

# UT-1200-SK-04



## **Suggested Tools:**

(2) Saw Horses

Standard Screwdriver

Phillips Screwdriver

Ratchet with 13/16", 9/16", 3/4" Sockets

Torque Wrench

7/16", 9/16", 3/4" Open End Wrench

Pliers

Wire Cutters

Square

Measuring Tape

Electrical Tape

Spray Lubricant

Utility Knife

(4) Wheel Chocks

Ladder

(2) "C" Clamps (for storage box)

Electric Drill (for storage box)

## **ASSEMBLY REQUIREMENTS**

Torque all T-bolt nuts to 35-40 foot pounds.

Check all lights before towing.

Tire pressure not to exceed recommendation on serial tag.

Re-torque wheel nuts after first 25 miles to 80 ft pounds and periodically thereafter.

Failure to follow the assembly instructions could result in serious injury or death.

Incorrect assembly or modifications to your trailer will void any specific or implied warranty.

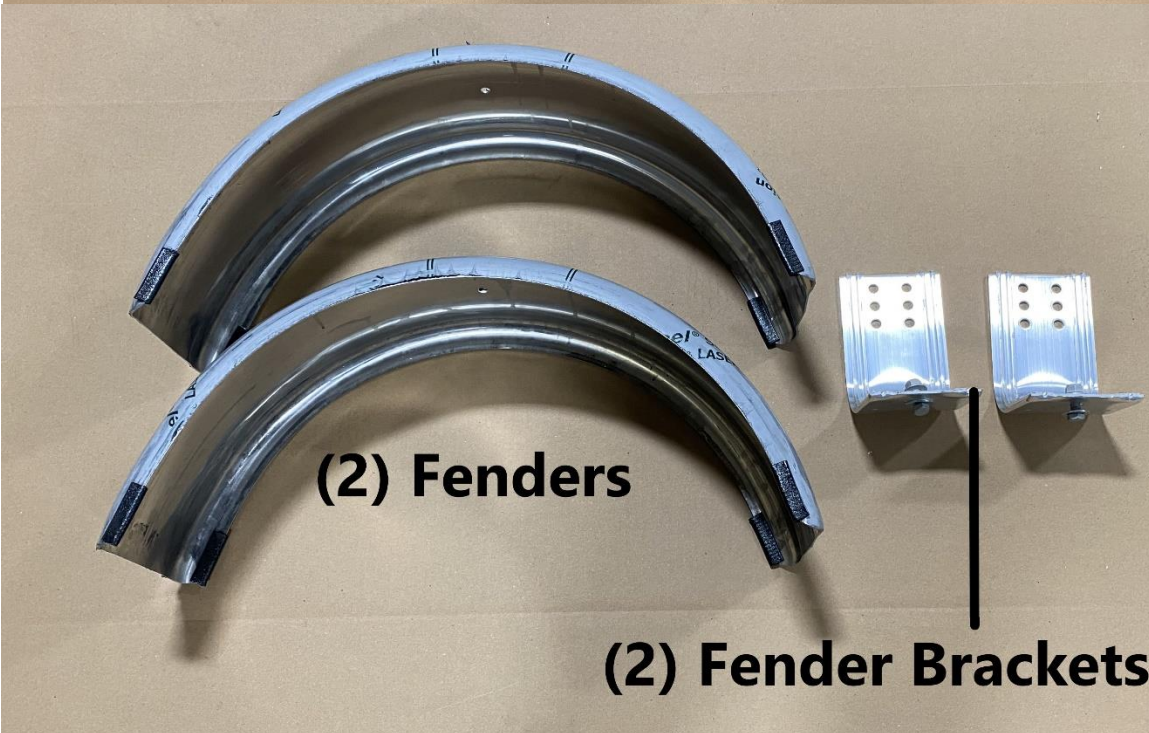
For questions or assistance assembling your trailer call 800-282-5042.



## UNPACK AND IDENTIFY THE FOLLOWING PARTS



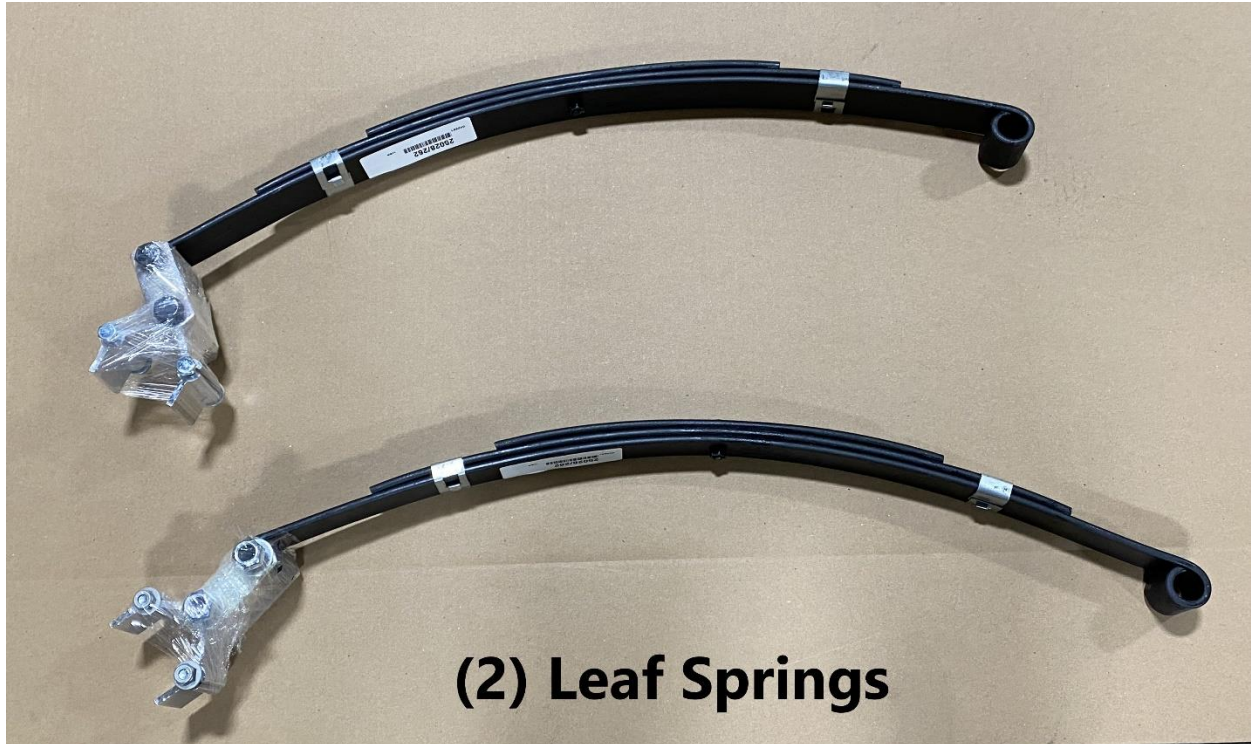
**(2) 12" Tires**



**(2) Fenders**

**(2) Fender Brackets**



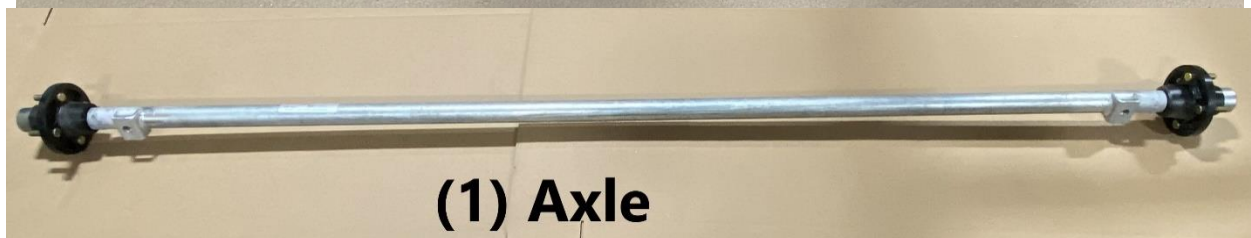


**(2) Leaf Springs**



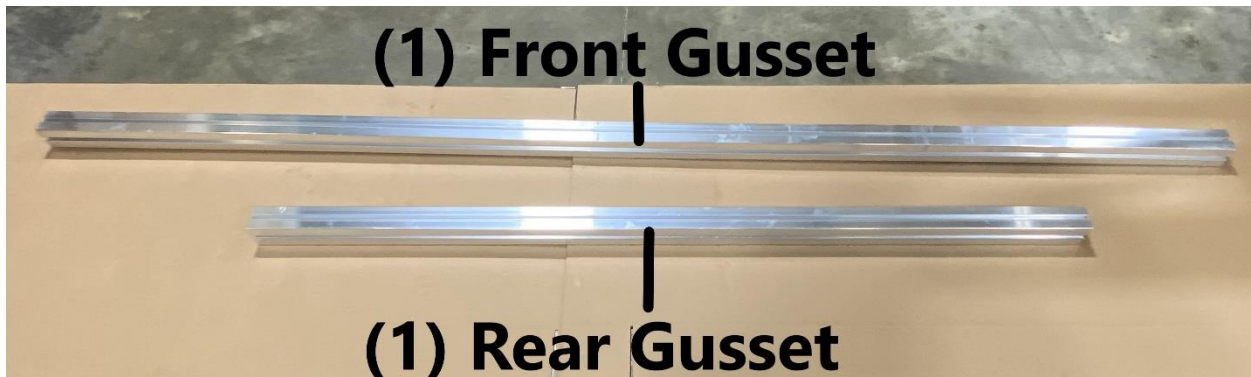
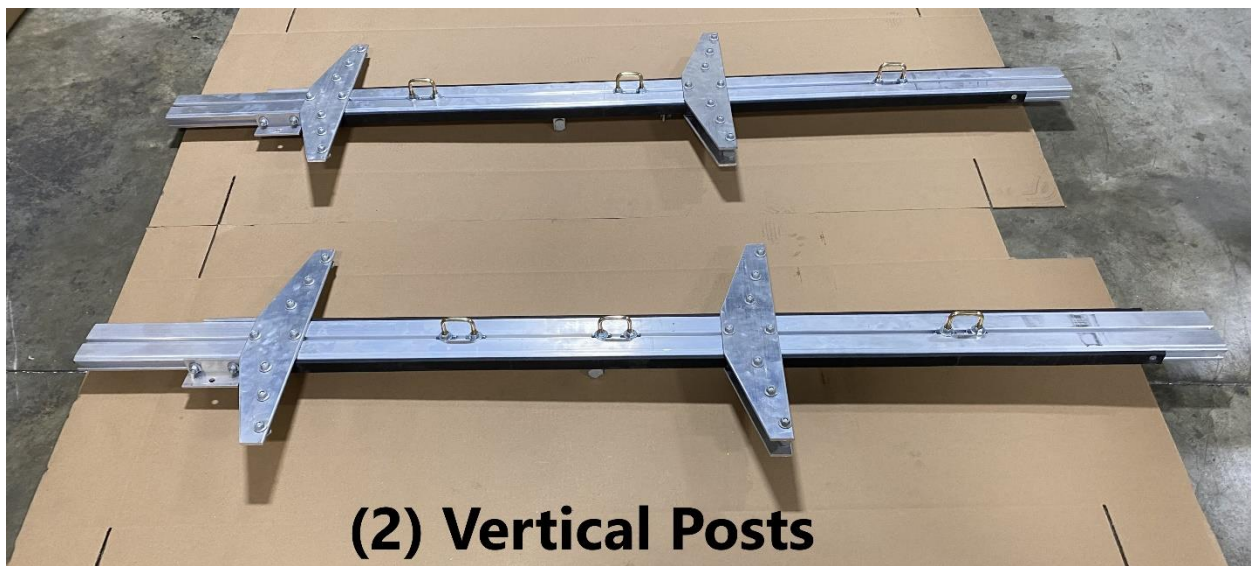
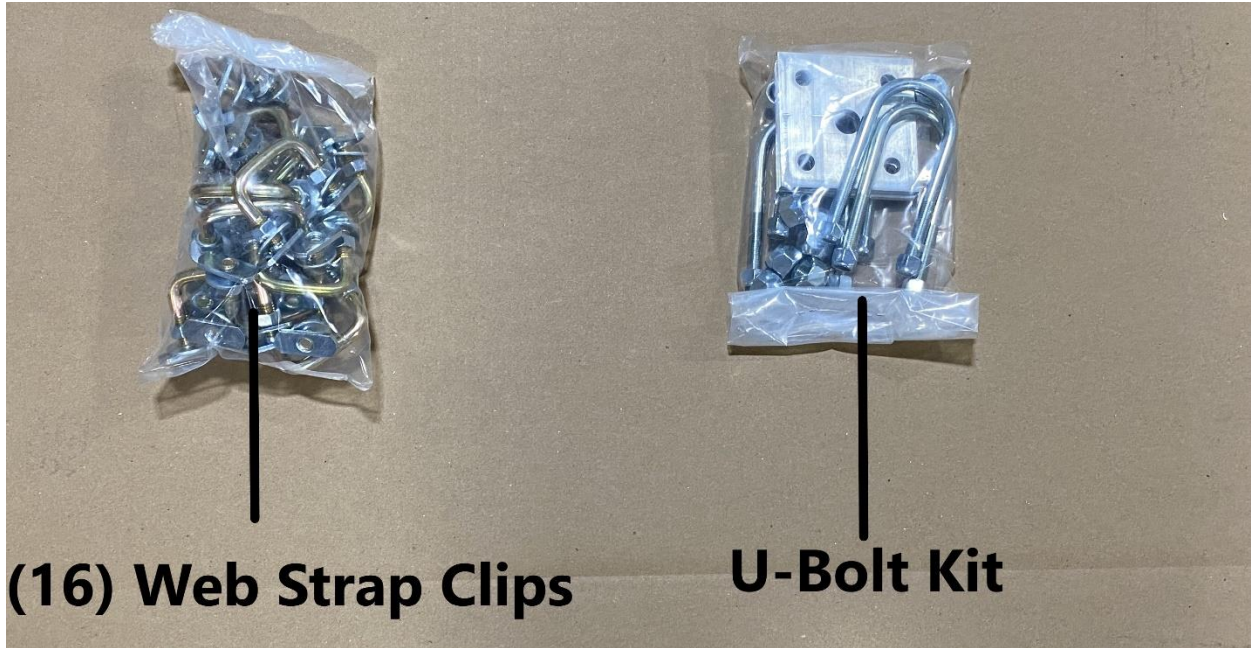
**Wiring Harness**

**Skid Bracket**



**(1) Axle**





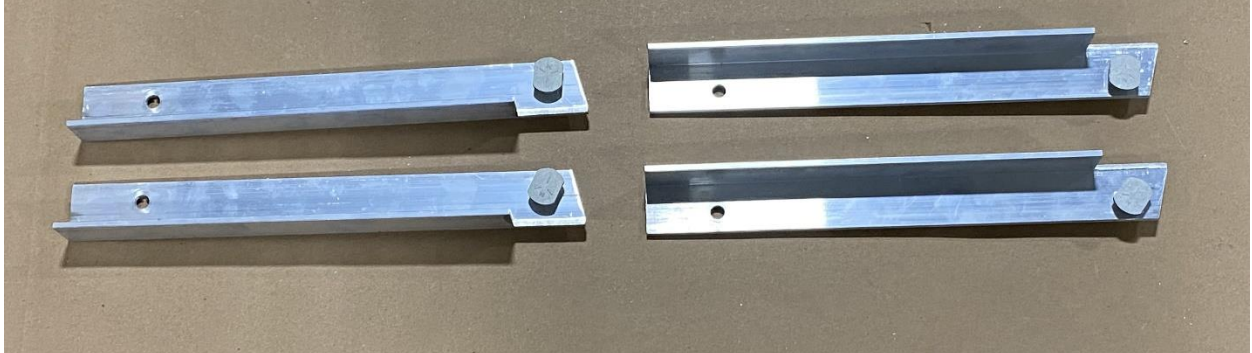




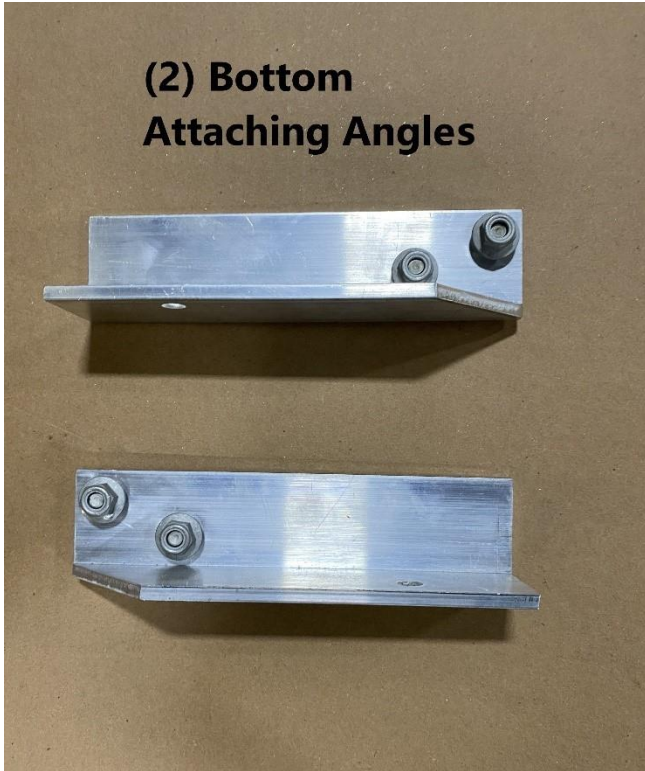
## **(8) Kayak Arm Assembly**



## **(4) V-Bar Support Brackets**



**(2) Bottom  
Attaching Angles**

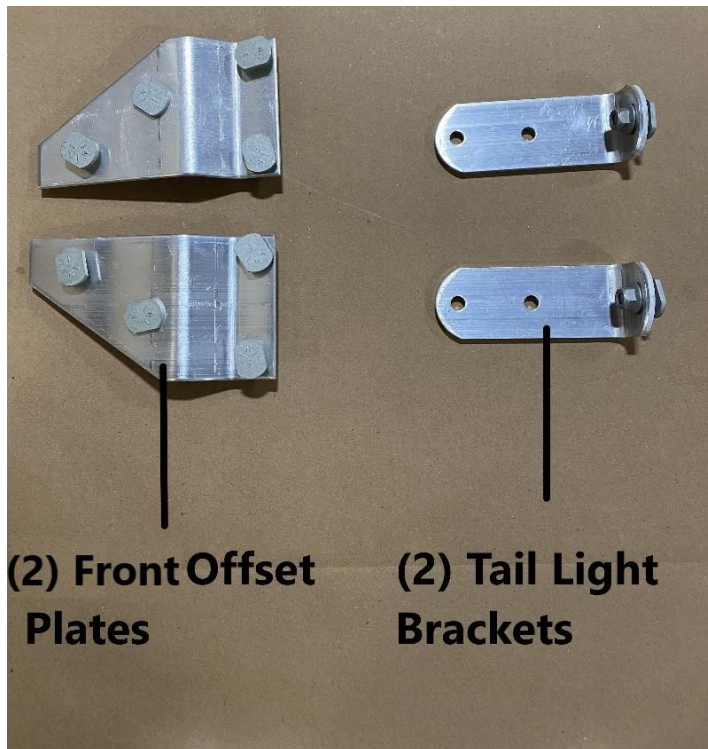


**(2) Bottom  
Attaching Plates**



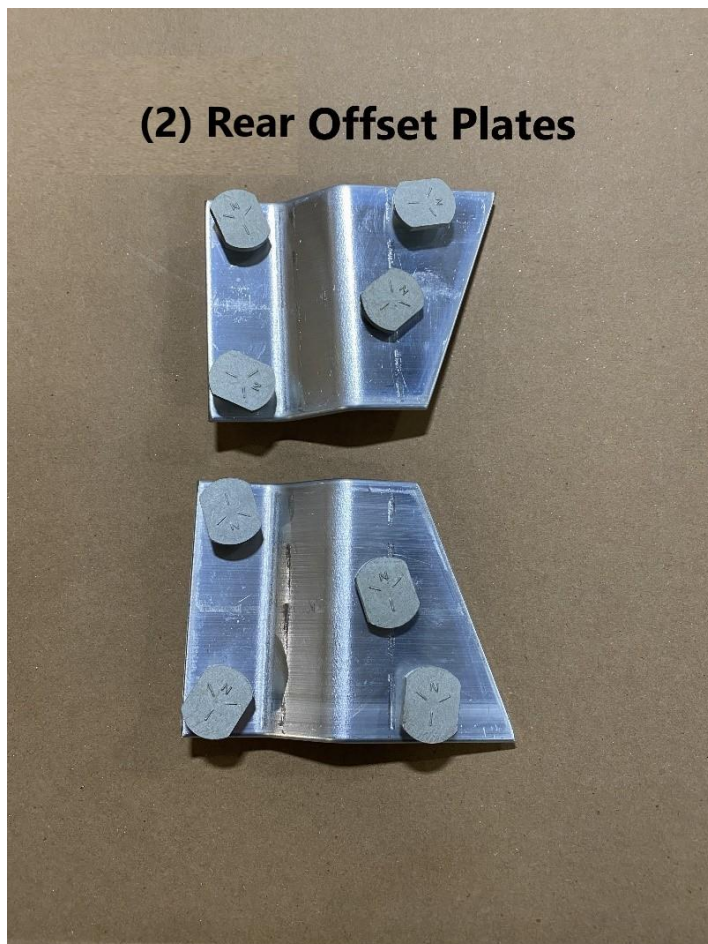
**(12) Trim Lock**





**(2) Front Offset  
Plates**

**(2) Tail Light  
Brackets**



**(2) Rear Offset Plates**



**Tongue Section**



**(2) Middle Crossmembers**



**Front Crossmember**

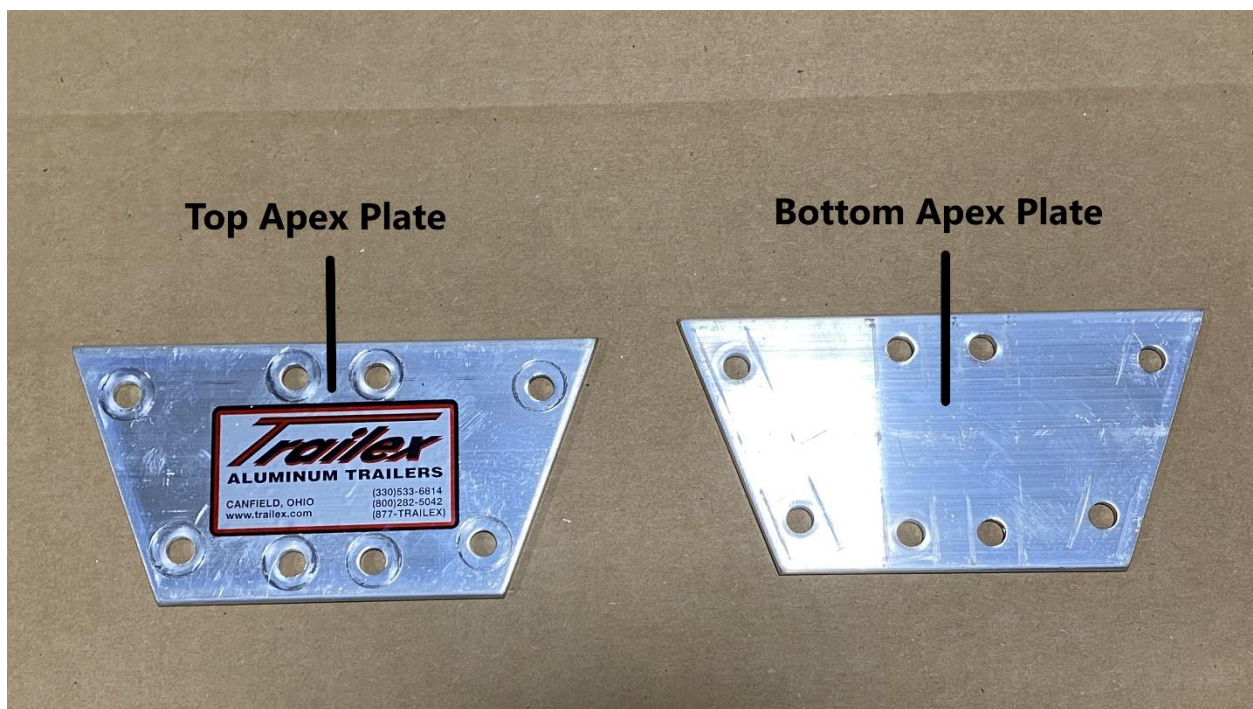
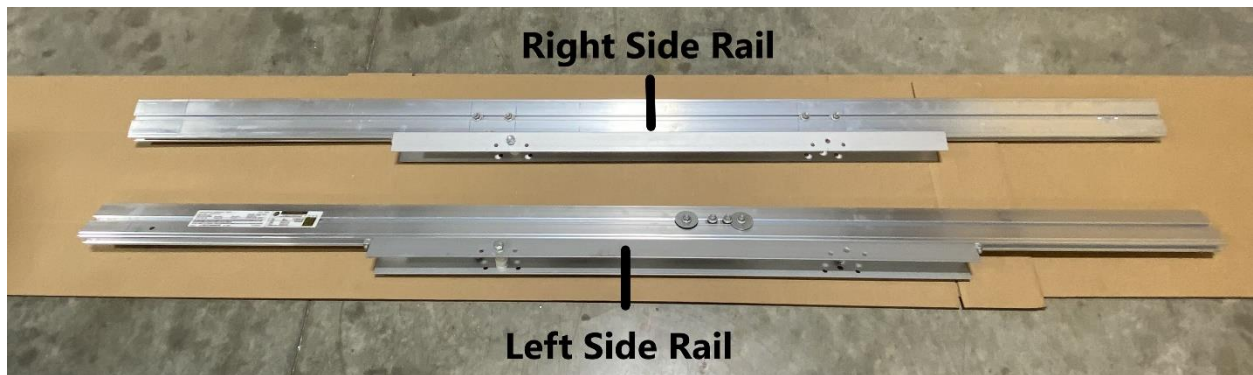


**Rear Crossmember**



**(2) Crossmember Supports**



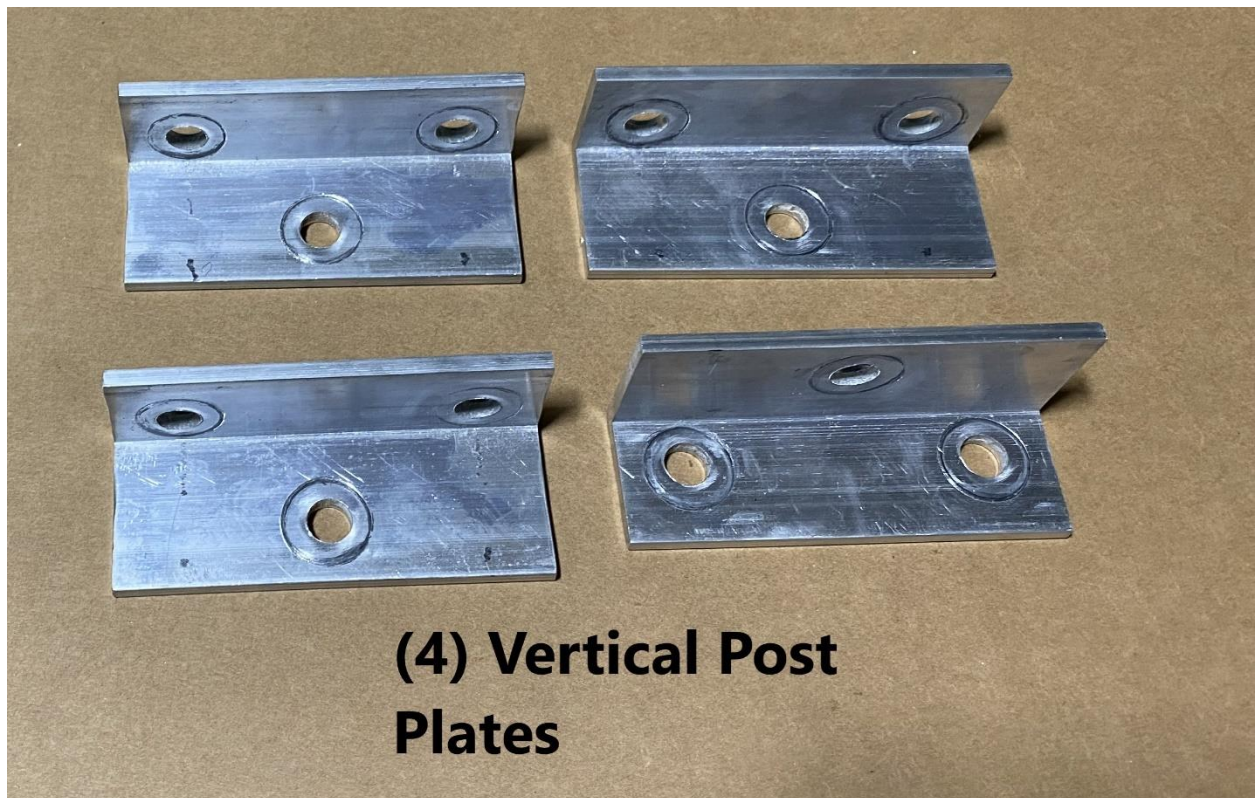






**(2) Elbow Plate**

**Hardware Bag**



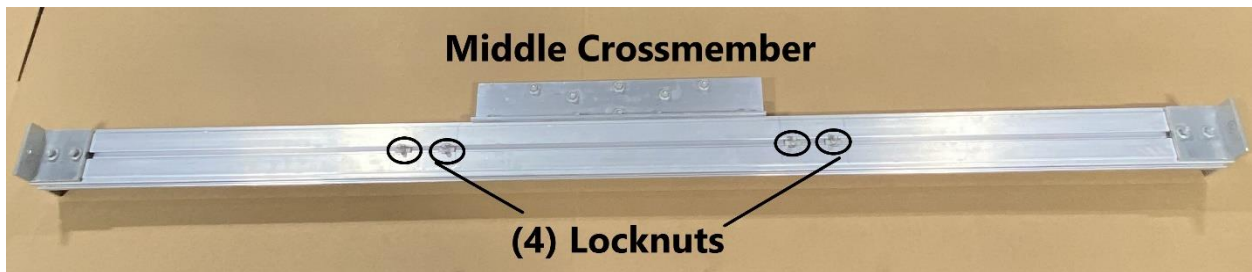
**(4) Vertical Post  
Plates**



# Assembly



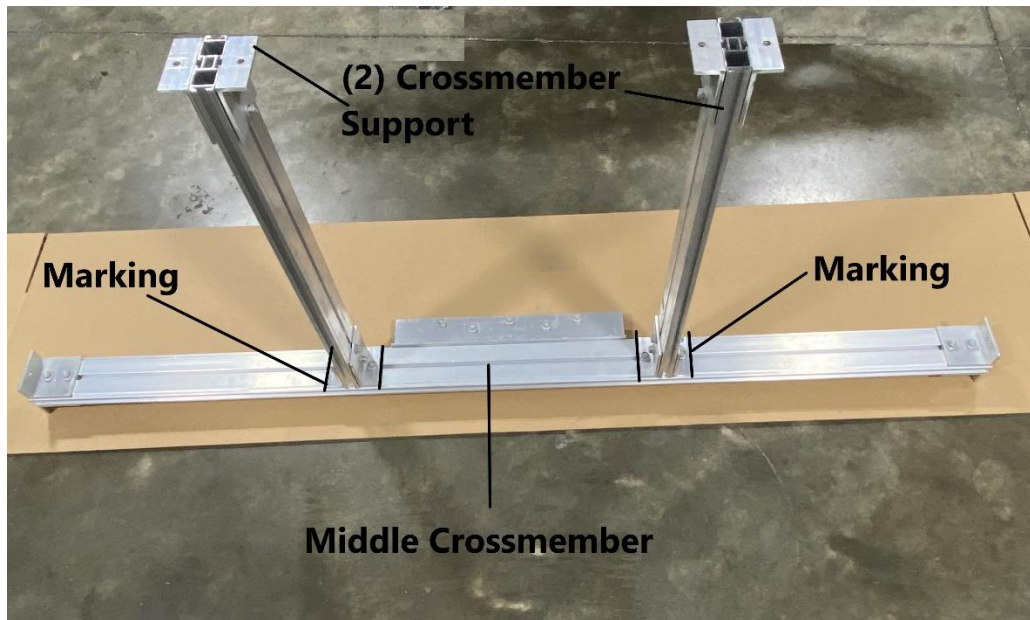
Locate the (2) middle crossmembers.



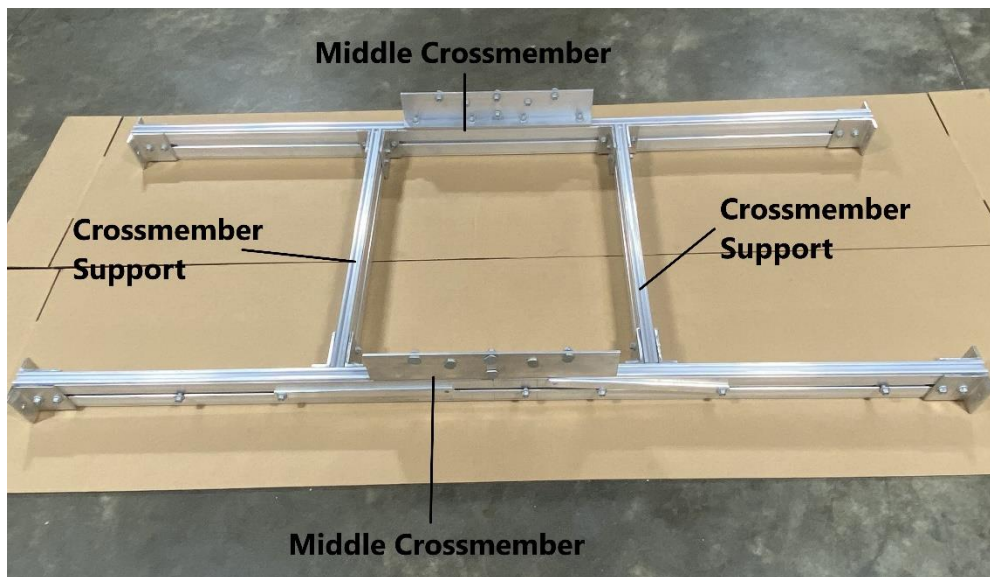
Remove (4) locknuts from each middle crossmember using a 9/16" wrench.



Locate the (2) crossmember supports.



Install the (2) crossmember supports to the middle crossmember as shown. Note the markings on the middle crossmember. These markings show the exact location the crossmember supports should be installed. Replace the locknuts and tighten with a 9/16" wrench.



Install the second middle crossmember to the crossmember supports as shown. Use the markings on the middle crossmember to install the crossmember supports. Replace the nuts and tighten using a 9/16" wrench. Place the assembly on (2) saw horses.





Locate the right side rail.



Remove the (4) locknuts from the right side rail.



Install the right side rail to the middle crossmember as shown. Replace the locknuts and tighten using a 9/16" wrench.



At this point the trailer will look like this.



Locate the left side rail.



Remove the (4) locknuts from the left side rail.





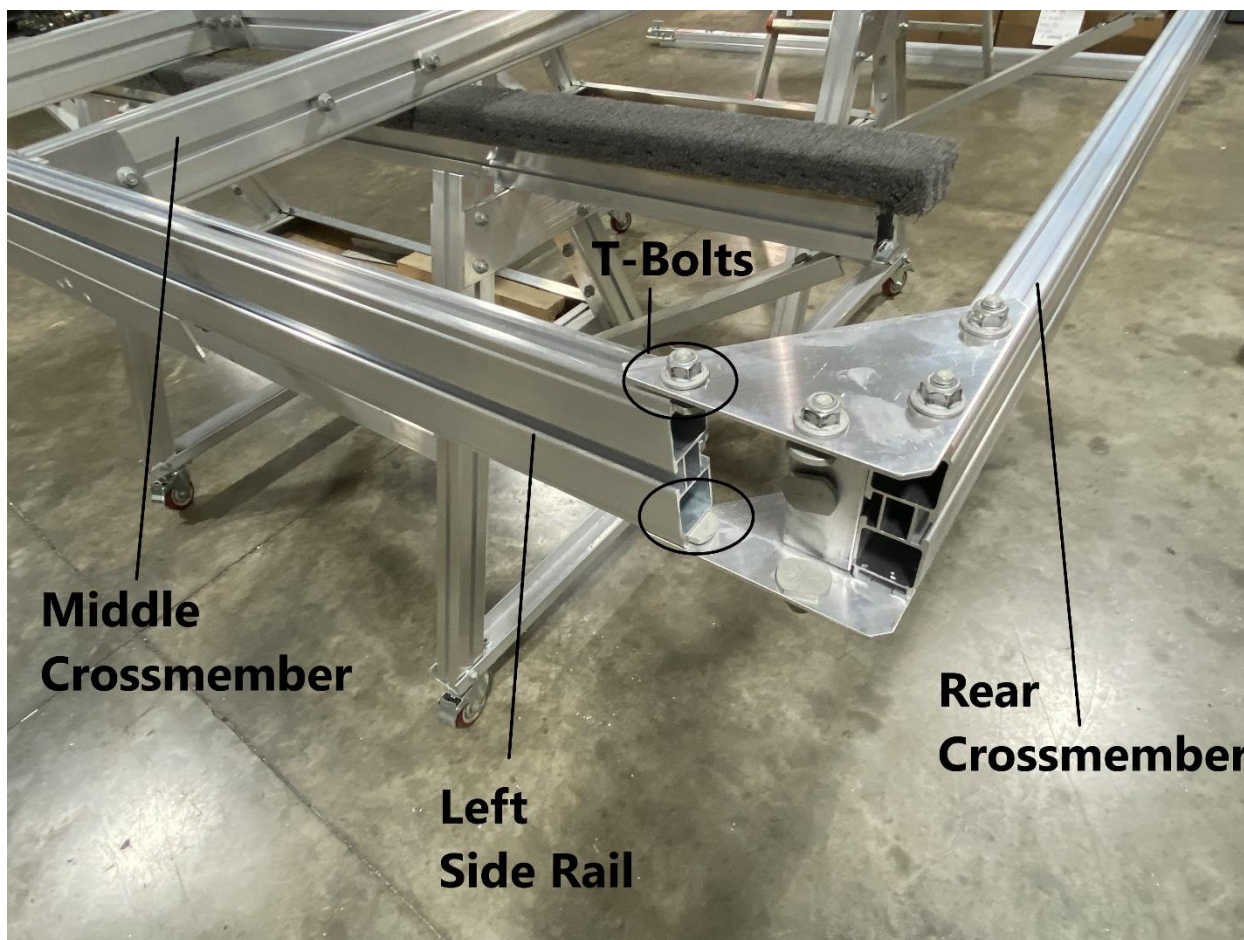
Install the left side rail to middle crossmember as shown. Replace the locknuts and tighten.



At this point the trailer will look like this.

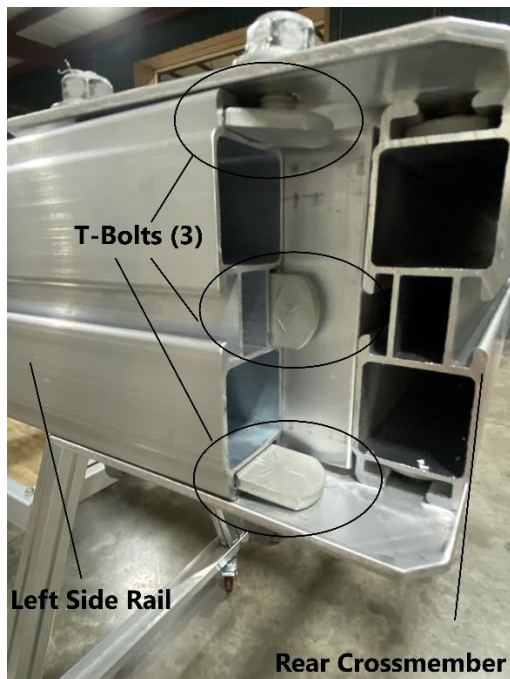


Locate the rear crossmember.

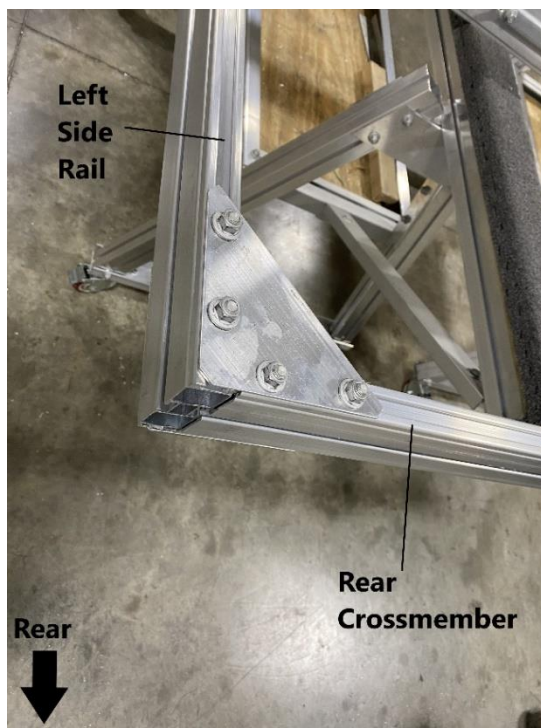


Install the rear crossmember to the left side rail as shown. Slide the (2) T-bolts into the top and bottom grooves of the left side rail. Spray lubricant (not included) will make this process easier.

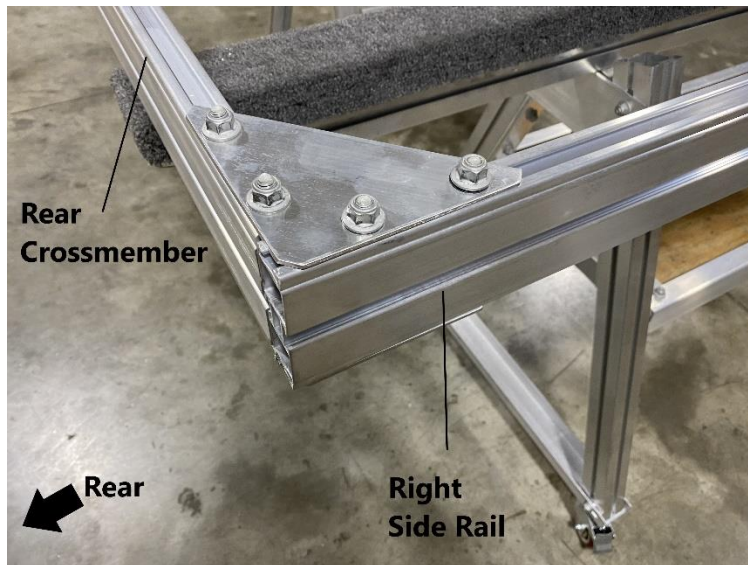




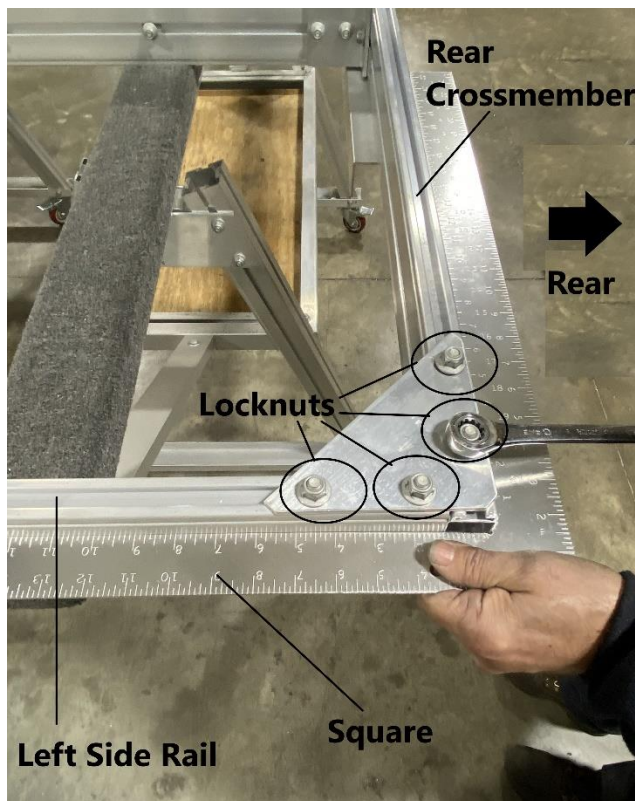
Continue installing the rear crossmember to the left side rail. Slide the (3) T-Bolts into the left side rail as shown.



Finish installing the left side rail to the rear crossmember. Do not tighten the locknuts yet.

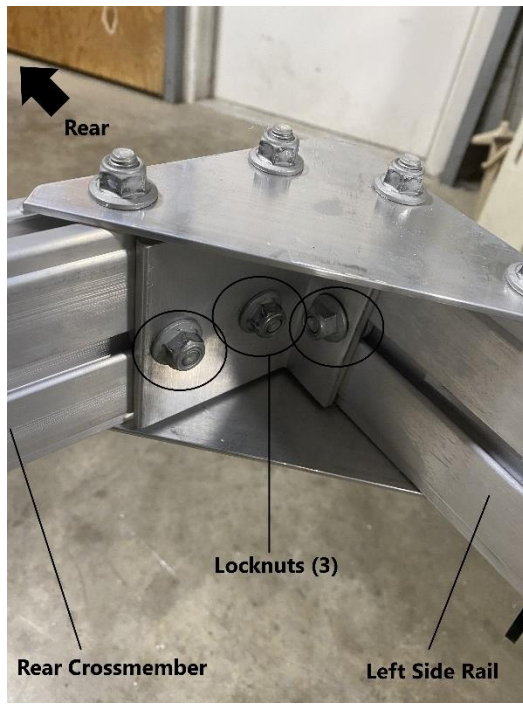


Repeat the process to install the rear crossmember to the right side rail.

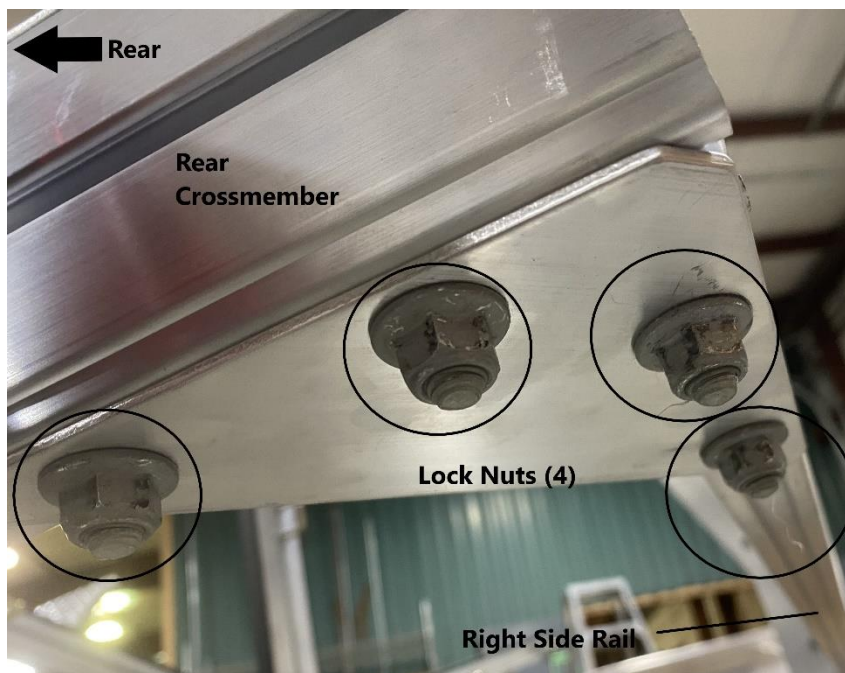


Use a square to confirm that the left side rail is square with the rear crossmember. Repeat this process for the right side rail. Once complete, tighten all (8) locknuts on the top of the rear crossmember with a 9/16" wrench. Note that (4) locknuts will be on the left (driver's) side and (4) locknuts will be on right (passenger's) side.





**Tighten the (3) locknuts on the inside of the trailer using a 9/16" wrench. Repeat this process for the other side.**



**Tighten the (4) locknuts on the bottom of the rear crossmember using a 9/16" wrench. Repeat this process on the other side.**

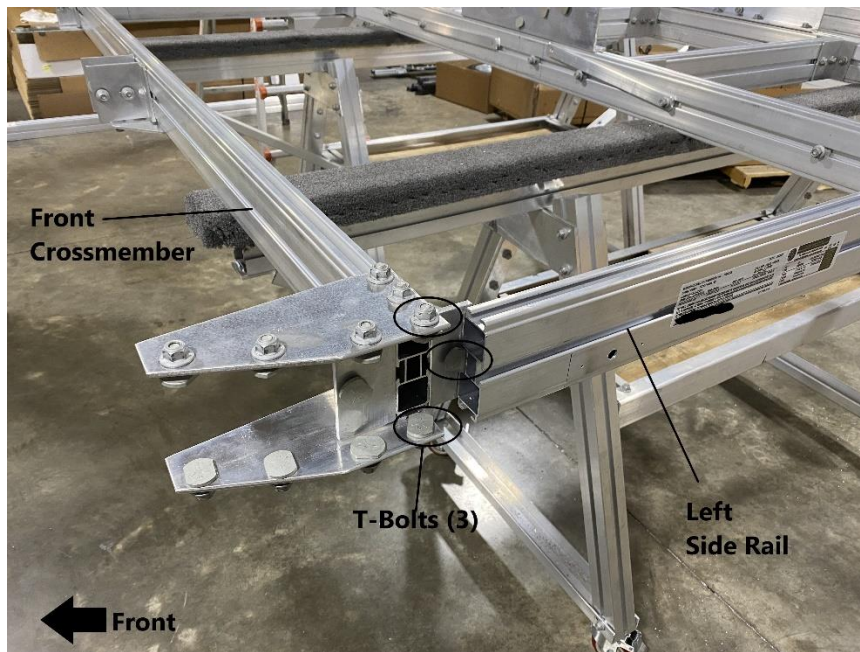


At this point the trailer looks like this.

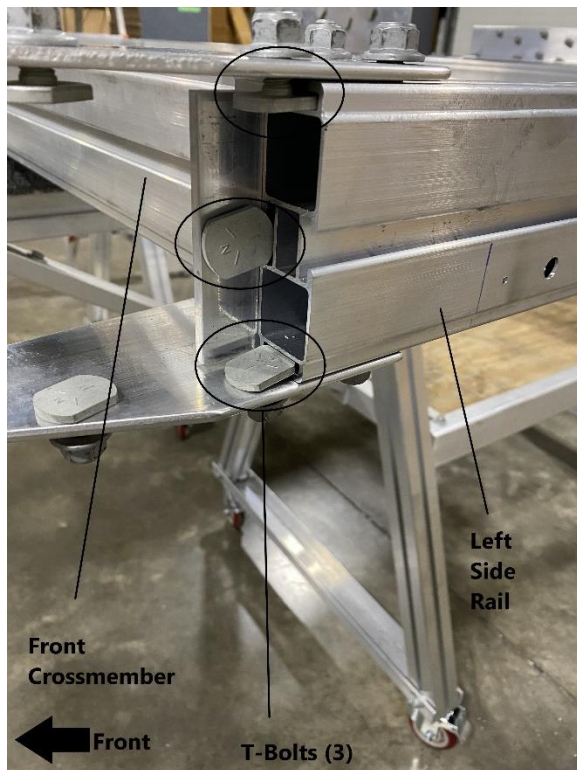


Locate the front crossmember.

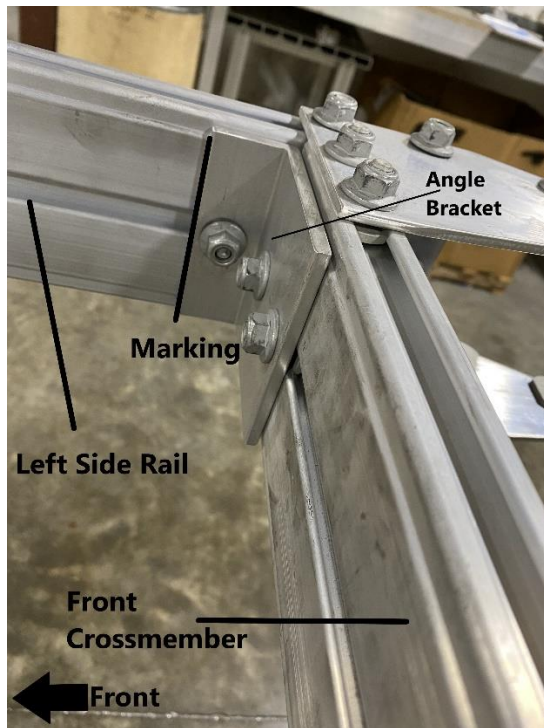




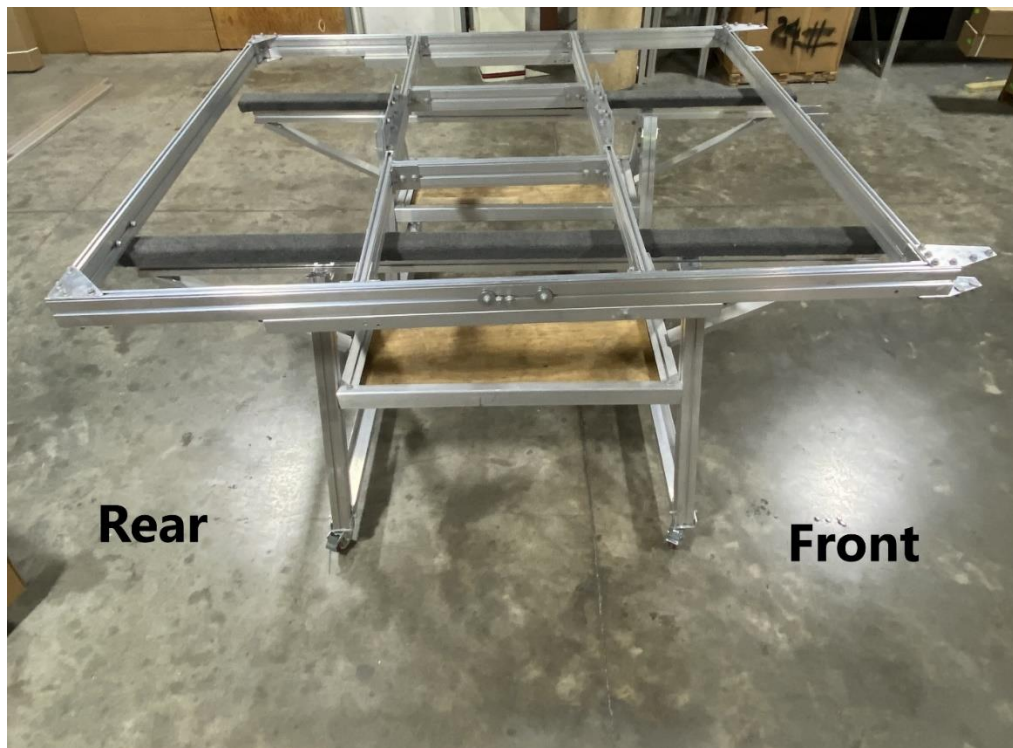
Install the left side rail to the front crossmember as shown. Slide (3) T-bolts into the top, side, and bottom grooves of the left side rail.



Continue sliding the (3) T-Bolts into the grooves of the left side rail.



Locate the marking on the left side rail. This marking will show the exact location where the angle bracket on the front crossmember should be installed. Repeat this process for the right side rail. Tighten the nuts using 9/16" wrench.

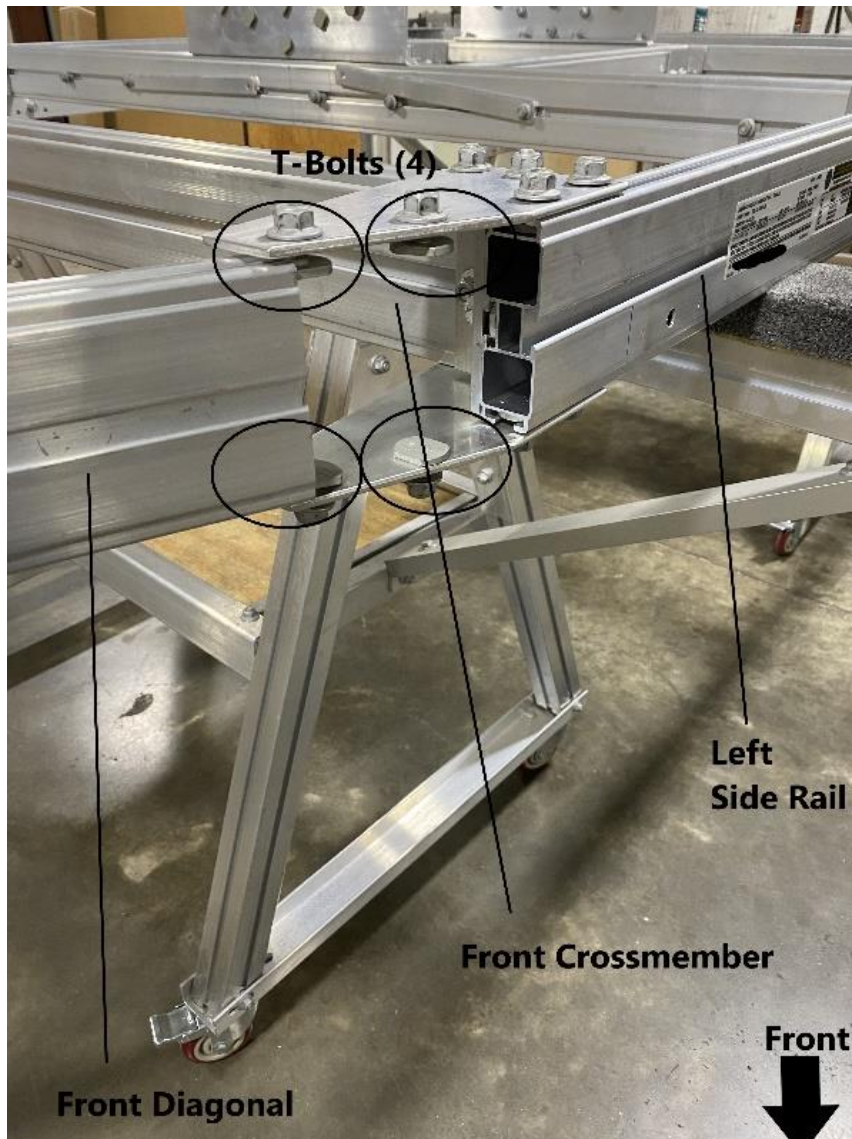


At this point the trailer will look like this.

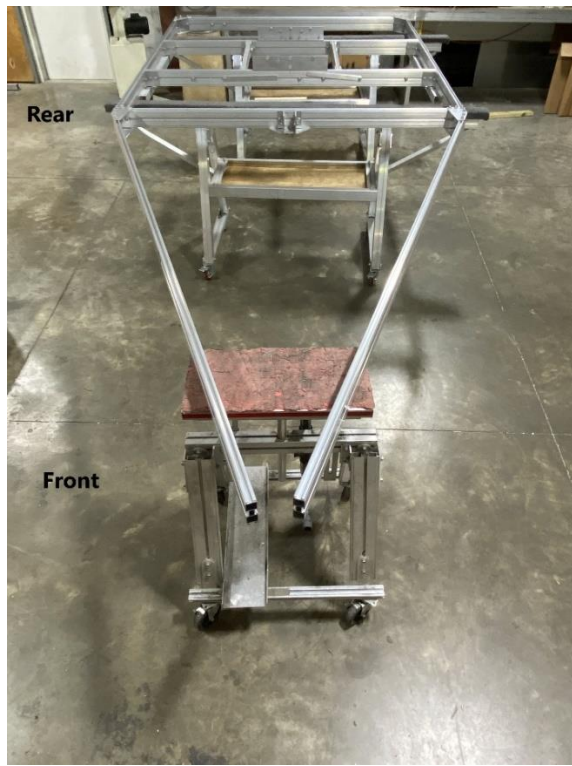




Locate the (2) Front Diagonals.



Install the front diagonal to the front crossmember as shown. Slide the (4) T-Bolts of the front crossmember into the grooves of the front diagonal. Note that one front diagonal will have a vehicle identification plate riveted to the side. This will be installed on the driver's side, facing out.

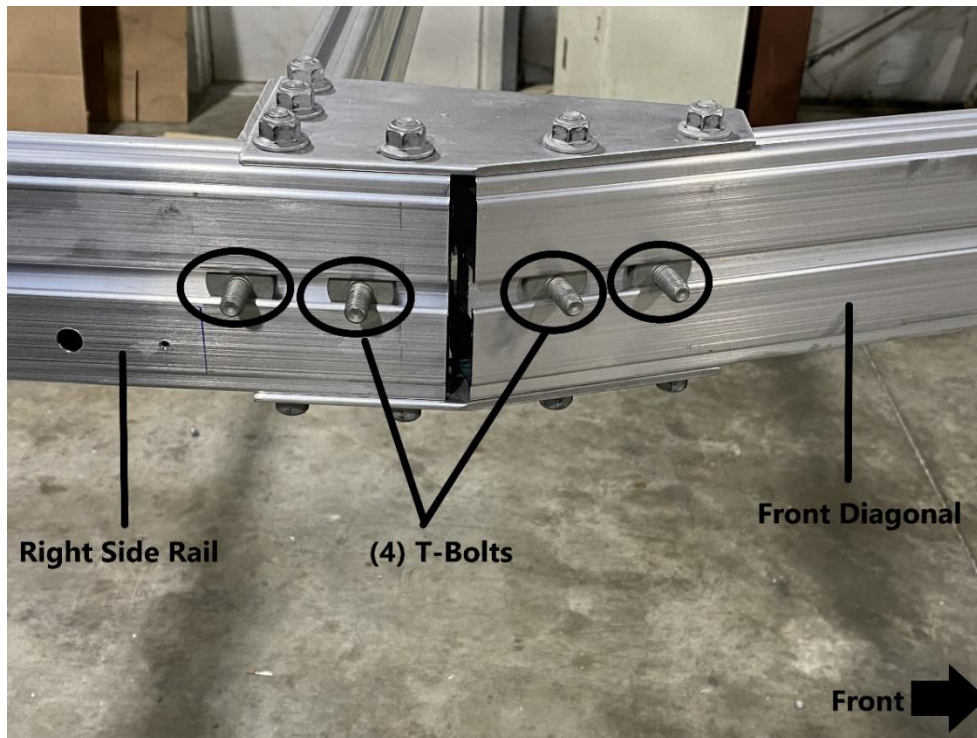


At this point the trailer will look like this.

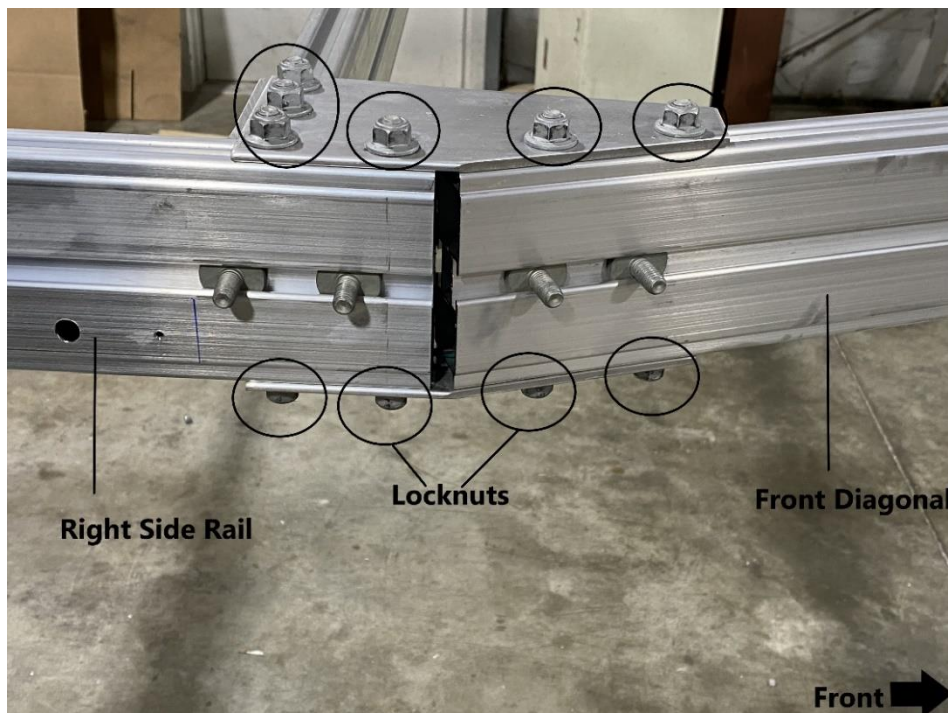


Locate the hardware bag. This will include T-bolts and locknuts.

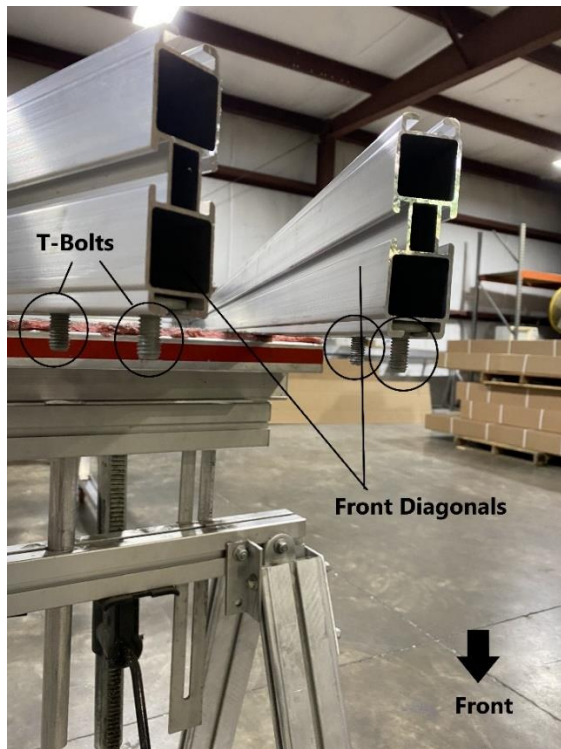




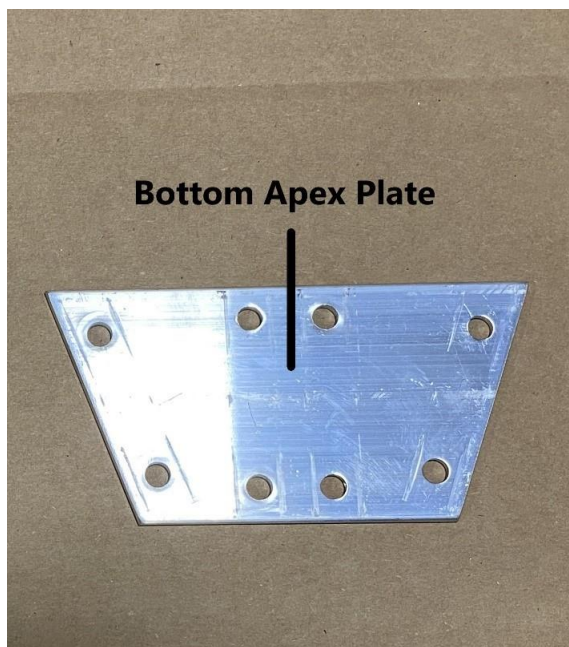
Place (2) T-bolts into the groove of the right side rail and (2) into the groove of the front diagonal. Repeat this process for the other side. These will be used later to install the elbow plates.



Tighten all the locknuts connecting the right side rail to the front diagonal. Repeat this process for the other side.

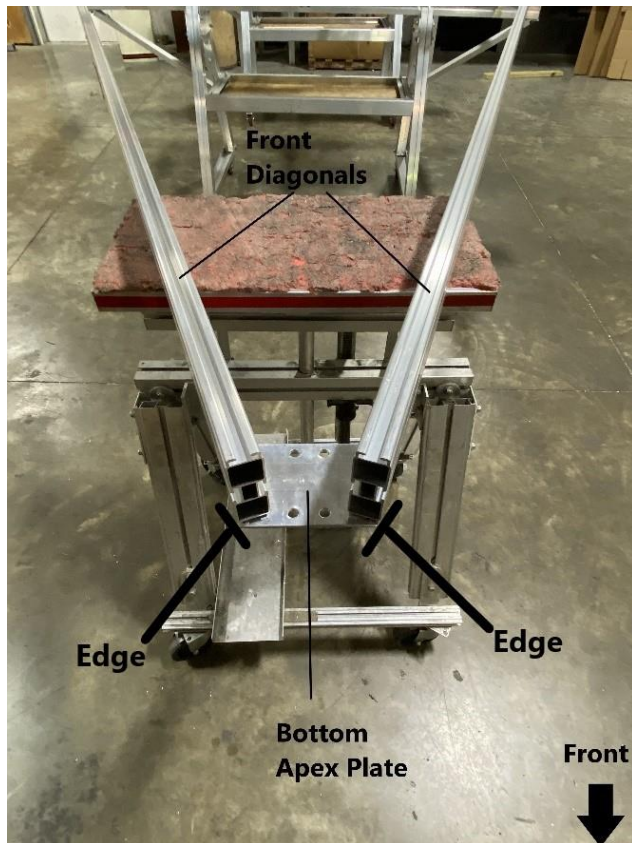


**Insert (4) T-bolts as shown into the bottom grooves of the front diagonals.**



**Locate the bottom apex plate.**

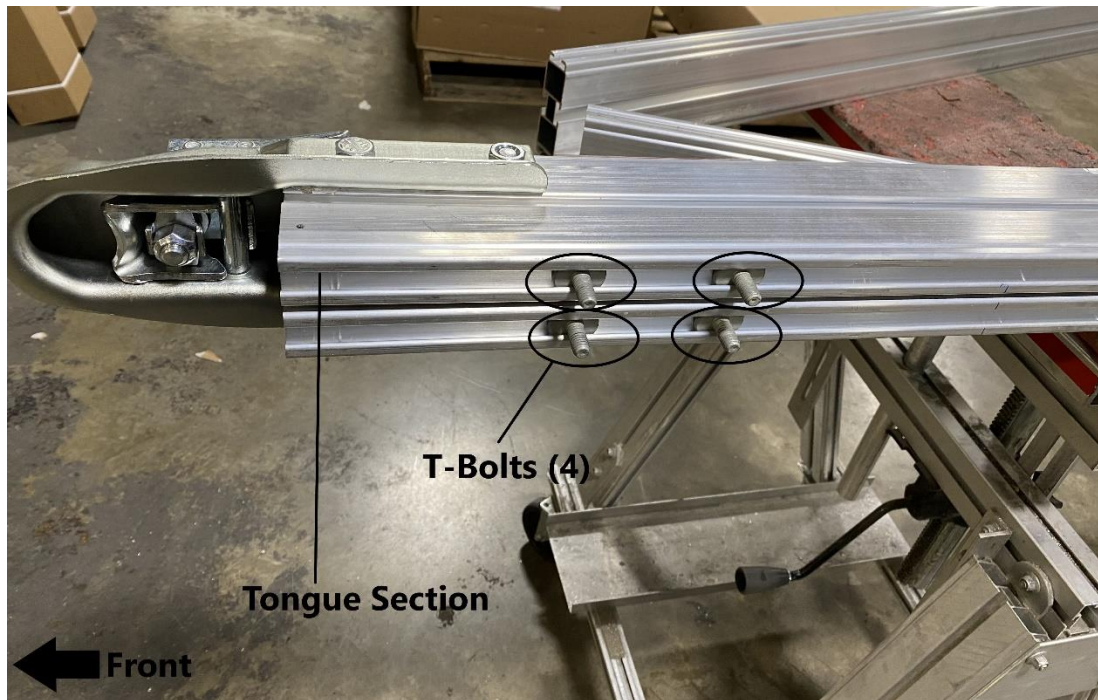




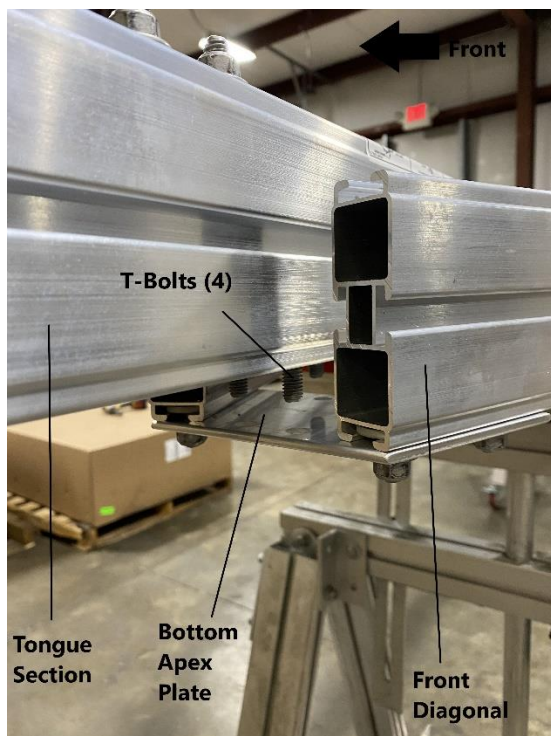
Install the bottom apex plate as shown. Position the bottom apex plate so the edges of the bottom apex plate are flush with the edges of the front diagonals. Install locknuts and tighten using a 9/16" wrench.



Locate the tongue section.

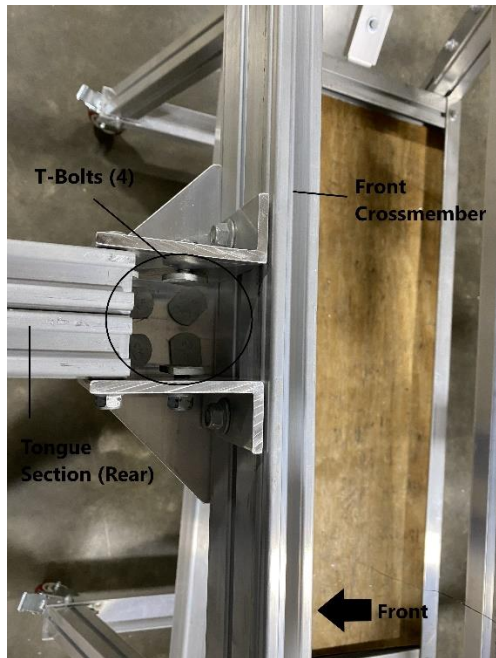


Install (4) T-bolts into the bottom grooves of the tongue section. Two T-bolts will be installed into each groove.

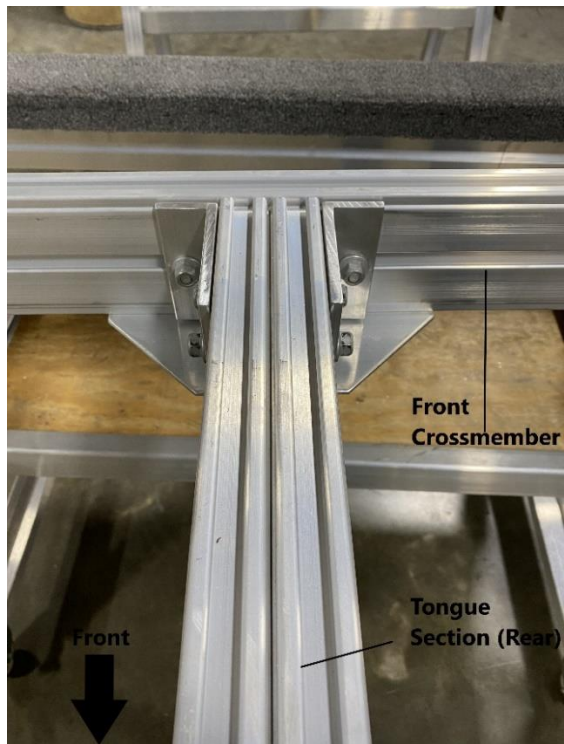


Install the tongue section between the two front diagonals as shown. At least two people will be necessary to install the tongue section. Use the (4) T-bolts to install the tongue section to the bottom apex plate. Do not add locknuts yet.





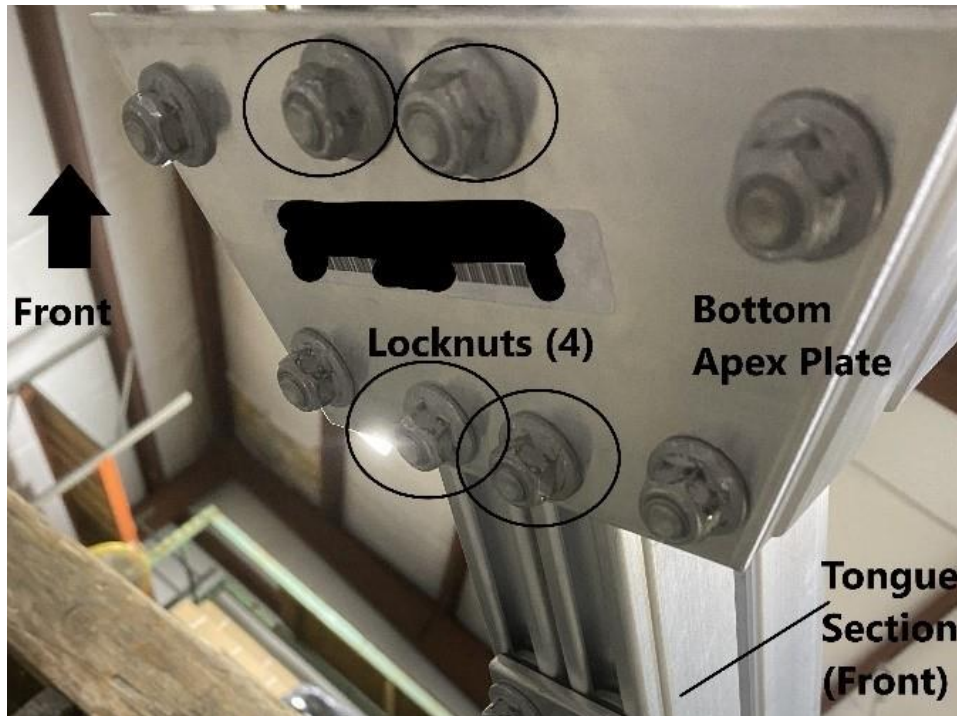
Slide the rear end of the tongue section until it reaches the front crossmember. Slide the (4) T-Bolts of the front crossmember into the bottom grooves of the tongue section.



Continue sliding the tongue section until it is flush with the front crossmember.



The (4) T-Bolts of the front crossmember has (4) locknuts installed underneath. Tighten these with a 9/16" wrench.



Install (4) locknuts to the bottom apex plate. Tighten the locknuts using a 9/16" wrench.

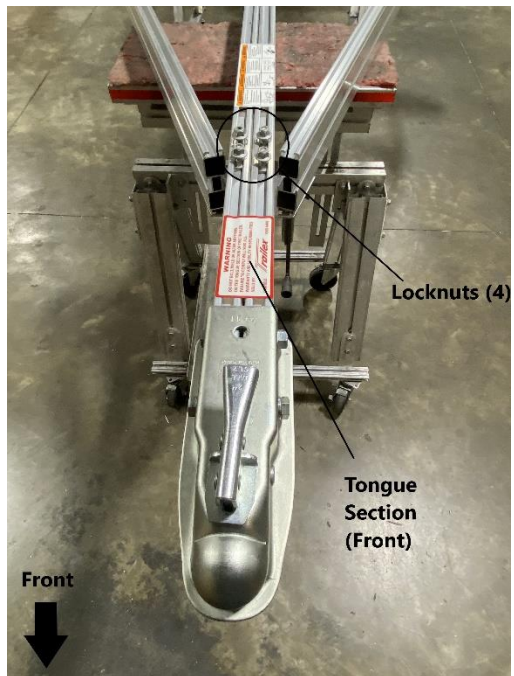




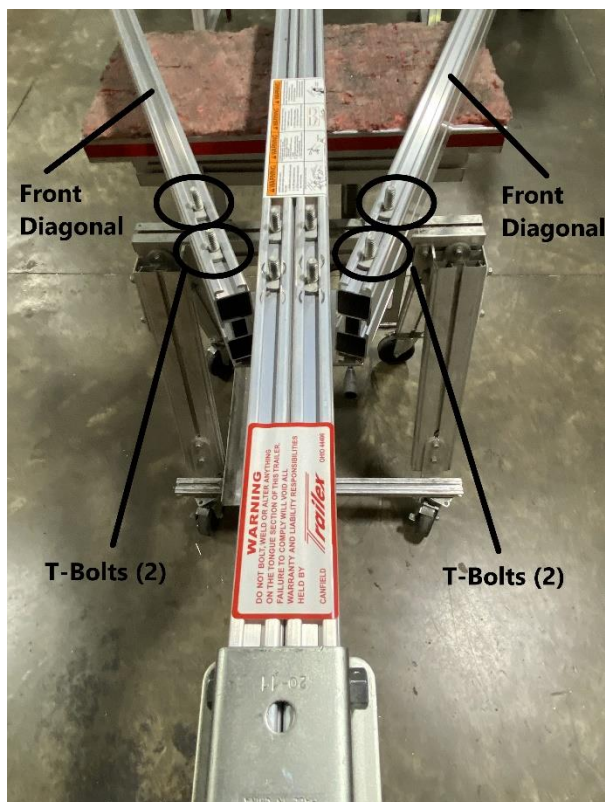
At this point the trailer looks like this.



Locate the top apex plate.

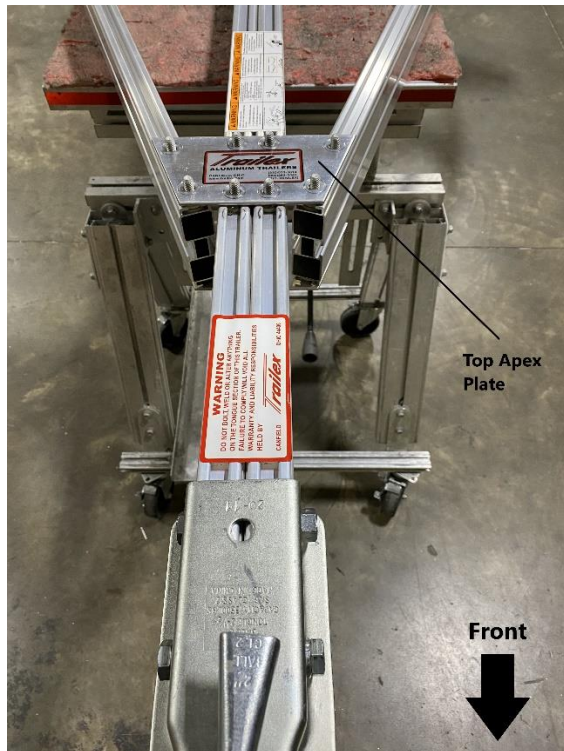


Remove the (4) locknuts from the tongue section as shown.

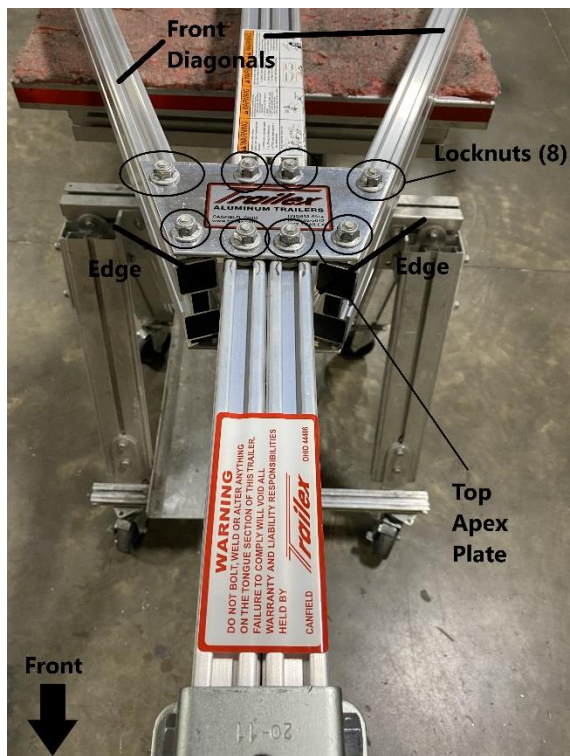


Install (4) T-bolts into the front diagonals as shown. (2) T-Bolts will be installed into each front diagonal.

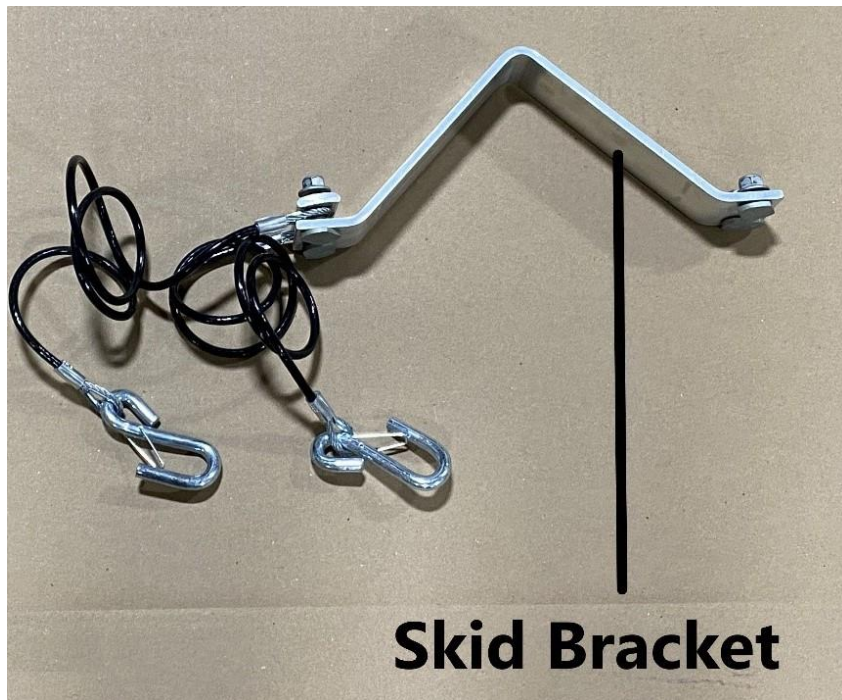




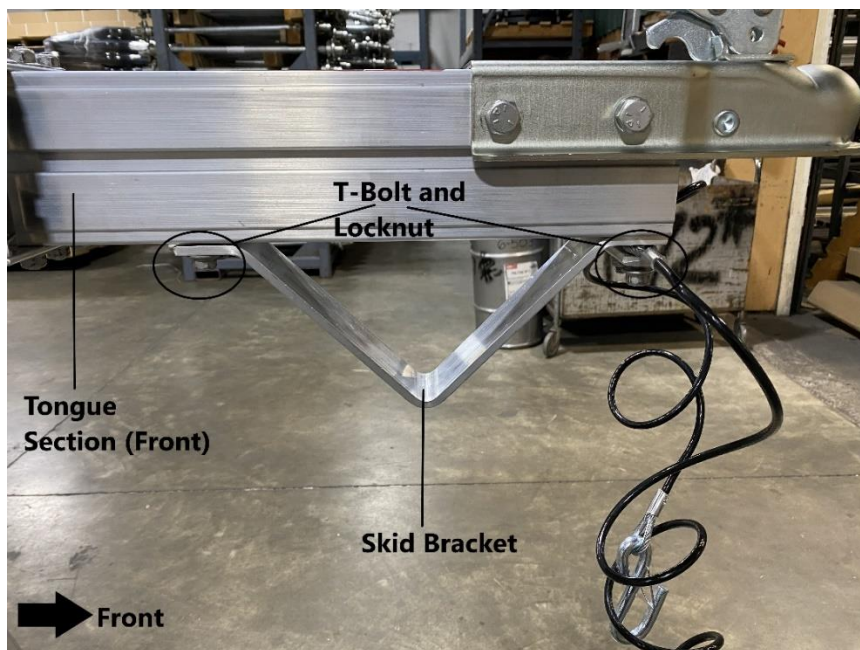
Install the top apex plate as shown.



Line up the edge of the top apex plate with the edge of the front diagonal and bottom apex plate. Install (8) locknuts and tighten using a 9/16" wrench.



Locate the skid bracket.



Install the skid bracket to the front tongue section as shown. Slide the (2) T-bolts of the skid bracket into the bottom groove of the tongue section. Tighten the locknuts using a 9/16" wrench.





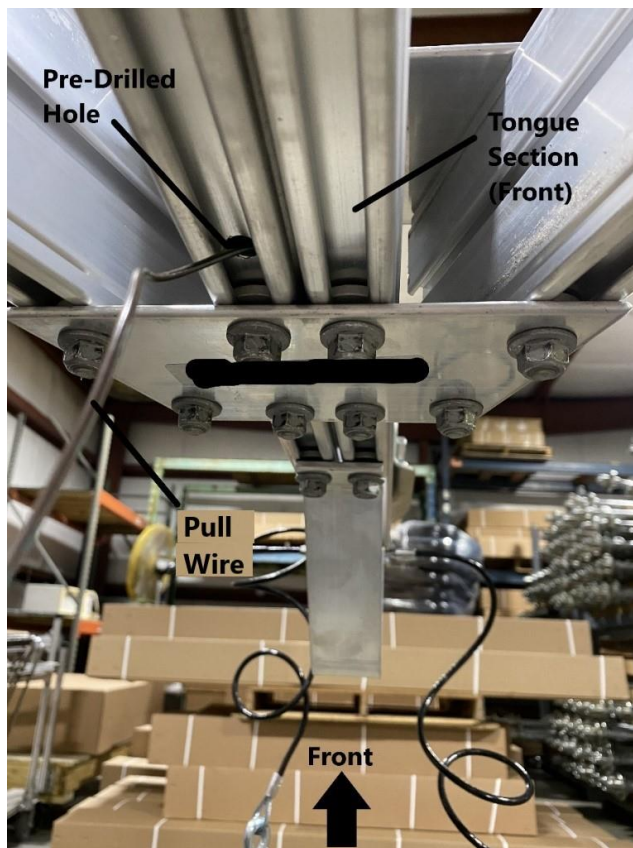
**At this point the trailer looks like this.**



**Locate the LED Light Kit.**

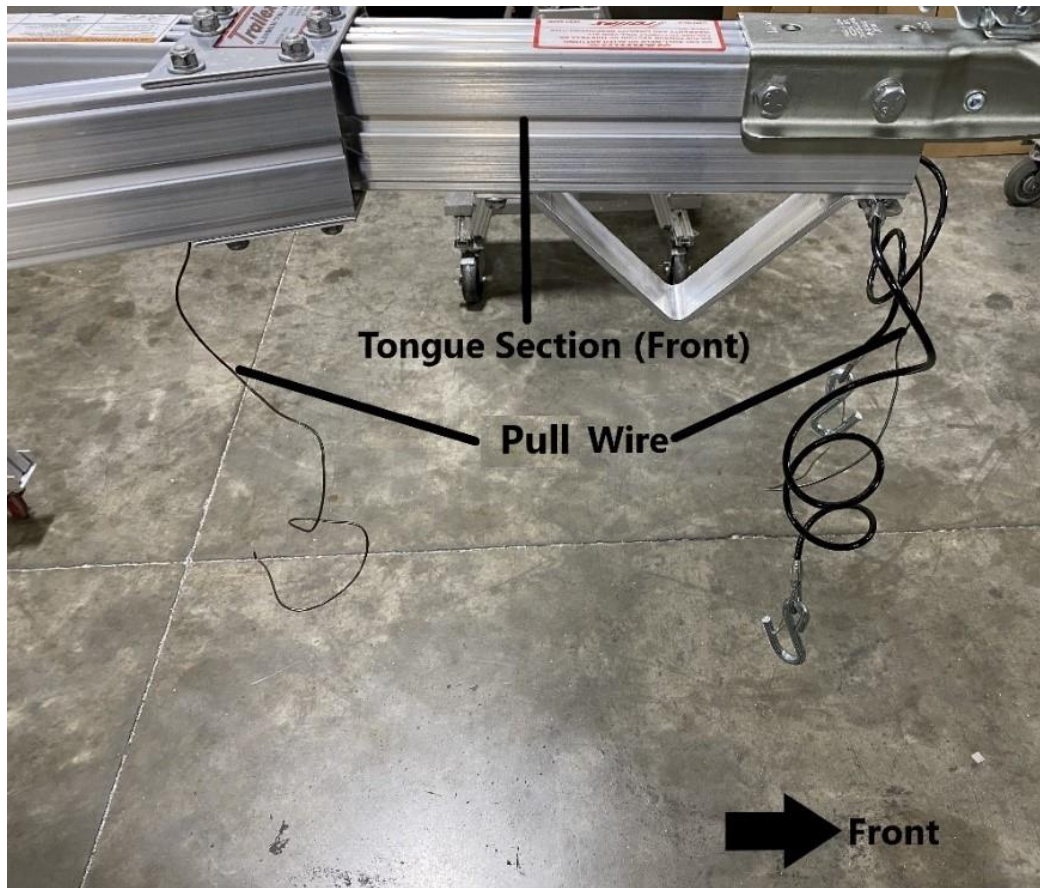


Locate the 5 foot pull wire in the LED Light Kit. This will be used to pull the harness through the trailer. Pull wires will be discarded once the trailer assembly is complete.



Locate the pre-drilled hole on the bottom of the front tongue section. Run the pull wire through the pre-drilled hole towards the front of the tongue section.

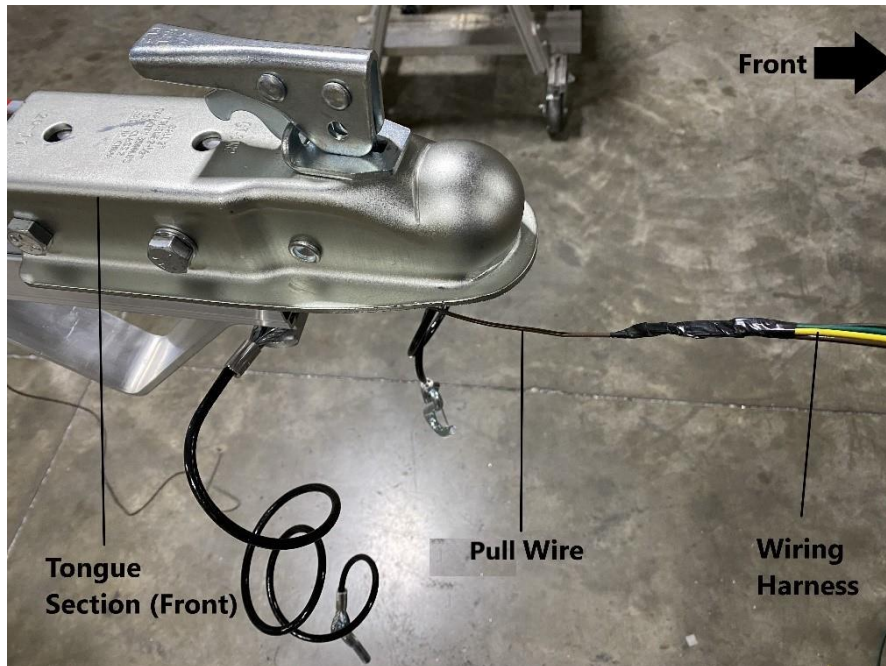




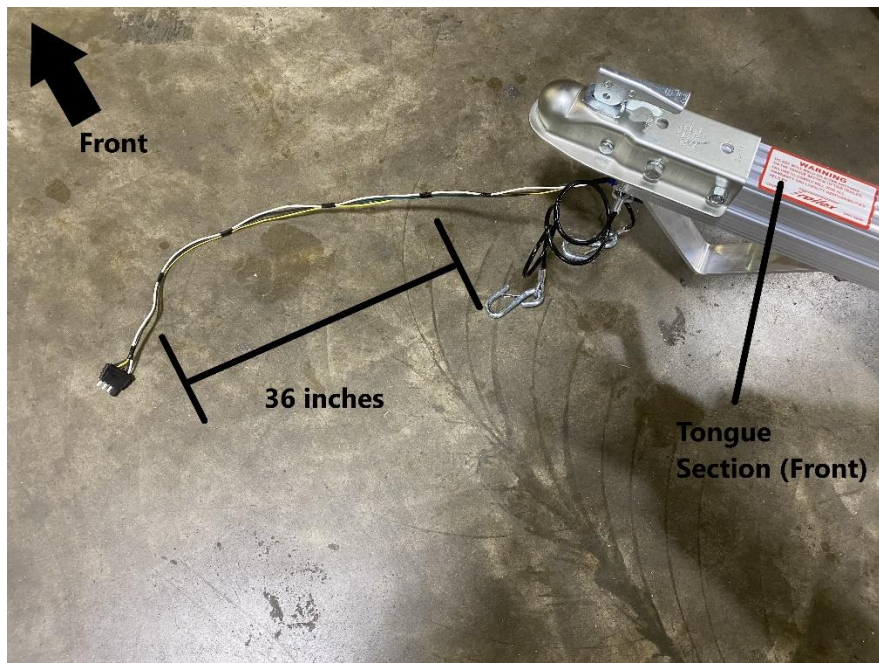
Continue running the pull wire until it is through the front tongue section.



Locate the wiring harness.



Use electrical tape to attach 4 harness wires (2 brown, 1 green, 1 yellow) to the pull wire. **Do not tape the white ground wire.** The white ground wire will stay at the front of the tongue section.

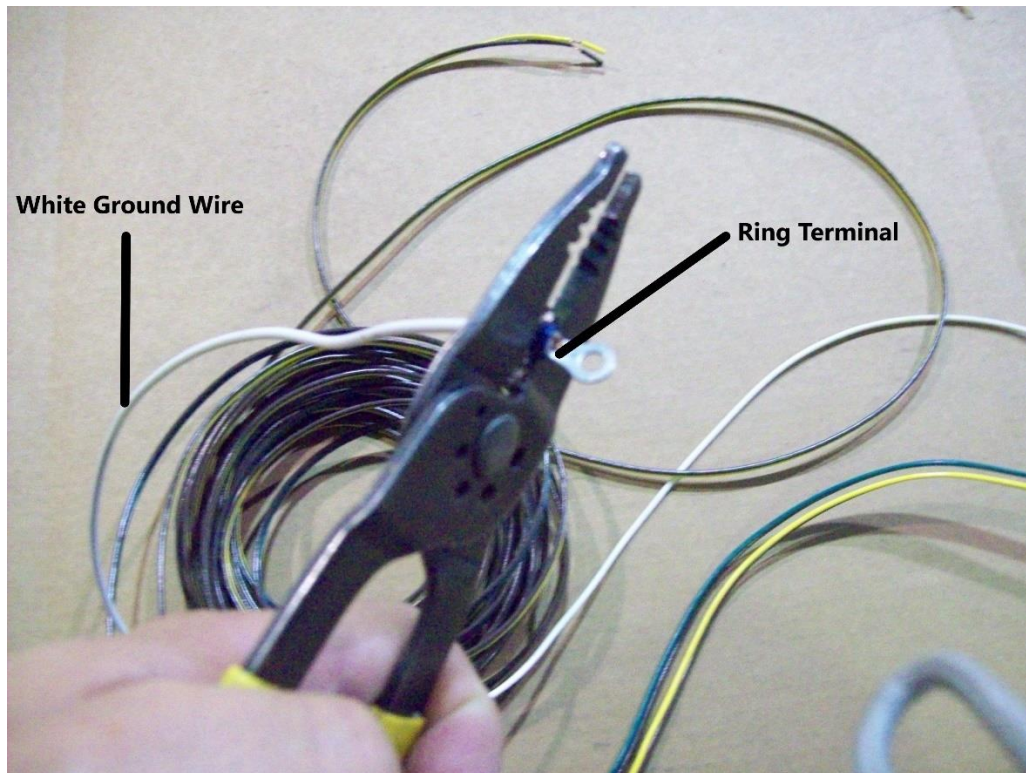


Pull the wiring harness through the tongue section and out through the pre-drilled hole underneath the tongue section. Leave 36 inches of wiring at the front of the tongue section. This will be used to connect the trailer to the tow vehicle.





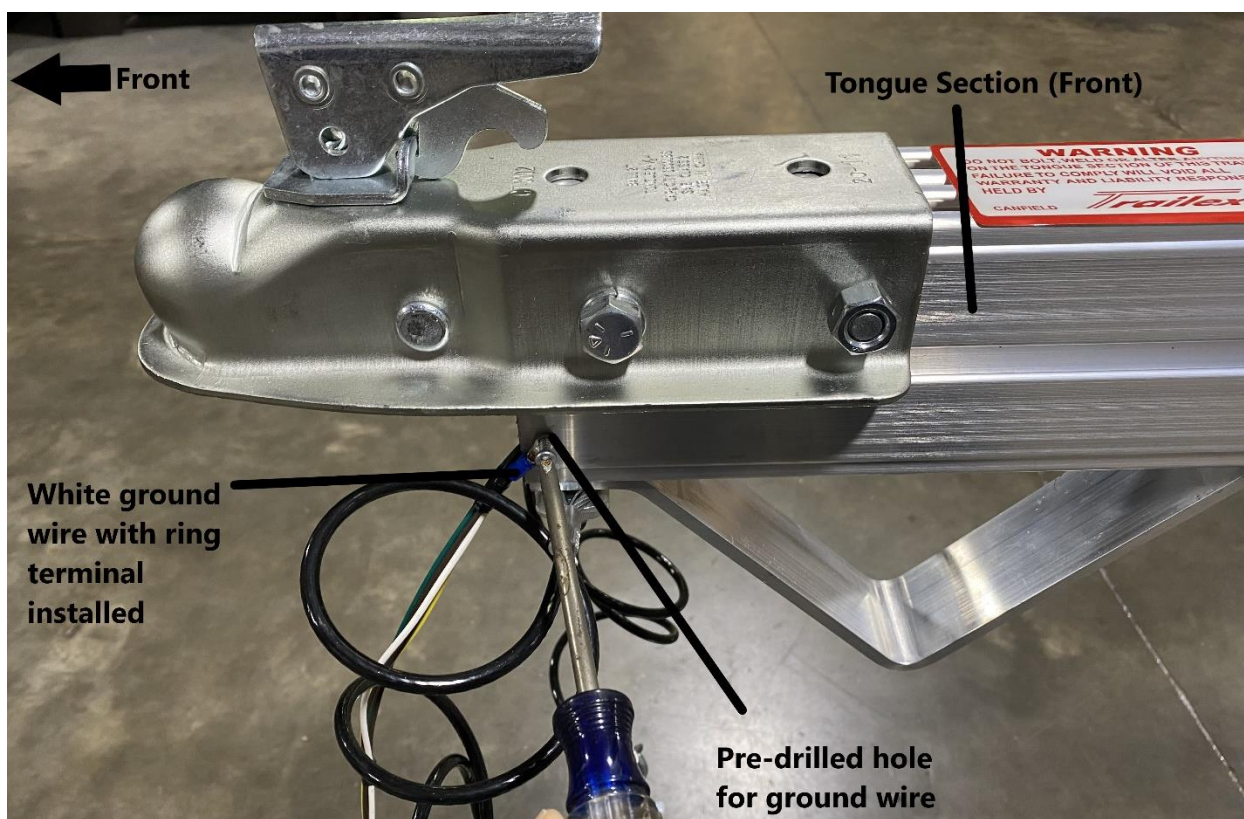
**Locate the ring terminal found in the LED Light Kit.**



**Install the ring terminal to the white ground wire as shown. Strip the end of the white ground wire, place the ring terminal on the end of the white ground wire and crimp the two together.**



Locate the  $\frac{3}{4}$ " long Phillips screw that is found in the LED Light Kit.

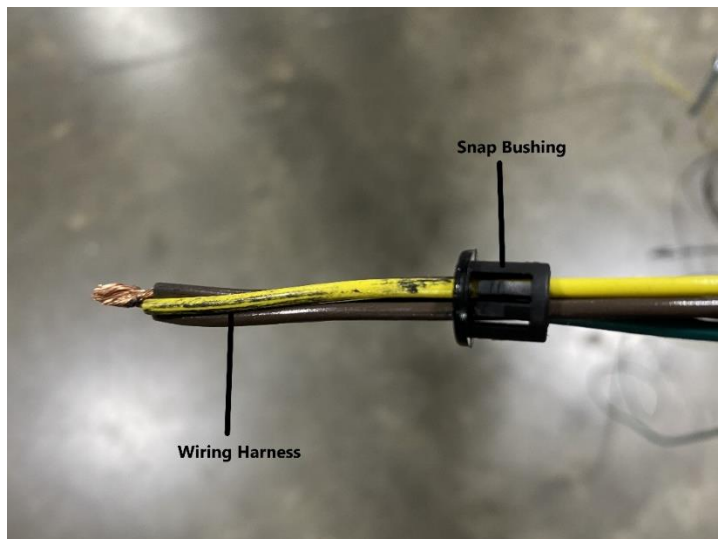


Using a Phillips screwdriver, install the Phillips screw through the ring terminal on the white ground wire into the pre-drilled hole. The pre-drilled hole is located on the driver's side of the front tongue section.





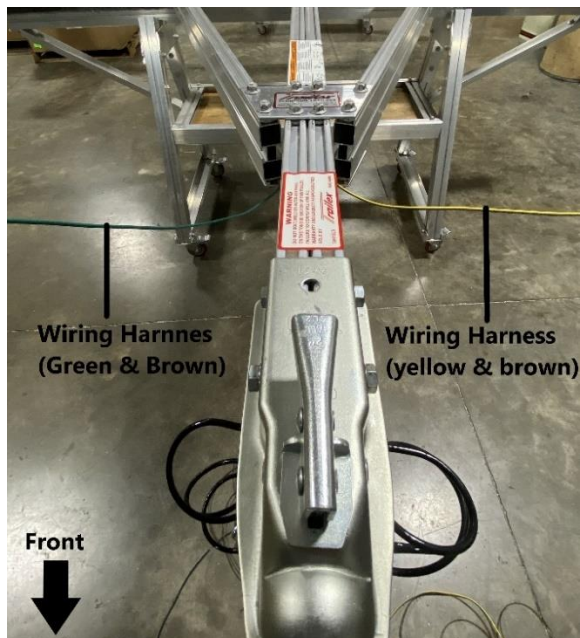
**Locate the snap bushing found in the LED Light Kit.**



**Install the snap bushing on the wiring harness. This will be the end of the wiring harness that was pulled through the tongue section and out through the pre-drilled hole.**

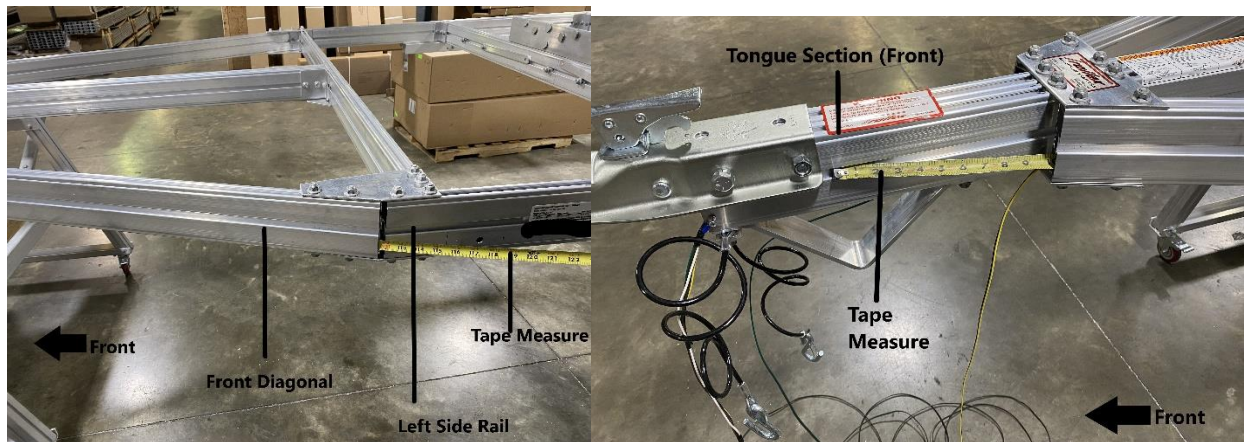


Install the snap bushing into the pre-drilled hole as shown. Run the snap bushing up the wiring harness and press the snap bushing into the pre-drilled hole. Use a standard screwdriver to press the snap bushing into place.



The wiring harness will now need to be ran to the rear of the trailer. Separate the wires so the green and brown will run down the passenger side while the yellow and brown wires will run down the driver's side.

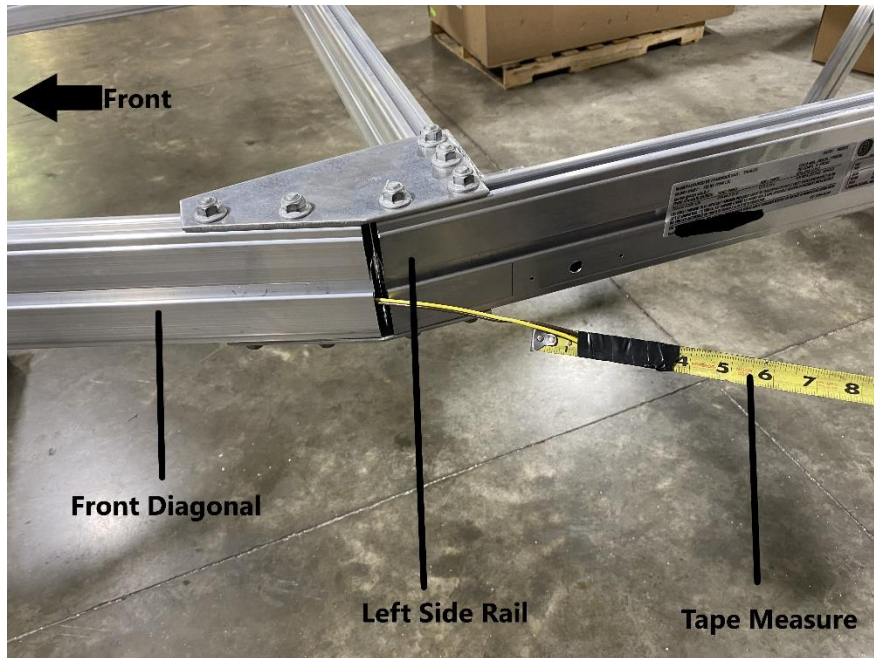




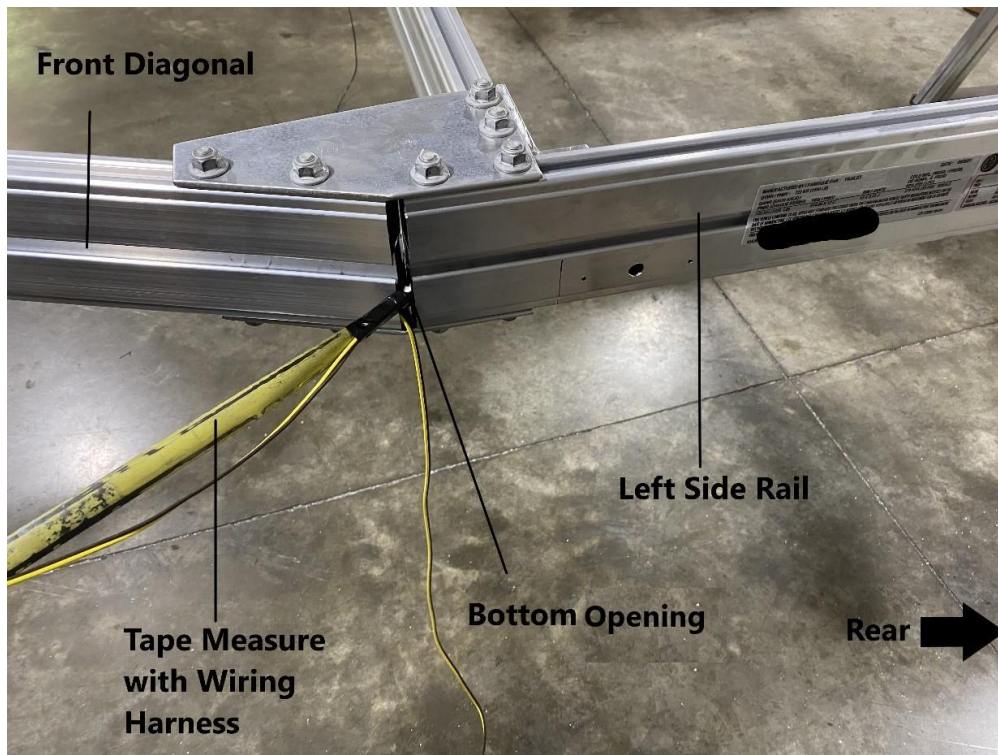
Locate the opening where the front diagonal is connected to the left side rail. Extend a tape measure through the front diagonal towards the front of the trailer.



Tape the yellow and brown wires of the wiring harness to the end of the tape measure using electrical tape.

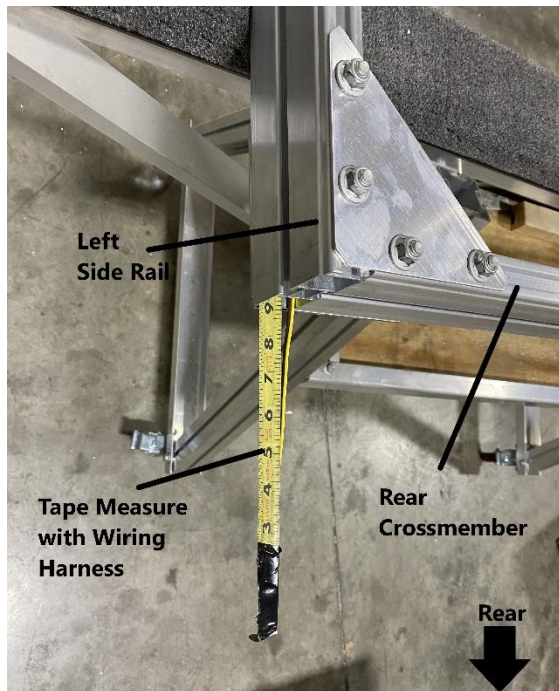


Retract the tape measure, pulling the wiring harness through the front diagonal. **Do not remove the tape yet.**

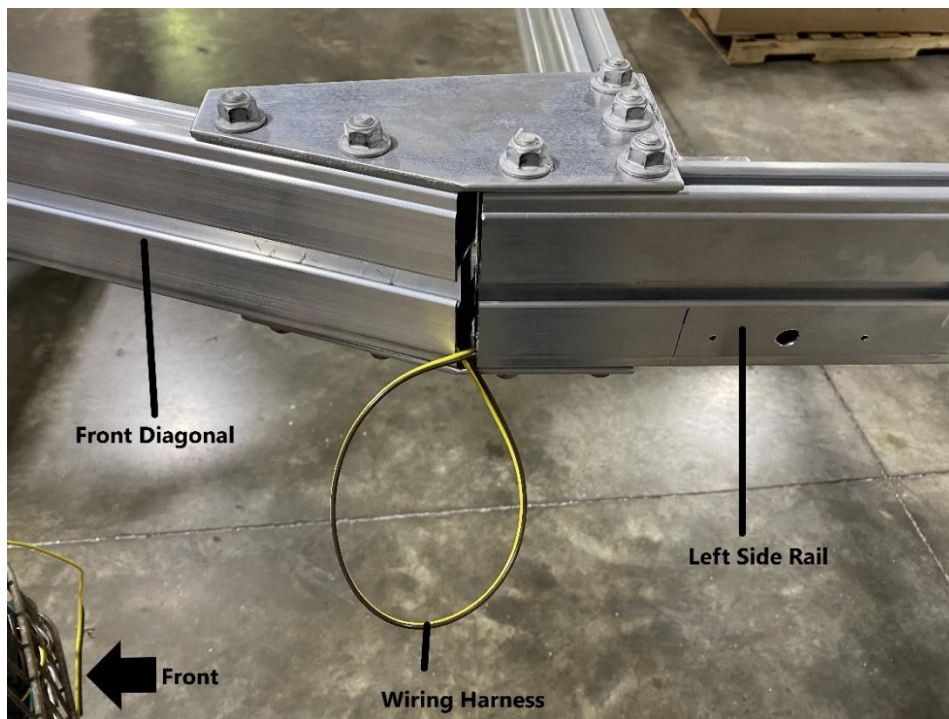


Insert the tape measure with wiring harness attached into the bottom opening of the left side rail. Extend the tape measure towards the rear of the trailer.

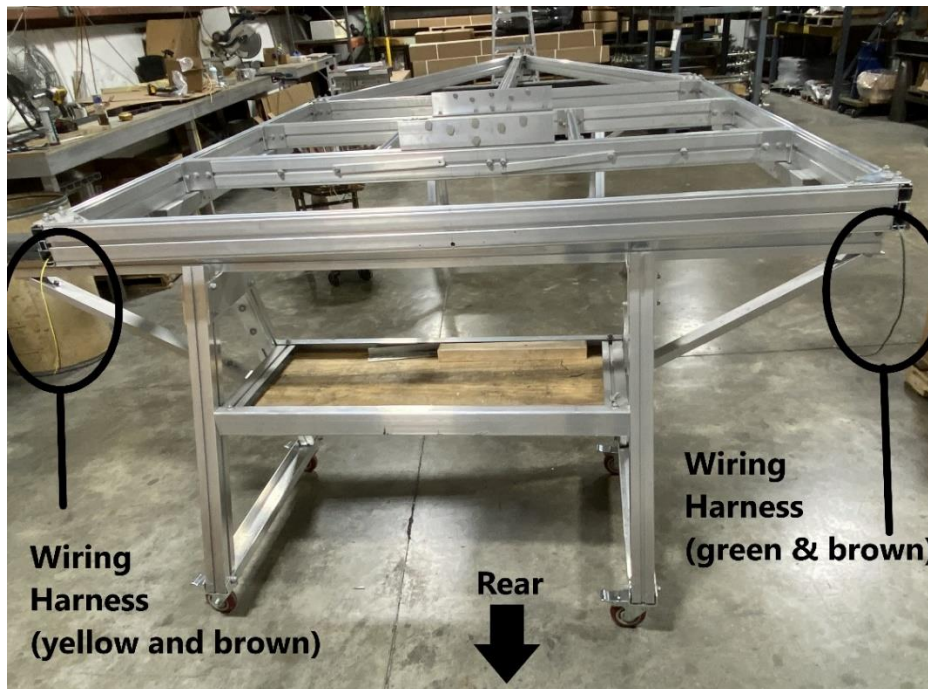




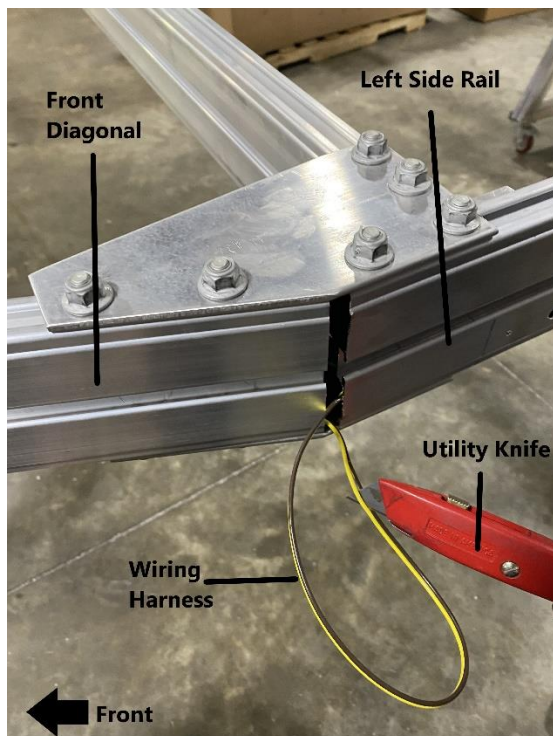
Continue extending the tape measure until it reaches the rear of the trailer.



Leave a small amount of wiring harness where the front diagonal connects to the left side rail. This will be used later to connect side marker lights to the harness. Remove the electrical tape and retract the tape measure.



Repeat the process for driver's side to run the wiring harness to the rear of the trailer. At this point the trailer should look like this.



Use a utility knife to separate the yellow wire from the brown wire. **Do not cut through the wires.**

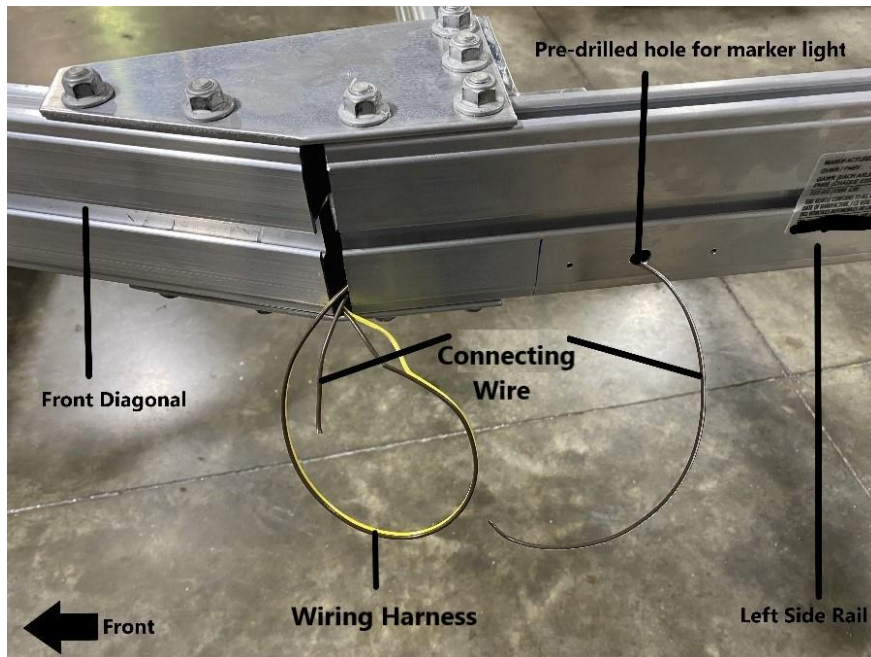




**The wiring harness will now look like this.**

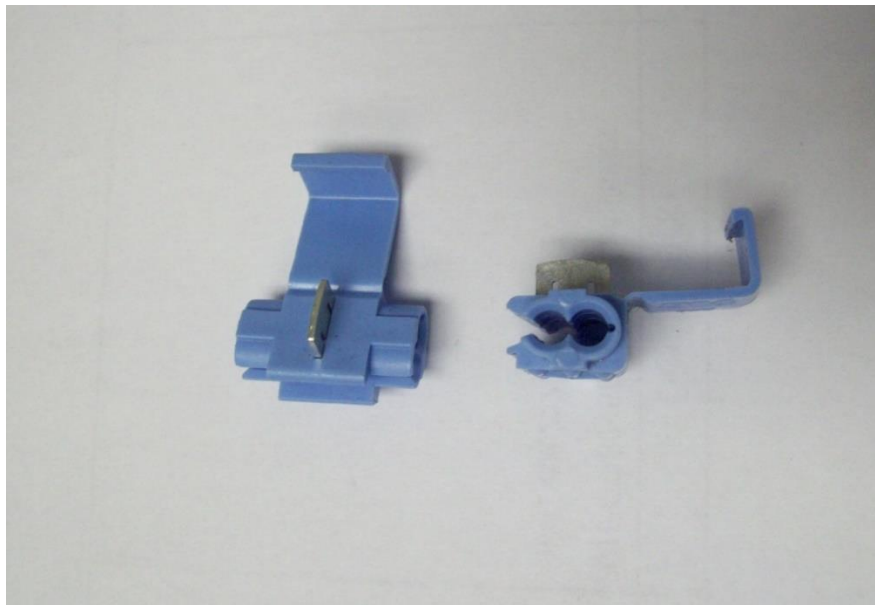


**Locate the 2 foot connecting wire in the LED light kit. This will be used to connect the amber marker lights to the wiring harness.**



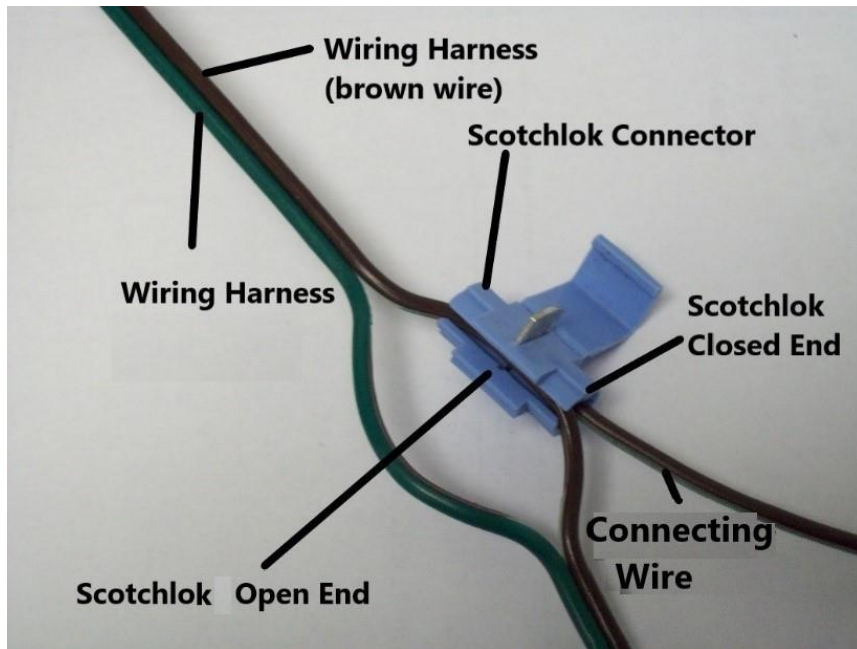
Run the connecting wire through the pre-drilled hole for marker light until it reaches the opening between the front diagonal and the left side rail.

### Scotchlok Connector Instructions

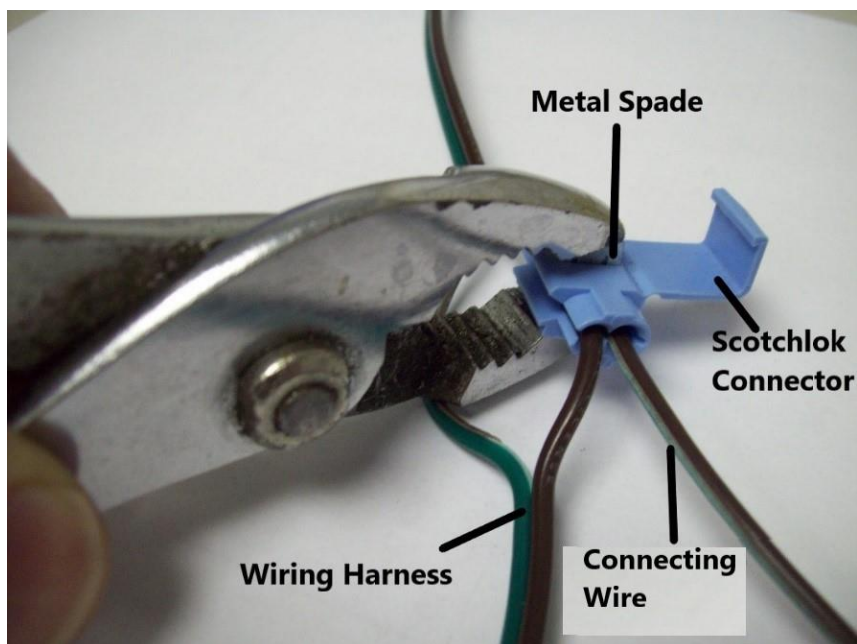


Locate (2) Scotchlok connectors. These will be found in the LED Light Kit. This will be used to attach the connecting wire to the wiring harness.

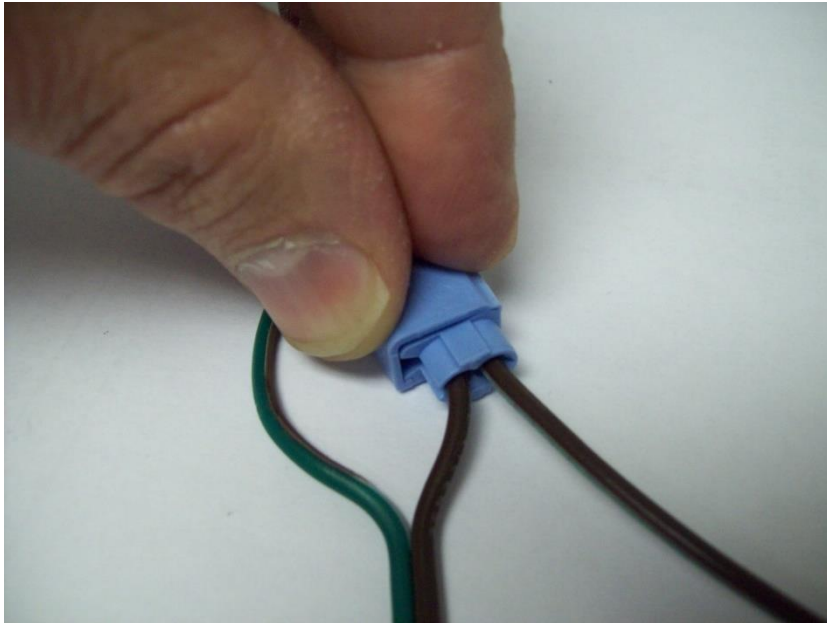




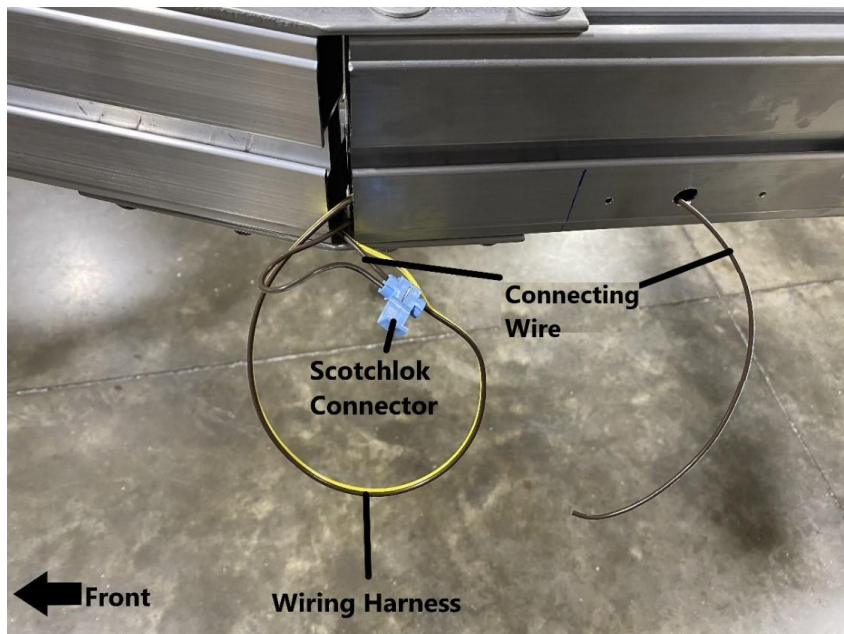
The above image shows how the wiring harness will connect to the connecting wire. Insert the connecting wire into the Scotchlok connector. This hole does not pass all the way through. The wire should go in about  $\frac{1}{2}$ ". Pass the brown wire of the wiring harness through the remaining open slot in the connector.



Use pliers to push the metal spade down until it is flush with the plastic of the Scotchlok Connector. This is what makes the electrical connection between the two wires.

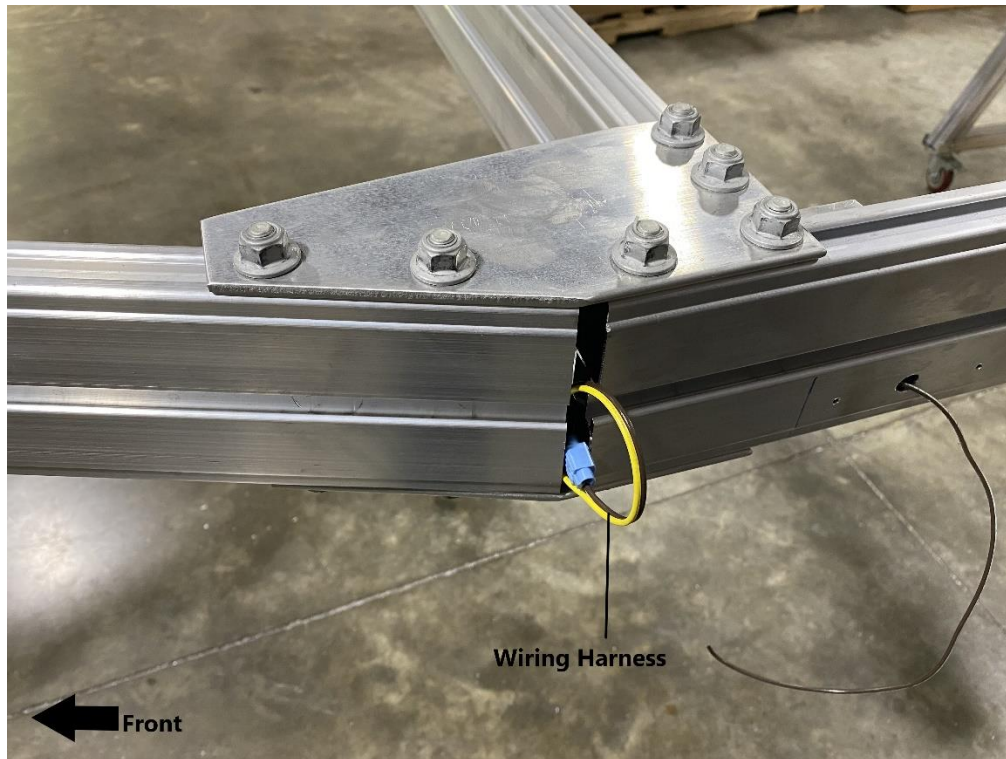


Close the hinge cover on the Scotchlok Connector. Repeat this process for the other side.



When connected, the scotchlok connector will look like this.





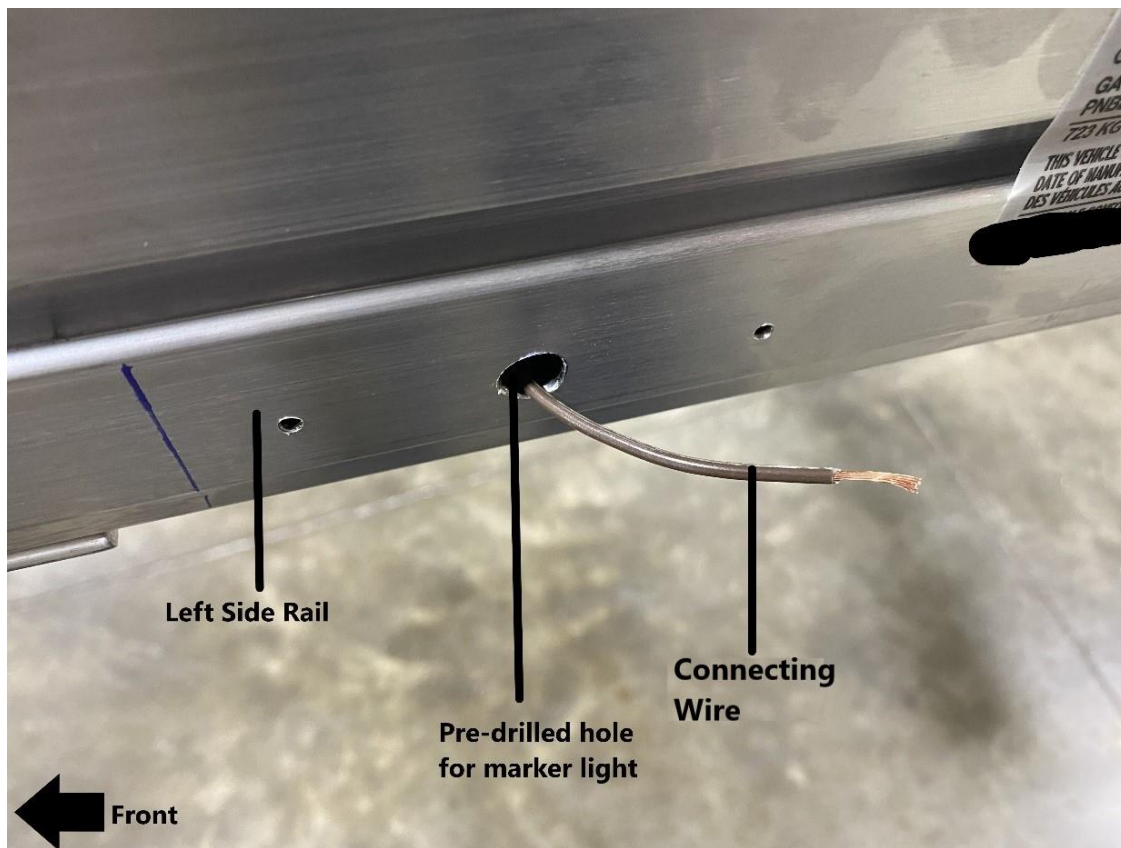
Carefully push the wiring harness back into trailer.



Locate the (2) amber market lights found in the LED Light Kit.

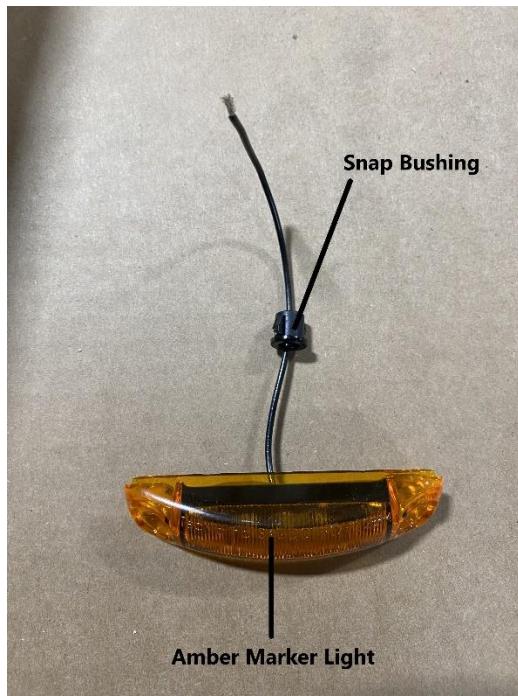


**Strip the end of the amber marker light wire.**



**Strip the end of the connecting wire that is in the pre-drilled hole for marker light.**

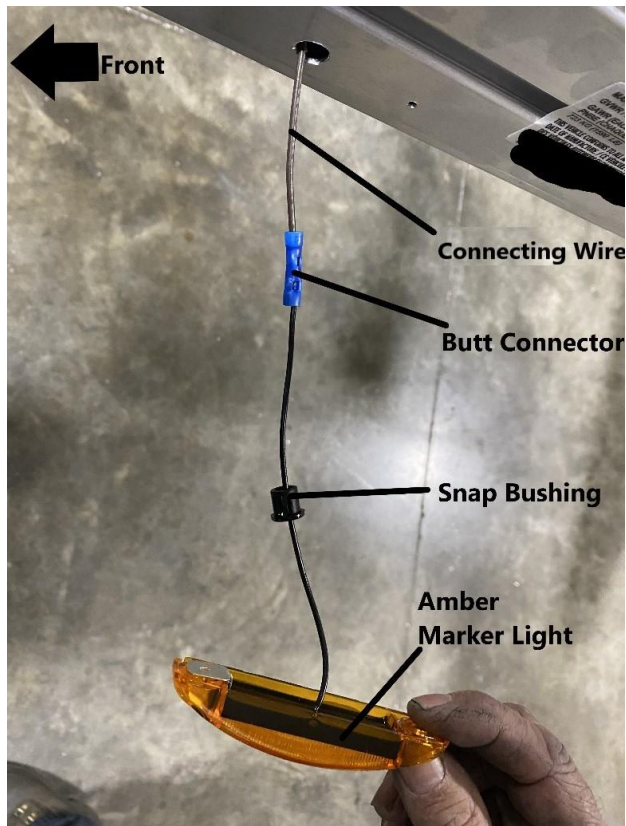




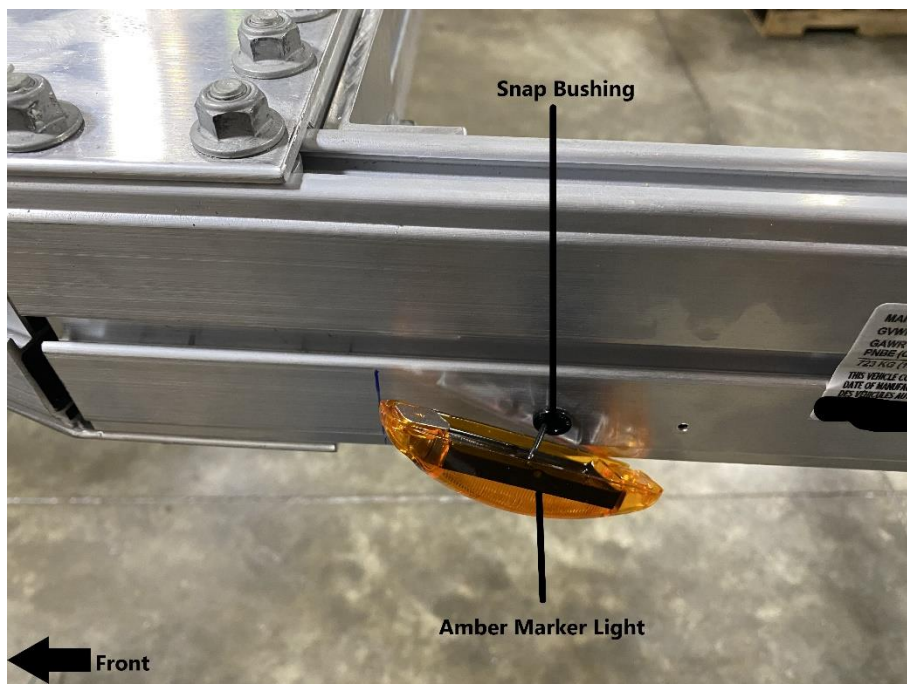
**Place a snap bushing on the amber marker light as shown.**



**Locate a butt connector found in the LED light kit.**

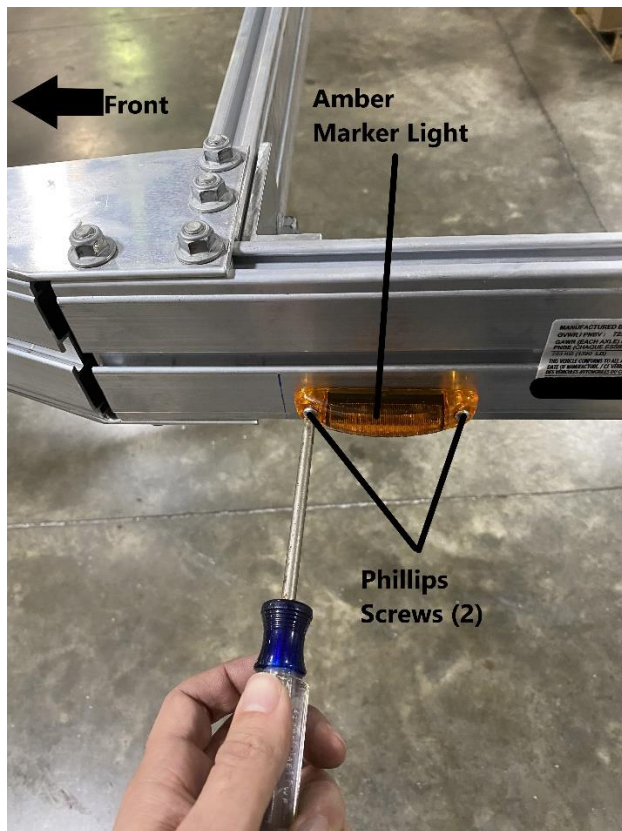


Use the butt connector to attach the connecting wire to the amber marker light. Place both wires into the butt connector and crimp the butt connector.

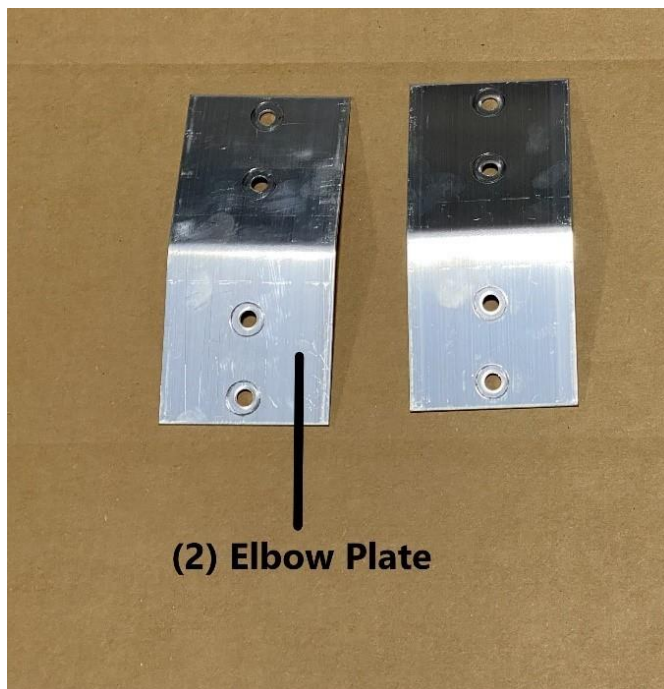


Push the wire into the trailer and install the snap bushing as shown.

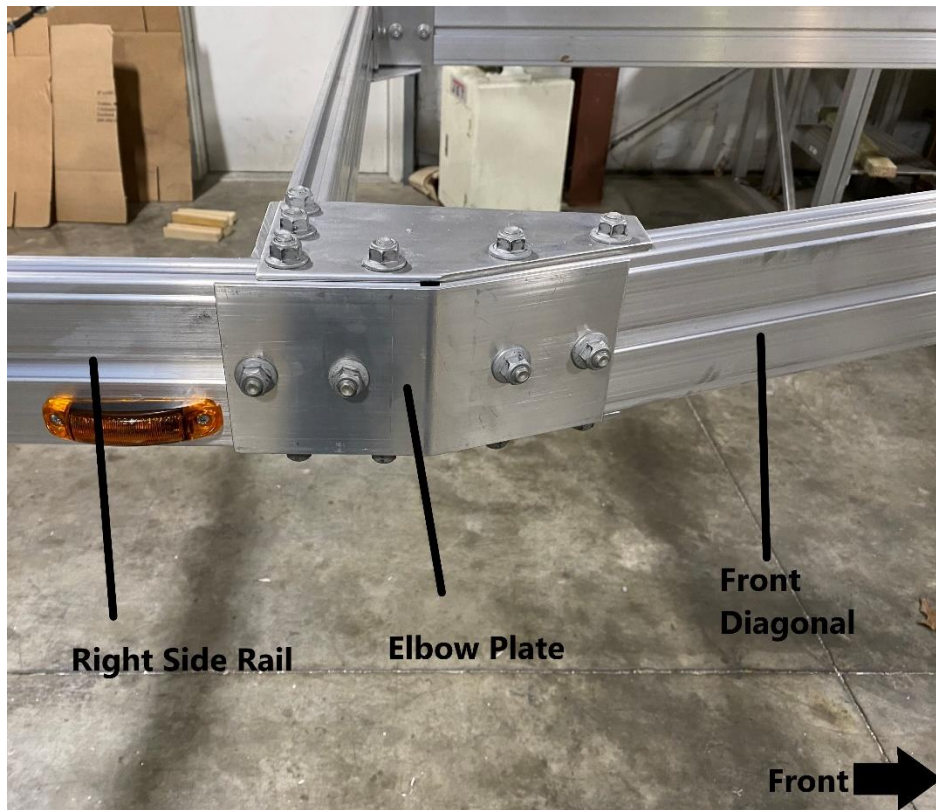




Locate (2)  $\frac{3}{4}$ " long Phillips screws found in the LED Light Kit. Install the amber marker light as shown. Repeat the process to install an amber marker light on the other side of the trailer.



Locate (2) elbow plates.

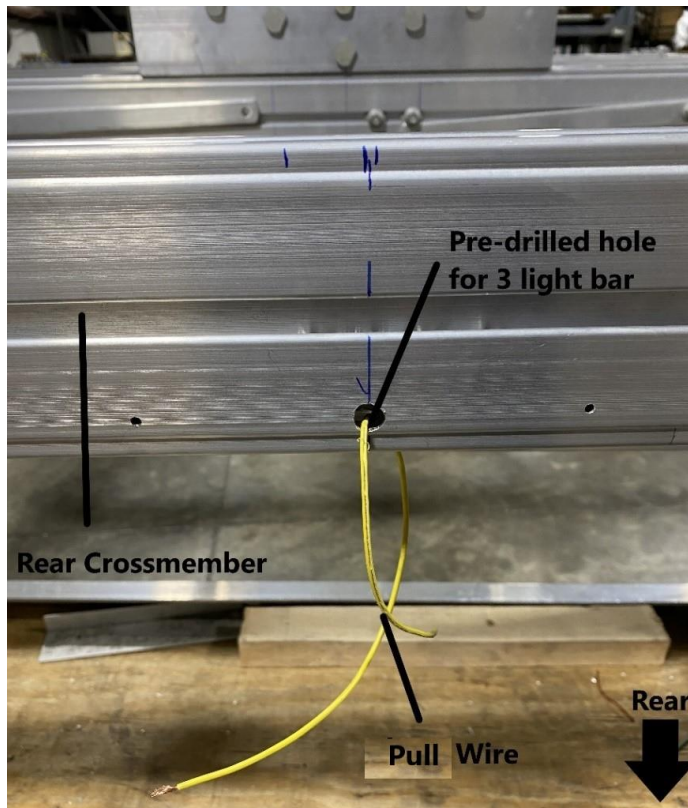


Using the (4) T-bolts installed earlier, install the elbow plate as shown. Install (4) locknuts and tighten with a 9/16" wrench. Repeat the process for the other side.



Locate the 2 foot pull wire.

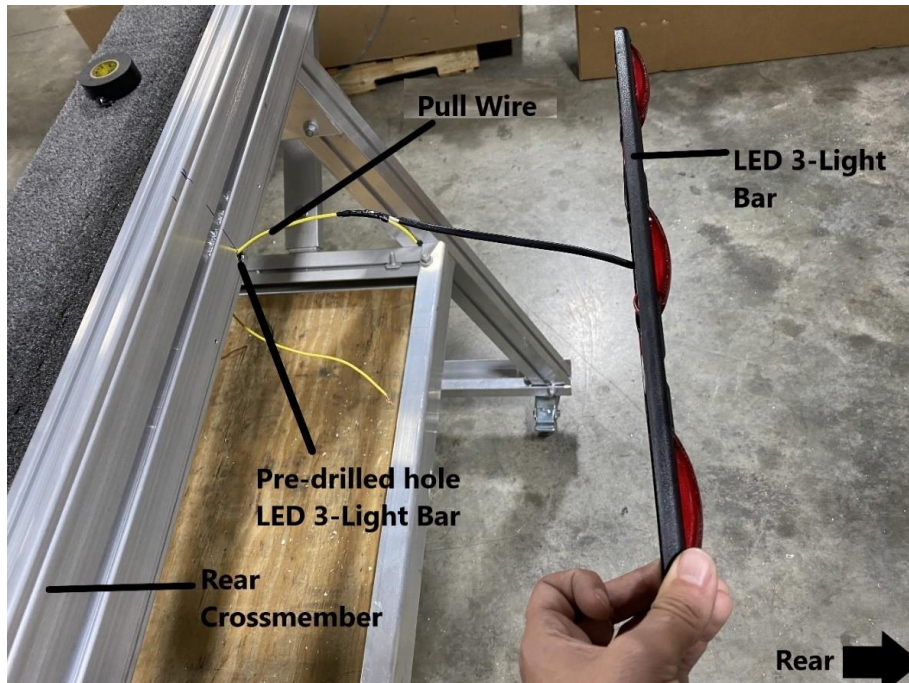




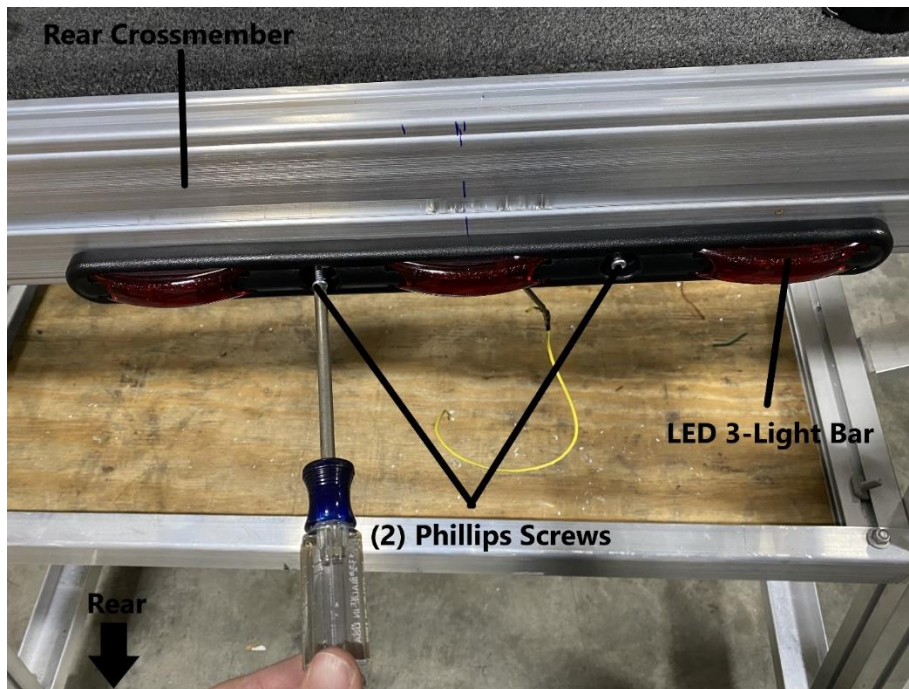
Move to the rear of the trailer. Locate the pre-drilled hole for 3 light bar found in the center of the rear crossmember. Run the pull wire through the pre-drilled hole and through the bottom of the rear crossmember as shown.



Locate the LED 3-Light Bar.

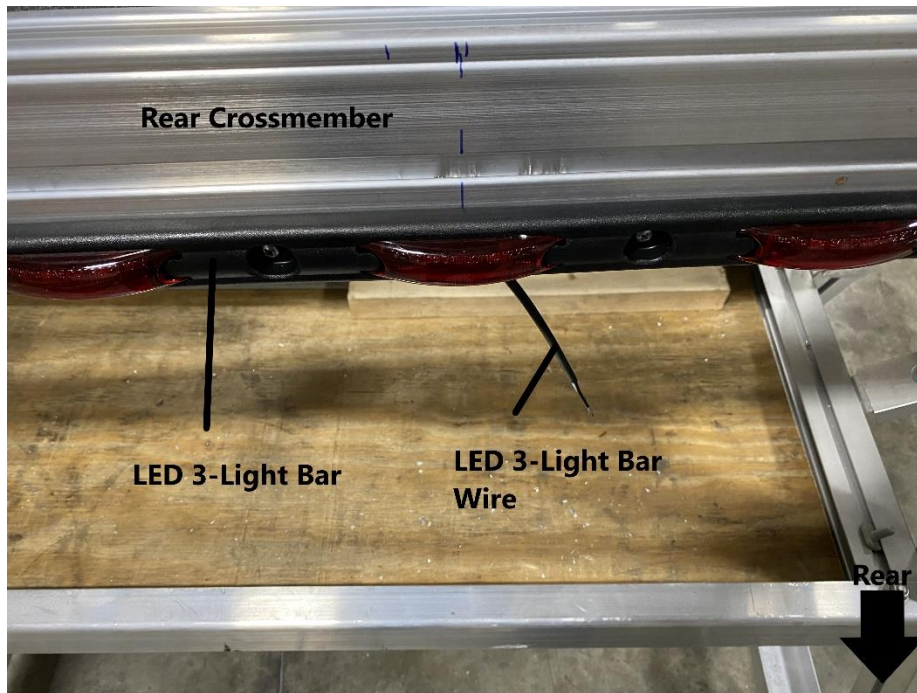


Use electrical tape to connect the pull wire to the LED 3-Light Bar wire as shown. Move the pull wire and the connected LED 3-Light Bar wire through the predrilled hole.



Locate (2) 3/8" Phillips screws found in the LED Light Kit. Install the LED 3-Light Bar to the rear crossmember as shown.

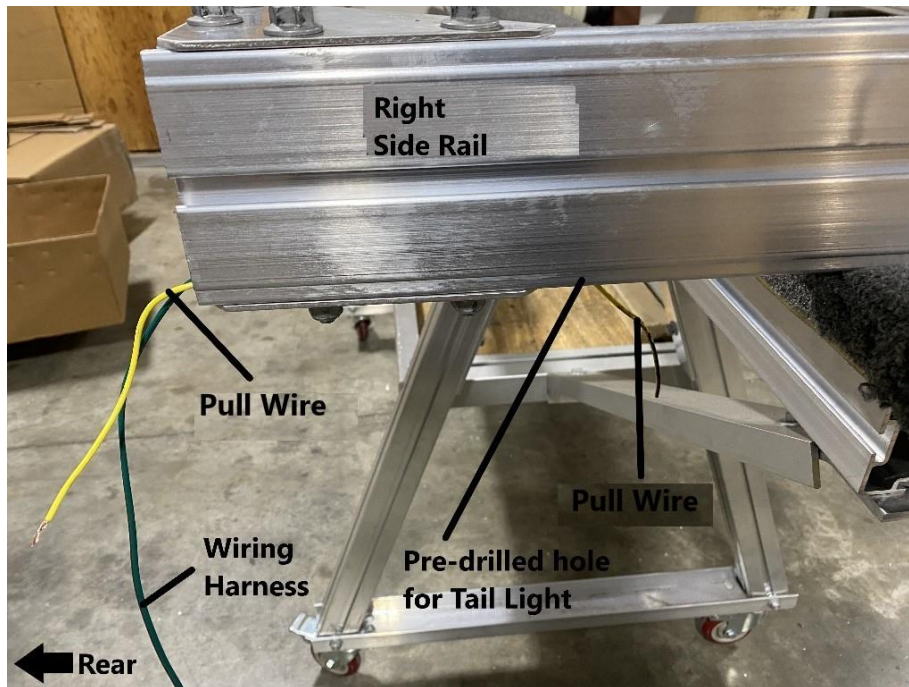




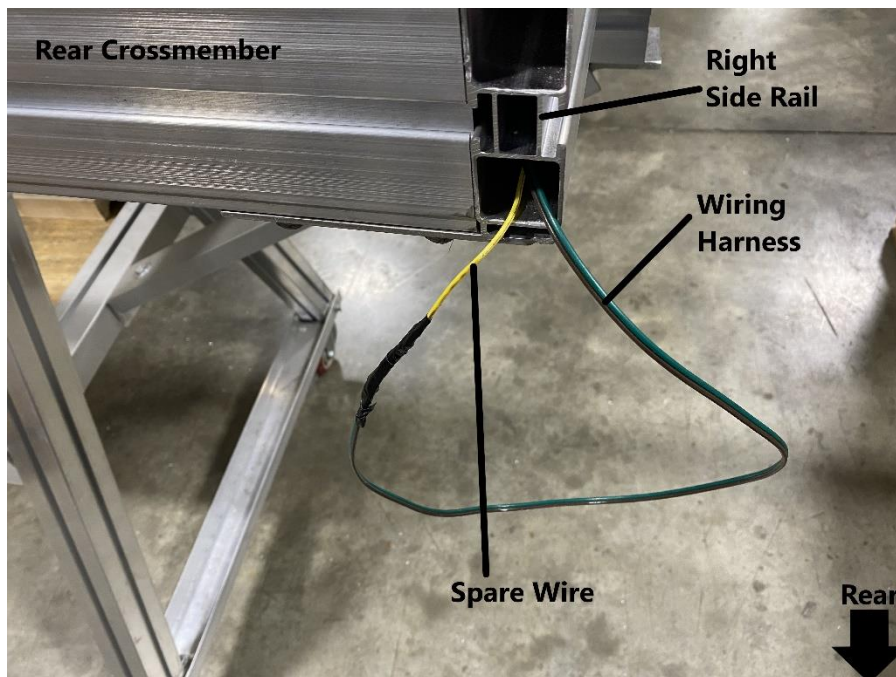
Remove the electrical tape and the pull wire from the LED 3-Light Bar wire.



At this point the trailer looks like this.

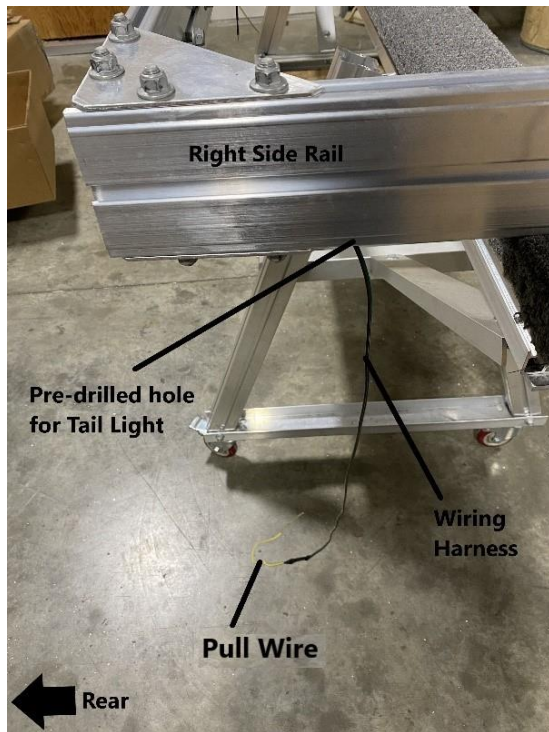


Locate the pre-drilled hole for tail light on the bottom of the right side rail. Run the 2 foot pull wire through the pre-drilled hole and out the end of the right side rail.



Use electrical tape to connect the end of the wiring harness to the pull wire.





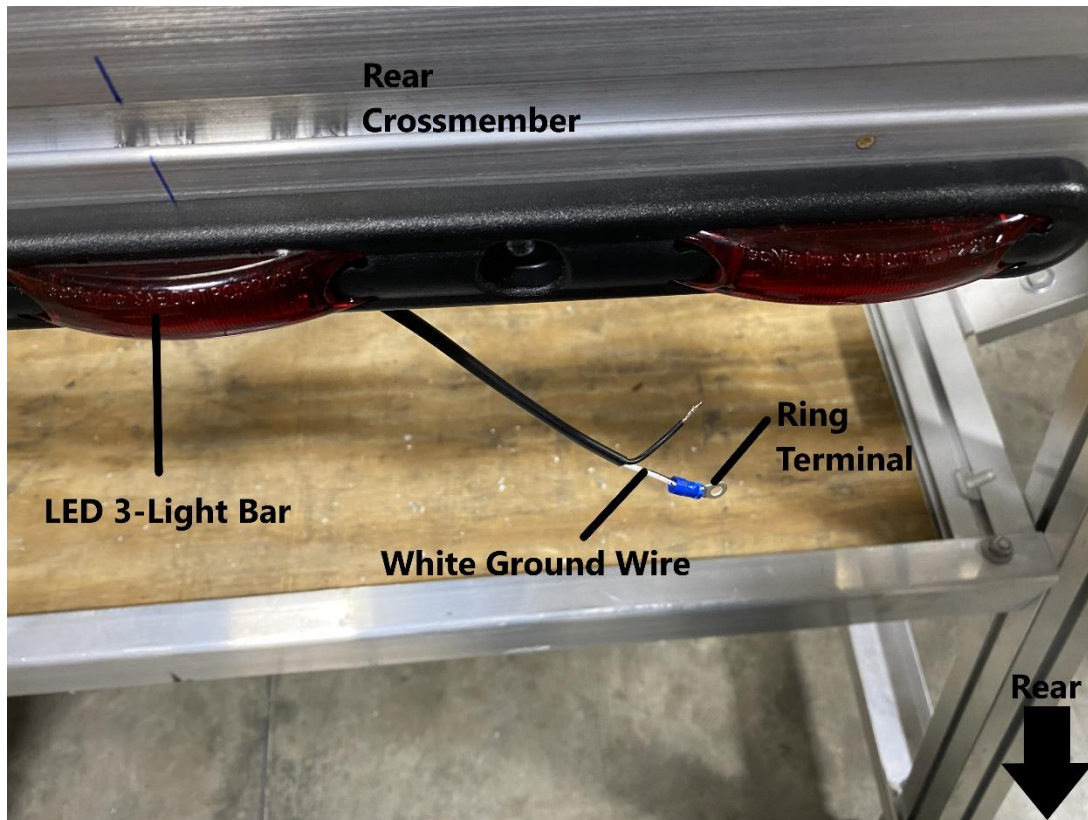
Move the wiring harness through the pre-drilled hole for tail light until the wiring harness is hanging underneath the right side rail. Remove the electrical tape and the pull wire.



Install a snap bushing to the pre-drilled hole for tail light. Repeat this process on the other side of the trailer.



Locate a ring terminal found in the LED Light Kit.



Crimp a ring terminal to the white ground wire of the LED 3-Light Bar as shown.

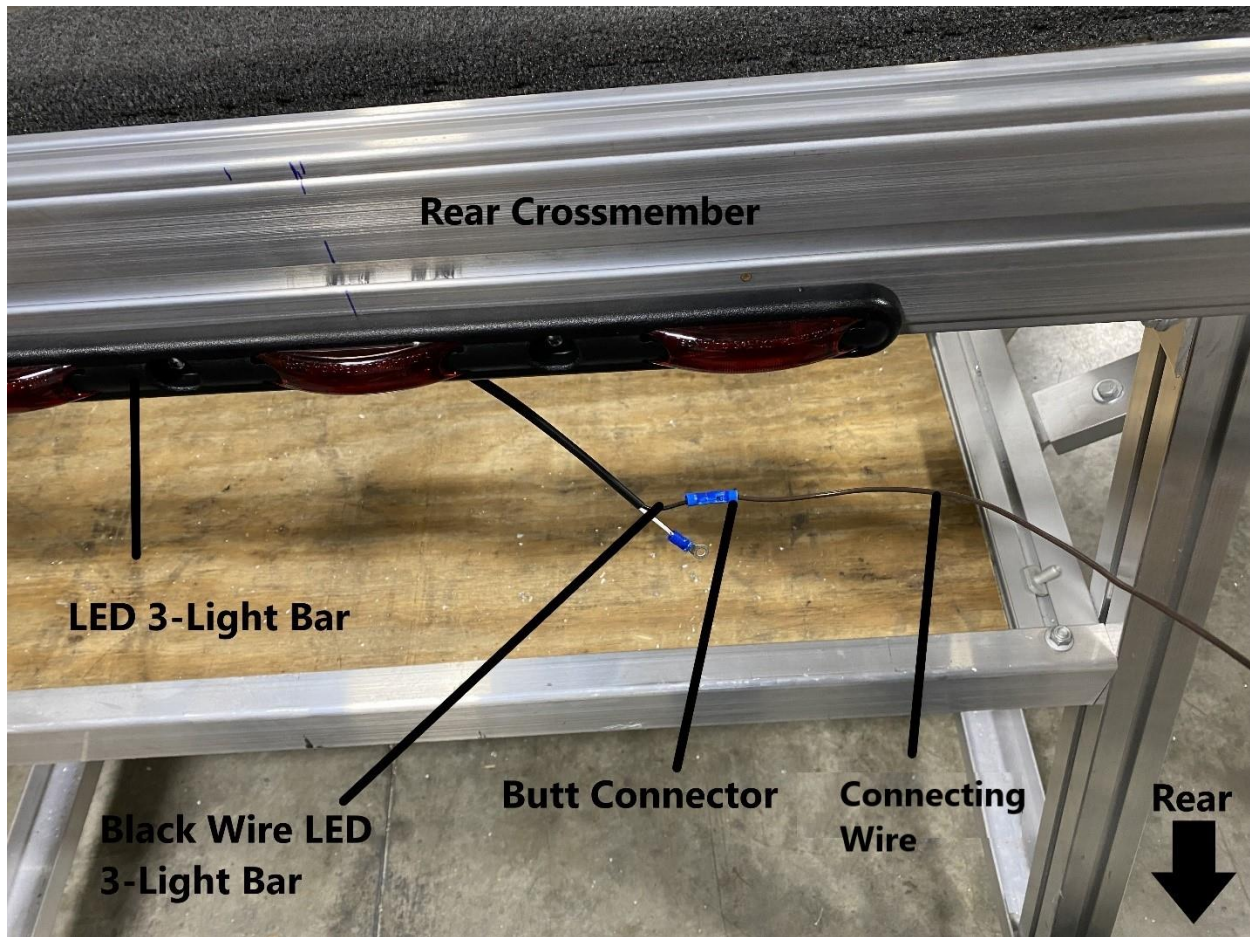




**Locate the 5 foot connecting wire in the LED Light Kit.**



**Locate the butt connectors found in the LED Light Kit.**

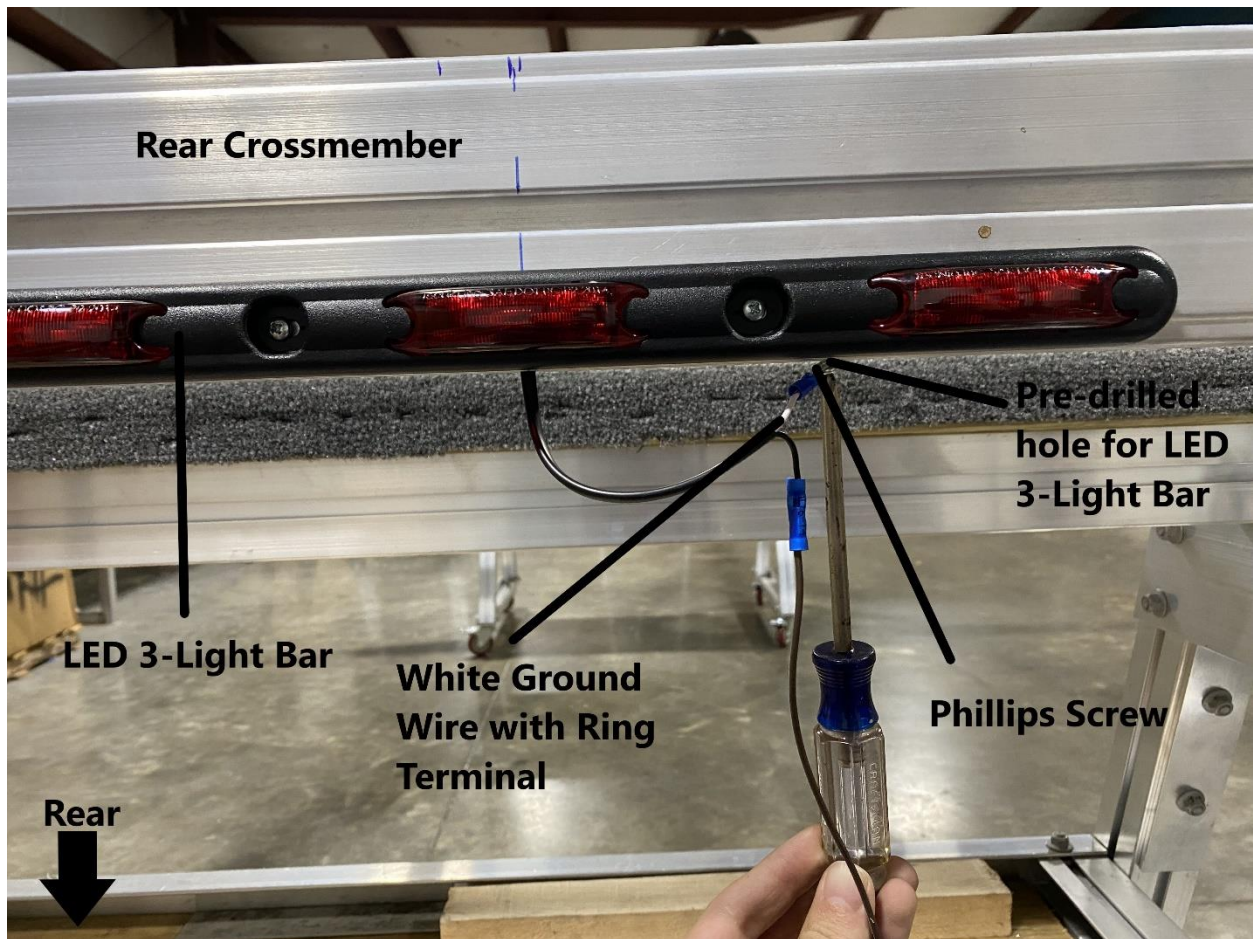


Use a butt connector to attach the black wire on the LED 3-Light Bar to the connecting wire. Insert both wires into the butt connector and crimp the butt connector.



Locate the  $\frac{3}{4}$ " long Phillips screw that is found in the LED Light Kit.

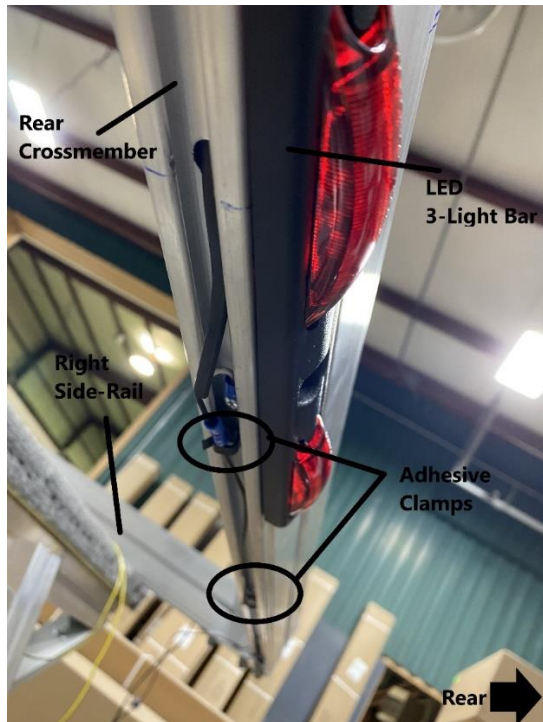




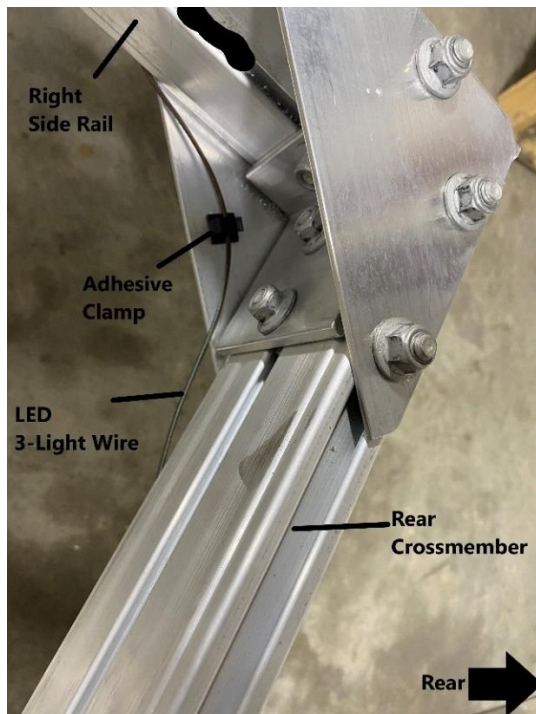
Use the Phillips screw to install the wire ground wire with ring terminal of the LED 3-Light Bar to the pre-drilled hole found in the bottom groove of the rear crossmember.



Locate the adhesive clamps found in the LED Light Kit.



Use adhesive clamps to run the LED 3-Light Bar wire and connecting wire towards the right side rail as shown. Remove the adhesive back from the clamp, place the wire in the clamp, then install the clamp into the bottom groove of the rear crossmember.



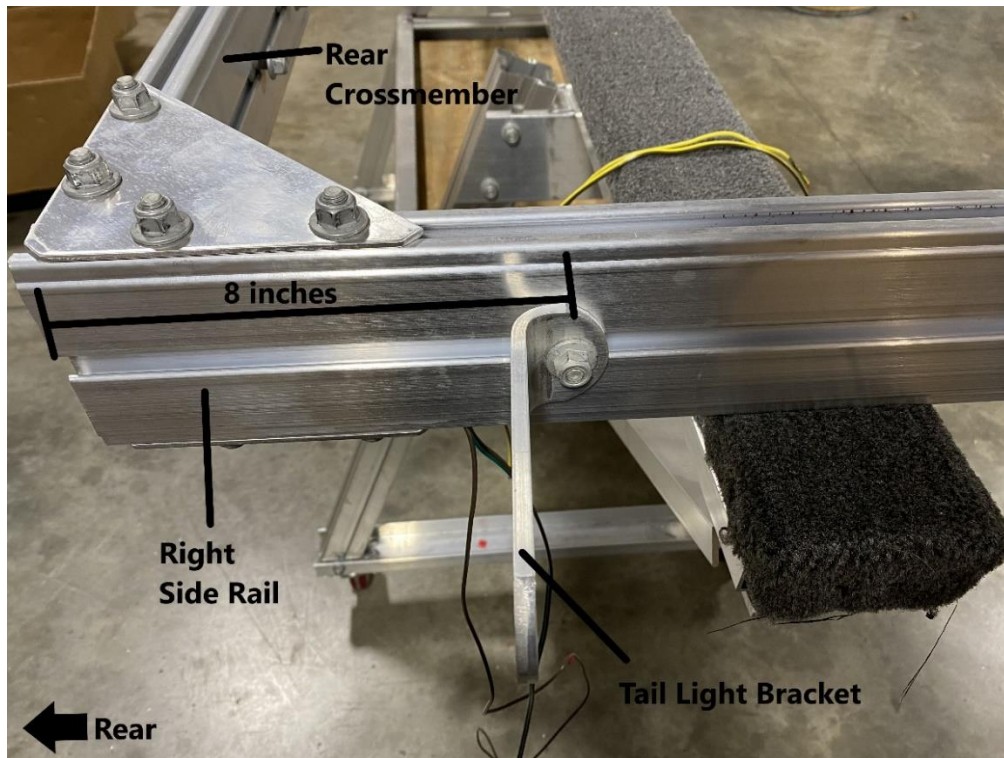
Continue running the LED 3-Light wire and connecting wire towards the right side rail. Place an adhesive clamp as shown.



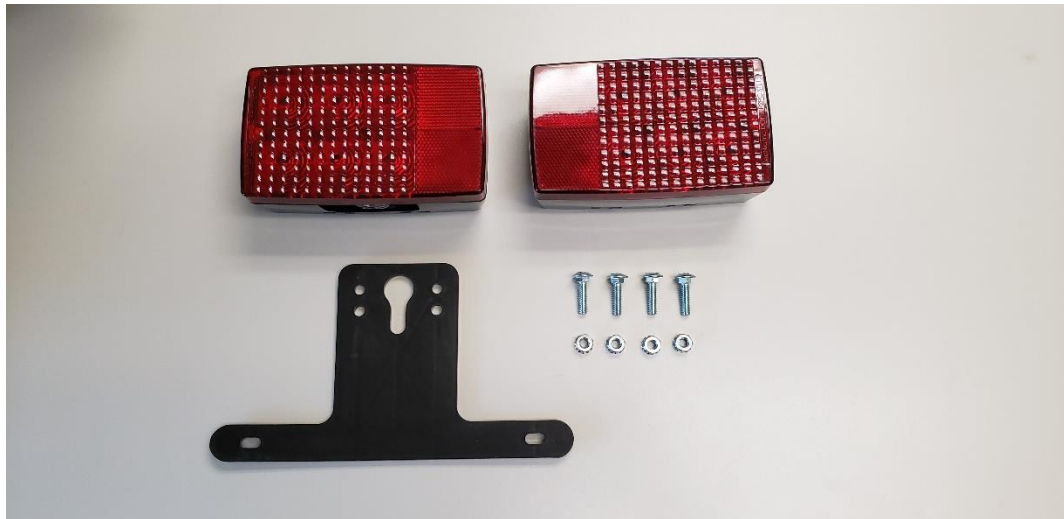


**(2) Tail Light Brackets**

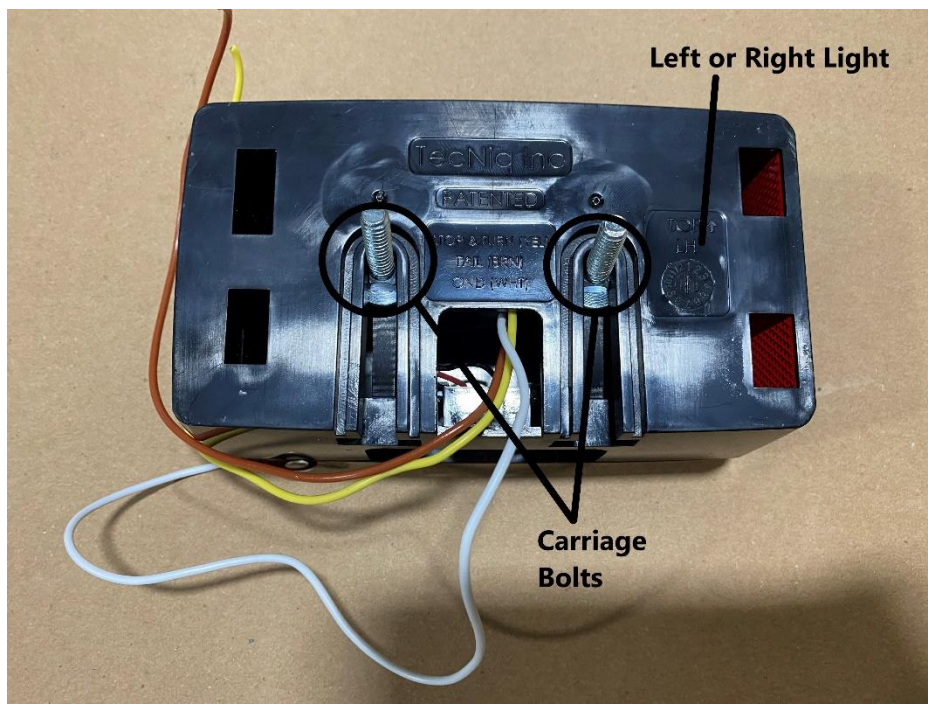
**Locate (2) Tail Light Brackets.**



**Install the Tail Light Bracket as shown. Measure 8 inches from the end of the right side rail and slide the T-bolt on the tail light bracket into the groove of the right side rail. Tighten the locknut using a 9/16" wrench. Repeat this process on the left side rail to install both tail light brackets.**



Locate (2) tail lights, (1) license plate bracket, (4) carriage bolts and (4) nuts. These will be inside the LED Light Kit.



Place the (2) Carriage bolts into the grooves in the tail lights as shown. Note that the back of tail light shows if the light is the left/driver side (LH) or the right/passenger side (RH). It will also show which end is the top of the tail light.