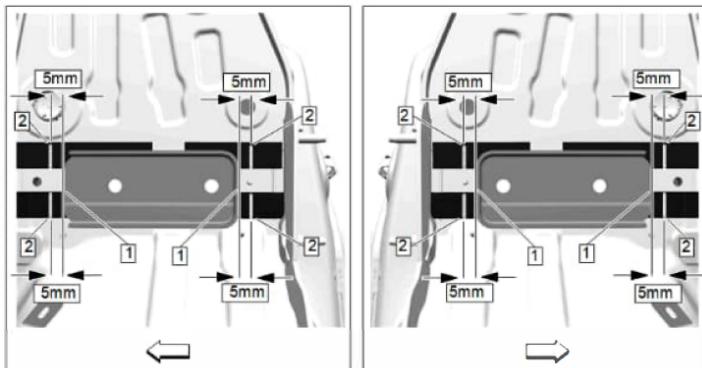
Trailer Hitch Install – Wide Design (Lyriq, Vistiq, Blazer EV, Prologue and ZDX)

Note: If the vehicle is equipped with a Vehicle External Speaker, see specific instruction below for removal of VES and bracket in order to access and install reinforcement plates.

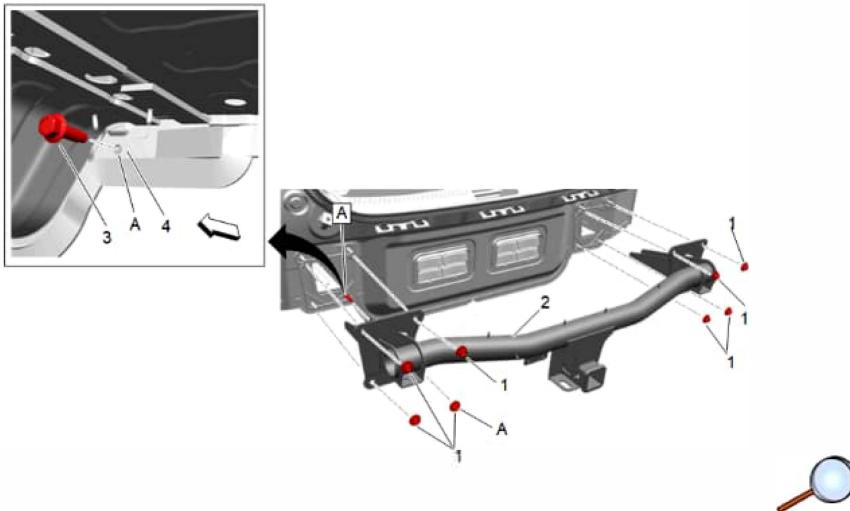


Warning: Although this hitch is designed to safely tow its rated load, we recommend that you consult your vehicle owner's manual for possible manufacturer's recommendations or limitation. Be sure your trailer has safety chains and that each chain will hold the trailer's maximum gross weight.

1. Position the reinforcement plates (1) to the holes (2) in the frame underside.



2. While holding the reinforcement plates in position, measure 5mm from each end of the reinforcement plate (1) and mark a line (2) in the sealant. Remove the reinforcement plates.
3. Using a flat bladed tool, remove the body sealant in the areas between the previously marked lines (2) to allow installation of the hitch reinforcement plates. Use a wire brush to remove any debris. The hitch mating surface must be clean of any sealant or foreign material.
4. If the metal area is inadvertently scraped or scuffed, the metal surface can be treated as follows:
 - 4.1. Wipe the damaged area with Bonderite pre-treatment wipe.
 - 4.2. Apply DPLF repair primer on the affected surface.



Note: Some MY26+ vehicles may not have nut and stud present at location (A).

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: If the acoustic insulation interferes with plate installation or removal of body sealant, the insulation can be moved out of the way by removing the retention clip. The clip for the insulation must be screwed out to be removed. Do not pull these clips or they will be damaged. Reinstall the clip and position the insulation over the plate after the plate has been installed and sealant applied.

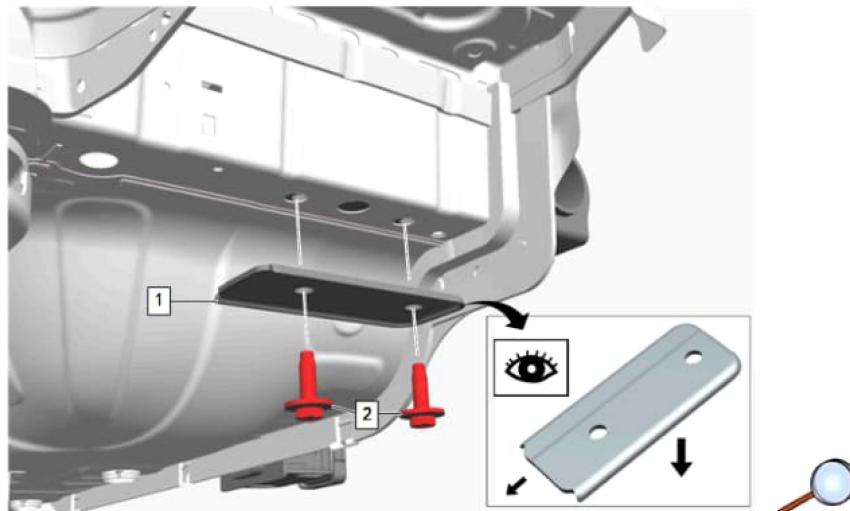
Note: If equipped with a Vehicle External Speaker and the bracket impedes the removal of the body sealant and installation of the reinforcement plate, the speaker screw and bracket can be temporarily removed. Reinstall bracket and speaker after installation of plate and application of body sealant.

5. For MY26+ LYRIQ, BLAZER EV, and VISTIQ that do not have the driver side inboard lower nut and stud at location (A). Install the provided loose M10 bolt (3) and nut at location (A).- Body sealant will need to be removed and re-applied at this location (4).

6. With the aid of an assistant, insert the platform assembly – trailer hitch (2) into the body rails. Secure with the impact bar nuts (1) in a cross pattern from left side to right side to ensure an even load distribution.

Tighten

Tighten the nuts to $58\text{ N}\cdot\text{m}$ (43 lb ft).



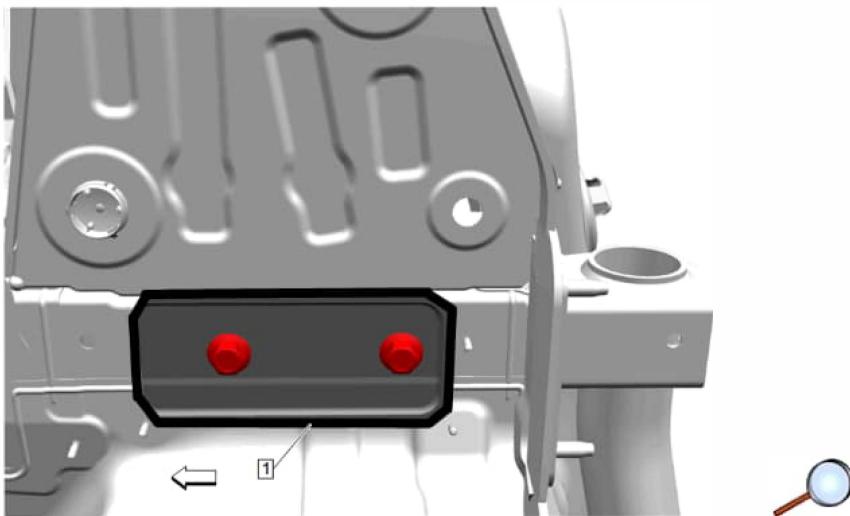
Warning: Observe orientation of plates. Plates must be installed dish side down with step in plate to match step in body rail. Incorrect installation of plates may result in damage to frame rail, structural integrity of hitch platform and loss of trailer hitch attachment to vehicle.

Note: Left side shown, right side similar.

7. Install the reinforcement plates (1) to the frame under side and secure the platform assembly – trailer hitch with the supplied M12 x 1.75 bolts (2).

Tighten

Tighten the M12 x 1.75 bolts to $100\text{ N}\cdot\text{m}$ (74 lb ft).

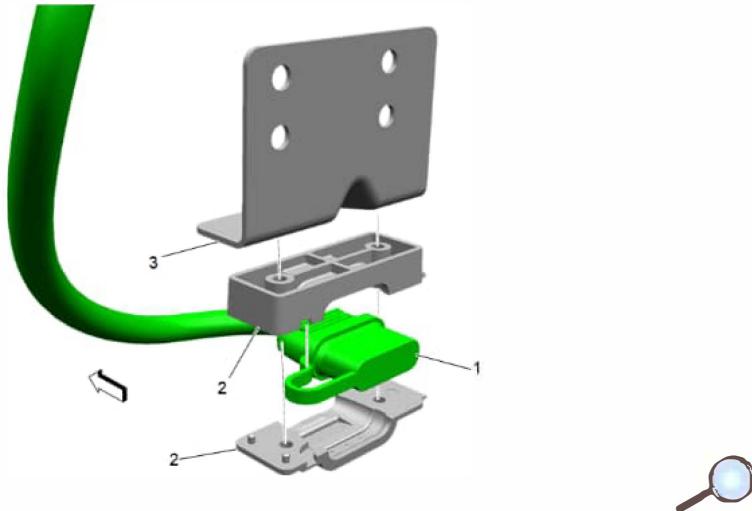


Note: Left side shown, right side similar.

8. Re-apply Kent® High Tech Seam Sealer P10200 or equivalent (1) to the area indicated.
9. If the metal area is inadvertently scraped or scuffed, the metal surface can be treated as follows:
 - 9.1. Wipe the damaged area with Bonderite pre-treatment wipe.
 - 9.2. Apply DPLF repair primer on the affected surface.

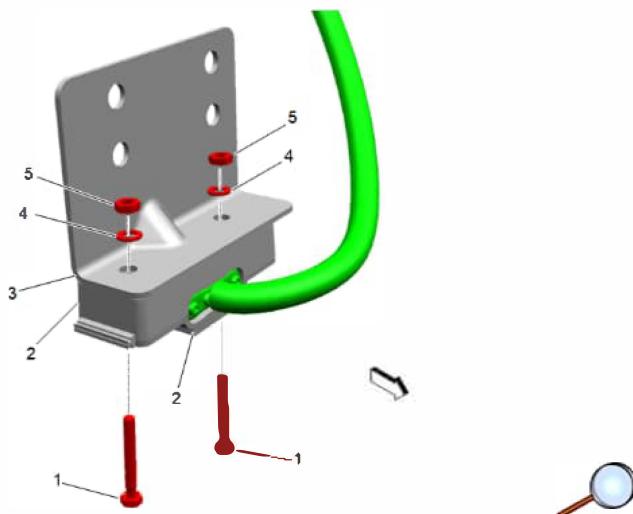
Trailer Wiring Harness 4-Pin Connector Installation

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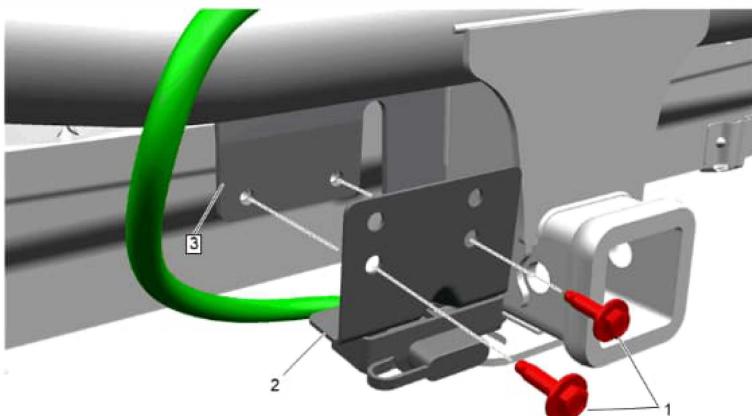


Note: This 4-pin connector applies to the following vehicles: **Cadillac Lyriq N/A and Korea, Cadillac Optiq N/A, Chevrolet Blazer EV N/A, and Chevrolet Equinox EV N/A.**

1. On the bench, install the trailer wiring harness connector (1) to the clam shell bracket (2) carefully positioning the tether to the "L" bracket (3).

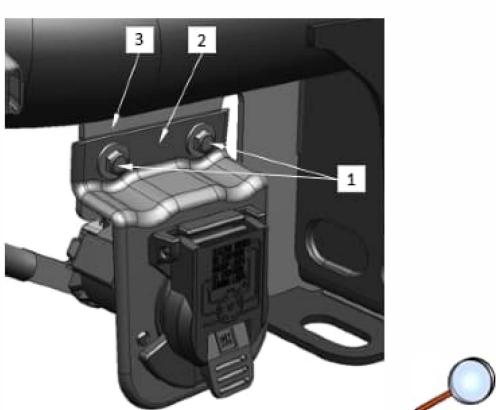


2. Position the clam shell bracket (2) to the "L" shaped harness bracket (3) and fasten with M4 bolts (1), washer (4) and M4 nuts (5). Tighten to **.7 N·m (6 lb in)**.



3. Position the trailer harness "L" bracket (2) to the trailer hitch platform support (3) and secure with the supplied M6 x 1 bolts (1).
Tighten
 Tighten the M6 x 1 bolts to 9 N·m (80 lb in).

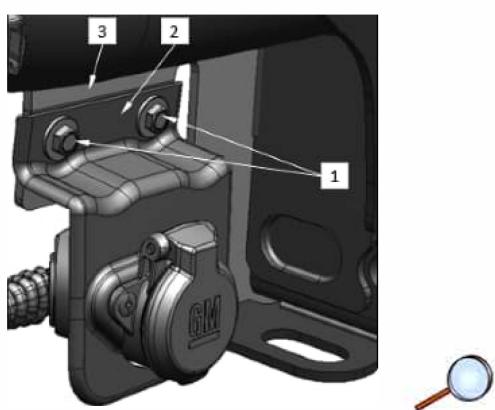
Trailer Wiring Harness 7-Pin Connector Installation



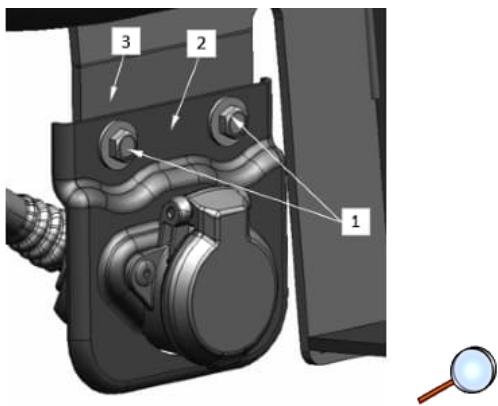
Note: This 7-pin connector applies to the Cadillac Vistiq N/A.
 1. Install and secure the harness bracket (2) to the trailer hitch platform bracket (3) and secure with the M6 bolts (1).
Tighten
 Tighten the M6 x 1 bolts to 9 N·m (80 lb in).

Trailer Wiring Harness 13-Pin Connector Installation

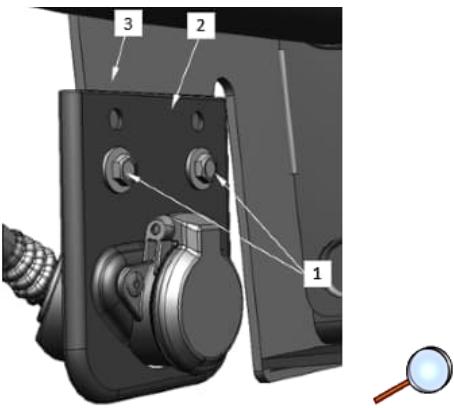
Note: Refer to the images below for 13-pin connector vehicle application.
 1. Install and secure the harness bracket (2) to the trailer hitch platform bracket (3) and secure with the M6 bolts (1).
Tighten
 Tighten the M6 x 1 bolts to 9 N·m (80 lb in).



• Cadillac Vistiq EU



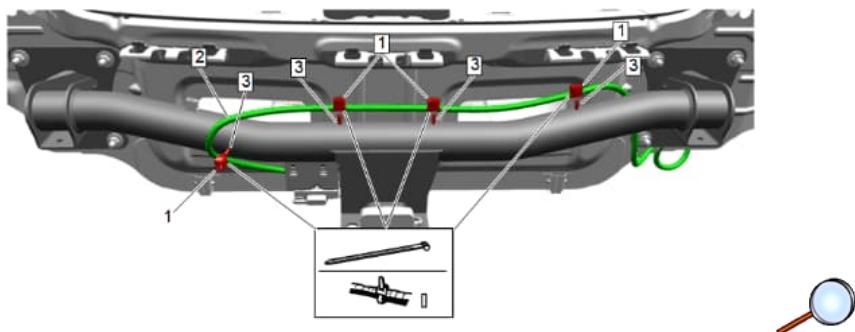
- Cadillac Optiq EU and Korea



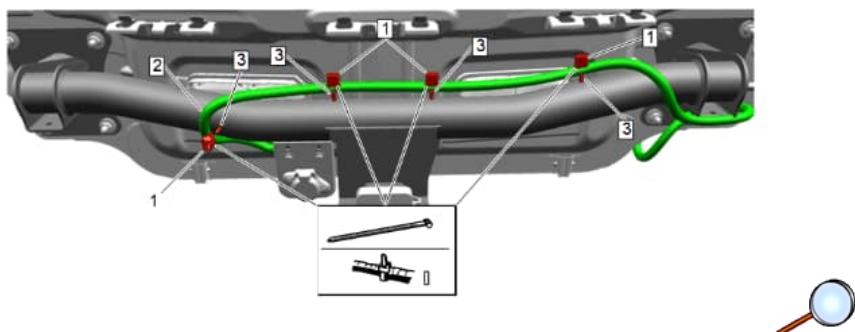
- Chevrolet Blazer EV EU and Cadillac Lyriq EU
Trailer Wiring Harness Installation to Hitch

Note: Refer to the images below for wire harness vehicle application.

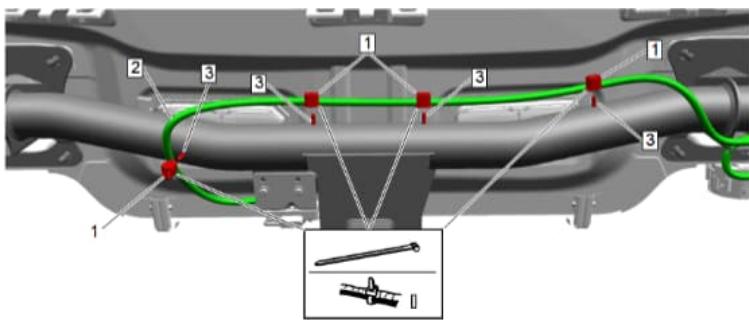
1. Push on the harness stud clips (1) to the platform assembly – trailer hitch (3) and secure the wiring harness (2) to the clips with the stud clip straps.



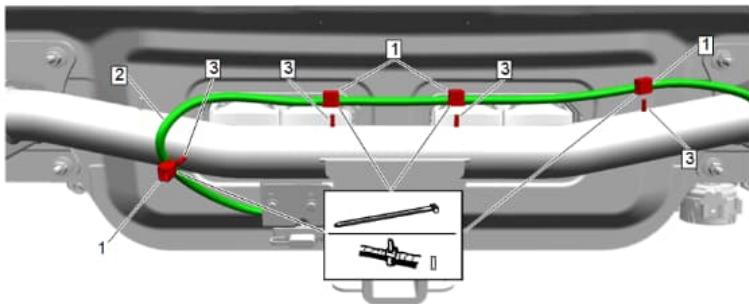
- Cadillac Lyriq N/A and Korea 4-Pin



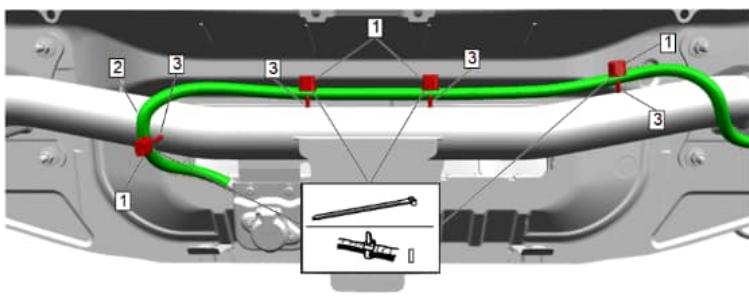
- Cadillac Lyriq EU without VES speaker 13-pin



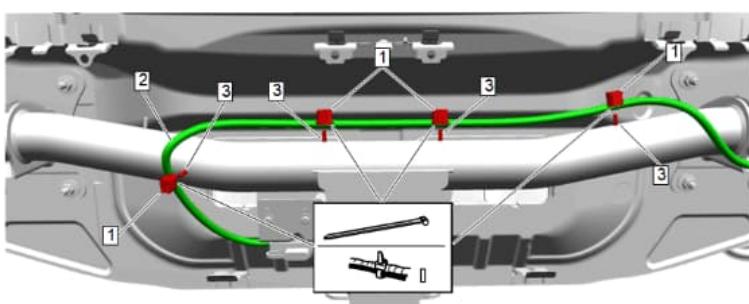
- Chevrolet Blazer EV N/A and Korea 4-pin



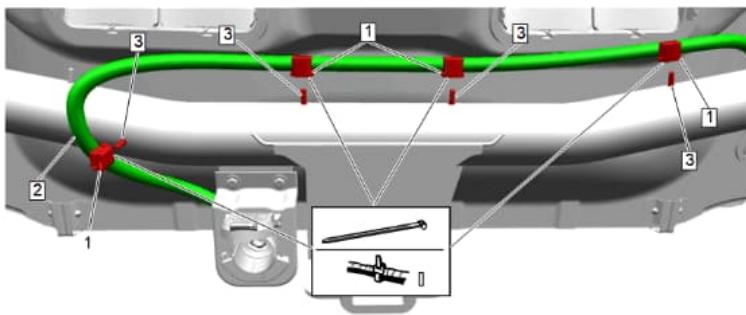
- Chevrolet Equinox EV N/A 4-pin



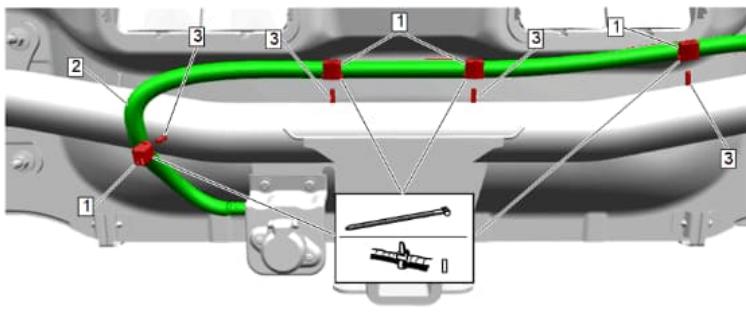
- Cadillac Optiq EU and Korea 13-pin



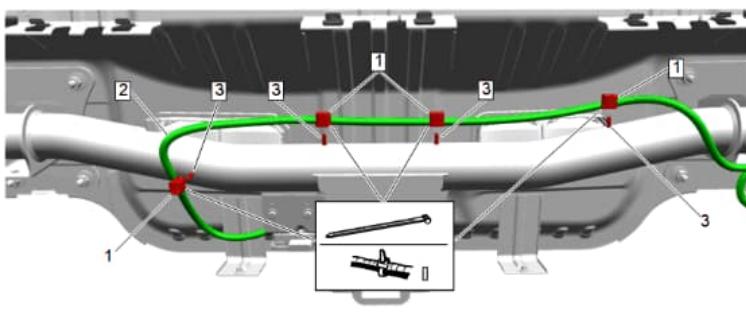
- Cadillac Optiq N/A 4-pin



◦ Cadillac Vistiq N/A 7-pin



◦ Cadillac Vistiq EU 13-pin

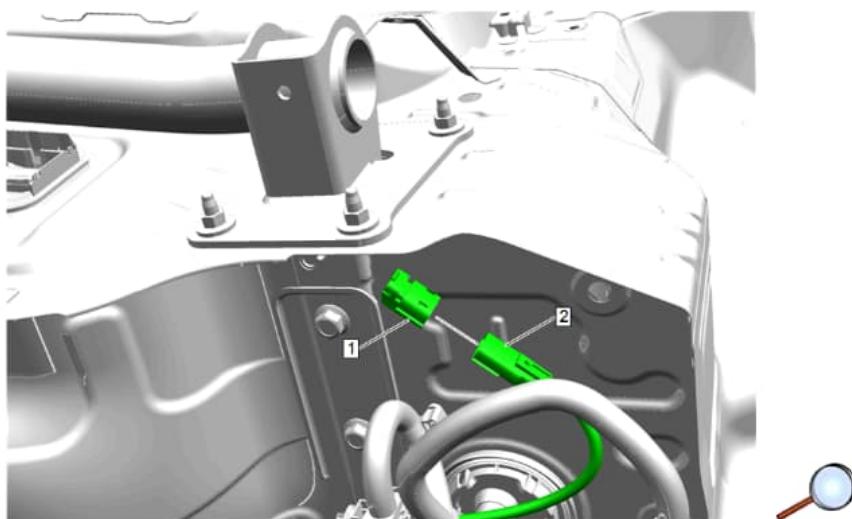


◦ Buick Electra E5 N/A

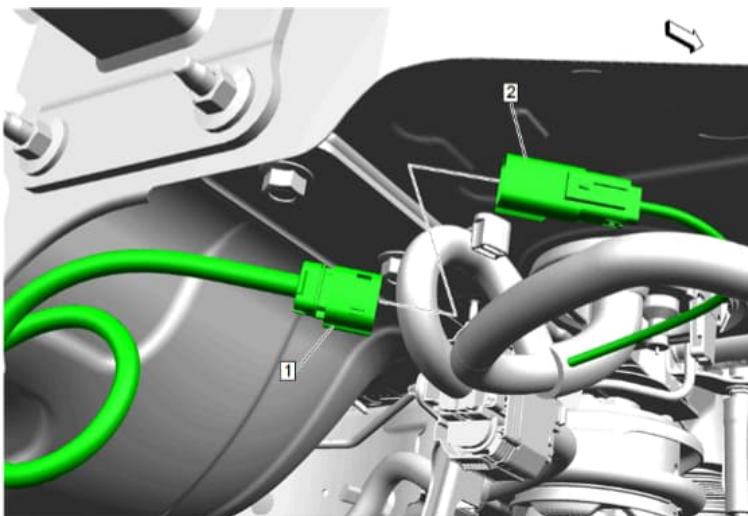
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Harness Connections

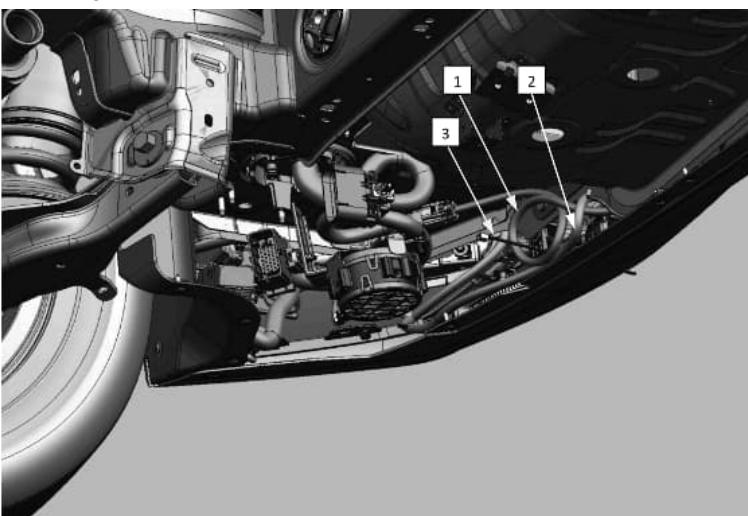
Cadillac Lyriq N/A and Korea without VES Speaker



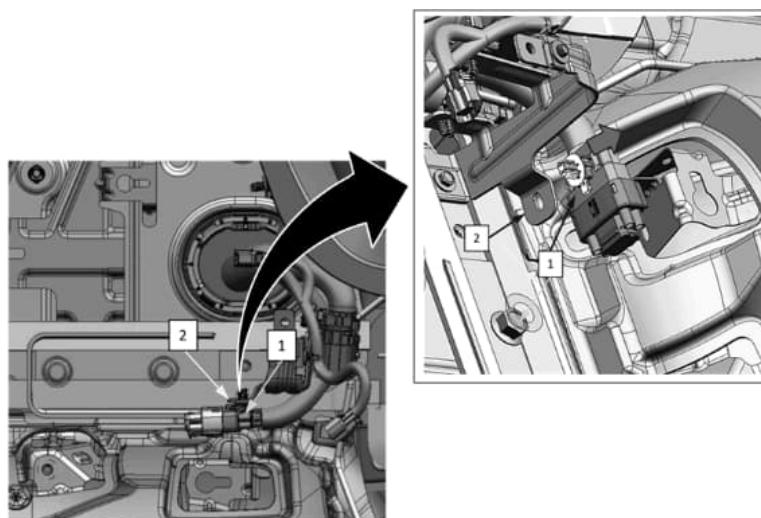
1. Remove connector cap (1) from body harness (2).



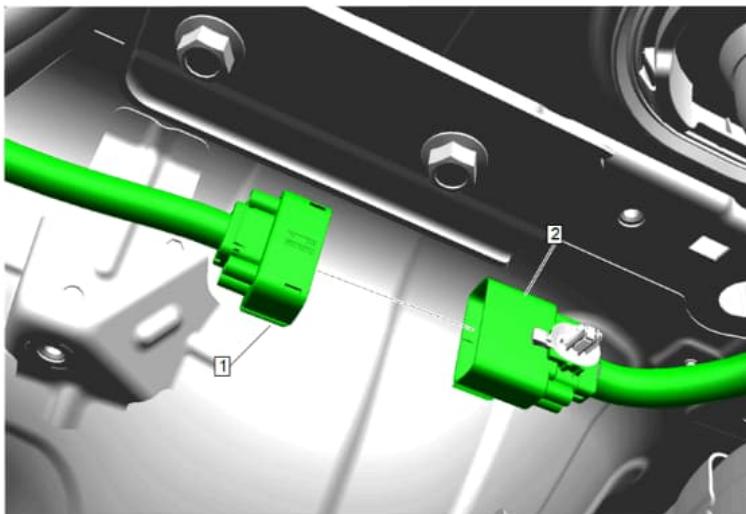
2. Connect the trailer harness connector (1) to the body harness connector (2). Make sure to engage the RED CPA (Connector Position Assurance) after making the connection.



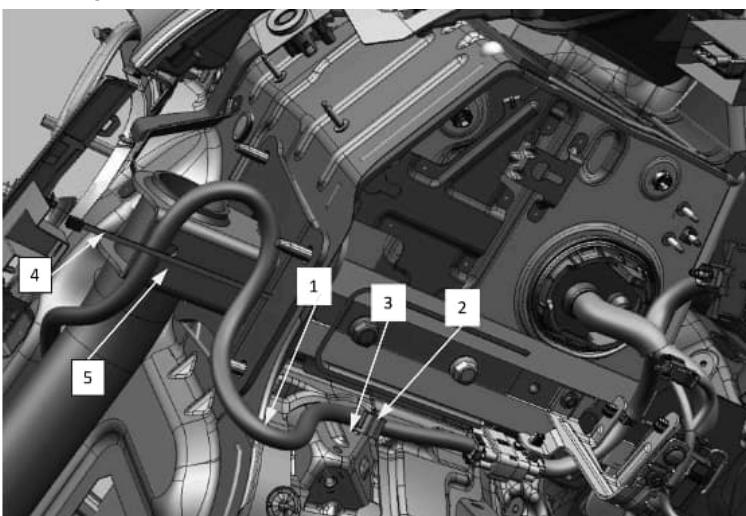
3. Attach trailer harness (1) to the rear fascia harness (2) with supplied tie strap (3). Trim excess off tie strap.
Cadillac Lyriq EU without VES Speaker



1. Disengage the body harness connector clip (1) from the under body panel bracket (2).



2. Connect the trailer harness connector (1) to the body harness connector (2). Make sure to engage the RED CPA (Connector Position Assurance) after making the connection.

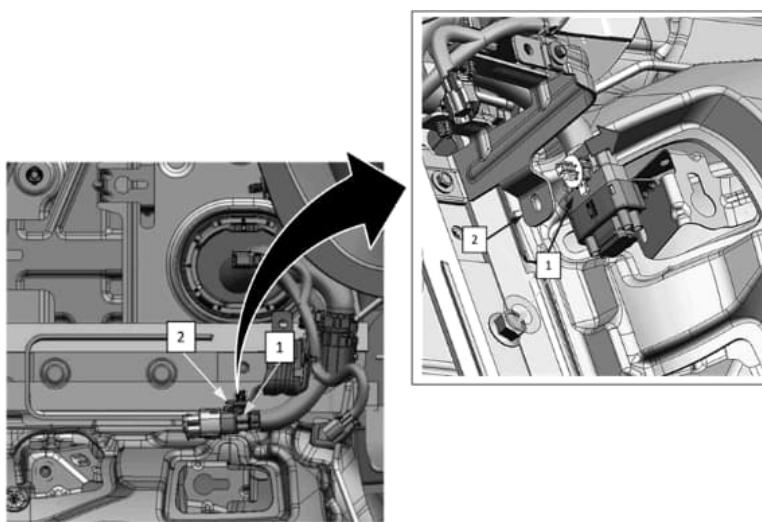


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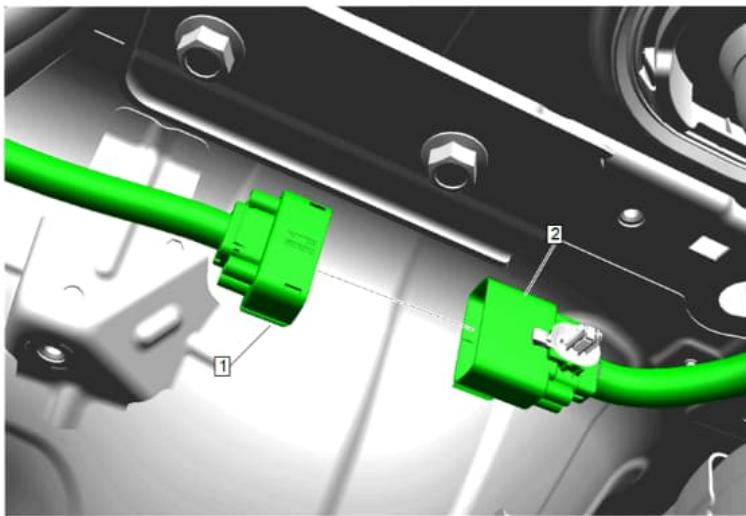
3. Attach the trailer harness (1) with stud clip (2) to the hole of the insulator bracket (3). Secure trailer harness (1) to hitch side bracket (5) with supplied tie strap (4). Trim excess off tie strap.

Cadillac Lyriq and Cadillac Optiq with VES Speaker

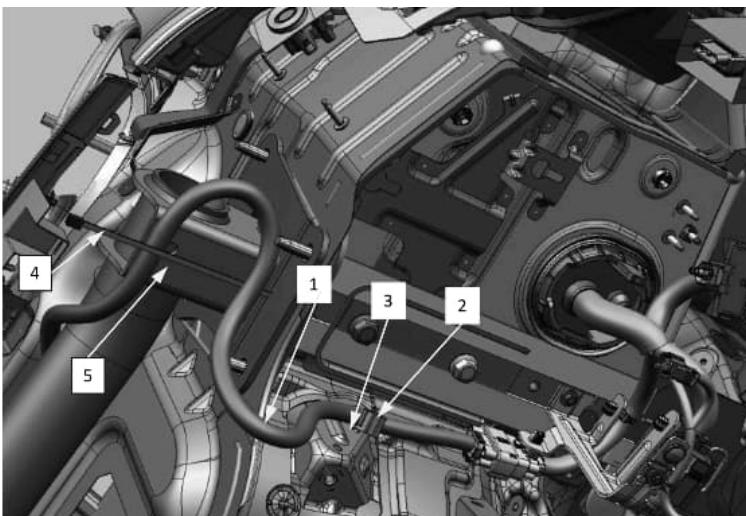
1. Remove the pedestrian sound alert rear speaker. Refer to [Pedestrian Sound Alert Rear Speaker Replacement](#) in Vehicle Service Manual.



2. Disengage the body harness connector clip (1) from the under body panel bracket (2).



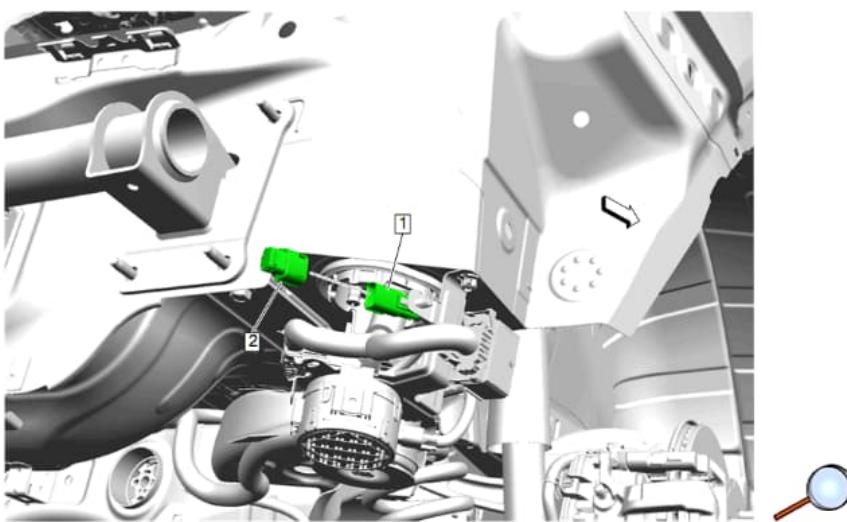
3. Connect the trailer harness connector (1) to the body harness connector (2). Make sure to engage the RED CPA (Connector Position Assurance) after making the connection.



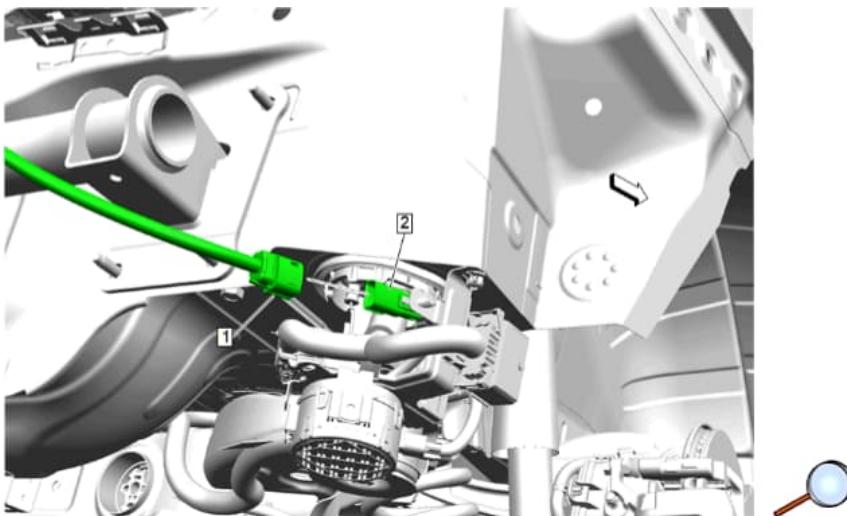
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4. Attach the trailer harness (1) with stud clip (2) to the hole of the insulator bracket (3). Secure trailer harness (1) to hitch side bracket (5) with supplied tie strap (4). Trim excess off tie strap.

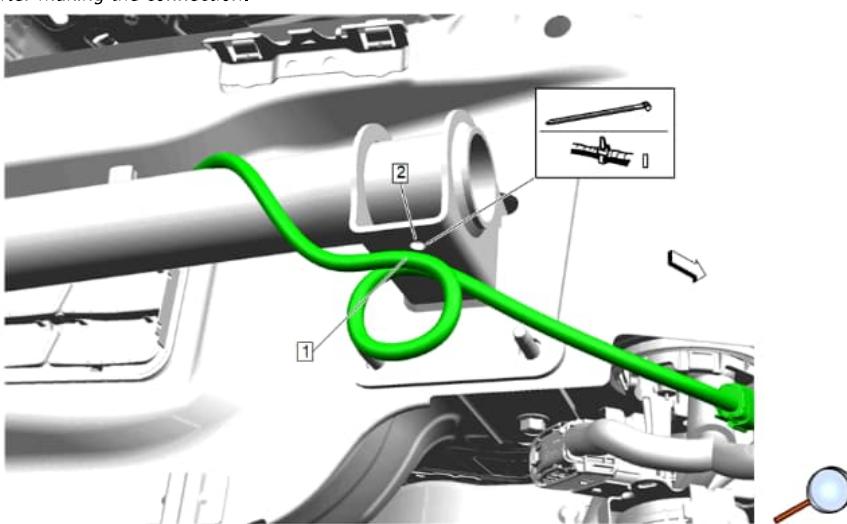
5. Reinstall the pedestrian sound alert rear speaker. Refer to [Pedestrian Sound Alert Rear Speaker Replacement](#) in Vehicle Service Manual.
Chevrolet Blazer EV N/A and Korea



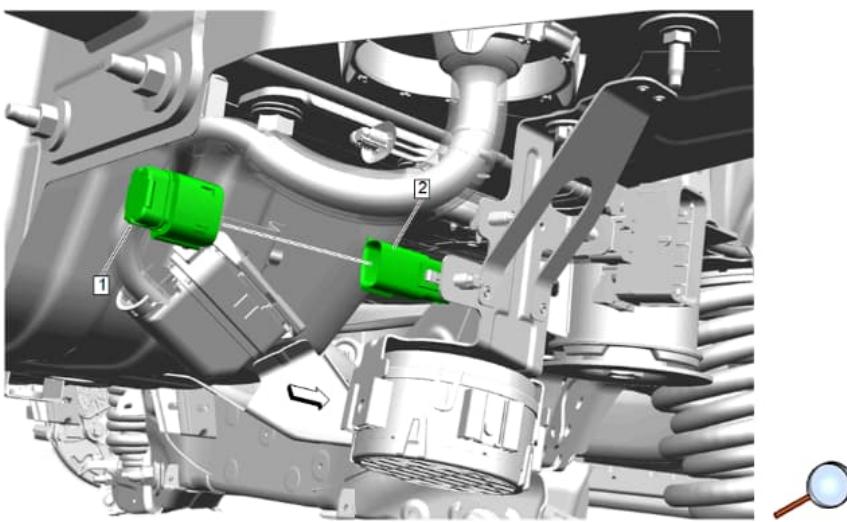
1. Remove connector cap (2) from body harness (1).



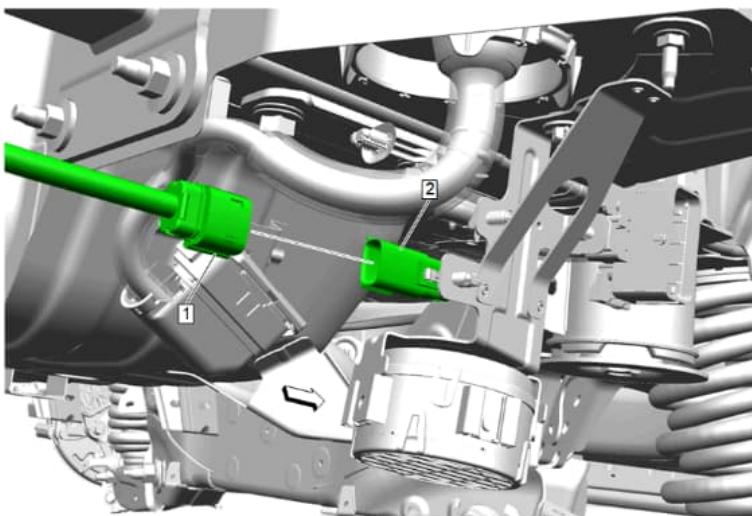
2. Connect the trailer harness connector (1) to the body harness connector (2). Make sure to engage the RED CPA (Connector Position Assurance) after making the connection.



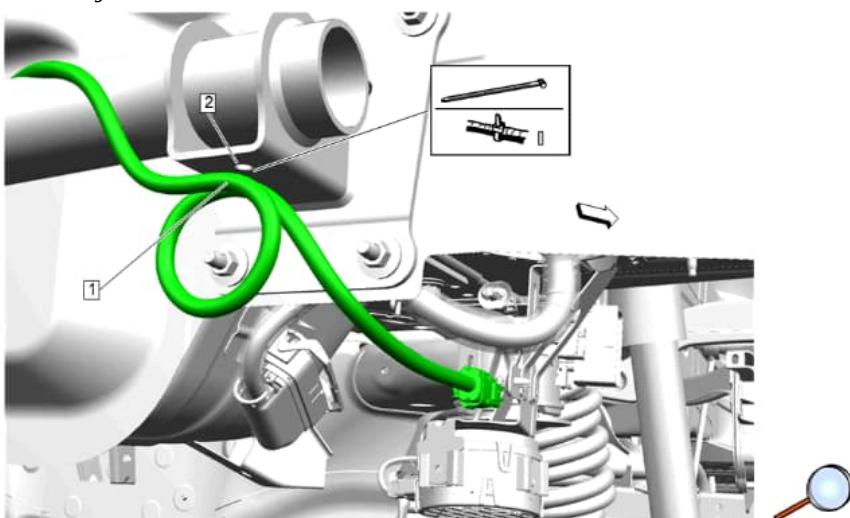
3. Secure trailer harness (1) to hole (2) in trailer hitch platform with supplied tie strap. Trim excess off tie strap.
Chevrolet Equinox EV N/A



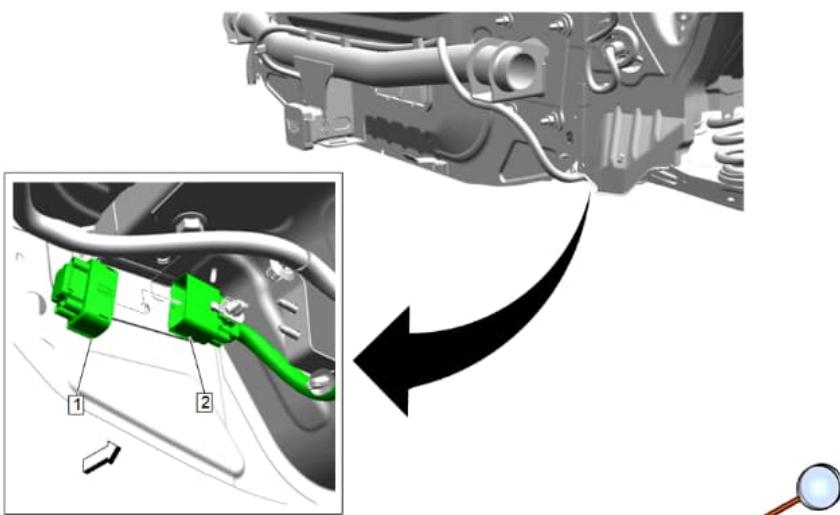
1. Remove connector cap (1) from body harness (2).



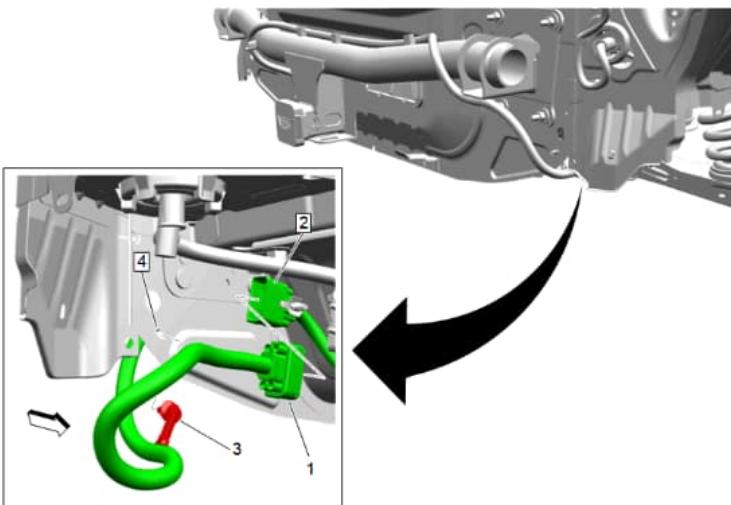
2. Connect the trailer harness connector (1) to the body harness connector (2). Make sure to engage the RED CPA (Connector Position Assurance) after making the connection.



3. Secure trailer harness (1) to hole (2) in trailer hitch platform with supplied tie strap. Trim excess off tie strap.
Cadillac Optiq

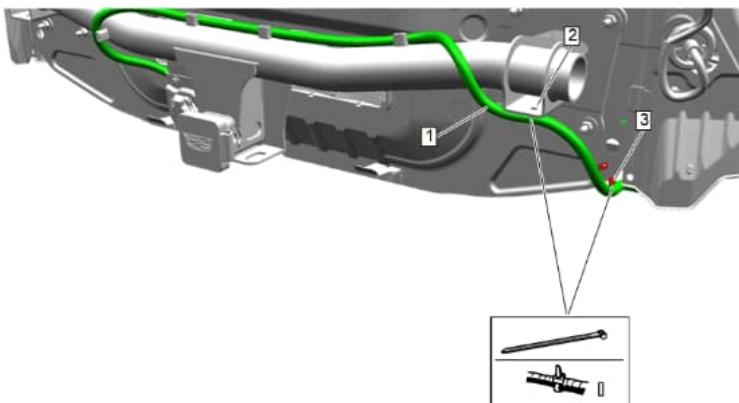


1. Remove connector cap (1) from body harness (2).

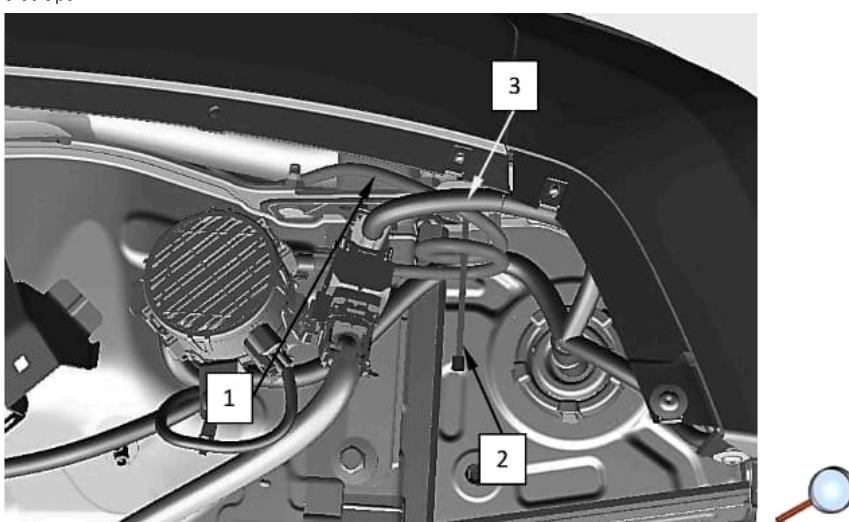


2. Connect the trailer harness connector (1) to the body harness connector (2). Make sure to engage the RED CPA (Connector Position Assurance) after making the connection.

3. Insert clip (3) into slot (4) of rear end panel. Secure harness to clip (3) with tie strap. Trim excess off tie strap.

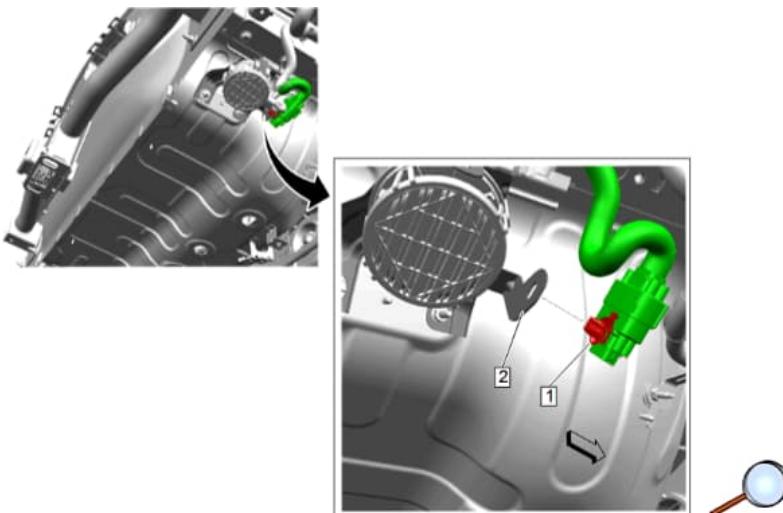


4. Secure harness (1) with supplied tie strap to hole (2) in hitch platform. Secure trailer harness (1) to clip (3) with supplied tie strap. Trim excess off tie straps.

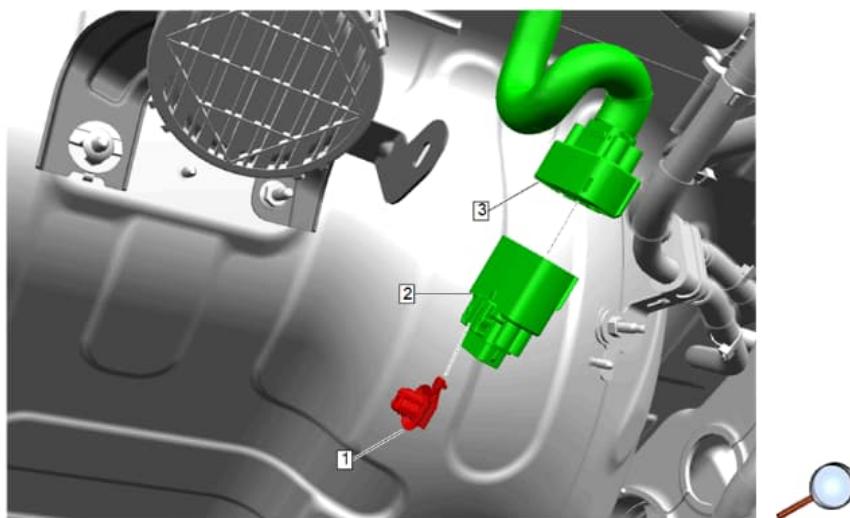


5. Secure trailer harness (1) to with supplied tie strap (2) to the rear fascia harness (3). Trim excess off tie strap.

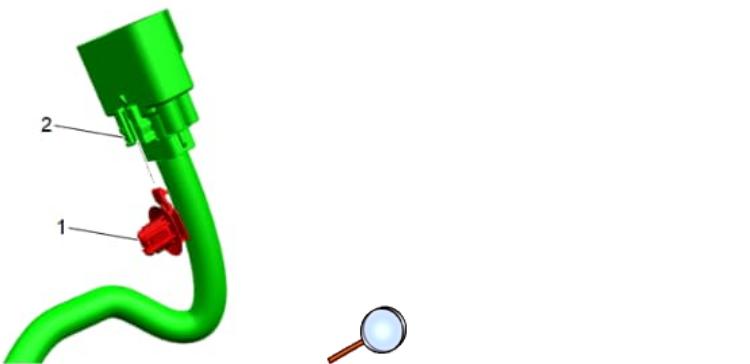
Cadillac Vistiq



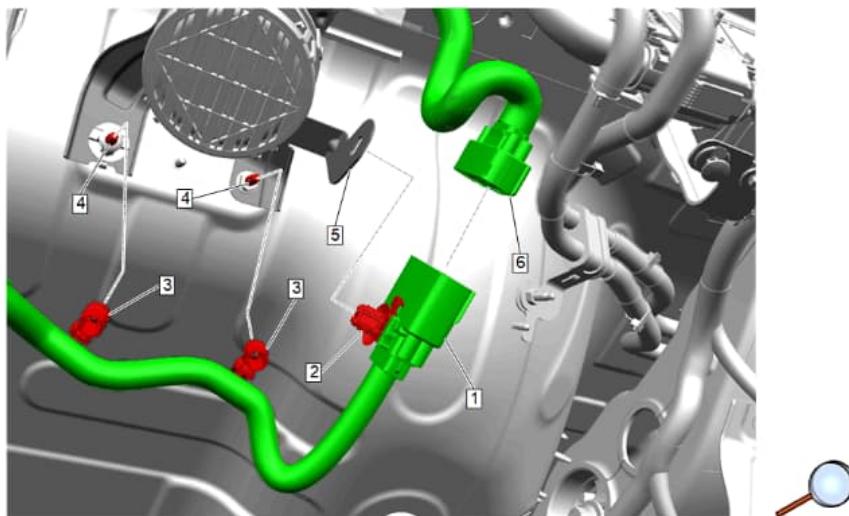
1. Disengage the body harness clip (1) from speaker bracket (2).



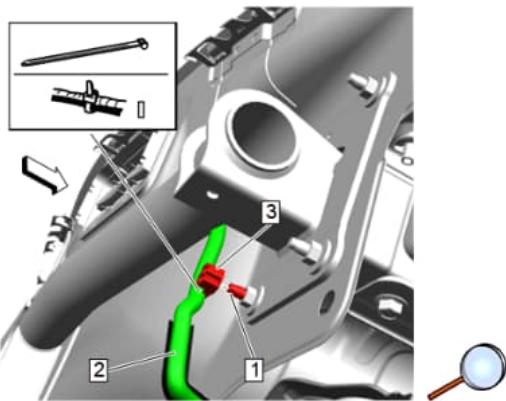
2. Remove connector cap (2) from body harness (3). Remove the harness cap clip (1) from cap (2).



3. Install the previously removed harness cap clip (1) to the trailer harness connector (2).

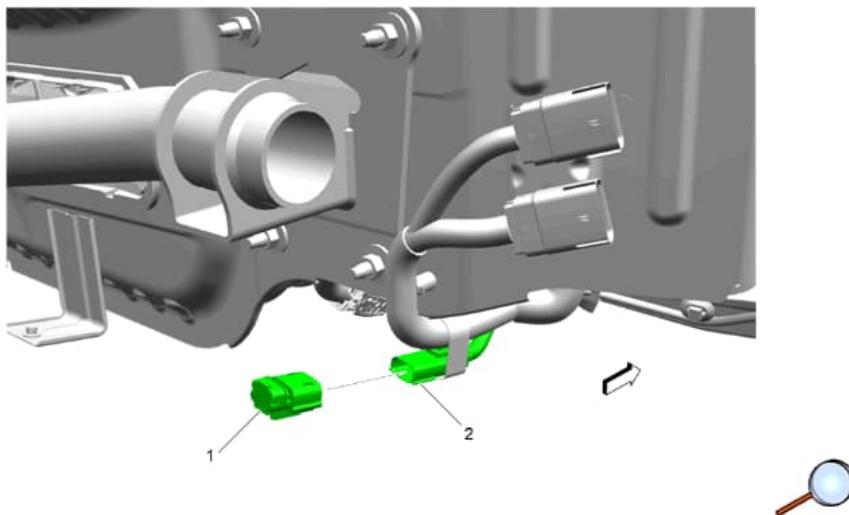


4. Connect the trailer harness connector (1) to the body harness connector (6). Make sure to engage the RED CPA (Connector Position Assurance) after making the connection.
5. Attach trailer harness clip (2) to speaker bracket (5). Attach harness clips (3) to studs (4).

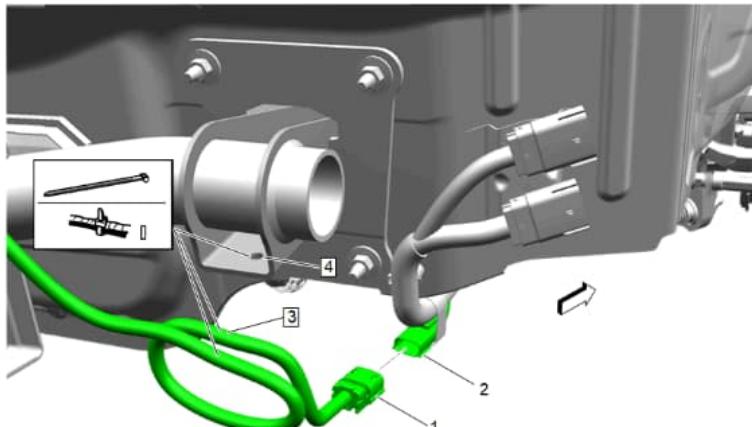


6. Install stud clip (3) to rear end panel stud (1) and secure trailer harness (2) to clip (3) with supplied tie strap. Trim excess off tie strap.

Buick Electra E5 N/A



1. Remove connector cap (1) from body harness (2).



2. Connect the trailer harness connector (1) to the body harness connector (2). Make sure to engage the RED CPA (Connector Position Assurance) after making the connection.

3. Secure trailer harness (3) to hole (4) in trailer hitch platform with supplied tie strap. Trim excess off tie strap.

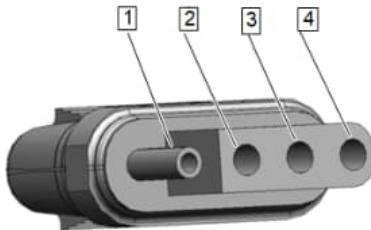
Harness Checkout

1. Trailer Harness Checkout Procedure

- **Option 1** Turn on the vehicle and verify the defined function for every circuit according with the connector adapter type (4-pin, 7-pin or 13-pin).
- **Option 2** Use test light or volt meter.

All 4-Pin Connector Trailer Harness

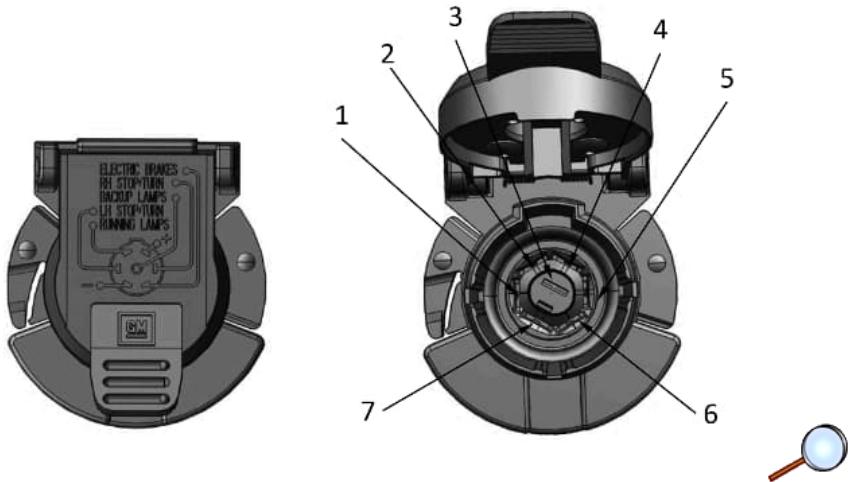
1. The trailer wiring harness (if equipped) with a 4-pin connector is located at the rear of vehicle and it is tied to the trailer-hitch-platform.
2. Use only 4-wire connector with flat blade terminals meeting SAE J1239 specifications for proper electrical connectivity.
3. The 4-wire harness contains the following trailer circuits:



- Ground (1).
- Tail lamps (2).
- Left turn signal/brake (3).
- Right turn signal/brake (4).

All 7-Pin Connector Trailer Harness

1. The trailer wiring harness (if equipped) with a 7-pin connector is located at the rear of vehicle and it is tied to the trailer-hitch-platform.
2. Use only a round 7-wire connector with flat blade terminals meeting SAE J1263 specifications for proper electrical connectivity.
3. The 7-wire harness contains the following trailer circuits:



- Left turn signal/brake (1).
- Tail/parking lamps (2).
- Reverse lamps (3).
- Battery feed (4).
- Right turn signal/brake (5).
- Electric Trailer Brake* (6).
- Ground (7).

Note: *Circuit powered by electrical brake control wiring provisions.

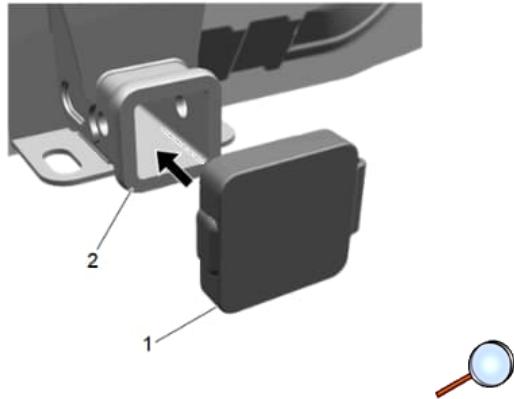
All 13-Pin Connector Trailer Harness

1. The trailer wiring harness (if equipped) with a 13-pin connector is located at the rear of vehicle and it is tied to the trailer-hitch-platform.
2. Use only a round 13-wire connector with flat blade terminals meeting ISO 11446 specifications for proper electrical connectivity.
3. The 13-wire harness contains the following trailer circuits:



- Left terminal signal lamp (1).
- Rear fog lamp (2).
- Common return ground (3). For pin No. 1, 2, 3, 4, 5, 6, 7, and 8.
- Right terminal signal lamp (4).
- Right park lamp (5).
- Brake lamp (6).
- Left park lamp (7).
- Backup lamp (8).
- Permanent power supply (9) (Battery) (+12V).
- Power supply controlled by ignition switch (10) (+12V).
- Return (Ground) (11) for pin No. 10.
- Trailer presence detection (12).
- Return (Ground) (13) for pin No. 9.

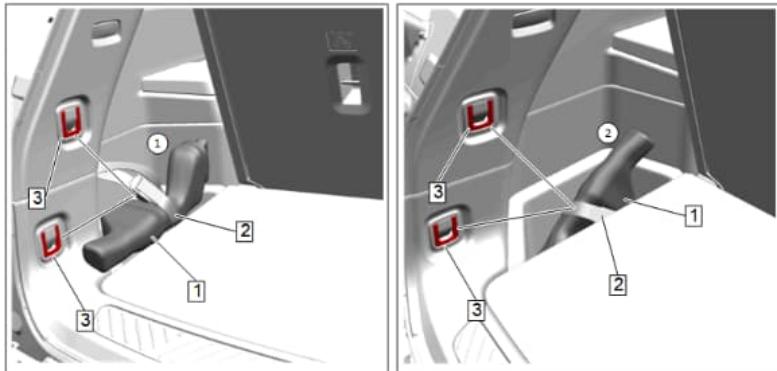
1. Once the trailer harness functions have been tested and conformed, continue with the re-installation of the rear bumper fascia once the rear bumper fascia trailer hitch access hole cover has been installed. Refer to [Rear Bumper Fascia Trailer Hitch Access Hole Cover Package Installation](#) in Accessory Installation Manual.
2. Reinstall the underbody rear air deflector, if removed. Refer to [Underbody Rear Air Rear Deflector Replacement - Rear](#) in Vehicle Service Manual.



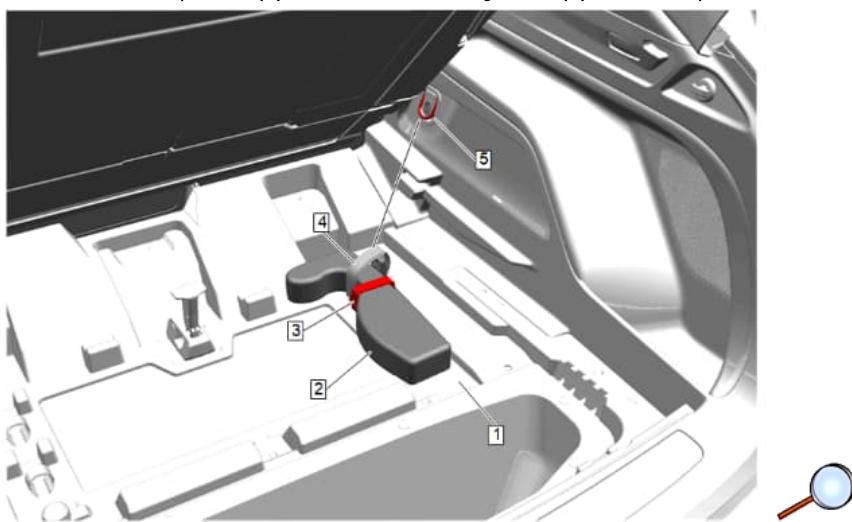
Note: If installing Hitch Access Hole Cover, please assemble rear fascia first before attaching receiver cover.
 3. Place retention collar around hitch receiver with orientation as shown. Firmly press cover (1) onto receiver opening (2).

EU Market Trailer Hitch Kit Only

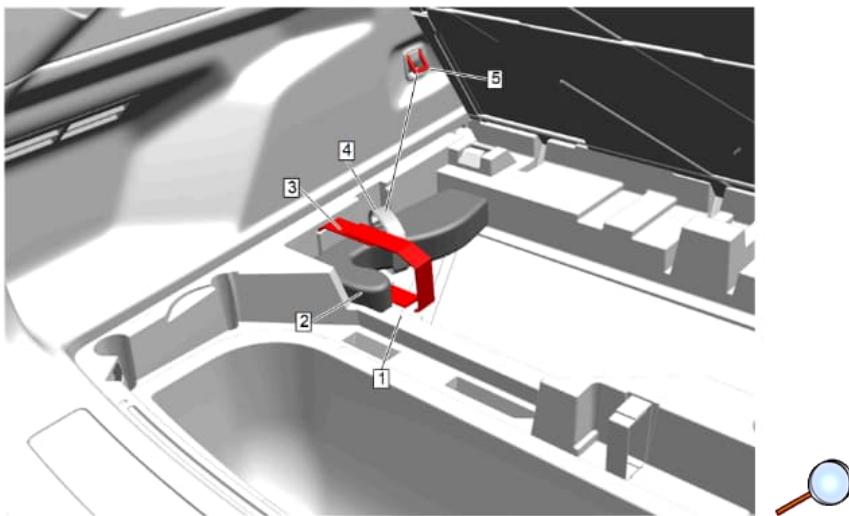
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1. **Vistiq EU:** Place ball insert into storage bag (1) flat on cargo floor or in cargo cubby hole.
2. Ensure that the safety tether (2) is attached to the cargo hook (3) in rear compartment area.



3. **Optiq EU:** Place ball insert into storage bag (2).
4. Open rear compartment load floor cover.
5. Place bag (2) in rear cargo compartment (1) under floor storage area and secure with the velcro strap (3).
6. Run safety strap (4) to cargo hook (5) and use clasp to secure bag (2).
7. Pull clasp tight to ensure secure fit and to prevent excessive motion.
8. Close load floor cover.



9. **Lyriq EU:** Place ball insert into storage bag (2).
10. Open rear compartment load floor cover.
11. Place bag (2) in rear cargo compartment (1) under floor storage area and secure with the velcro strap (3).
12. Run safety strap (4) to cargo hook (5) and use clasp to secure bag (2).
13. Pull clasp tight to ensure secure fit and to prevent excessive motion.
14. Close load floor cover.