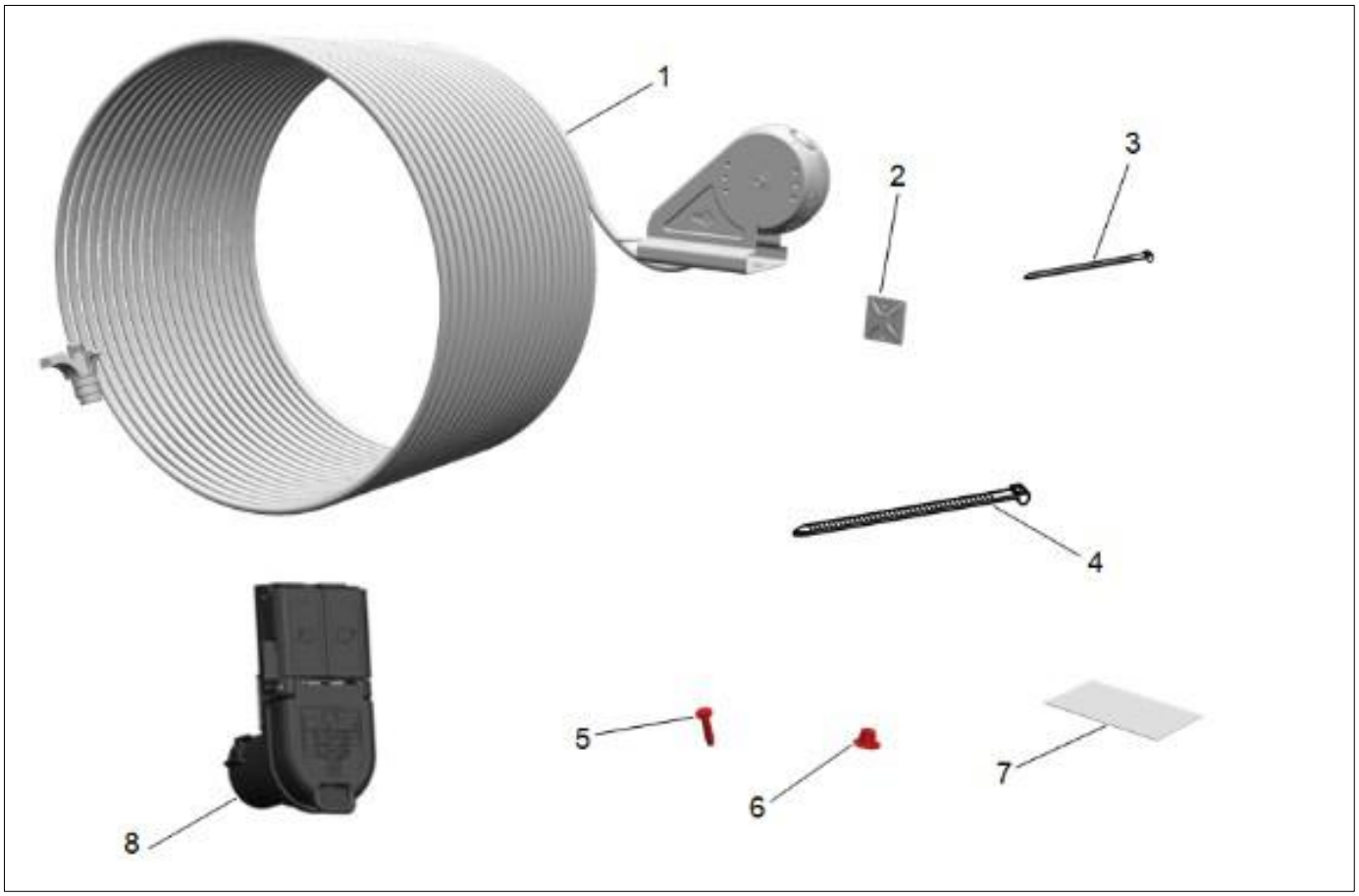
Auxiliary Trailer Camera Package

Note: Install Time: Dealer Straight Time - installation time may vary based on trailer type.

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Kit Contents

ITEM	QTY	DESCRIPTION
1	1	Camera Assembly (including harness)
2	24	Adhesive Clip Base
3	25	Tie Strap,7.5 Inch
4	4	Tie Strap, 28 Inch
5	2	M6 Flange Head Bolt
6	2	M6 Nylon Insert Flanged Hex Nut
7	1	Temporary Adhesive Pad
8	1	Uplevel Trailer Hitch Connector (on select vehicles) - 1 Installation Instructions

Tools Required

Ladder
Hand Drill
6.6 mm Drill Bit (can use 6.6 to 7.0 mm, or 17/64” to 9/32” drill bit)
8 mm Wrench
10 mm Wrench
Wire Cutters
Pencil

Material Required

Water and isopropyl alcohol solution
Lint-Free Cloth
Garbage bag

Note: This camera will work on the following vehicles, starting with the specified model years:

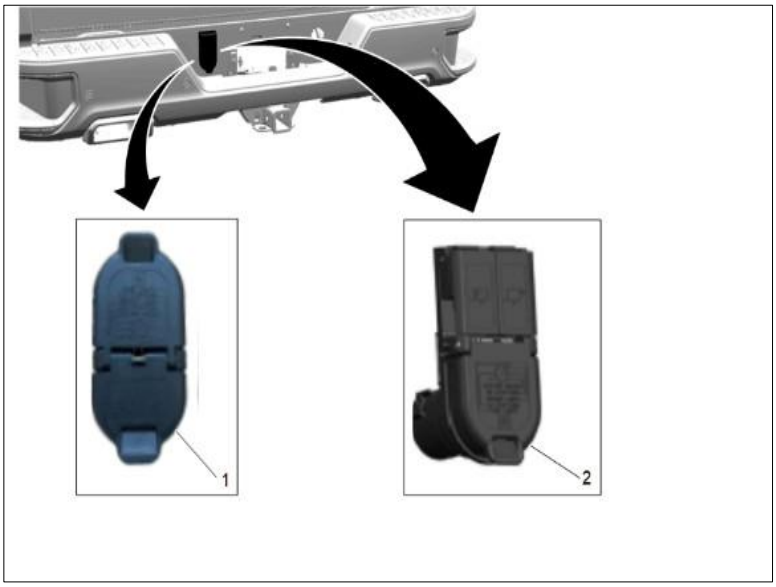
- 2024 Chevrolet Silverado, Silverado HD, Silverado EV; GMC Sierra, Sierra HD, Sierra EV
- 2025 Chevrolet Tahoe, Suburban; GMC Yukon, Yukon XL; Cadillac Escalade, Escalade ESV, Escalade IQ
- 2026 GMC Hummer EV Pickup & SUV; Cadillac Escalade IQL

Note: DO NOT ALLOW THE CAMERA TO SIT IN POOLED WATER.

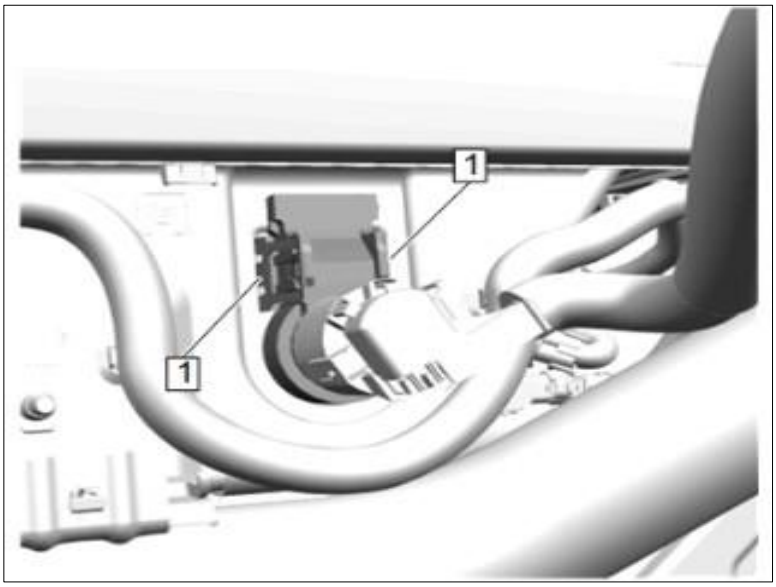
Note: Always keep the camera lens clean. Some functions will not work correctly if the lens is not clean.

1 Replace the Trailer Hitch Module (on Select Vehicles)

1. Some vehicles come with the base trailer hitch connector (1) that will need to be replaced with the uplevel trailer hitch connector (2) included with this kit. This section explains the steps to replace the trailer hitch connector, if necessary.

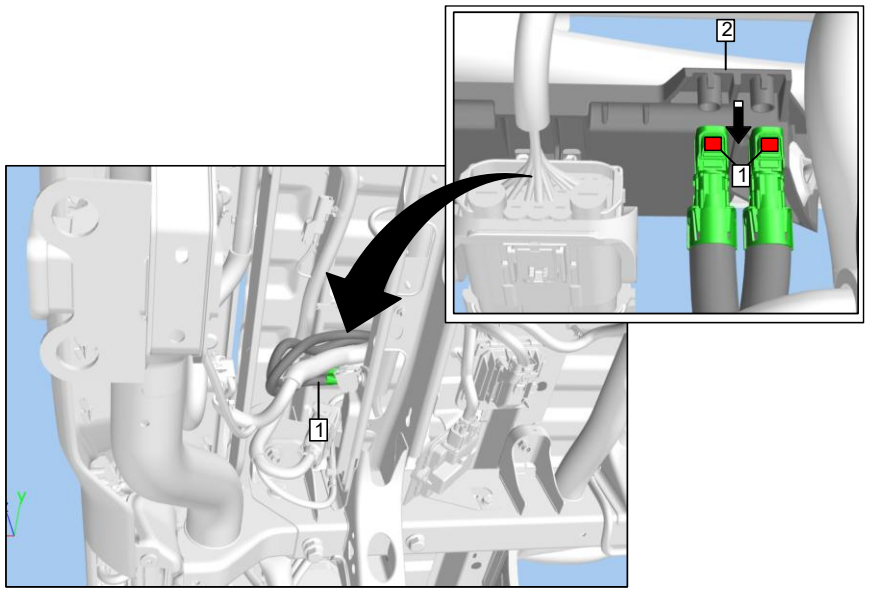


2. On the backside of the rear bumper, remove the current base trailer hitch connector by depressing the tabs (1) on the sides of the connector, and push it through the opening to the outside of rear bumper.

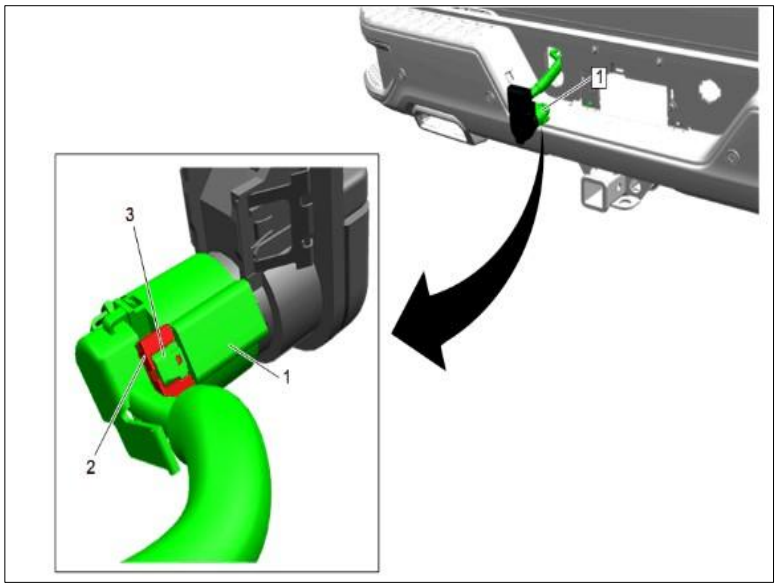


3. Disconnect the two coax cables (1) from the chassis wiring hanger bracket (2) by pressing down on the red tab and pulling the connector off the bracket. Then pull the cables through the trailer hitch connector opening.

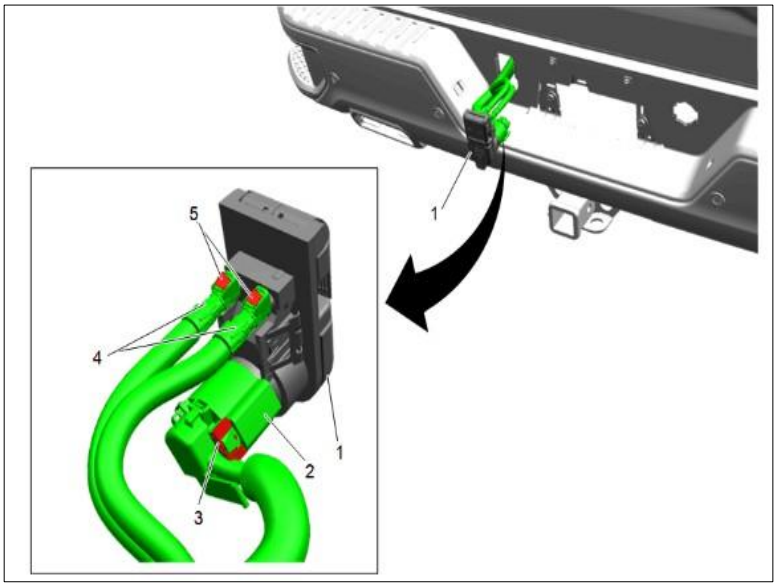
   Note: If the red tab does not depress then it is in the locked position (forward) and needs to be moved away from the bracket to unlock it. Use of a 90 degree pick or screwdriver is recommended to unlock the connector tab.



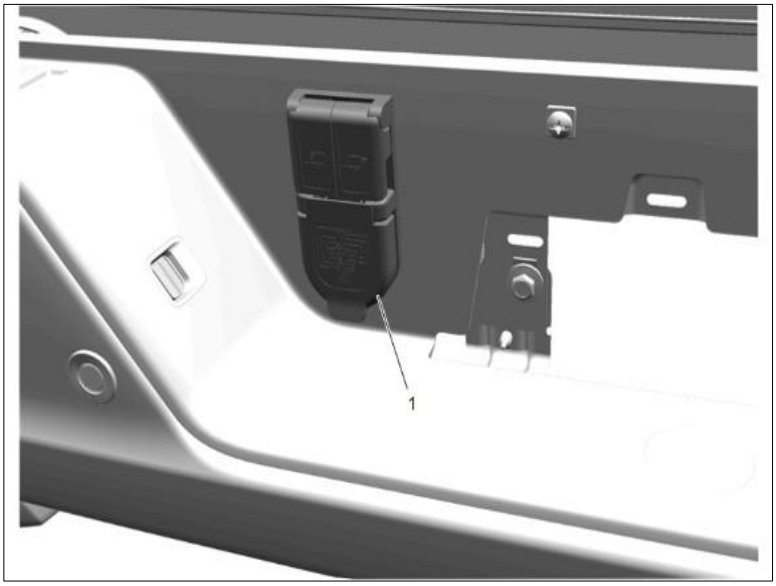
4. Pull the connector and wire out away from the rear bumper and disconnect the harness (1) (7-way connector) by removing the connector lock (2), pressing connector tab (3), and removing from base trailer hitch connector. Discard the base trailer hitch connector.



5. Locate the uplevel trailer hitch connector (1) provided in kit.
   5.1. Connect the 7-way connector (2) to the trailer hitch connector (1). Lock the connector in place by re-installing the connector lock (3).
   5.2. Connect the two coax cables (4) to the trailer hitch connector (1). Lock each connector by pushing the red tab (5) towards the trailer hitch connector until it clicks into place.



6. Secure the uplevel trailer hitch connector (1) to the rear bumper of the vehicle.



2 Determine Camera Mounting Location

2.1 Recommended Trailer Camera Mounting Locations

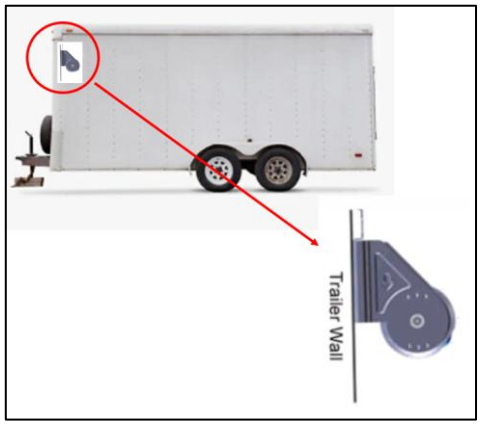
Definition: In this document, **Advanced Viewing Features** refers to features that require the camera to be mounted on the exterior rear wall in a specific zone. Example Advanced Viewing Features include Transparent Trailer and Rear Trailer Guidance. See owner's manual for a complete list of Advanced Viewing Features.

Note: Transparent Trailer will not work with 5th wheel or gooseneck trailers in MY19-MY23 vehicles.

These instructions detail a rear wall mounting option **required to enable Advanced Viewing Features** as well as a roof mounting option for an additional example. If Advanced Viewing Features will not be used, either option is available. Other locations may also be selected based on desired view.

2.2 Interior Trailer Camera Mounting Option

The preferred mounting location of the Interior Trailer Camera is on the front vertical wall facing rearward, since the display mirrors (flips) the image.

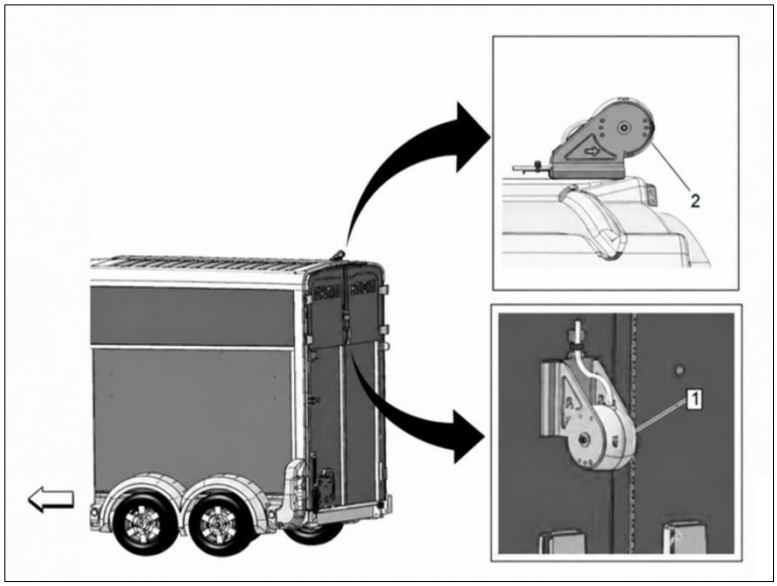


2.3 Rear Trailer Camera Mounting Options

Option 1: Rear Wall Mounted (1)

Option 2: Roof Mounted (2)

Note: Advanced Viewing Features require the camera to be mounted on the rear wall within specific target area



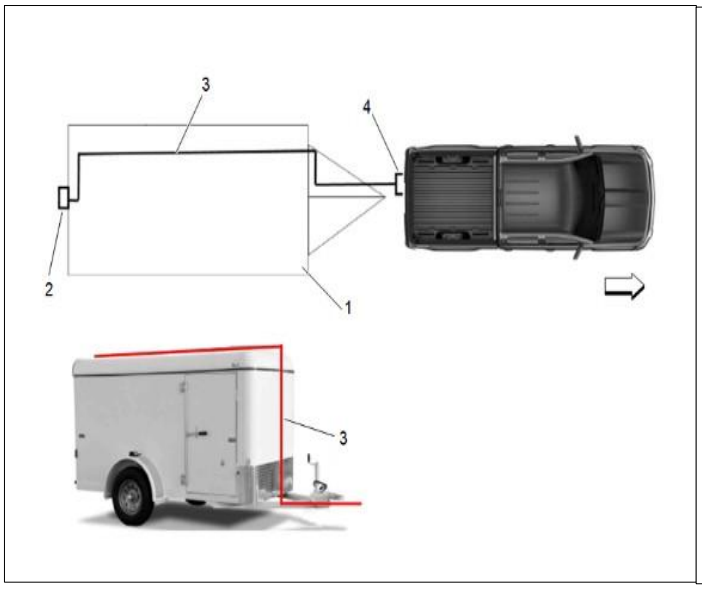
2.4 Harness Route Options

The preferred route for the harness (3) is, starting from the connector to the trailer hitch (4), pass over the A-Frame, route either to the top or to the side of the trailer (1), then around the back to the desired camera (2) mounting point.

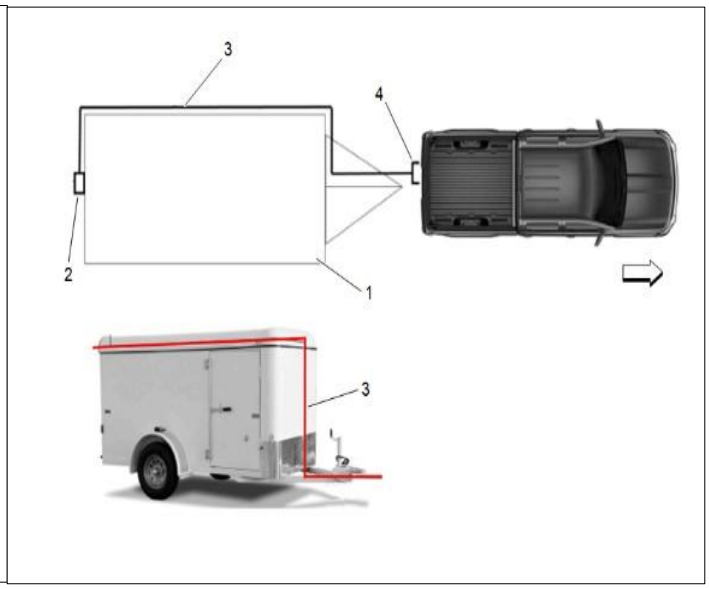
Exercise caution when routing the harness beneath the trailer to minimize the risk of damage.

The following illustrations provide an overview of two options for routing the harness.

Option 1: Route on the roof of the trailer



Option 2: Route on the side of the trailer.



2.5 Guidelines for Routing the Harness

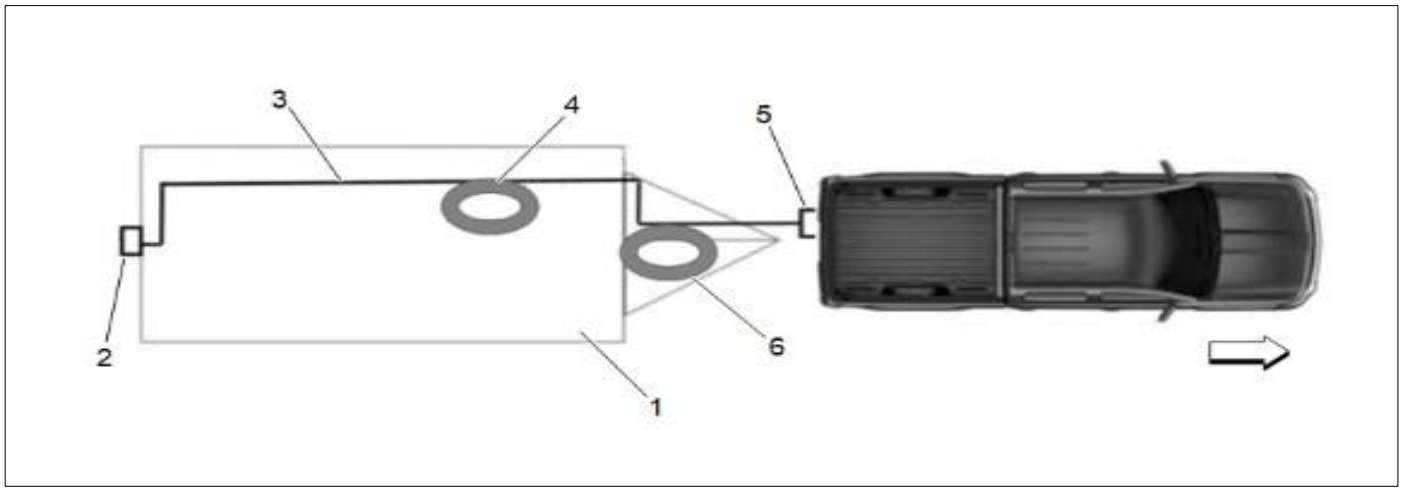
Observe the following precautions when routing the harness on the trailer:

- **Do NOT cut the harness to make is shorter. The connectors are not made to be removed and reinstalled.**
- Exercise caution when routing the harness beneath the trailer to minimize the risk of damage.
- Do not route the harness by sharp edges or moving parts that may damage the harness.
- Do not twist the harness or make any sharp bends (90 degree) in the harness that may compromise the wire integrity.
- Provide enough slack for the connection to the vehicle, allowing for maximum turning angles between the truck and trailer.
- Bundle and secure any excess wires with the large tie straps.
- Evenly space the adhesive clip bases along the harness route.
- Recommended best practice is to secure the harness every 8 inches (200 mm) to reduce risk of damage. Additional adhesive clips and tie straps may need to be purchased for larger trailers.

2.6 Harness Route Preparation

1. Uncoil the harness as much as possible to minimize the amount of twisting as it is routed on the trailer. Note that there are 2 velcro straps holding the cable together. Keep these for use later; they will be used to store the length of cable from the trailer hitch connector when the trailer is in storage.

2. Determine the desired route (refer to Harness Route Options section)



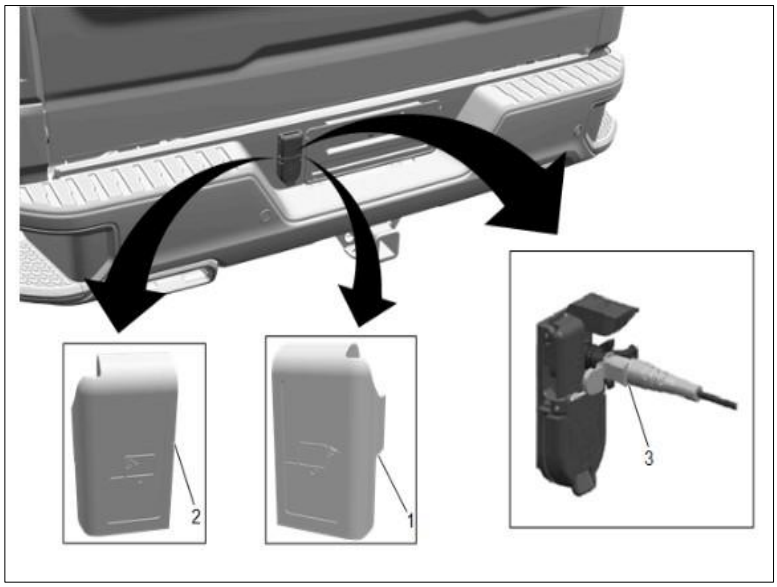
3. Lay out the harness (3) along the trailer (1), from the trailer hitch connection (5) to the desired camera location (2), to ensure adequate length.

4. If there is excess cable length, coil it up and look for a spot to secure it out of the way. A couple suggestions would be on top of the trailer (4) or on the front A-Frame (6).

Note: Do NOT cut the harness to make it shorter. The connectors are not made to be removed and reinstalled.

5. Connect the trailer hitch connector on the harness to the trailer hitch port on the vehicle.

- Rear Trailer Camera in the upper right port.
- Interior Trailer Camera in the upper left port.



Note: Make sure your vehicle is OFF when plugging in the Rear or Interior Trailer Camera (3).

Note The cameras will not function unless the 7-way trailer connector is also plugged in.

2.7 Procedure

1. Determine the desired location of the camera.

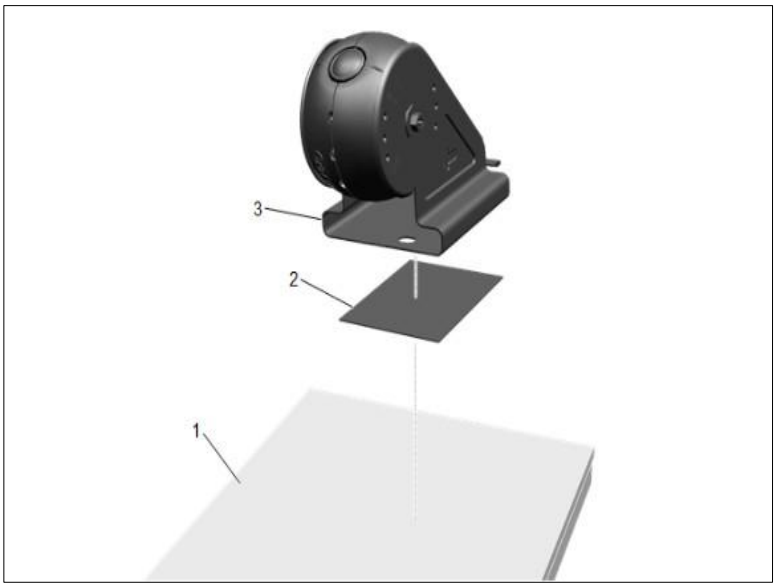
Note: Advanced Viewing Features require the camera to be mounted on the rear wall within specific target area See Sec 2.8 Advanced Viewing Features Mounting Location for mounting details.

2. Clean the bracket and area where you want to install the camera using an Isopropyl alcohol solution with a lint free cloth and allow it to dry completely.

3. Use the included double-sided **temporary** tape (2) (clear liner on clear tape) to secure the camera (3) to the trailer (1) so the camera can be repositioned until the final location is determined:

   3.1. Apply face side adhesive (non-liner side) of tape to the bracket utilizing firm hand pressure.

   3.2. Remove liner from bracket tape, apply bracket to mounting surface utilizing firm hand pressure.



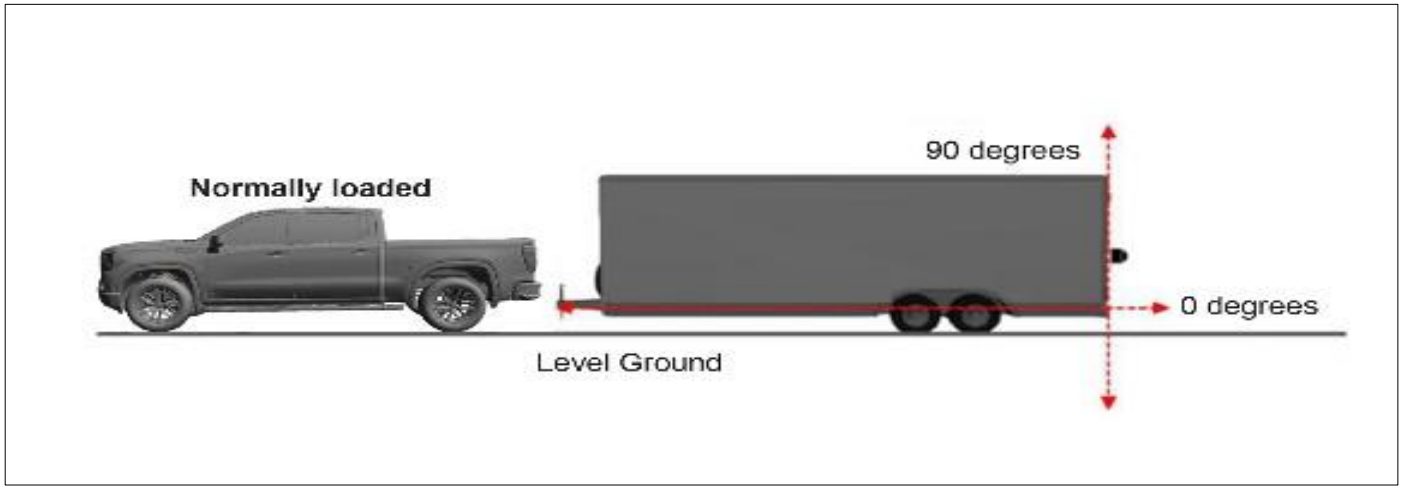
Note: Camera must be installed with included bolts to ensure secure attachment to trailer

2.8 Advanced Viewing Features Mounting Location

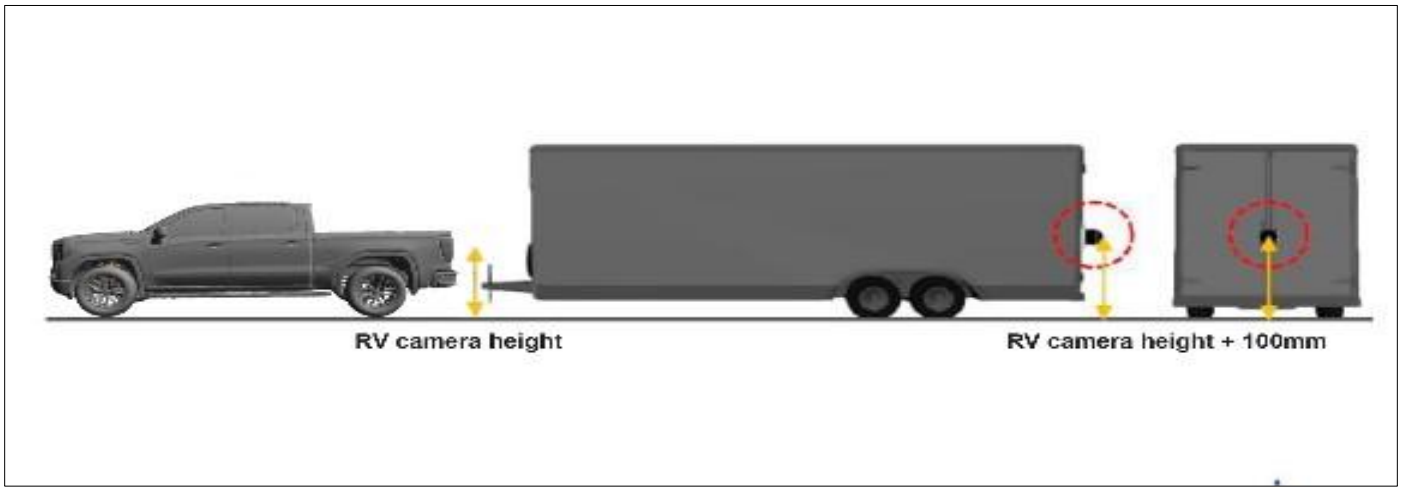
2.8.1 Ideal Camera Lens Position

The ideal position for the Rear Trailer Camera **lens** is along the center line of the trailer, 100 mm (4”) higher than the vehicle’s rear-view camera. The Trailer Camera should be placed such that the lens is within a target area around the ideal position. This target area is 200 mm (8") in any direction of the ideal position of the camera lens.

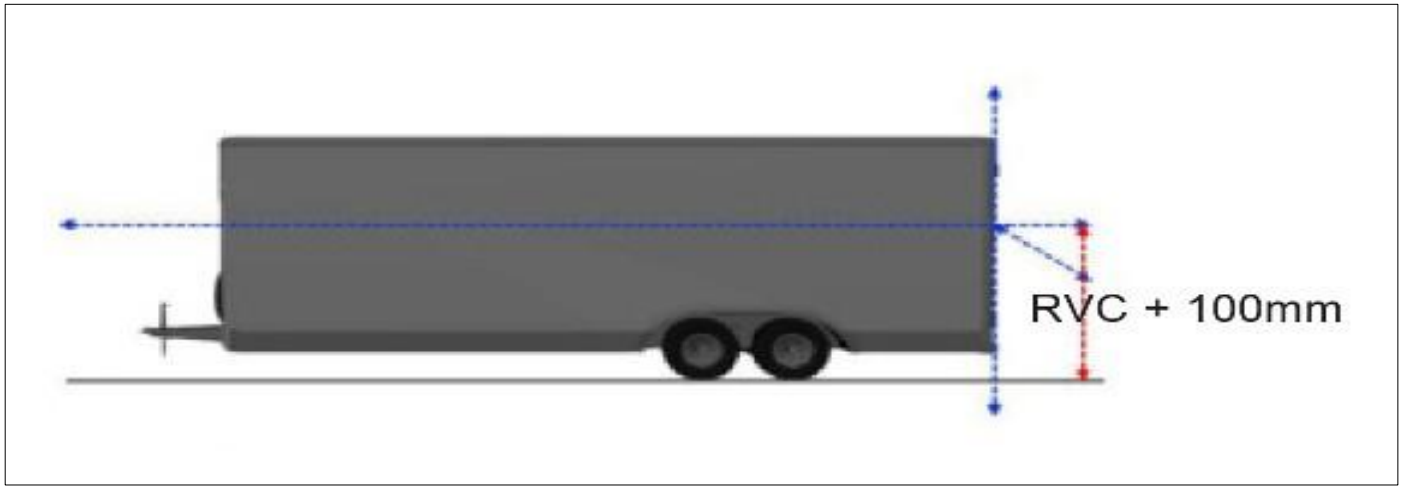
2.8.2 Procedure to Find the Ideal Camera Lens Position



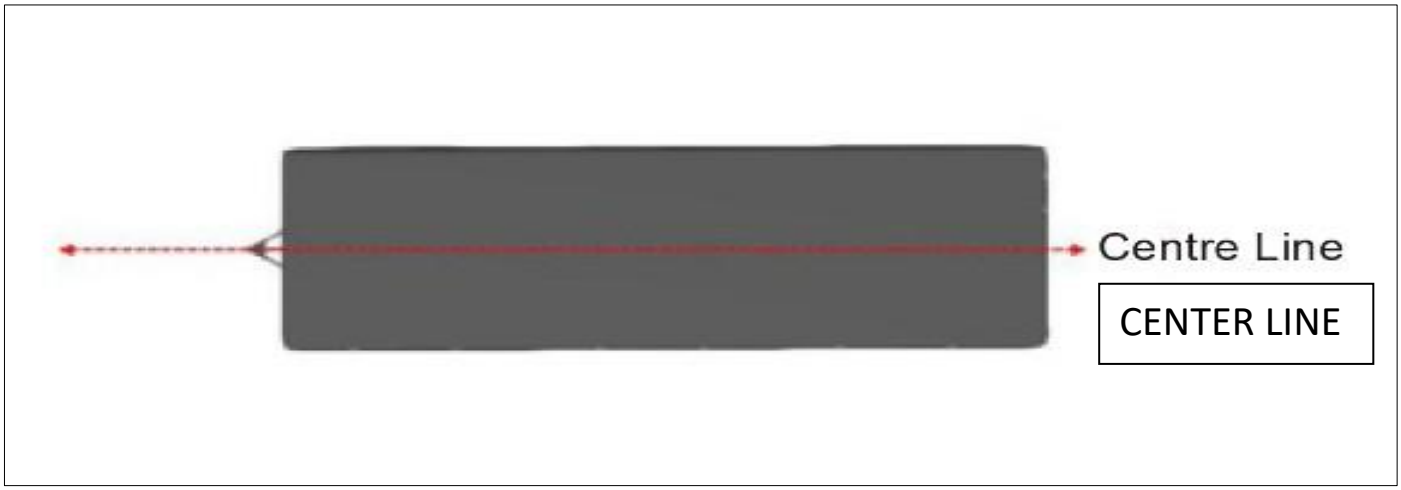
1. Ensure the vehicle and trailer are flat and level while setting up the Rear Trailer Camera. If the trailer does not have a flat surface, the camera may be adjusted to compensate (details further in this section.)



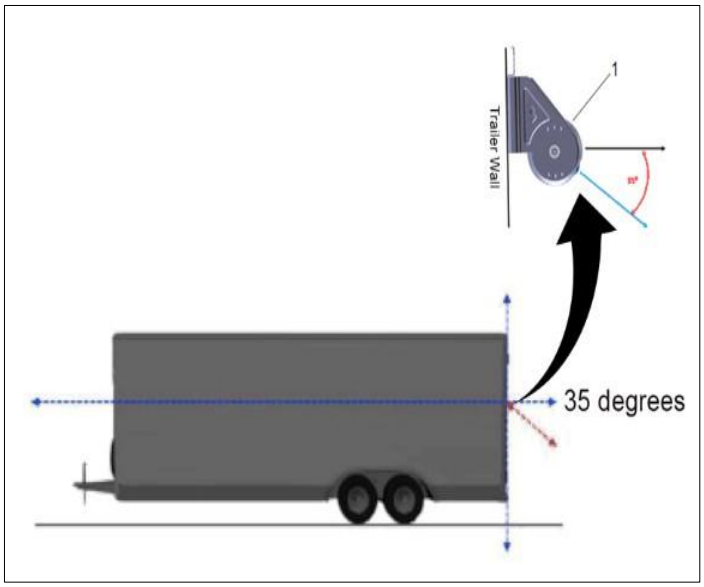
2. Measure the height of the vehicle's rear-view (RV) camera from the ground to the center of the camera lens.

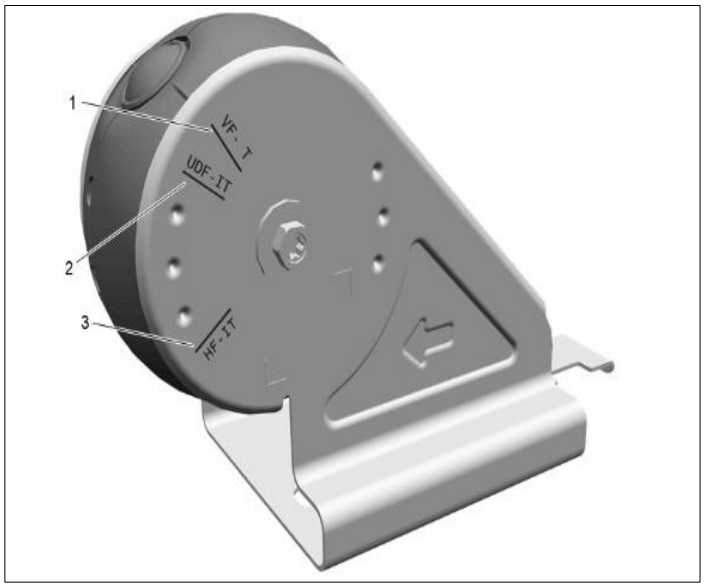


3. The height for the ideal position for the Rear Trailer Camera (RVC) is the rear-view camera height measured in step 1 plus 100 mm (4"). This measurement should be from the ground to center of the Trailer Camera lens.



4. Find the centerline of the trailer.



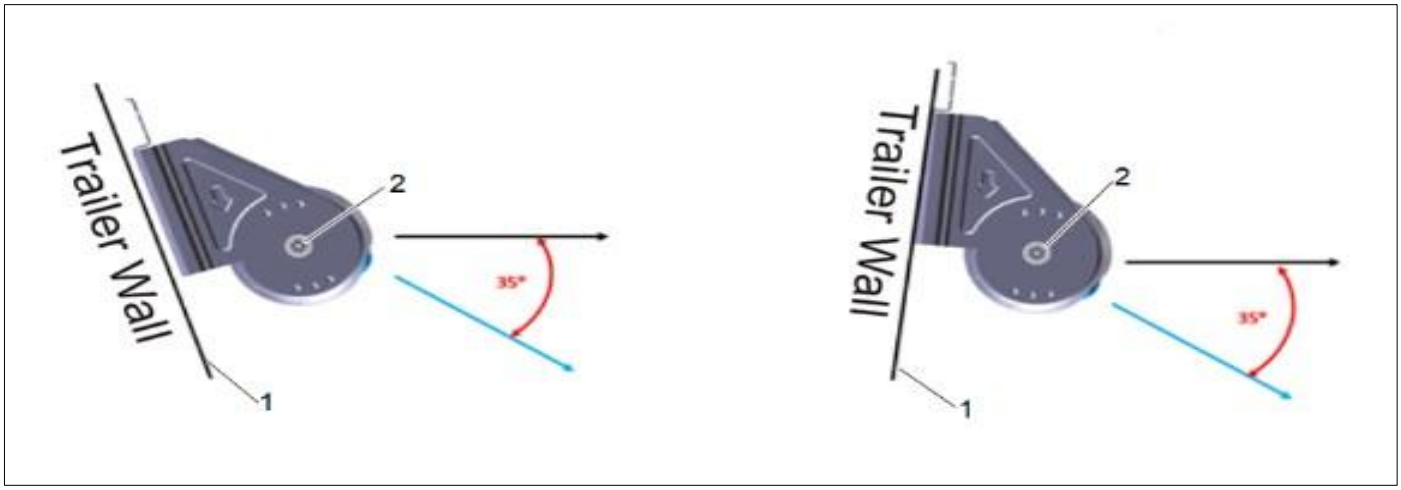


5. Ensure the camera lens is angled 35 degrees downward from the horizontal. The bracket has identifiers for the 35-degree positions on a perfectly vertical or horizontal wall for identifying positions for **Advanced Viewing Features**.

   5.1. **VF-IT** (1) Vertical Fix (**Advanced Viewing Features** position for a vertical wall).

   5.2. **HF-IT** (3) Horizontal Fix (**Advanced Viewing Features** position for a horizontal wall).

   5.3. **UDF-IT** (2) Upside Down Fix (**Advanced Viewing Features** position for a ceiling.



6. If the trailer wall (1) is not vertical or horizontal the camera must be adjusted so that the camera is angled 35 degrees downward from the horizontal. The housing has indents in 5 degree increments to help angle the camera. To make this adjustment:

   6.1. Loosen the side screws (2)

   6.2. Turn the plastic housing to the closest indent to 35 degrees from horizontal.

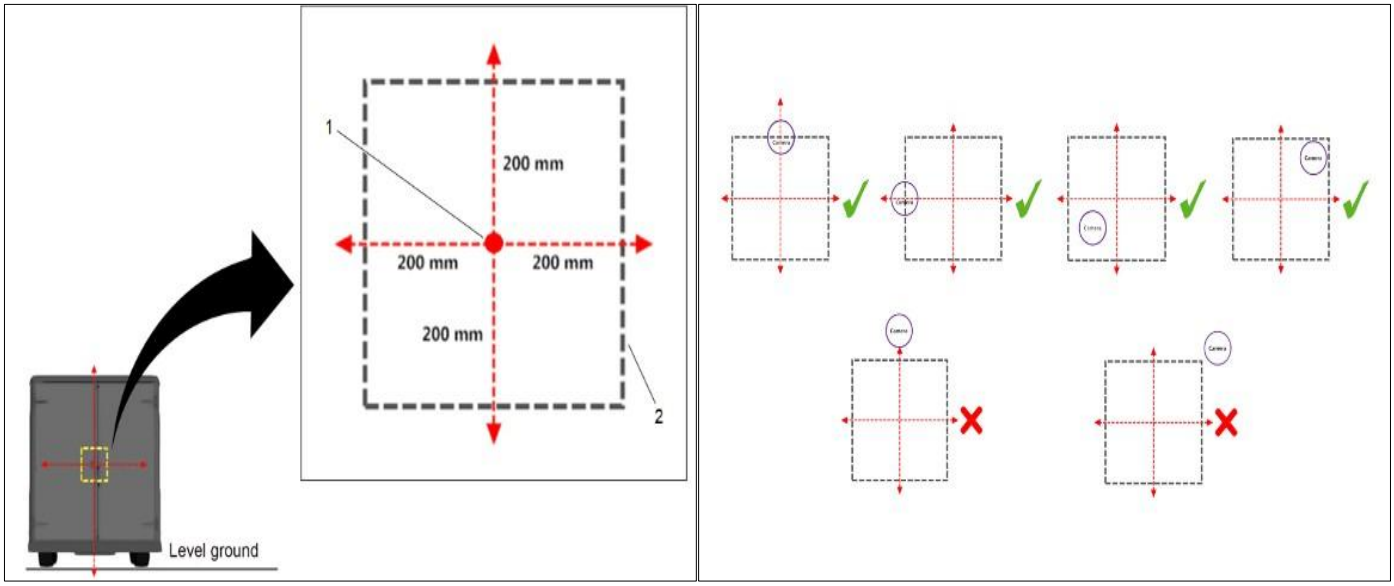
   6.3. Resecure the side screws (2)

7. The Rear Trailer Camera must be installed square to the rear surface of the trailer (i.e. the camera cannot be rotated clockwise or counterclockwise when viewed straight on).

8. The Rear Trailer Camera must be installed on a flat surface such that it is not angled (yaw) to the left or right (i.e. The camera should be looking straight out (square to the trailer) along the centerline of the trailer).

2.8.3 Target Area

The target area (2) is 200 mm (8") in any direction of the ideal position of the camera lens (1).



Example correct and incorrect camera lens placements

2.9 Advanced Viewing Features Set Up

1. Key on the vehicle and select the **Trailer App** via the home screen and follow the prompts.
   a. The prompts will help complete a trailer profile. This requires the user to input measured trailer dimensions and other information about the trailer into the app. Once this has been completed the user will follow the steps within the **Trailer App** to complete the calibration/alignment process (calibration/ alignment requires the user to drive forward with the trailer). Status will be indicated to the user within the **Trailer App**. Once a successful calibration/alignment has been completed the user may proceed to mounting the Rear Trailer Camera permanently. While in the **Trailer App** the user may also request camera previews to visually assess positioning, etc.

Note: Temporarily secure the harness before driving with the trailer during the calibration process.

Common root causes of calibration failures:

- Obstructions to Rear View Camera or Trailer Camera such as bike racks, spare tires, or additional propane tanks, either mounted on the trailer A-frame (between the truck and trailer) or positioned directly behind the trailer camera
- Low-Light conditions
- Dark Shadows
- Certain pavement textures

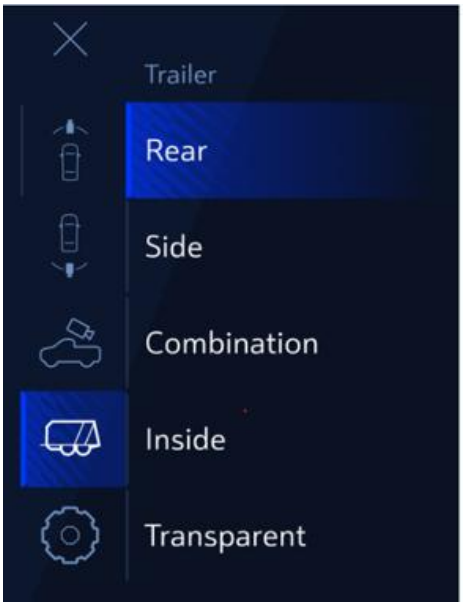
2.10 Test the View of the Camera

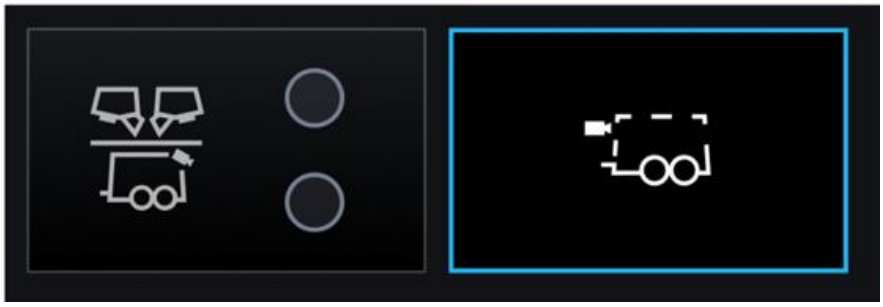
1. Key on the vehicle and select the **Camera App** on the display.

a. The Rear Trailer Camera and Trailer Interior Camera views are accessed within the Camera App as shown below (Images and icons vary by vehicle type and may differ from those shown).

Note: When no Trailer Camera is connected, a "No accessory camera found" message will be displayed.

Note: The Interior Trailer Camera can be previewed from within the **Trailer App** by selecting the Interior Trailer Preview soft button once the camera has been connected.



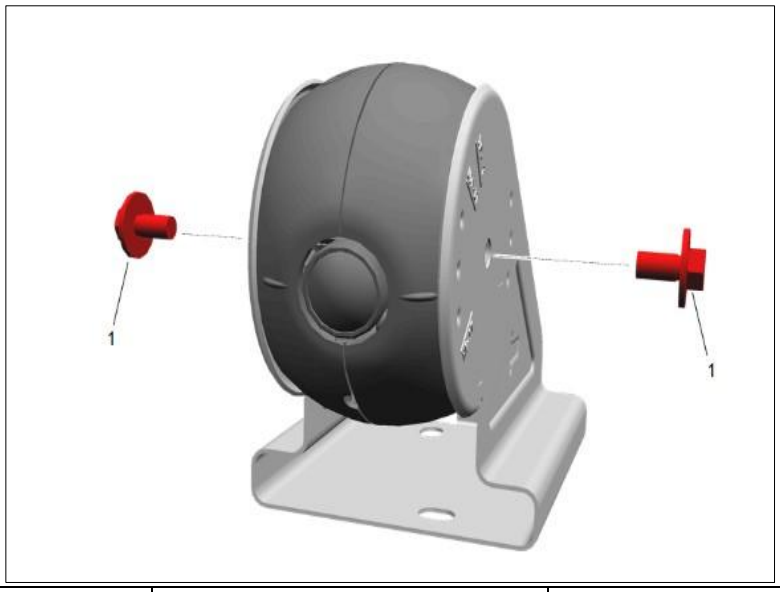


2. Determine if the view from the camera is desirable.

2.1. Camera may require reangling or rotating in the housing or selection of a new position.

Note: If mounting the Trailer Camera on the ceiling inside the trailer, the camera housing may need to be removed from the bracket and flipped 180 degrees and replaced back in the bracket to invert the image on the screen properly.

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 to avoid damage to parts and systems.



3. (Optional) Adjust the angle of the camera

3.1. Loosen the screws (1) on the side of the camera assembly with an 8mm wrench

3.2. Adjust the camera angle

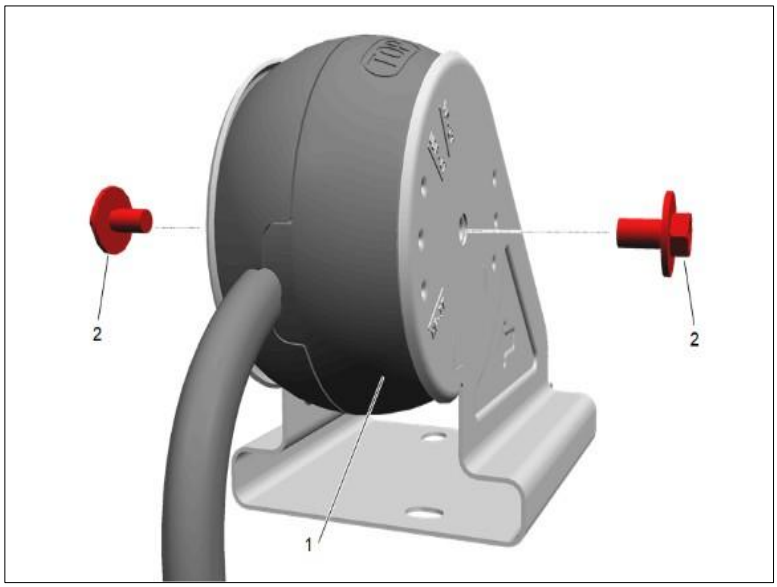
3.3. Retighten the screws

4. (Optional for Inverted Image) Rotate the camera:

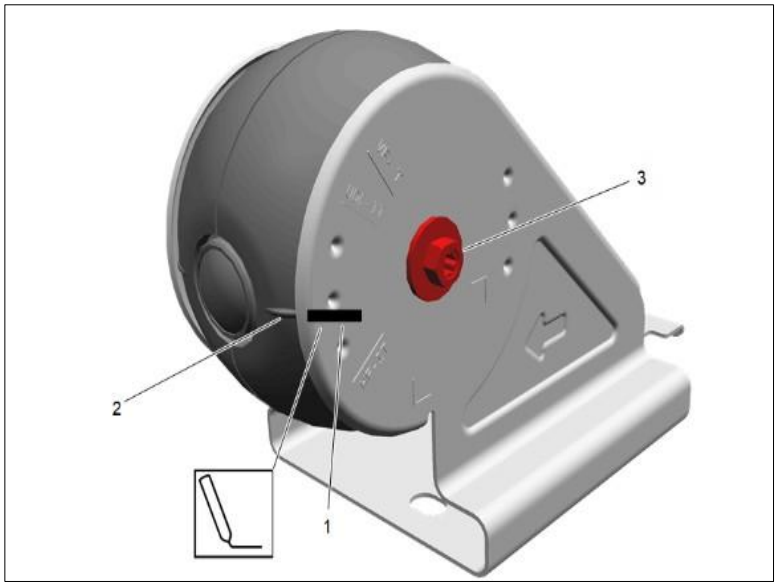
   4.1. Remove the screws (2) on the side of the camera assembly with an 8mm wrench.

   4.2. Rotate the housing (1) 180 degrees

   4.3. Reinstall the screws.



5. Outline the final mounting area with a temporary marker or pencil.
6. Also mark where the camera (2) is positioned in the bracket (1) and remove the camera from the bracket by removing the two M5 screws (3) on the sides with an 8 mm wrench.
7. Remove temporary tape from bracket using finger pressure to roll adhesive off the bracket. Any residue can be cleaned off with 3M Prep Solvent 70 or similar adhesive remover.
8. Clean surfaces using an isopropyl alcohol solution with a lint free cloth and allow to dry completely.
9. Replace the bracket in the final mounting area and mark the openings where the bolts will be inserted.

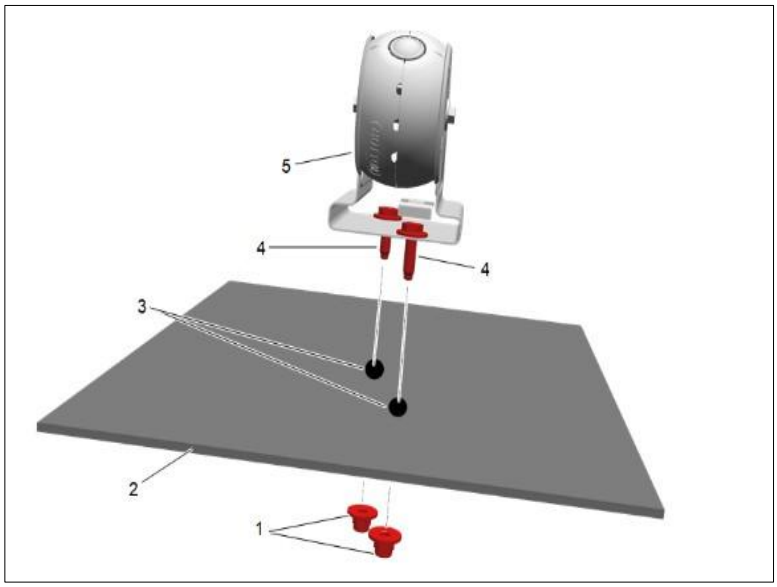


3 Permanently Mount the Camera

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

1. Move the camera away from the mounting area markings and drill the two 6.6 mm holes (3) for the bolts.

Note: Holes may be between 6.6 and 7.0 mm (17/64” to 9/32”).



2. Place the two M6 bolts (4) through the camera bracket and through the holes (3) in the trailer (2).

3. Install the nuts (1) on the inside of the trailer (2), tighten and secure the bracket to the trailer.

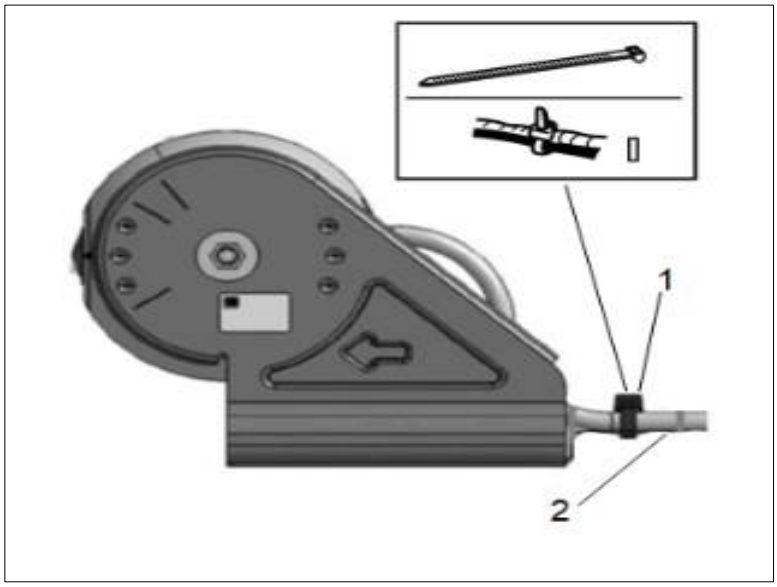
4. Reinstall the camera (5) on the bracket by lining up the camera lens with the marking on the bracket and secure with the two M5 screws.

5. Line the cable in the position that you would like to permanently route it from the camera to the trailer hitch connector.

6. If there is excess length, coil it where it can be secured safely (see Procedure for Routing the Harness section).

4 Route the Harness

4.1 Routing the Harness from the Camera Assembly



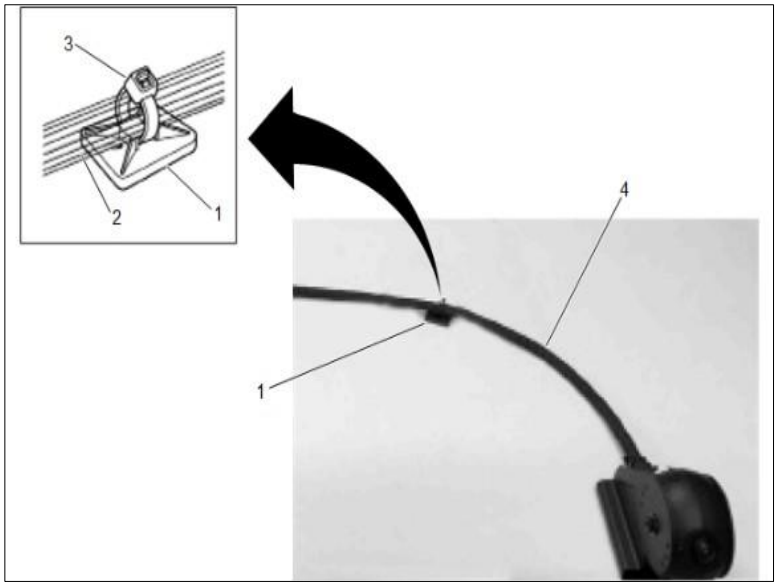
1. Using a small 7.5 inch tie strap (1), secure the harness (2) to the camera bracket making sure to keep a little slack from the camera housing to the tie strap.

2. Locate the first adhesive clip base (1) from the camera assembly so that the harness (4) has a smooth bend radius.

3. Clean the area of the first adhesive clip base using an isopropyl alcohol solution with a lint free cloth and allow to dry completely.

4. Peel the tape from the adhesive clip base and press it into the desired location.

5. Insert one 7.5 inch tie strap (3) through the adhesive clip base (1) and around the cable (2). Pull to tighten and cut off the excess length, leaving at least 3 ribs on the tie strap.



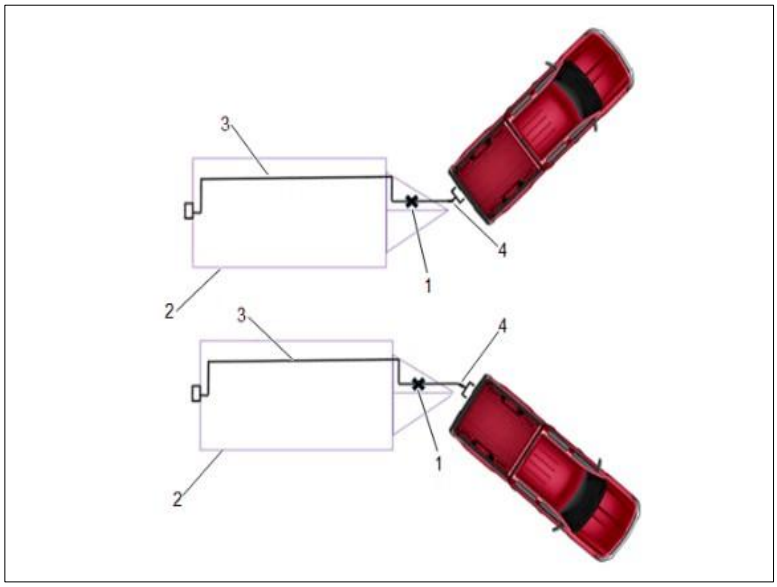
4.2 Routing the Harness from the Trailer Hitch Connection

1. Starting at the trailer hitch connection (4), route the cable (3) to the frame of the trailer leaving some slack for movement between the vehicle and trailer (2).

Note: Include enough slack to account for the worst-case turning situation.

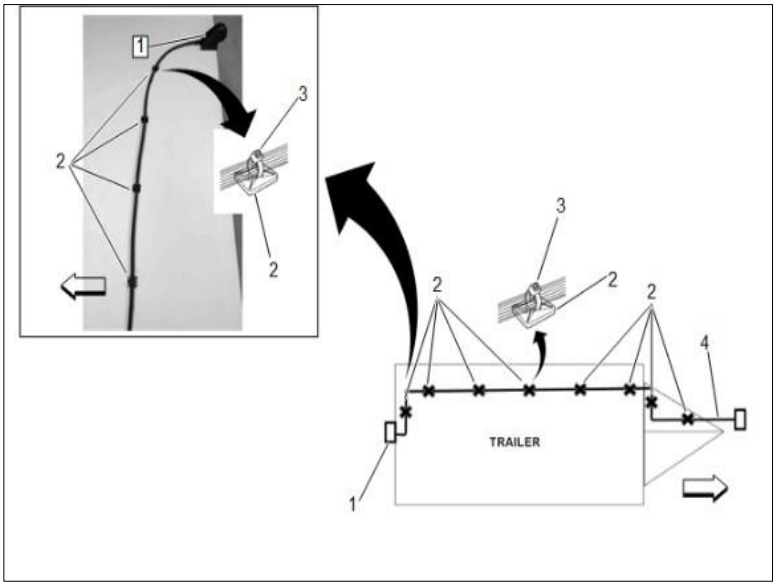
2. Locate a spot for the first adhesive clip base (1) from the trailer hitch connection (4). Clean the area of the first adhesive clip base (1) using an isopropyl alcohol solution with a lint free cloth and allow to dry completely.

3. Peel the tape from the adhesive clip base and press it into the desired location.



4. Insert one 7.5-inch tie strap through the adhesive clip base and around the cable (3). Pull to tighten and cut off the excess length, leaving at least 3 ribs on the tie strap.

4.3 Routing the Harness Around the Trailer



1. Straighten the harness (4) between the camera (1) and trailer hitch, leaving any extra slack in a spot safe to coil and secure it.

Note: Do not kink or fold the harness.

2. Take the adhesive clip bases (2) and evenly space them along the path of the cable (preferably less than 8" (200 mm) between clips).

Note: Additional adhesive clips and tie straps may need to be purchased for larger trailers.

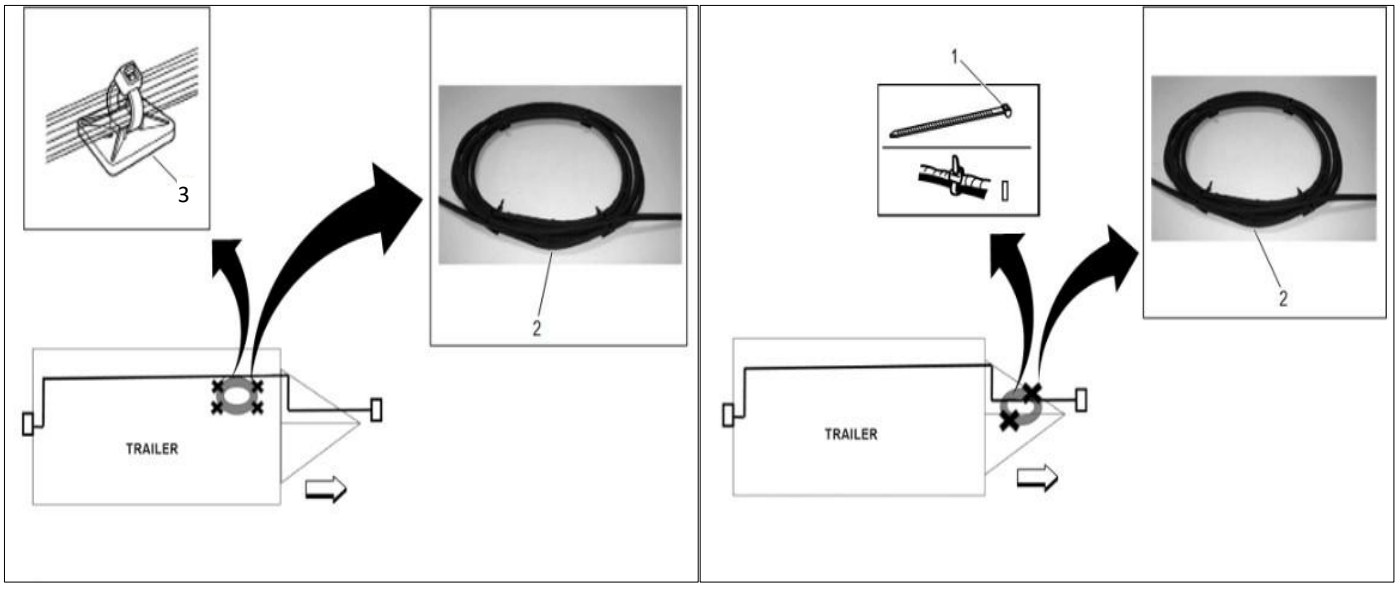
3. At each clip, clean the area using an isopropyl alcohol solution with a lint free cloth and allow to dry completely.

4. Peel the tape from the adhesive clip base and press it into the desired location.

5. Insert one 7.5 inch tie strap (3) through the adhesive clip base (2) and around the cable. Pull to tighten and cut off the excess length, leaving at least 3 ribs on the tie strap.

Note: Use extra clips close to corners, near moving parts, or in tight routing spaces.

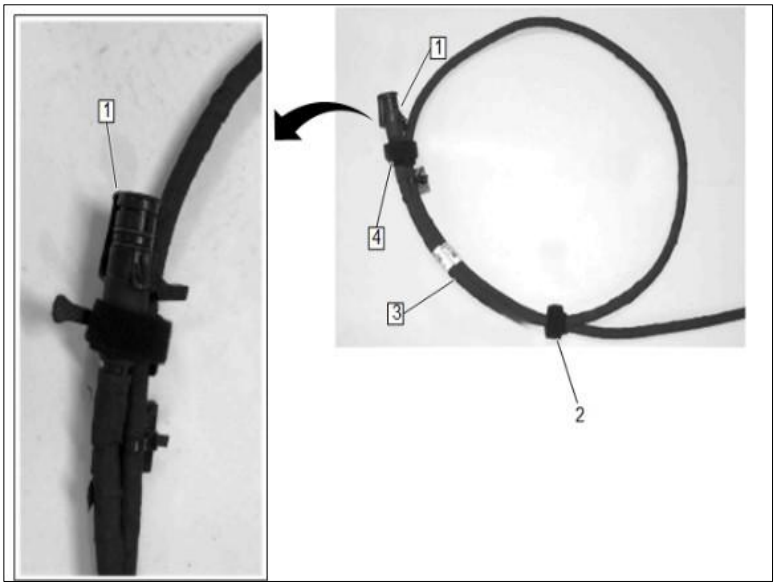
4.4 Securing Excess Harness Length



6. Ensure any excess length is coiled up (2) and look for a spot to secure it out of the way.

7. Use the large 28-inch tie straps(1) or adhesive clip bases (3) and the small tie straps to secure the coil together and to secure the coiled section to the trailer.

4.5 Securing the Harness When the Trailer Is Not in Use



1. Retrieve the two velcro straps that held the harness together in the packaging.
2. Disconnect the harness from the trailer hitch connection.
3. Clean and install the connector cap (1) on the end of the connector.
4. Coil the harness (3) on the frame of the trailer. Do not kink or fold the harness.
5. Locate a spot on the harness to secure the end of the cable (trailer hitch connector).
6. Add a velcro strap (4) on the harness and wrap it around the end of the cable.
7. Add the second velcro strap (2) to secure any other area that has extra slack in it.

Note: When storing the harness, do not coil it too tightly or make sharp bends (90 degree) such that it could compromise the wire integrity.

Troubleshooting

1. Make sure that the 7-way trailer connector is plugged into the trailer hitch connector on the vehicle. This will activate the trailer camera connections. Some vehicles must be in sleep mode before the camera image is recognized. To do this, turn the vehicle off, open and close the driver's door and wait up to 5 minutes. During this time, connect the 7-way trailer connector and the trailer camera connector (Rear, Interior or both).
2. Go to the **Trailer App** on your vehicle display and configure your trailer.
3. After configuring your trailer, if the **Trailer App** says that there is No Trailer Connected, then it is not recognizing the 7-way. Disconnect and reconnect it. You may have to put the vehicle into sleep for this. If the **Trailer App** says that there is a trailer, select the appropriate trailer configuration. After this, if there is a blank screen for the Rear or Interior Trailer Camera's, then there is a break in the line of coax cables. The most common problem is a disconnect between the camera and camera module in the vehicle.