

# ENCLOSED CAR TRAILER TIRE RACK OPTION (10-214)



## **Suggested Tools:**

**9/16" Open End Wrench**

**1/8" Allen Wrench**

**Measuring Tape**

## **ASSEMBLY REQUIREMENTS**

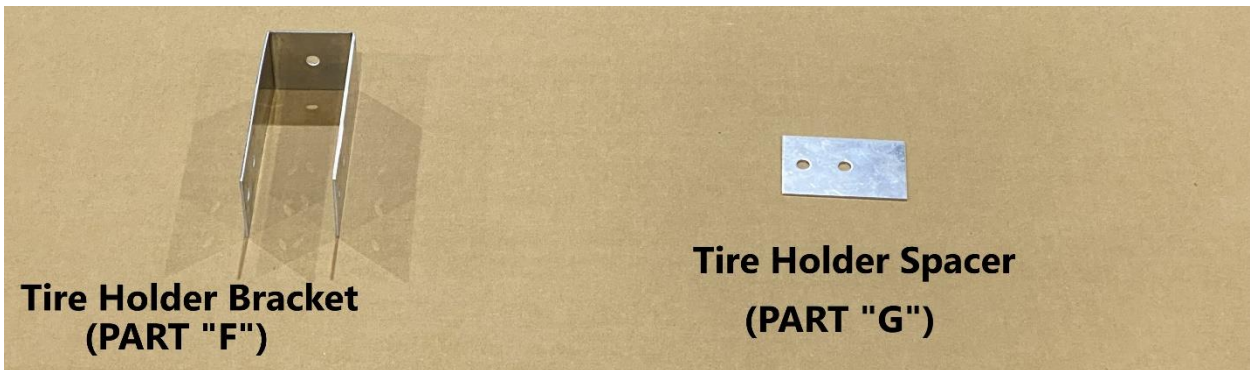
**Torque all T-bolt nuts to 35-40 foot pounds.**

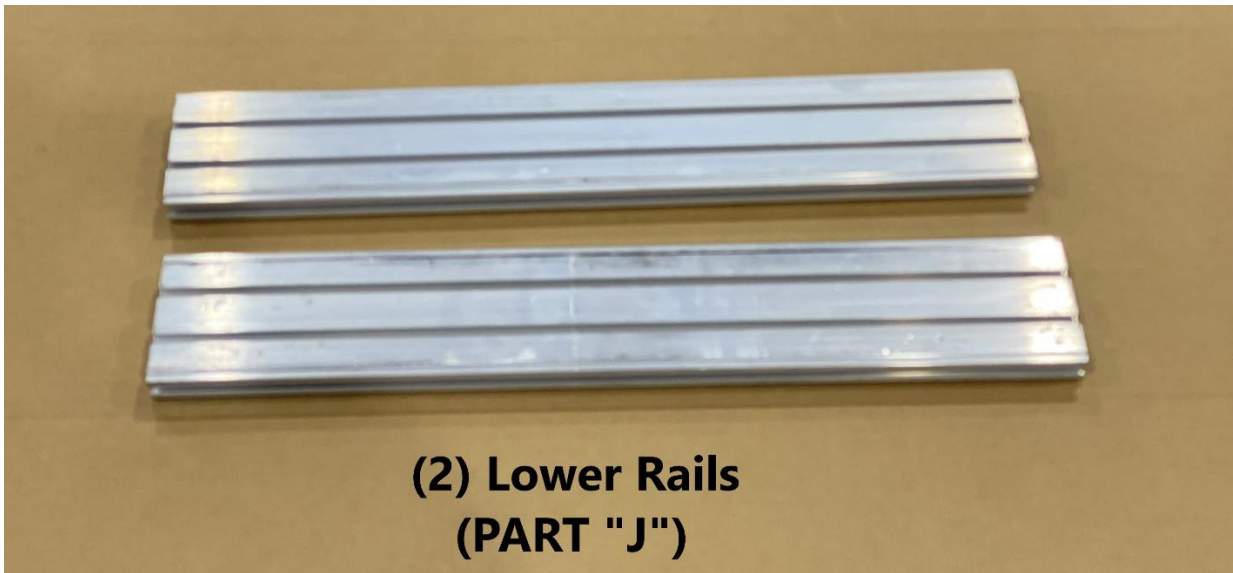
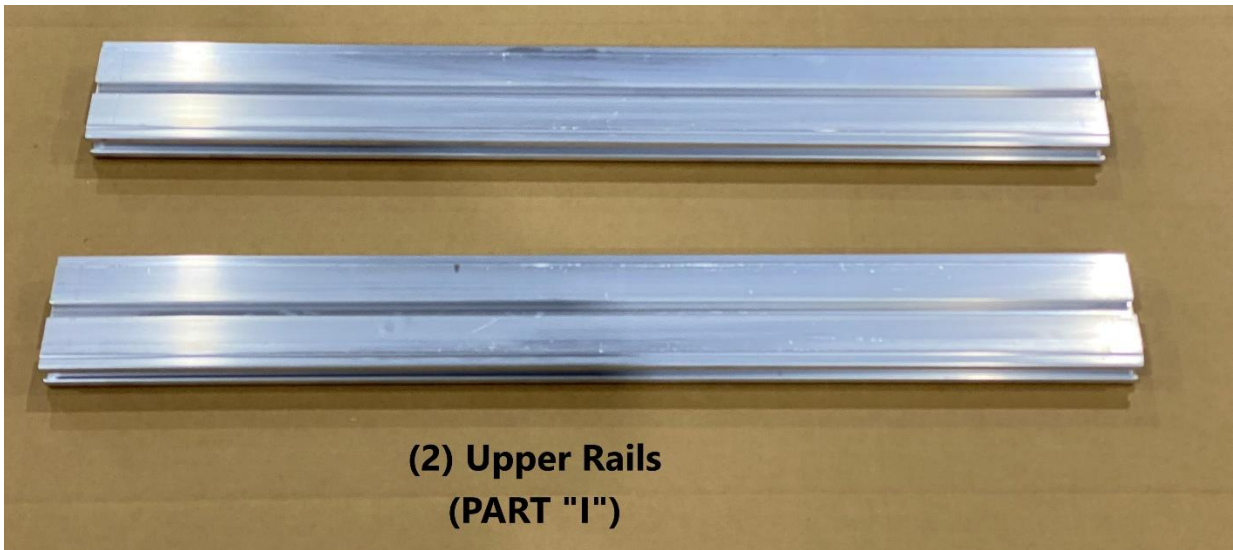
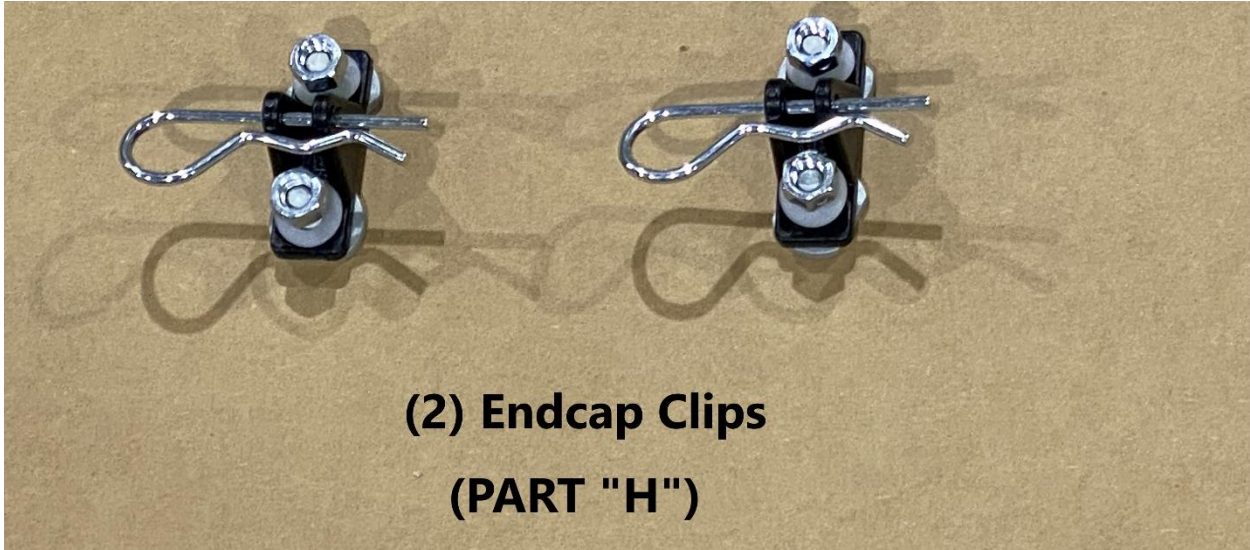
**Failure to follow the assembly instructions could result in serious injury or death.**

**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







**Hardware Bag  
(PART "K")**

## ASSEMBLY INSTRUCTIONS



**Enclosed Skin**

Before installing the tire rack, note the enclosed skin in the above picture. Great care should be used when installing the tire rack as to not damage the enclosed skin. The enclosed trailer should also be empty before installing the tire rack.

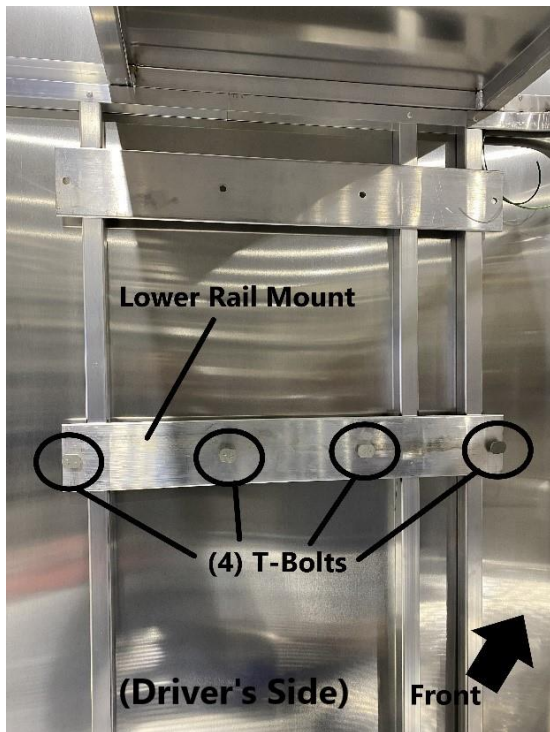


**Hardware Bag  
(PART "K")**

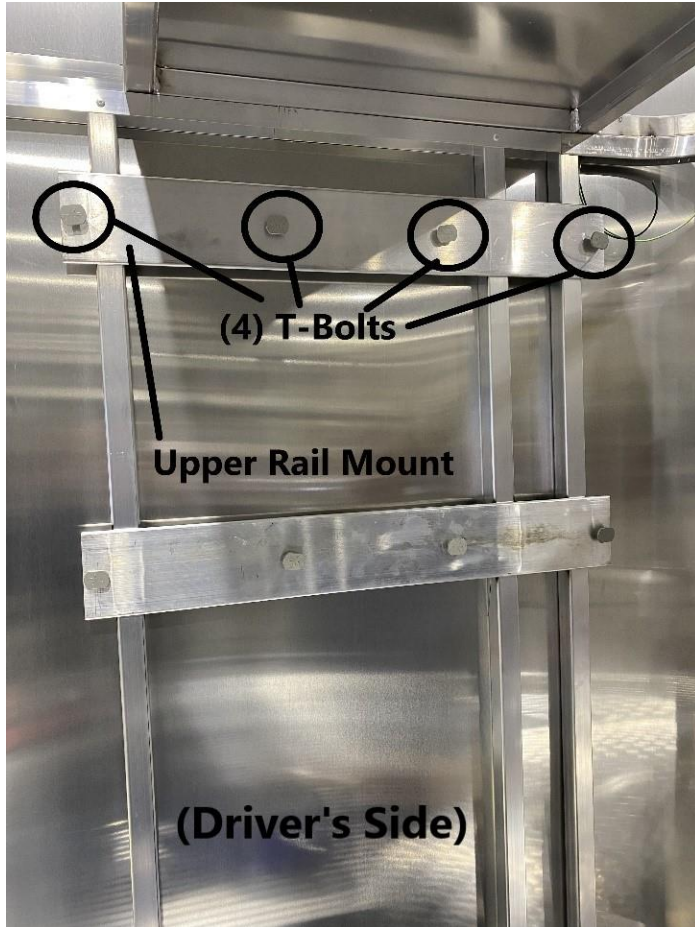
Locate the hardware bag (part "K"). Remove (4) T-bolts and (4) flange nuts from the hardware bag.



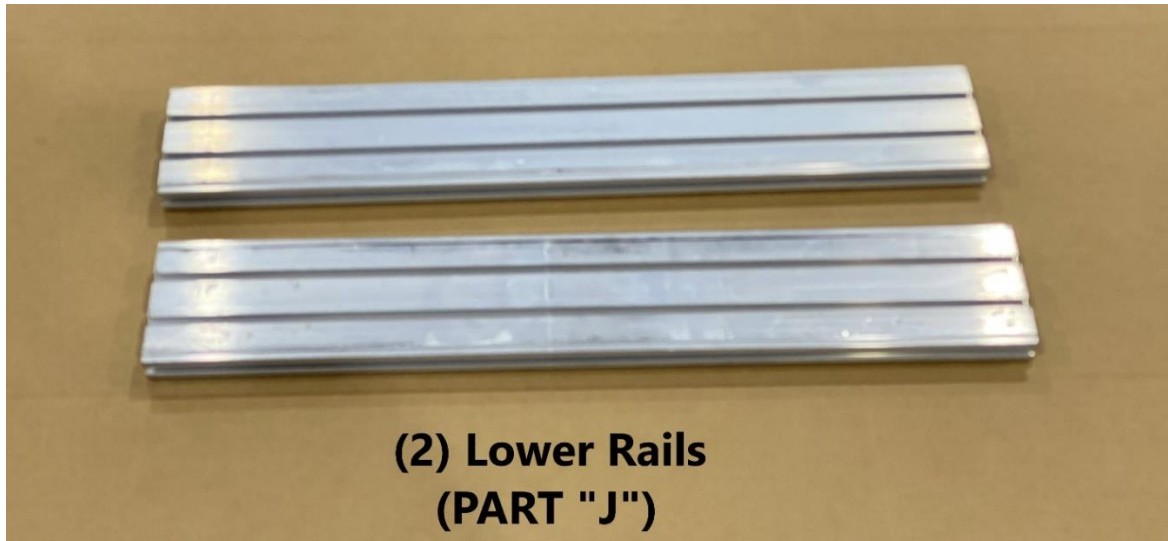
Move to the inside of the enclosed car trailer. Locate the lower rail mount on the driver's side of the trailer. This will be close to the front of the trailer.



Loosely install (4) T-Bolts and (4) flange nuts to the lower rail mount as shown. The head of the T-bolt will be facing the inside of the trailer and the flange nut will be installed behind lower rail mount.

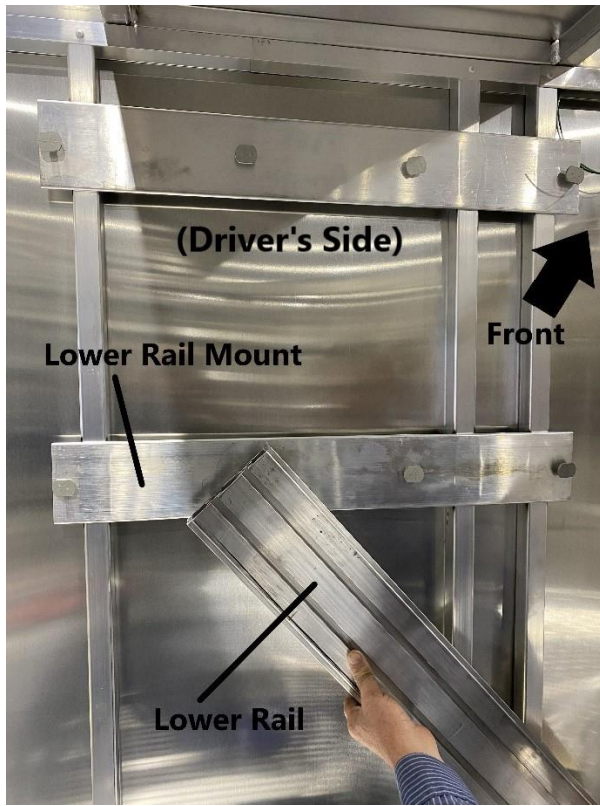


Repeat this process to loosely install (4) T-bolts and (4) flange nuts to the upper rail mount.

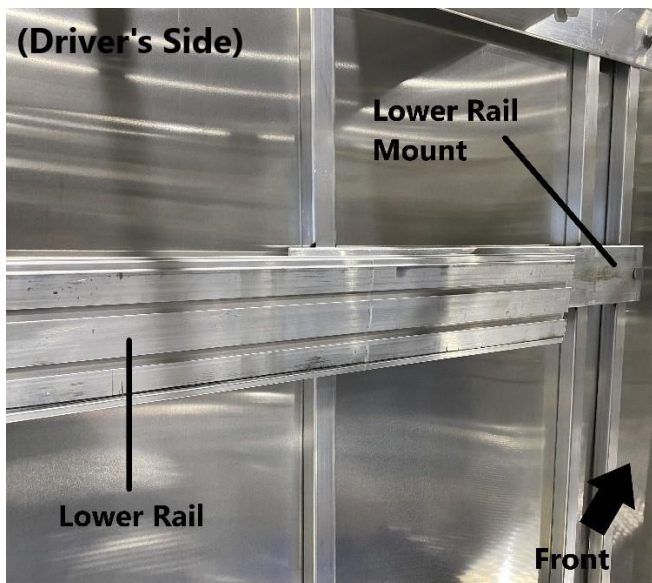


Locate the (2) lower rails (part "J")

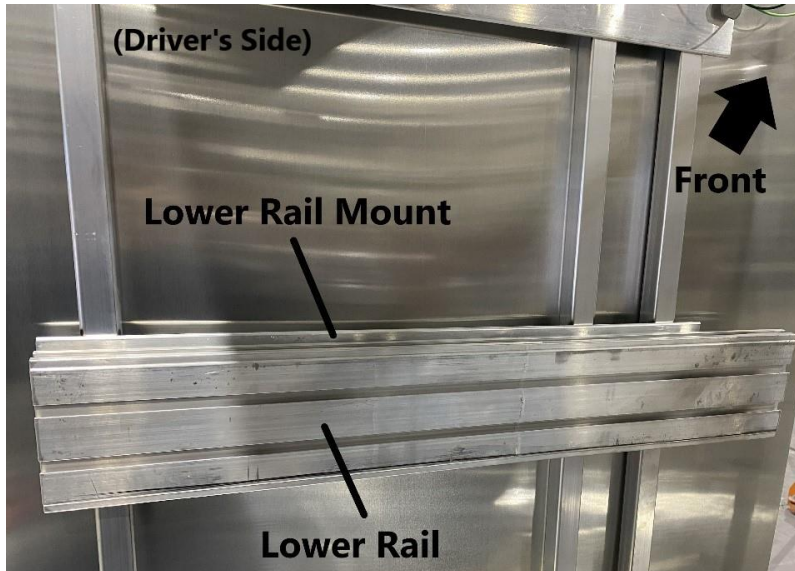




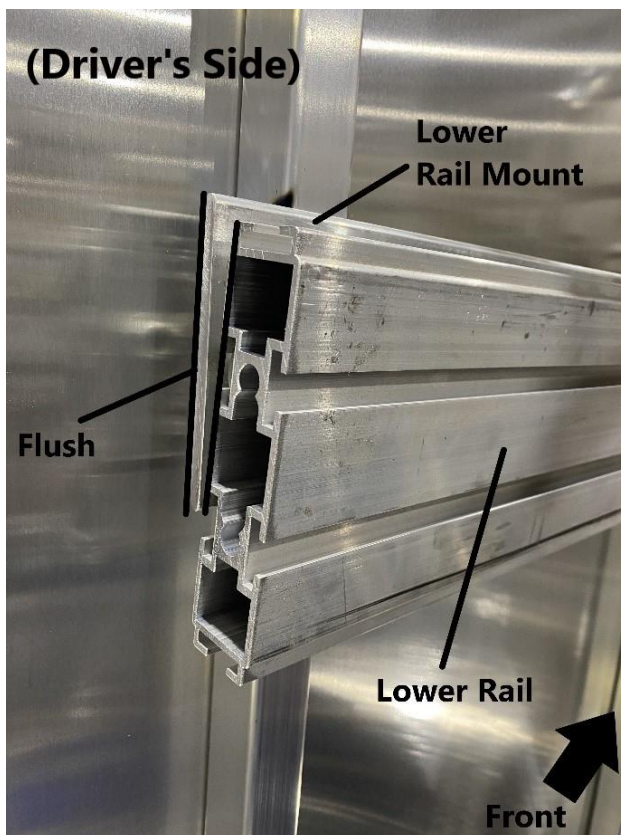
Starting with the second T-Bolt installed on the lower rail mount, slide the T-bolt head into the groove of the lower rail. Take care not to damage the enclosed skin during installation of the rails.



Continue sliding the lower rail towards the rear of the trailer. Install the first T-bolt into the groove of the lower rail.



Slide the lower rail towards the front of the trailer, installing the remaining third and fourth T-bolts in to the groove of the lower rail. At this point all four T-bolts should be installed in the groove of the lower rail.



Confirm that the left side of the lower rail is flush with the left side of the lower rail mount. At this point the flange nuts can be tightened. Tighten the flange nuts using a 9/16" wrench. Take care not to damage the enclosed skin while tightening the flange nuts.

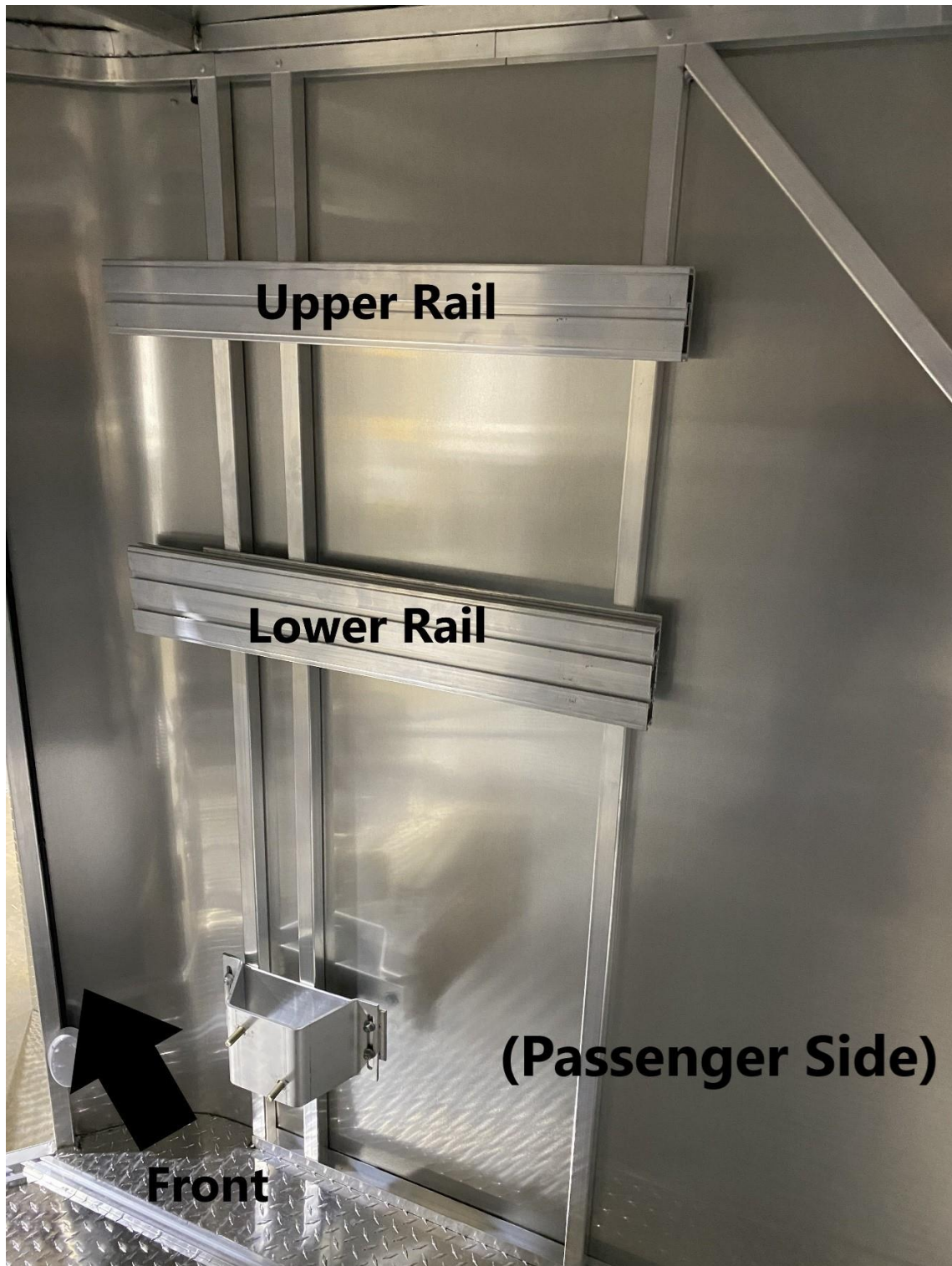


**(2) Upper Rails  
(PART "I")**

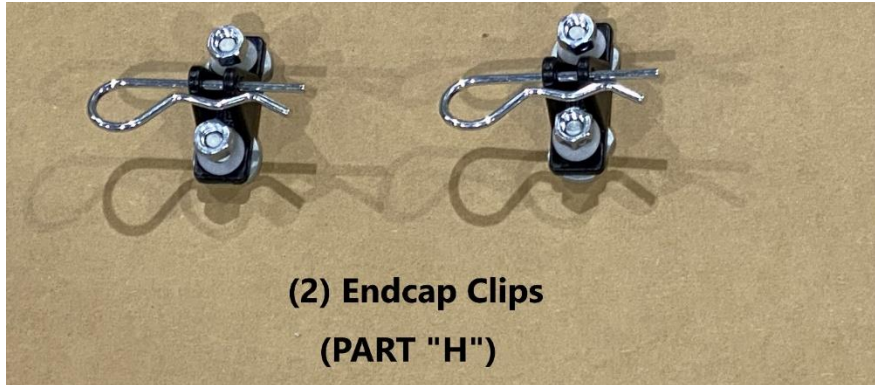
**Locate the (2) upper rails.**



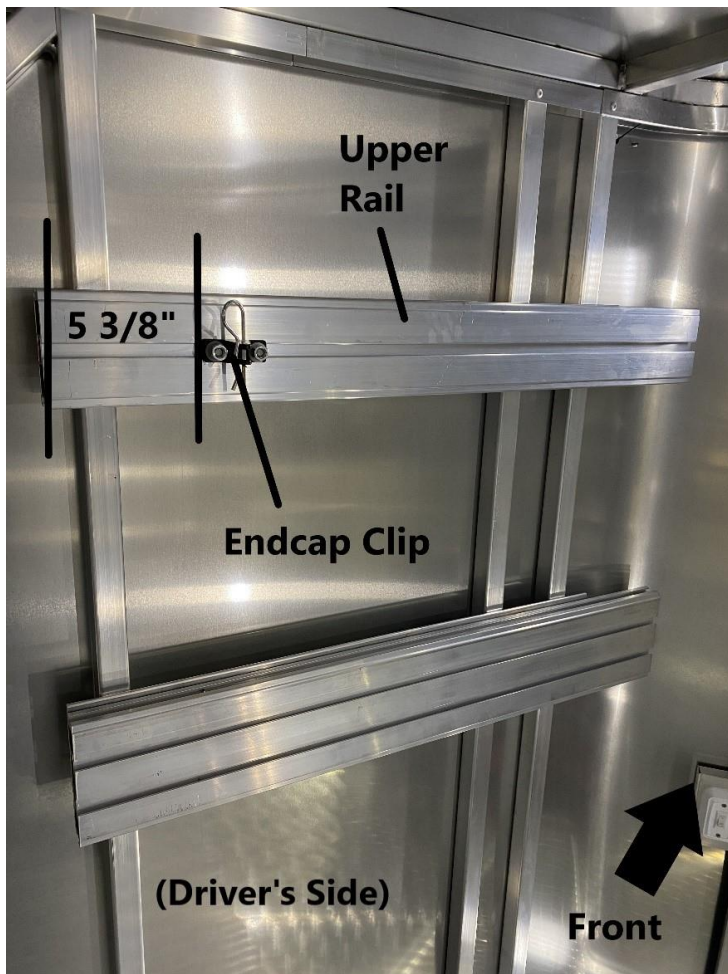
**Repeat the earlier steps to install an upper rail. At this point the trailer will look like this.**



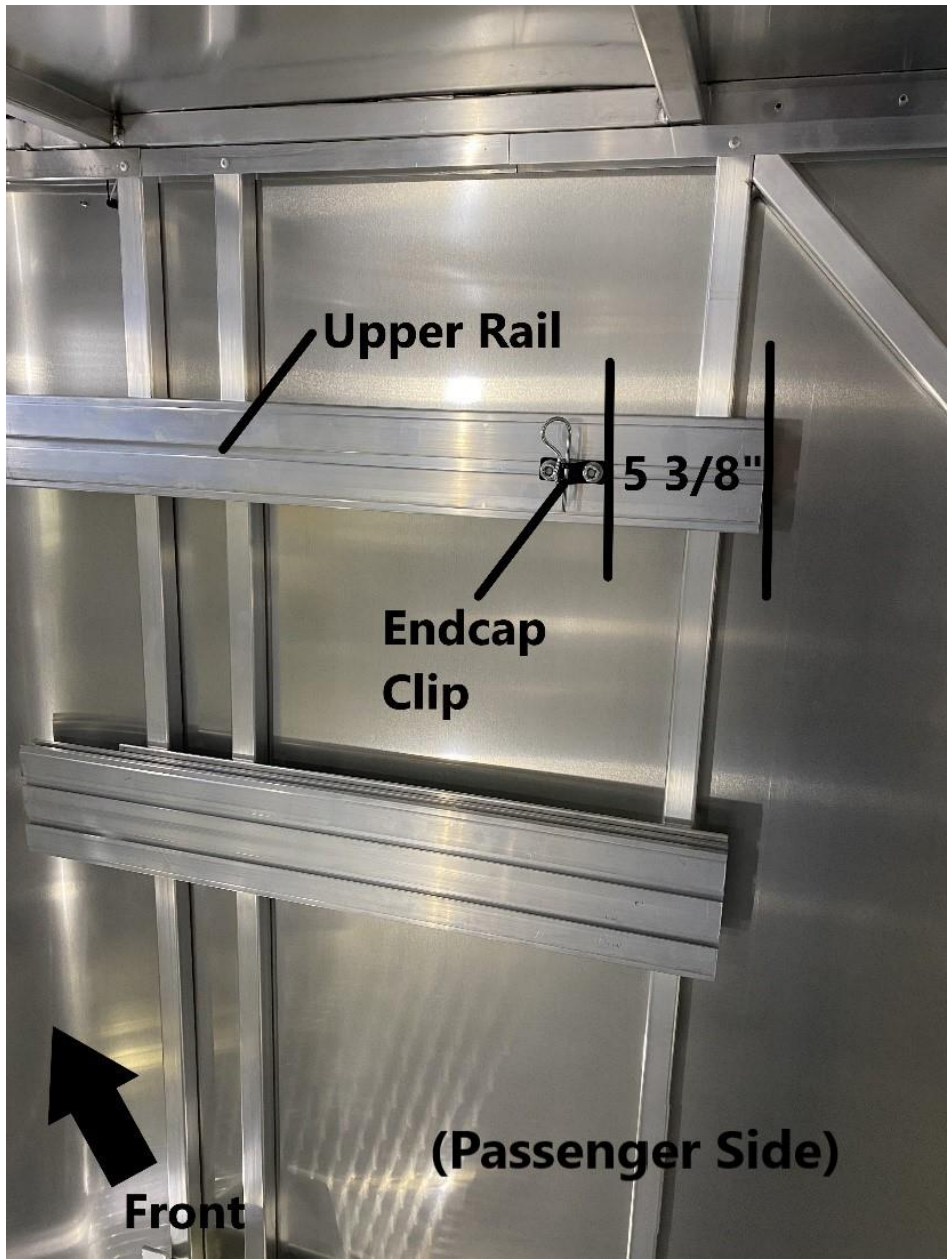
Move to the passenger side of the trailer. Repeat the earlier steps to install the remaining upper and lower rails to the mounts on the passenger side. At this point the passenger side of the trailer will look like this.



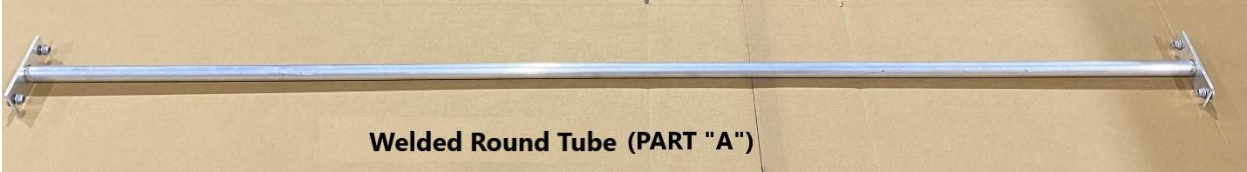
Locate the (2) endcap clips (Part "H").



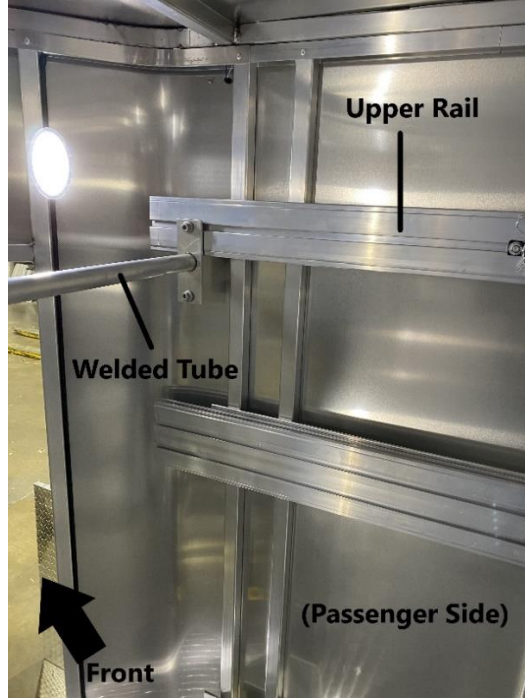
Install the endcap clip to the driver's side upper rail as shown. Measure 5 3/8" from the end of the upper rail to the left side of the endcap clip. Tighten the nuts installed on the endcap clip using a 9/16" wrench. Note that the 5 3/8" measurement is what we consider a reasonable starting point. This can be changed later if needed.



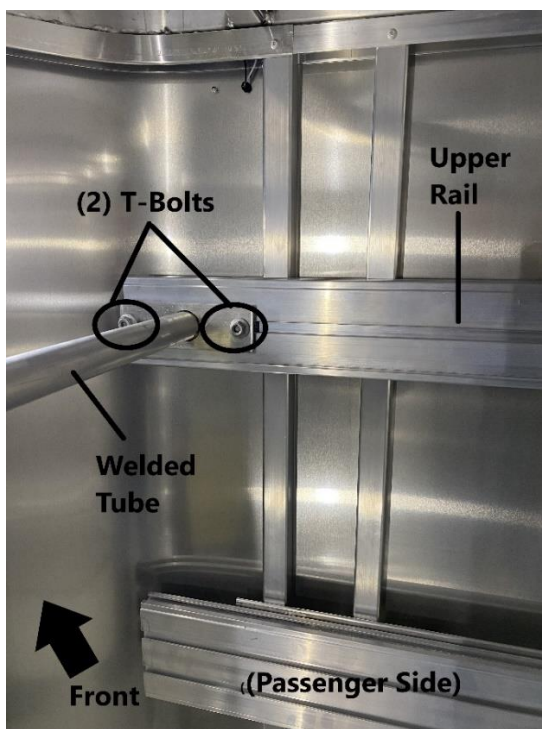
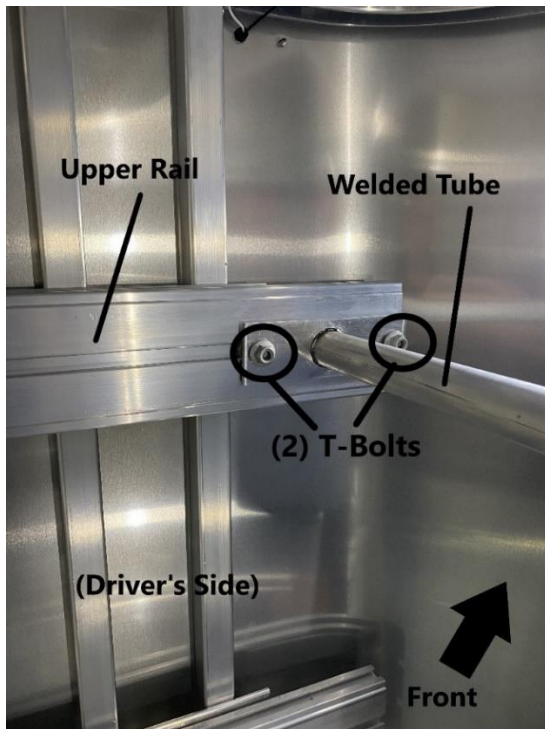
Repeat this process to install the remaining endcap clip to the passenger side upper rail.



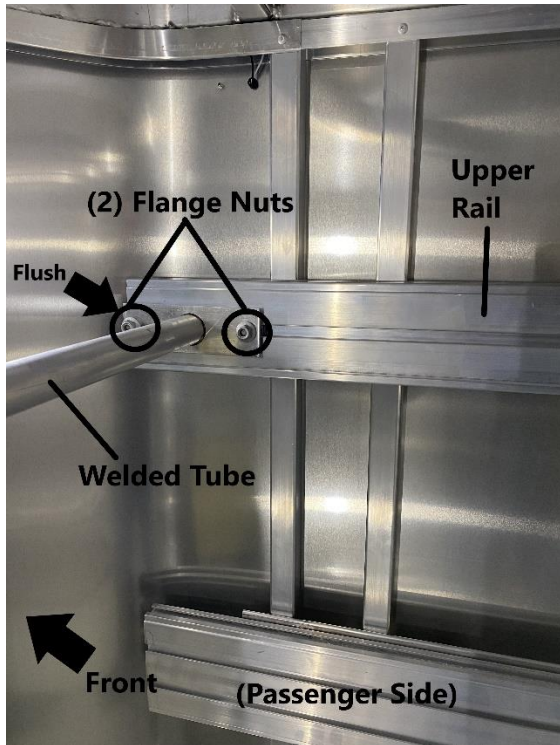
Locate the welded round tube (Part "A").



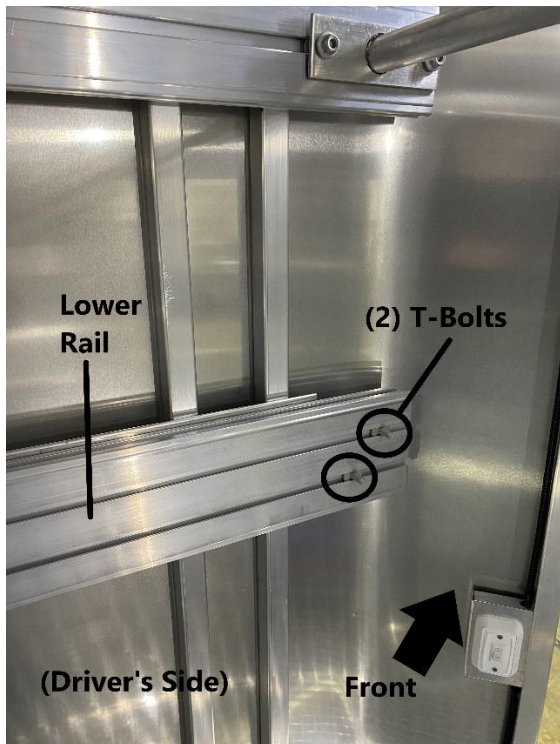
Two people will be necessary to install the welded tube. Carefully bring the welded tube into the trailer. Loosely install the welded tube into the grooves of the upper rails as shown.



Rotate the welded tube sideways and install the remaining T-bolt into the grooves of the upper rails as shown. Great care should be taken as to not damage the enclosed skin when installing the welded tube.

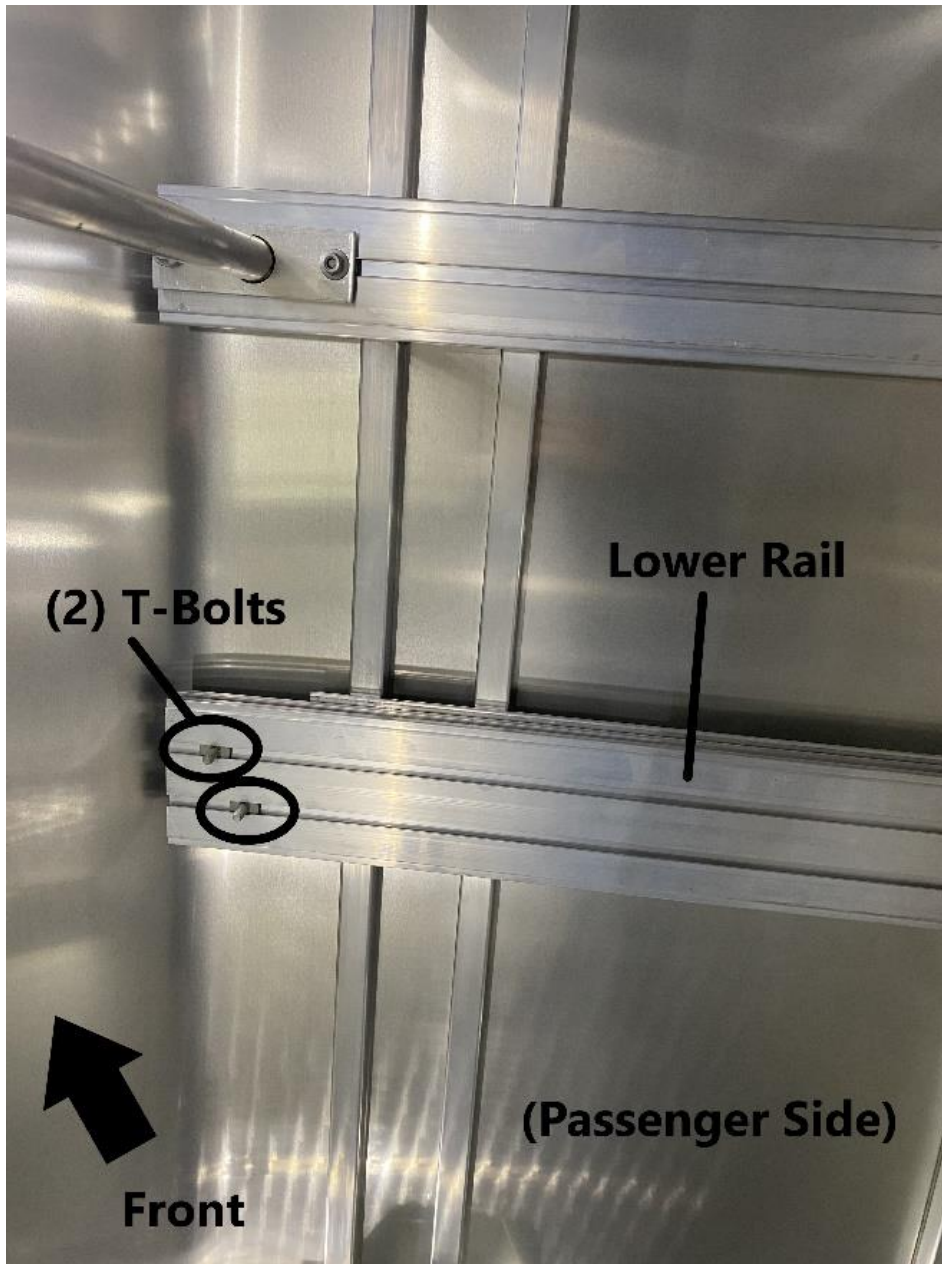


Confirm that the end of the welded tube is flush with the end of the upper rail. Tighten the (2) flange nuts using a 9/16" wrench. Repeat this process for the driver's side.



Locate (2) T-bolts from the hardware bag (Part "K"). Install (2) T-bolts into the grooves of the lower rail on the driver's side as shown.

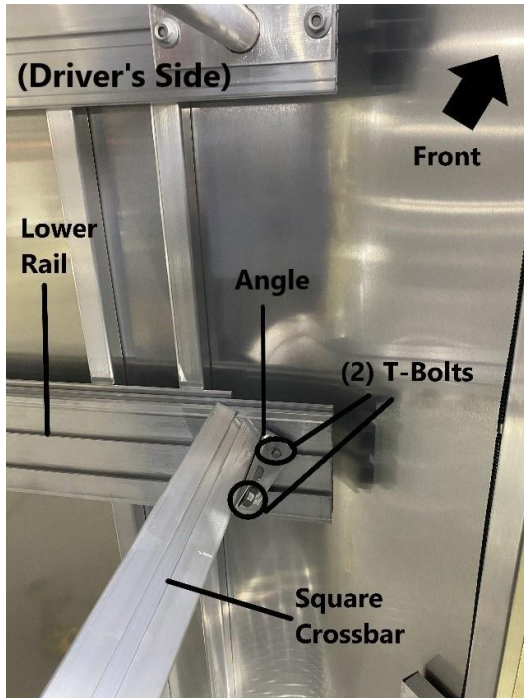




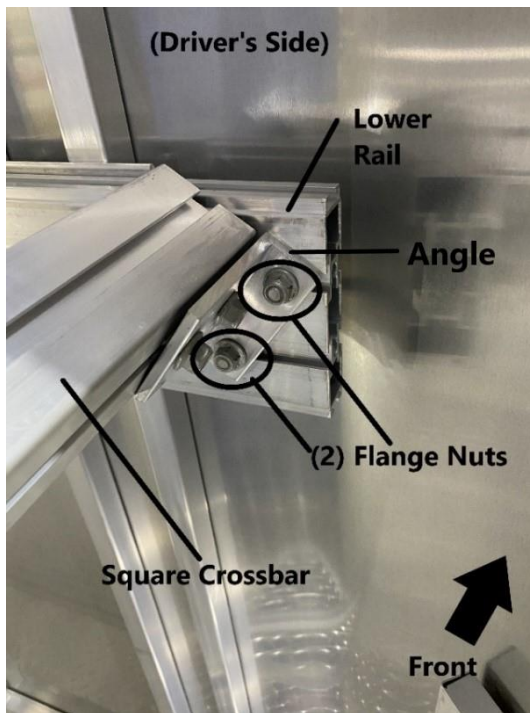
Repeat this process for the passenger side.



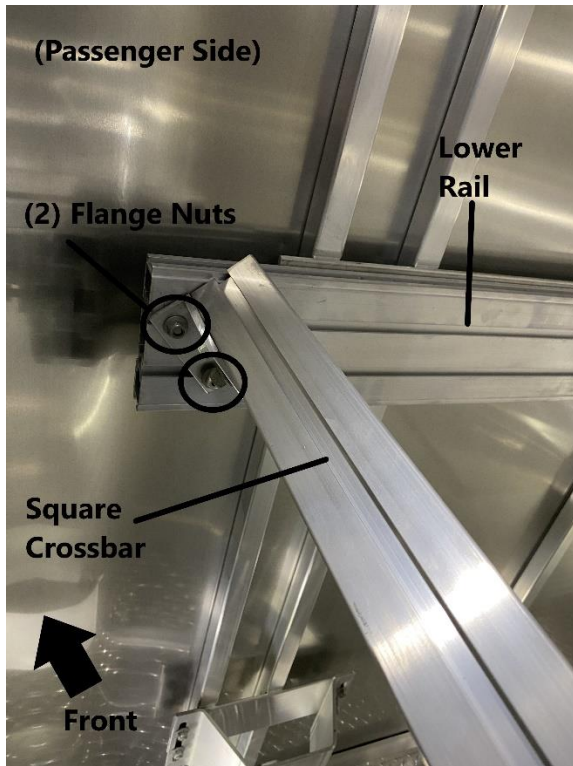
Locate the square crossbar assembly without black knob installed (Part "C"). Note the (2) angles installed on the square crossbar assembly.



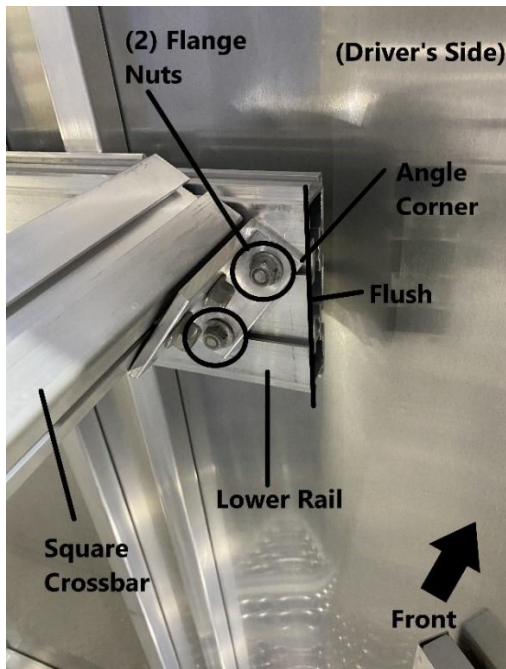
Two people will be necessary to install the square crossbar assembly (Part "C"). The square crossbar assembly must be supported by a second person during this process. Carefully bring the square crossbar into the trailer. Install the angle on the square crossbar assembly to the (2) T-bolts installed on the lower rail. Use caution during this step as to not damage the enclosed skin.



Loosely install (2) flange nuts on the (2) T-bolts as shown.



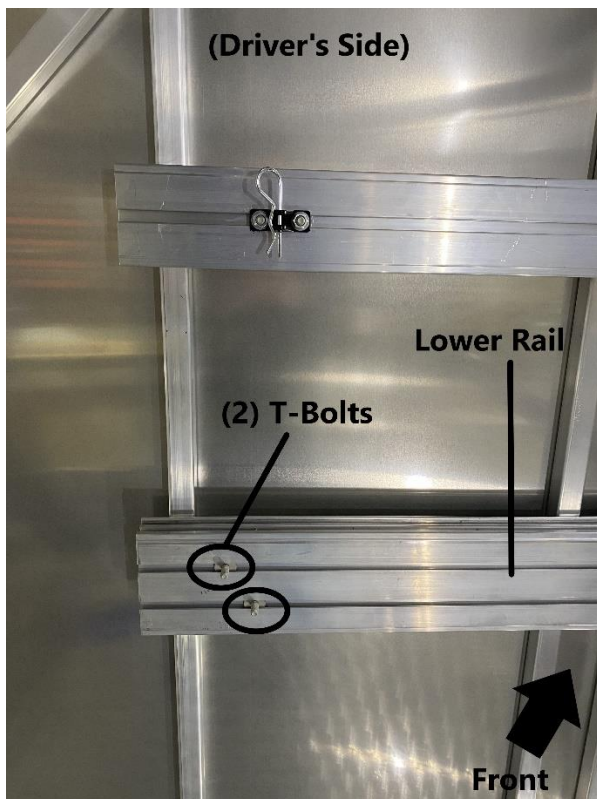
Repeat this process for the passenger side. Use caution during this step as to not damage the enclosed skin.



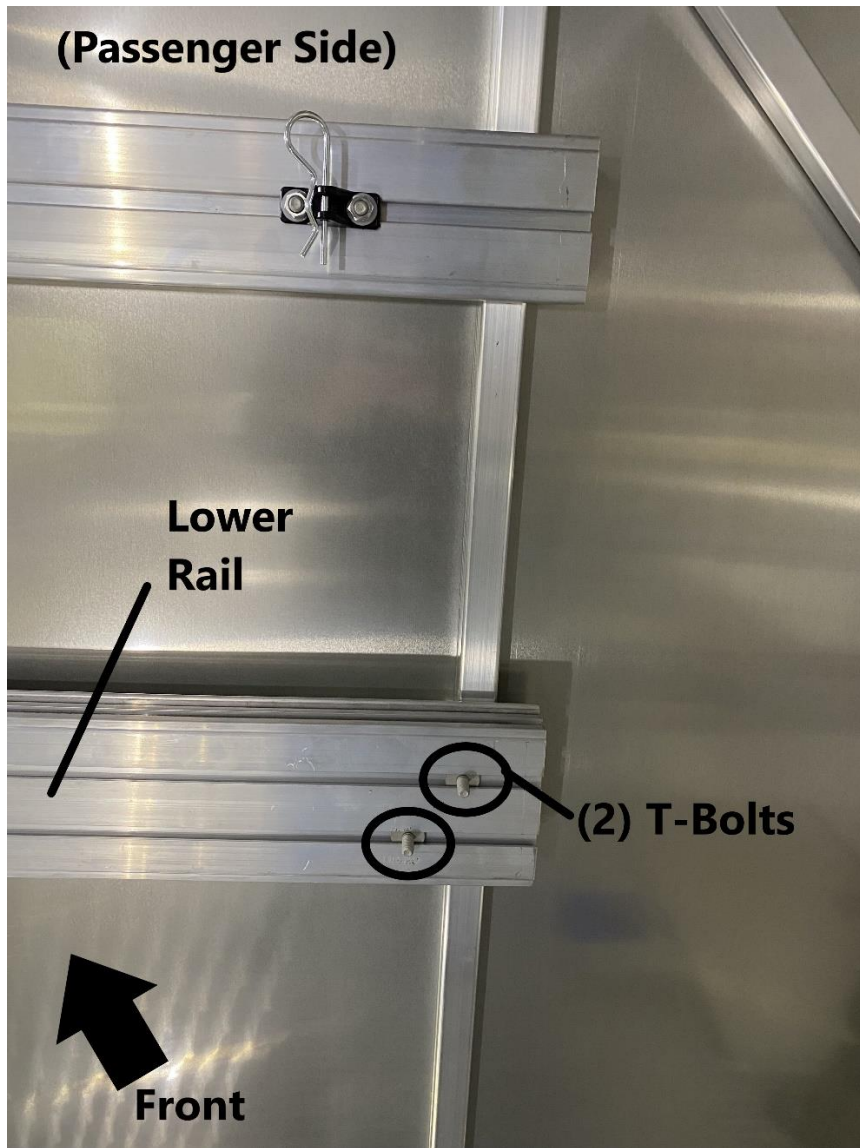
Slide the square crossbar assembly so that the end of the lower rail is flush with the leading corner of the angle installed on the square crossbar assembly. Tighten the (2) flange nuts using a 9/16" wrench. Repeat this process for the passenger side.



At this point the trailer will look like this.



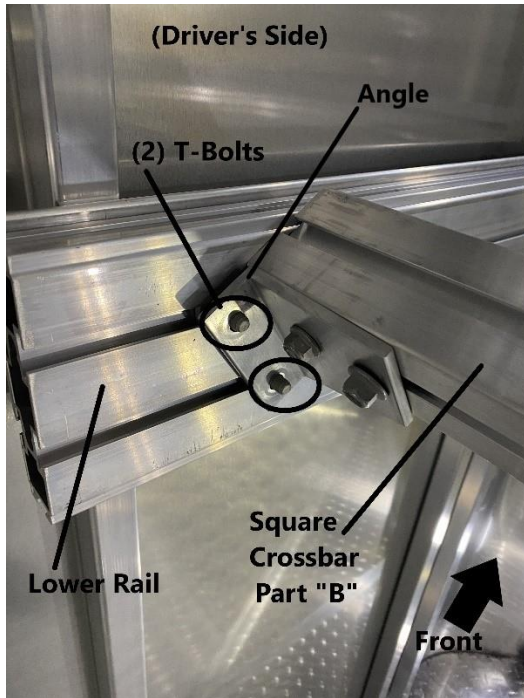
Install (2) T-Bolts into the grooves of the lower rail on the driver's side.



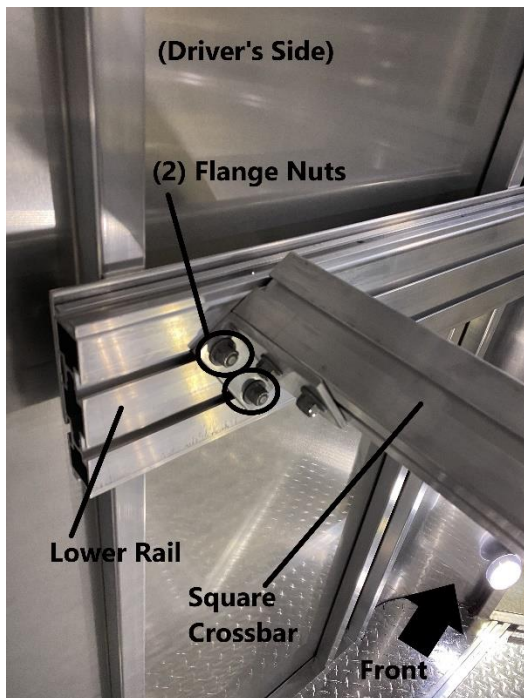
Repeat this process for the passenger side.



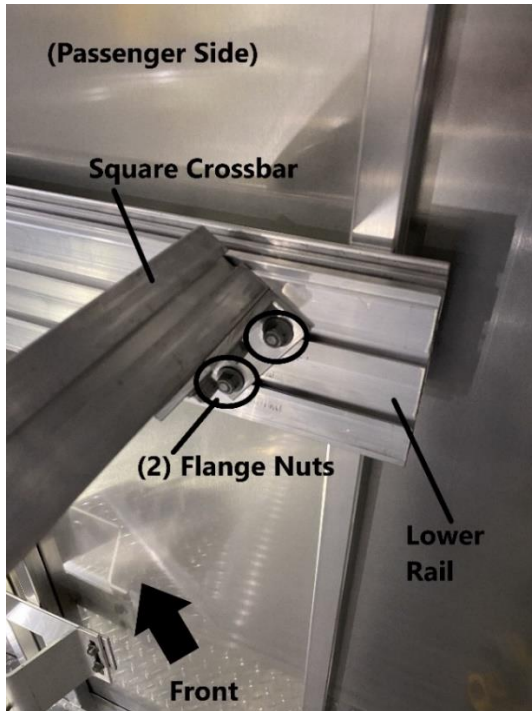
Locate the square crossbar assembly with black knob installed (Part "B"). Note the (2) angles installed on the square crossbar assembly.



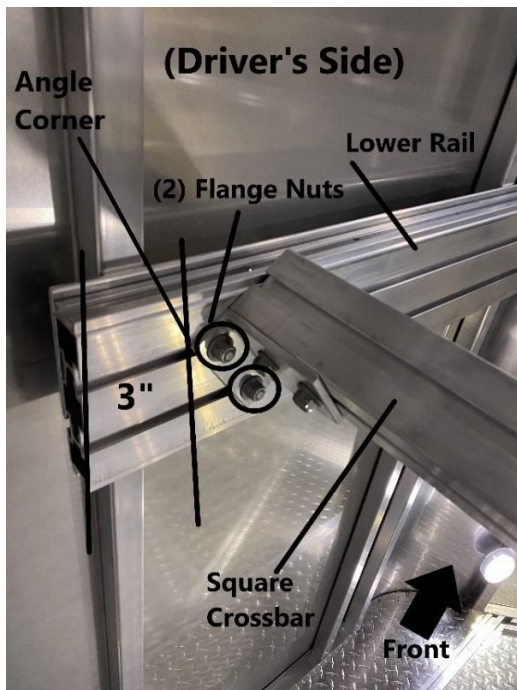
Two people will be necessary to install the square crossbar assembly (Part "B"). The square crossbar assembly must be supported by a second person during this process. Carefully bring the square crossbar into the trailer. Install the angle on the square crossbar assembly to the (2) T-bolts installed on the lower rail. Use caution during this step as to not damage the enclosed skin.



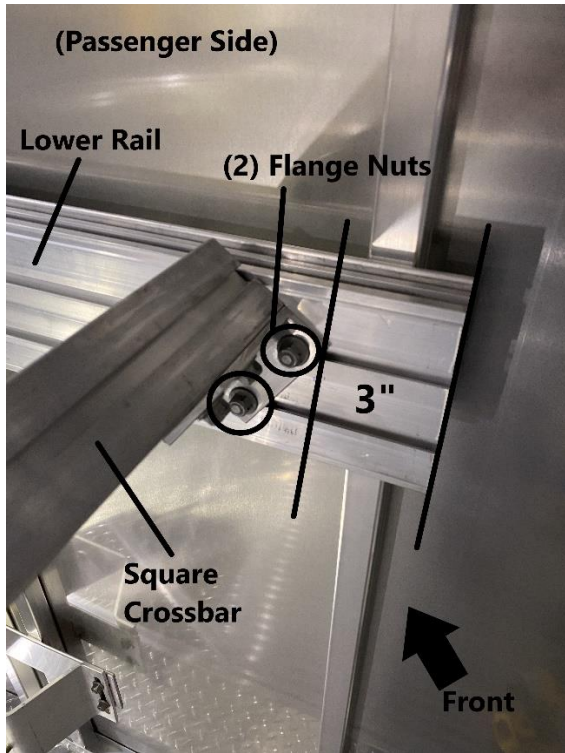
Loosely install (2) flange nuts onto the (2) T-Bolts.



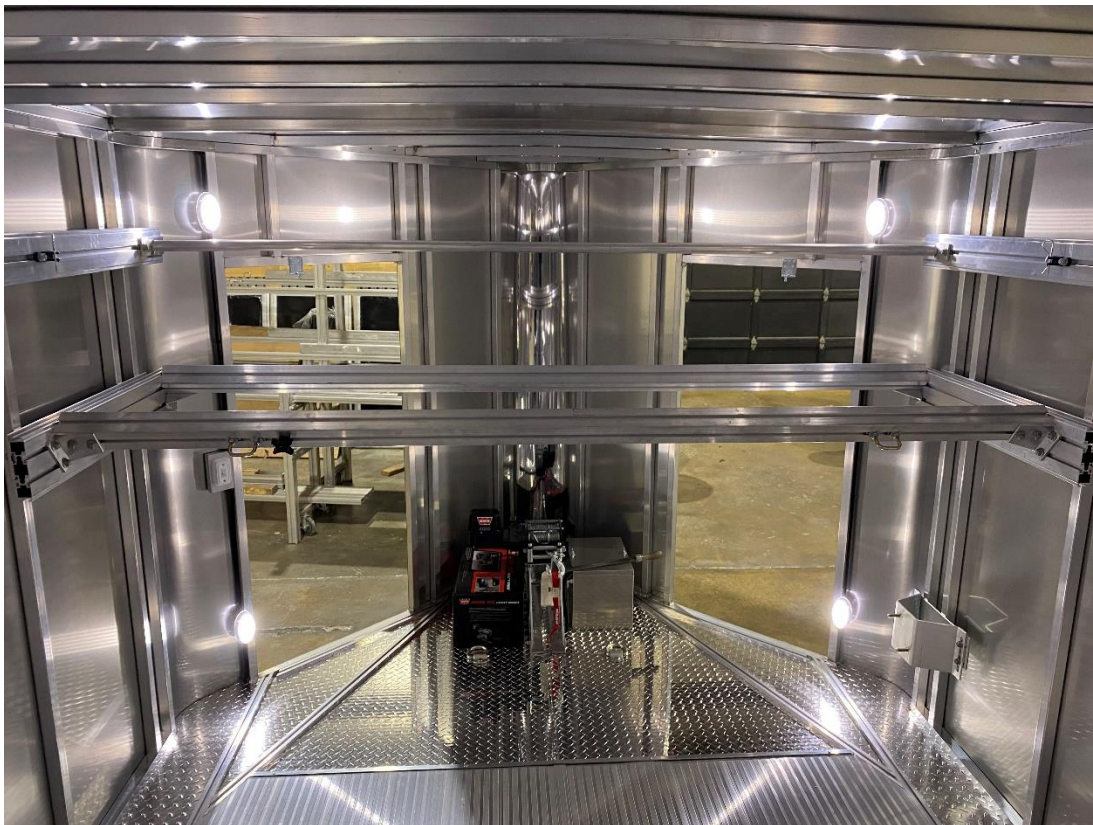
Repeat this process for the passenger side. Use caution during this step as to not damage the enclosed skin.



Measure 3" from the end of the lower rail to the leading corner of the angle installed on the square crossbar assembly. Tighten the (2) flange nuts using a 9/16" wrench. Note that the 3" measurement is what we consider a reasonable starting point. This can be changed later if needed.

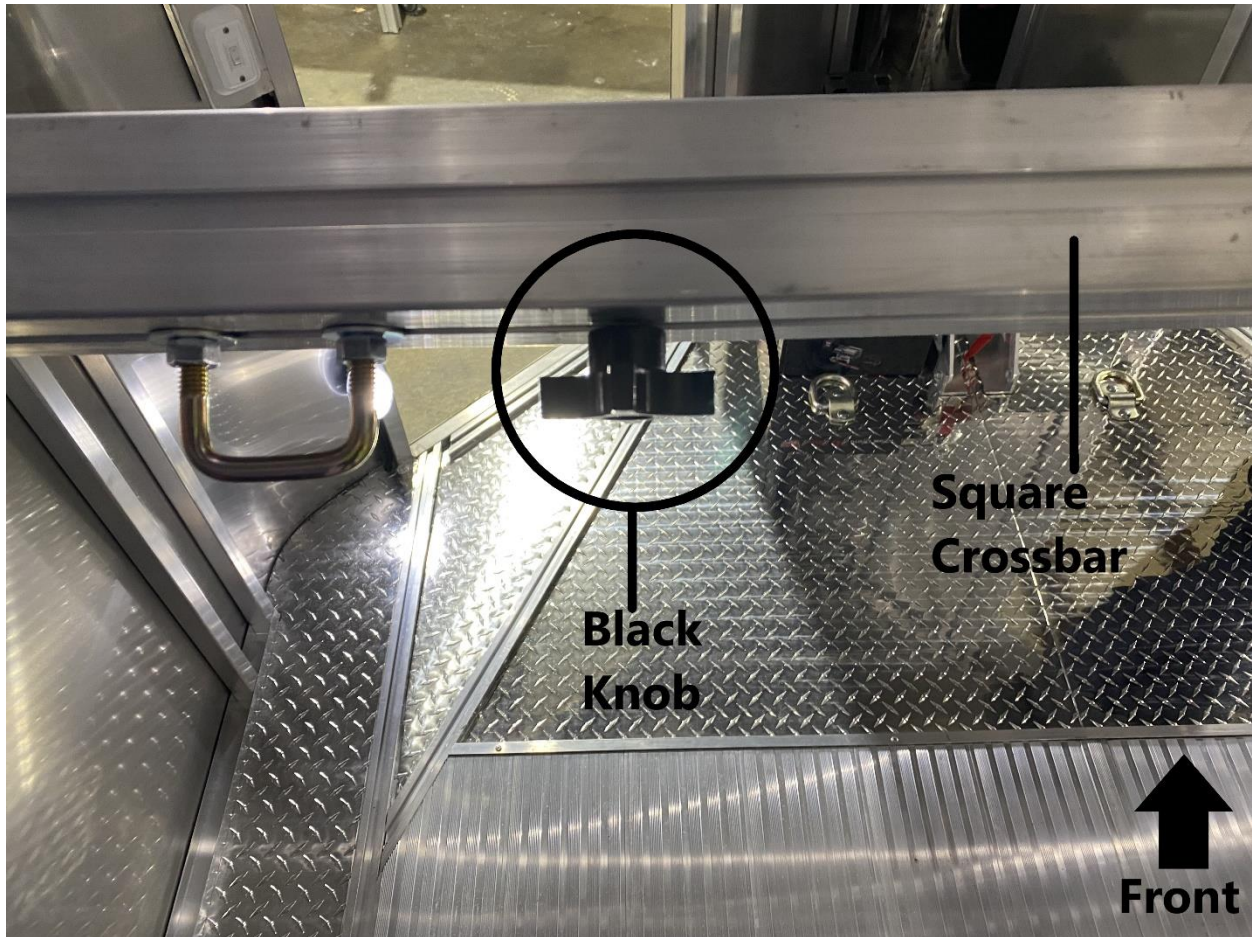


Repeat this process for the passenger side.

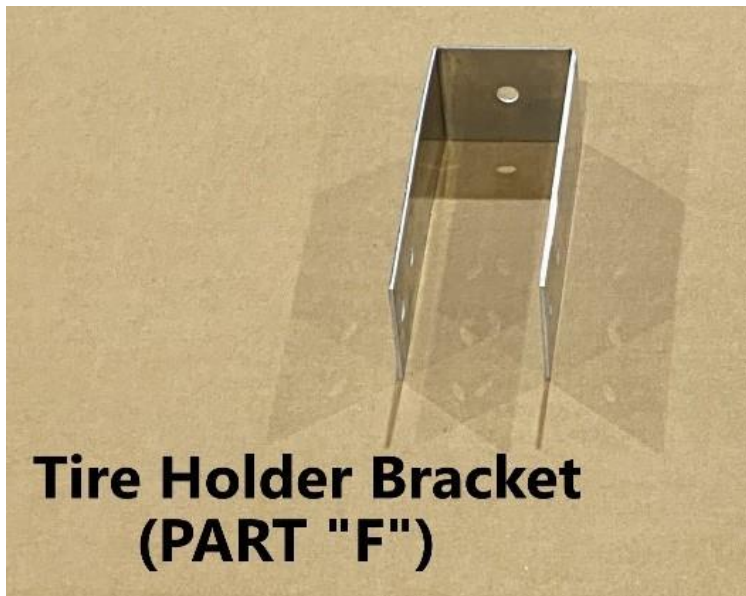


At this point the trailer will look like this.

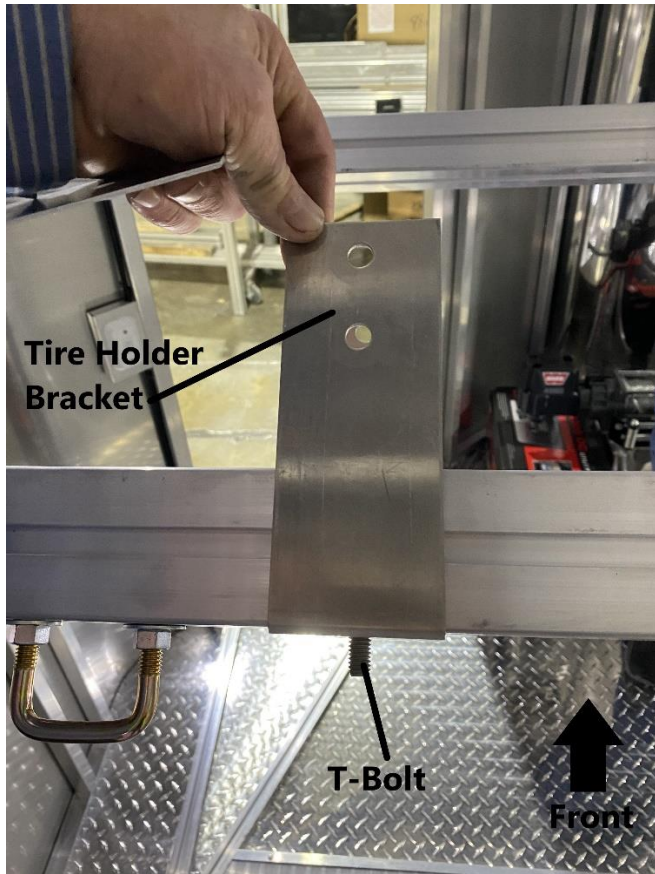




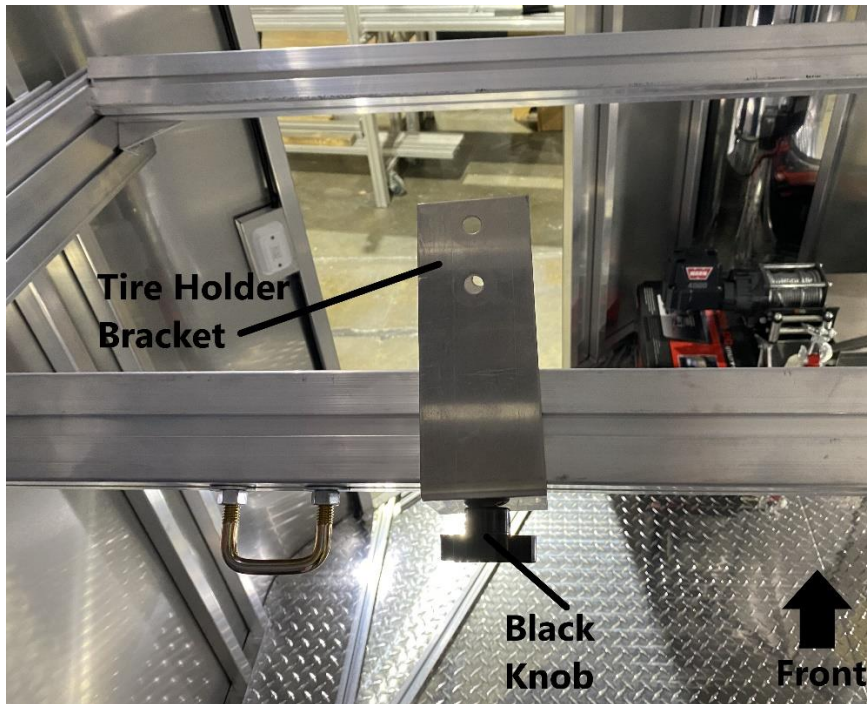
Locate the black knob installed on the square crossbar. Twist the black knob counter-clockwise to remove it. This will leave a T-bolt installed.



Locate the tire holder bracket (Part "F").



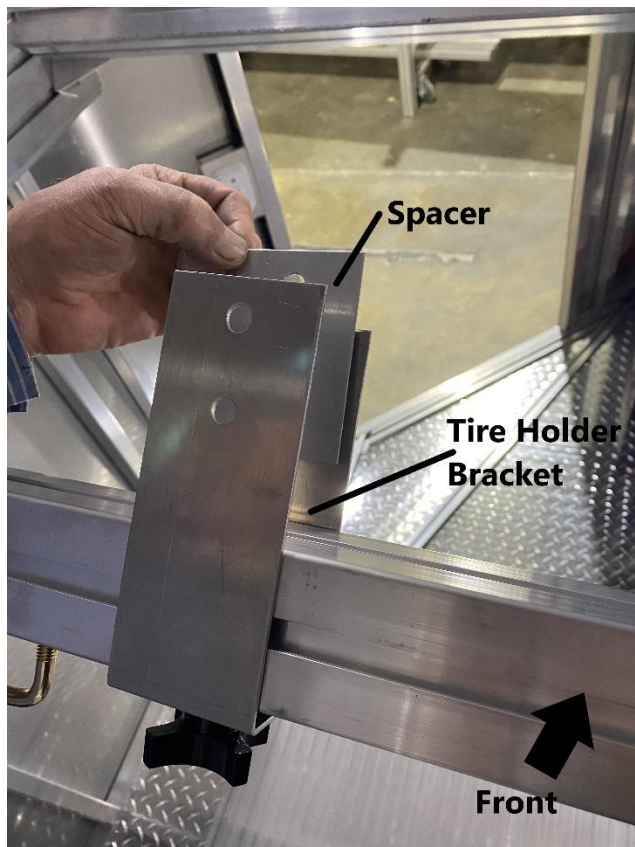
Install the tire holder bracket on to the T-bolt as shown.



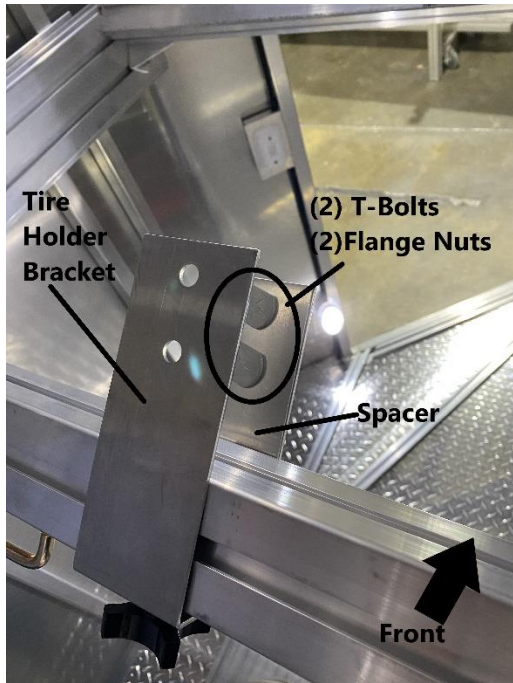
Replace the black knob on the T-bolt.



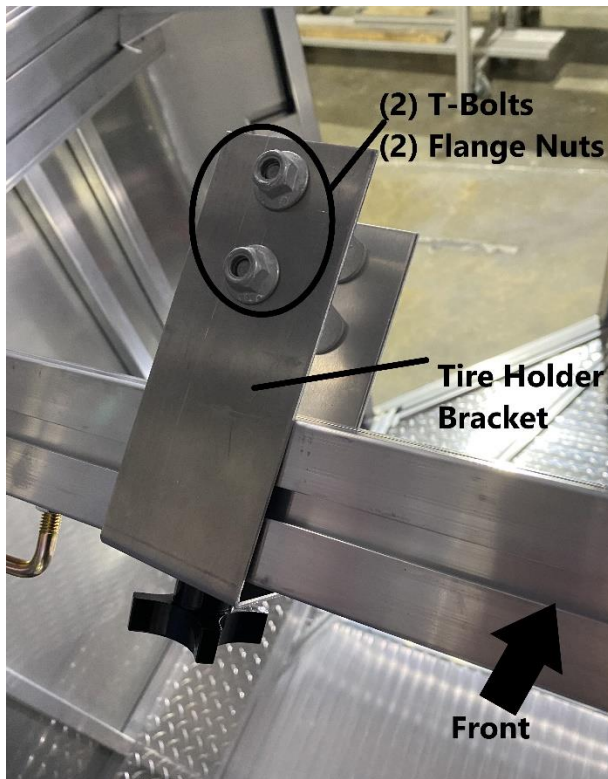
Locate the tire holder spacer (Part "G").



Place the spacer on the tire holder bracket as shown. Line-up the holes of the spacer with the holes on the tire holder bracket.



Loosely install (2) T-bolts and (2) flange nuts to the tire holder bracket as shown. At this point (2) T-bolt heads should be facing the inside the tire holder bracket.

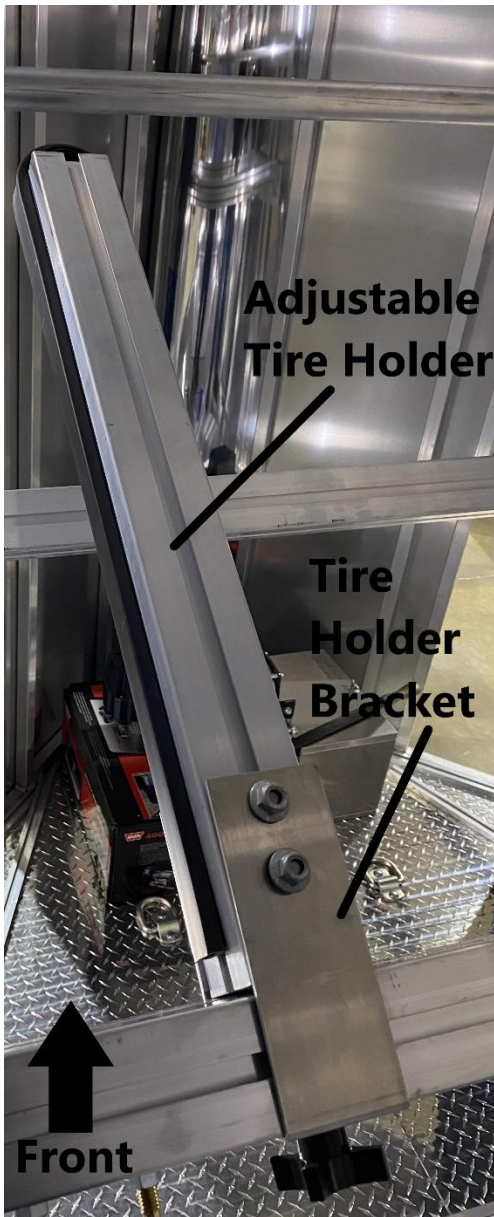


Loosely install (2) T-bolts and (2) flange nuts to the tire holder bracket as shown. At this point (4) T-bolt heads should be facing the inside the tire holder bracket.



**Adjustable Tire Holder (PART "E")**

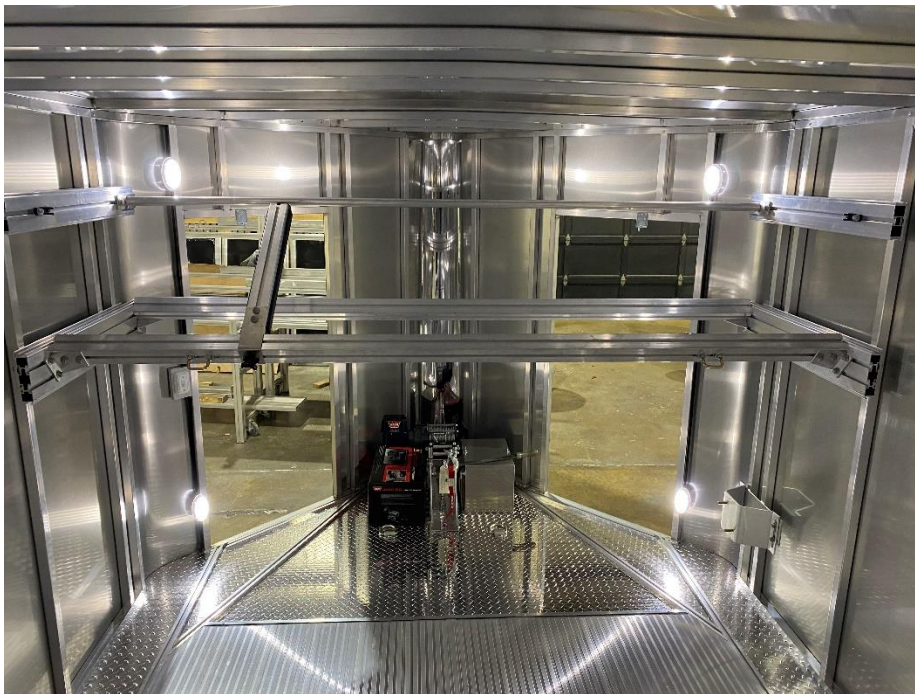
Locate the adjustable tire holder (Part "E").



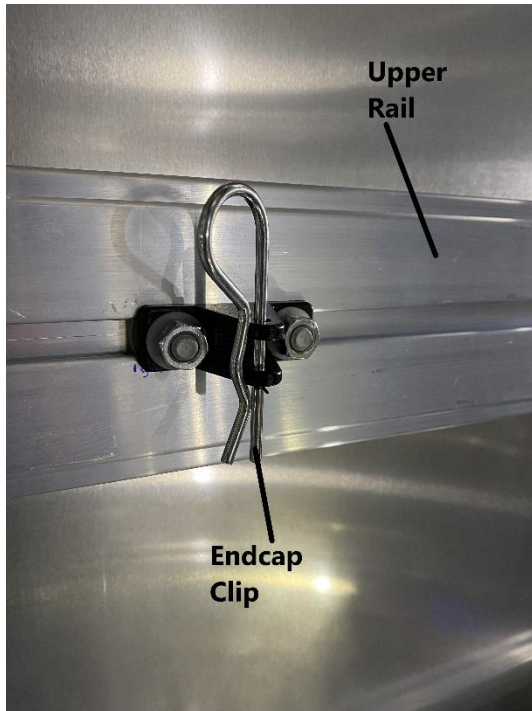
Install the adjustable tire holder to the tire holder bracket as shown. Slide the (4) T-bolts installed on the tire holder bracket into the grooves of the adjustable tire holder.



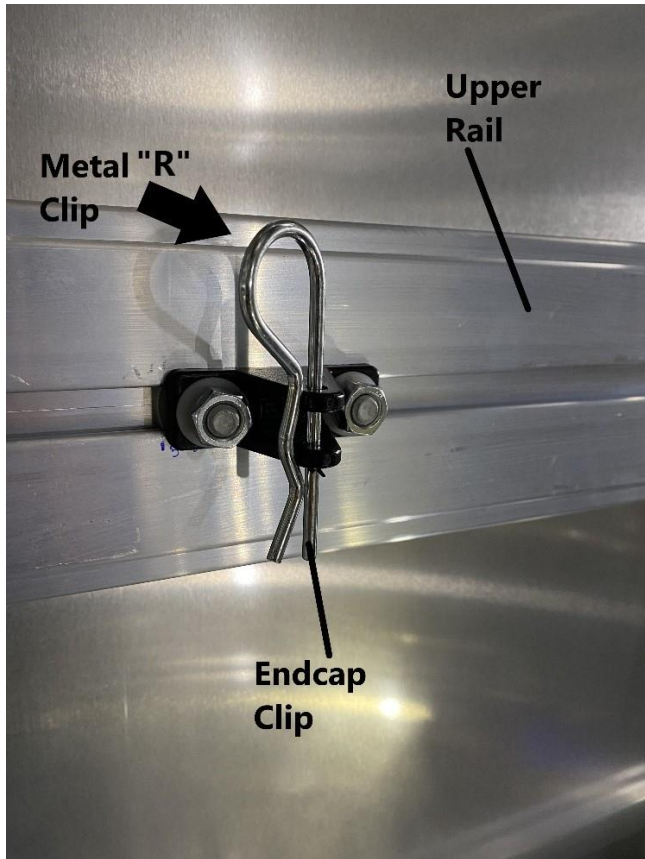
Leave a small gap between the square crossbar and the adjustable tire holder. Tighten the (4) flange nuts using a 9/16" wrench.



At this point the trailer will look like this.



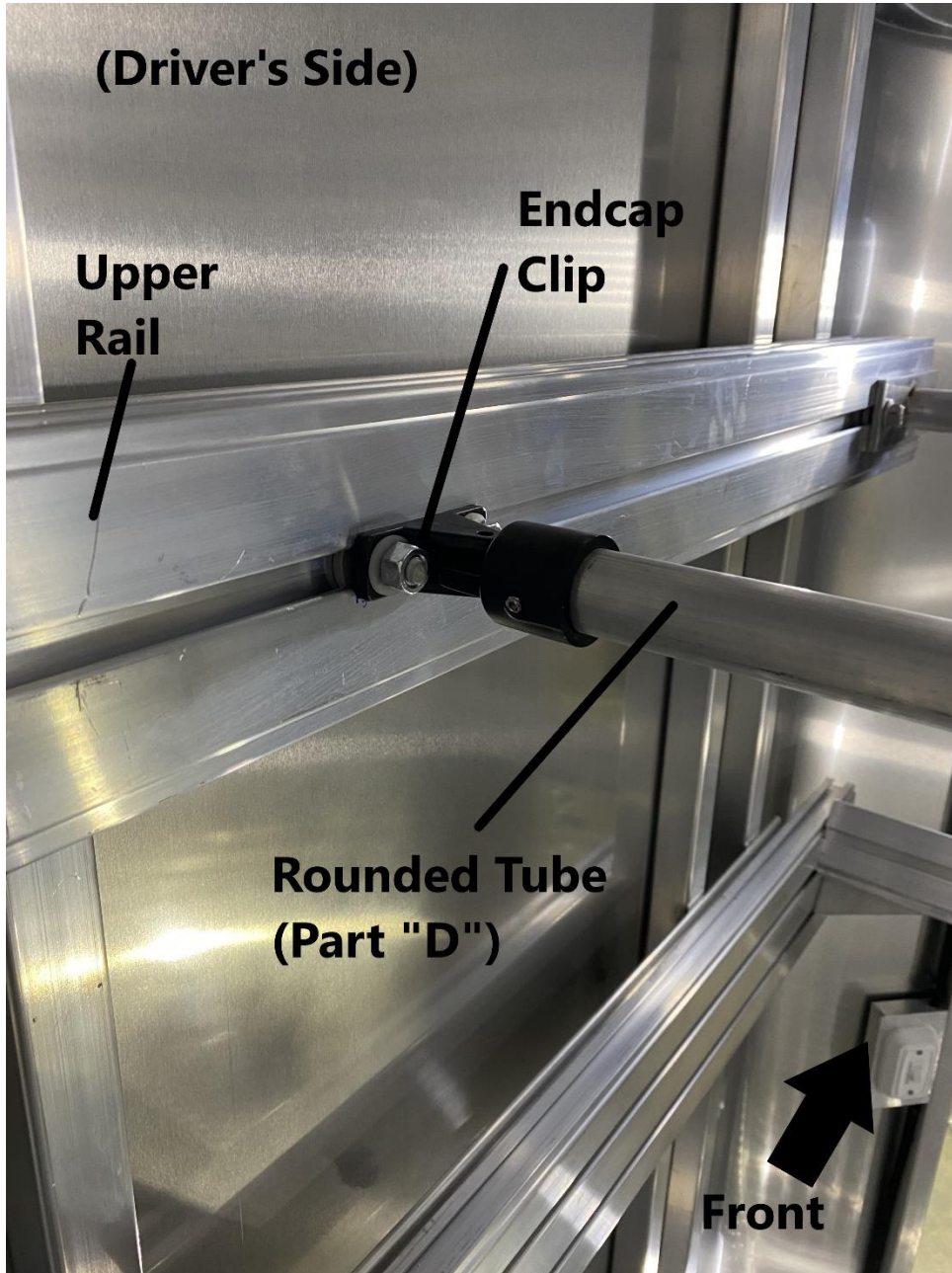
Locate the (2) endcap clips installed in the upper rails.



Remove the metal "R" clips from both endcap clips.

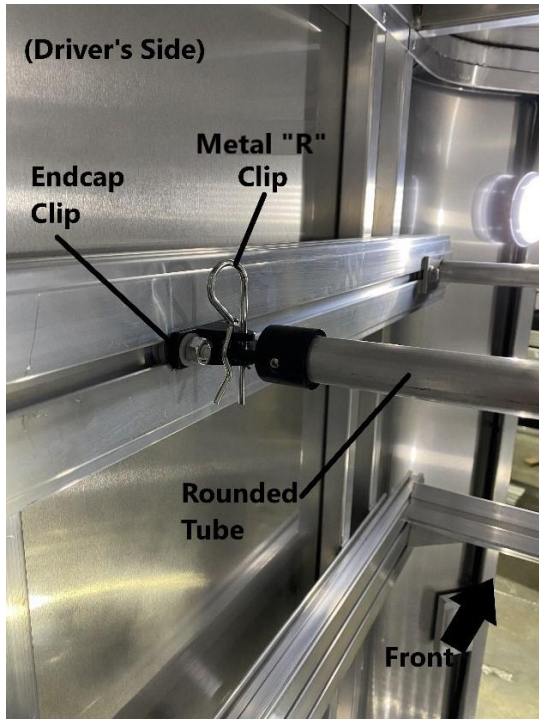


Locate the rounded tube with endcaps (Part "D").

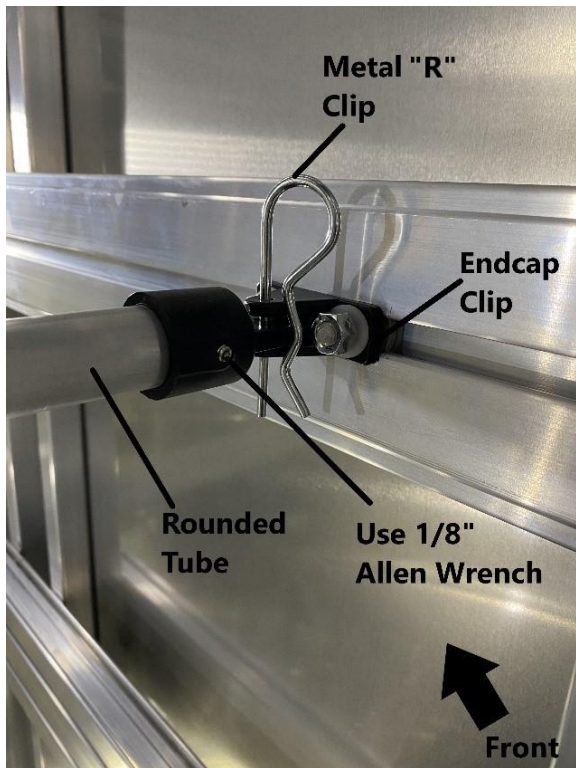


Two people will be necessary to install the rounded tube. Carefully bring the rounded tube into the trailer. Place the end of the rounded tube into the endcap clip. Line-up the hole of the round tube with the (2) holes of the endcap clip.





Replace the metal "R" clip, securing the rounded tube to the endcap clip.



Repeat this process for the passenger side. Note that the holes may not line-up on the passenger side. If needed, use a 1/8" Allen wrench to adjust the endcap so that the holes line-up.



**Completed tire rack. Confirm that all bolts/nuts are tightened before loading the tire rack.**



**Place additional tires on the tire rack as shown. Move the adjustable tire holder next to the tires. Tighten the black knob on the adjustable tire holder to hold the tires in place. Straps are also recommended to secure the tires to the tire rack. Note that the crossbars may need adjusted if the tires don't fit or can fall through the crossbars. Do not load the trailer until all tires are secure and not moving.**