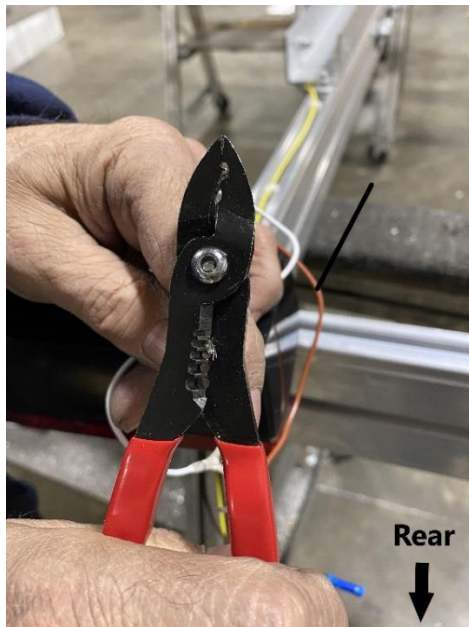
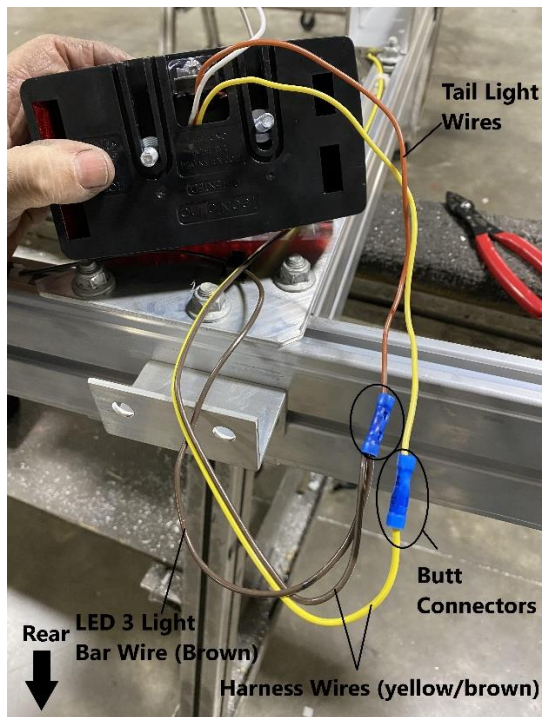


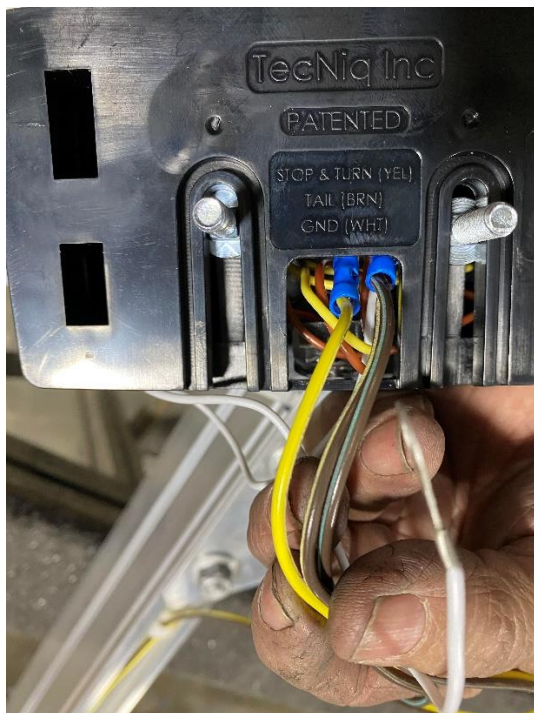
Locate the end of the wiring harness that is hanging underneath the right side rail. Use a utility knife to split the two wires of the wiring harness. Repeat this process for the other side.



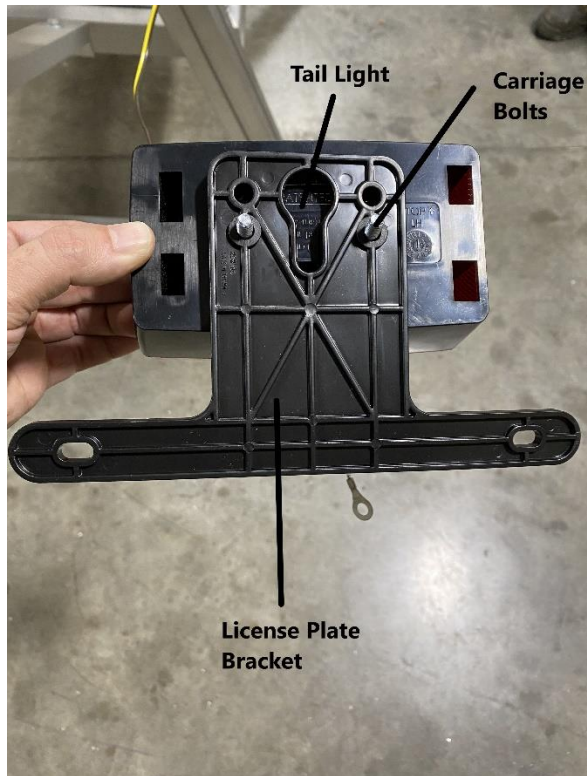
Use a pair of wire cutters to strip the ends of the (4) tail light wires (2 brown, 1 green, 1 yellow), (4) harness wires (2 brown, 1 green, 1 yellow) and (1) LED 3 Light Bar wire/connecting wire. Note that the white ground wire on the tail light will be installed later.



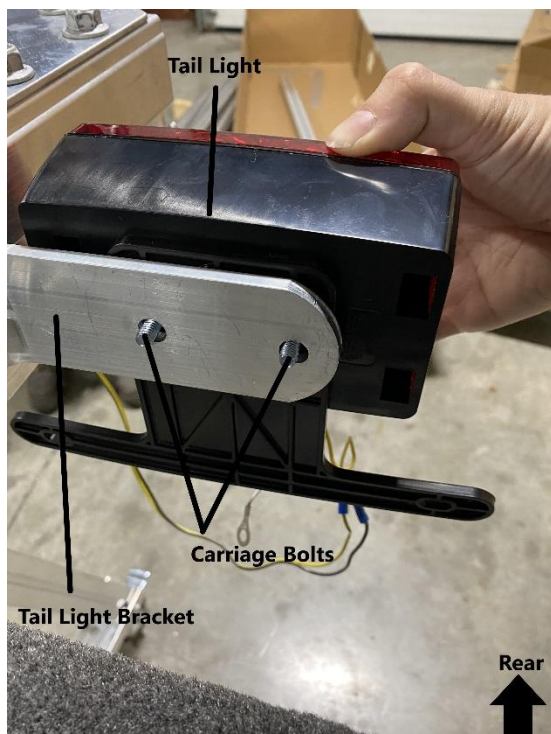
Use butt connectors to connect the tail light and the LED 3 light bar to the wiring harness as shown. Match the brown wire of the harness with the brown wire of the tail light. Same for the yellow wires. Note that both the brown LED 3 light bar wire/connecting wire and the brown harness wire will need to be connected together.



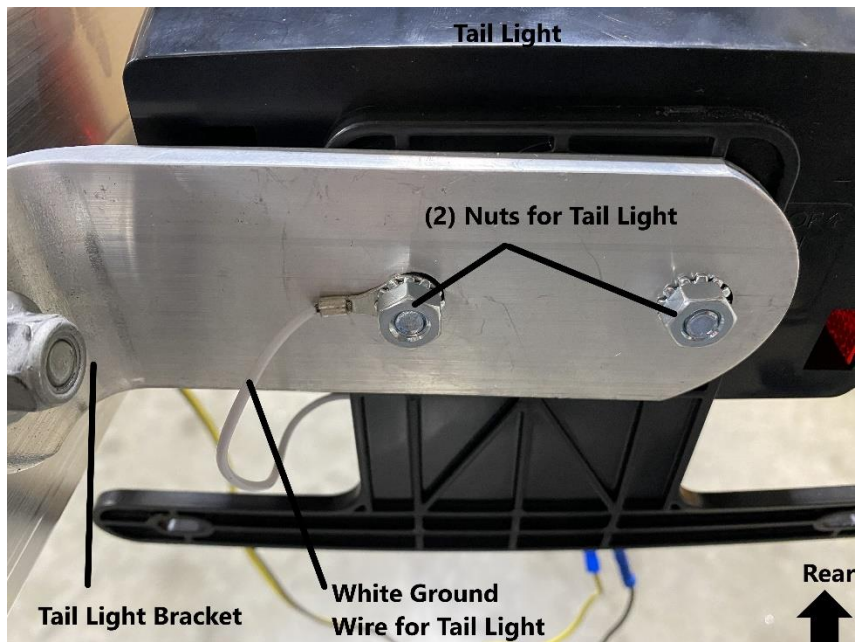
Excess wire can be placed inside the tail light.



Install the license plate bracket to the tail light as shown. Place the two bottom holes of the license plate bracket on the two carriage bolts installed on the tail light.



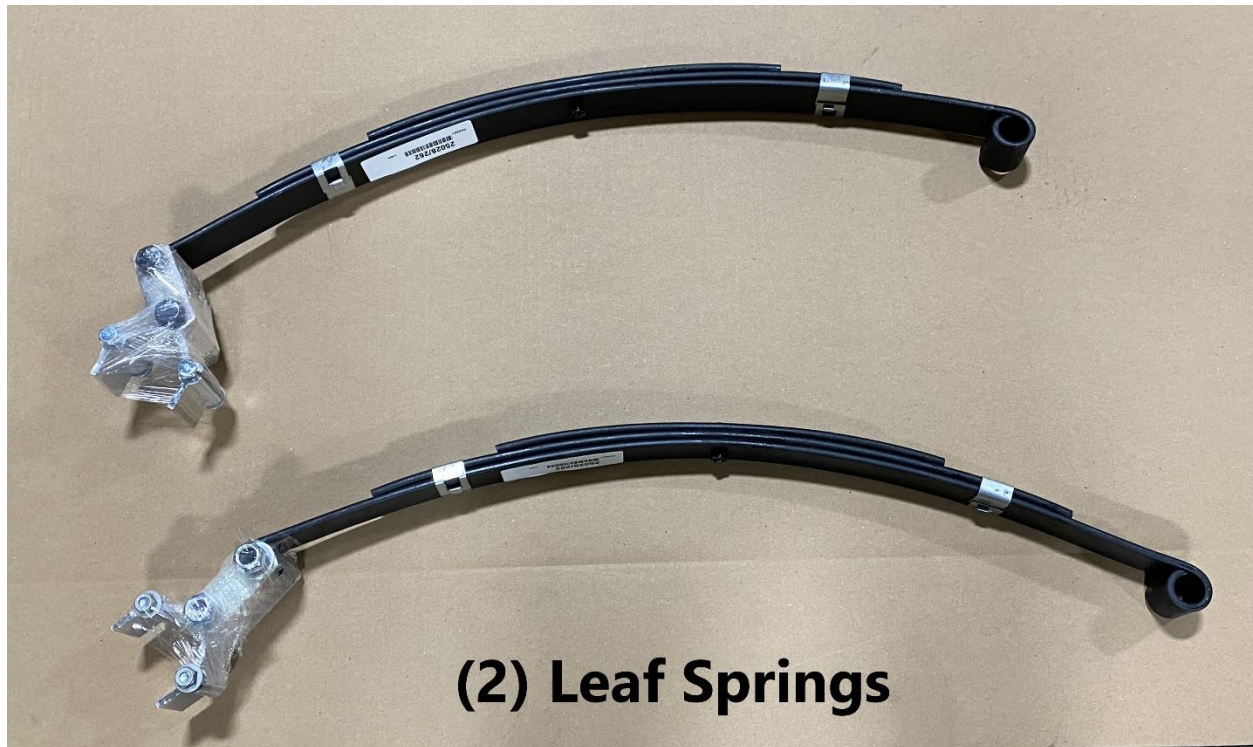
Install the tail light to the tail light bracket as shown.



Install the white ground wire of the tail light to the carriage bolt as shown. Install nuts and tighten using 9/16" wrench. Repeat this process on the other side of the trailer to install both tail lights.

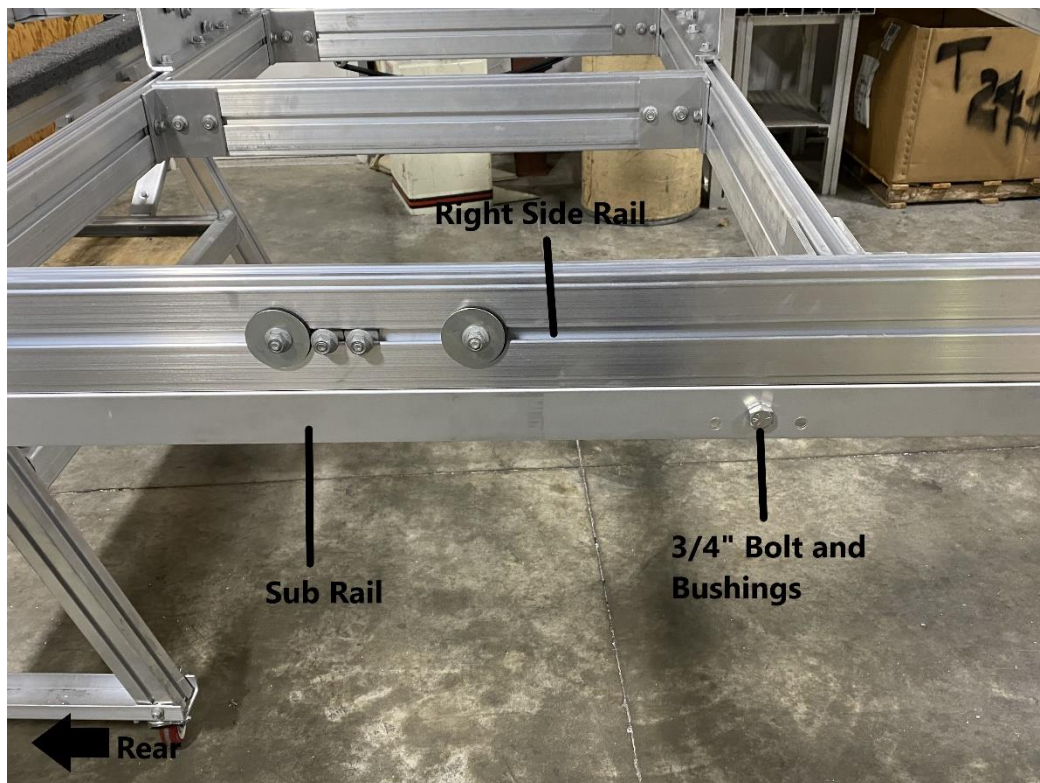


At this point the trailer looks like this.

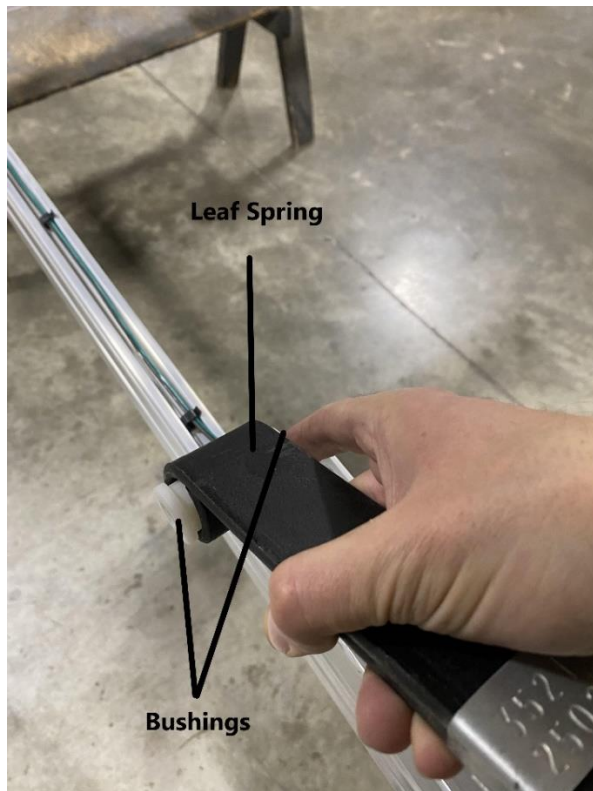


(2) Leaf Springs

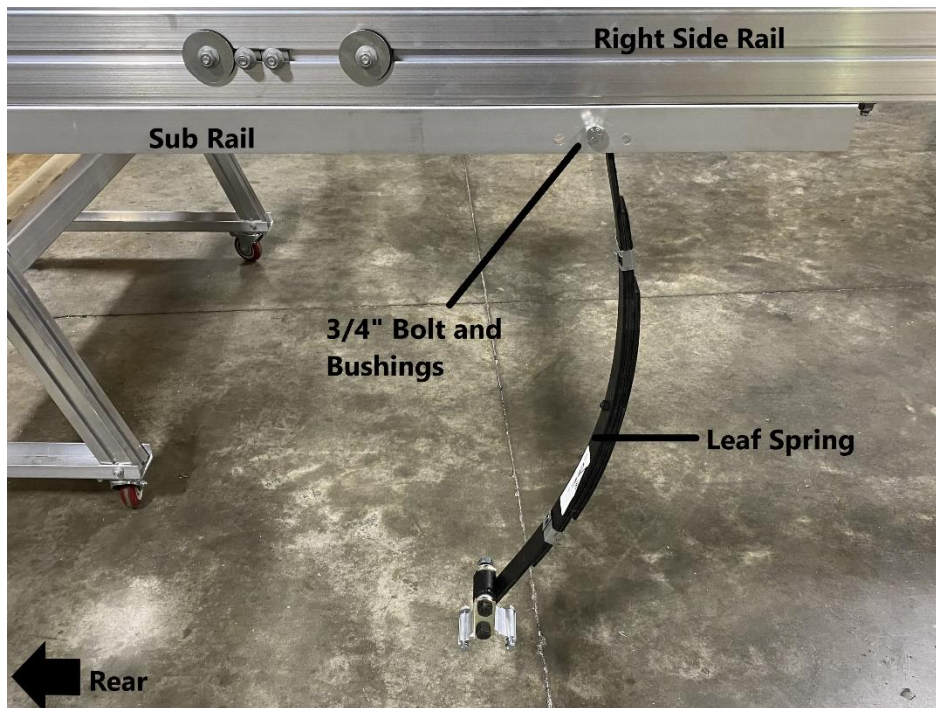
Locate the (2) leaf spring assemblies. Remove the cling wrap.



Locate the sub rail installed on the bottom of the right side rail. Remove the $\frac{3}{4}$ " bolt and bushings.



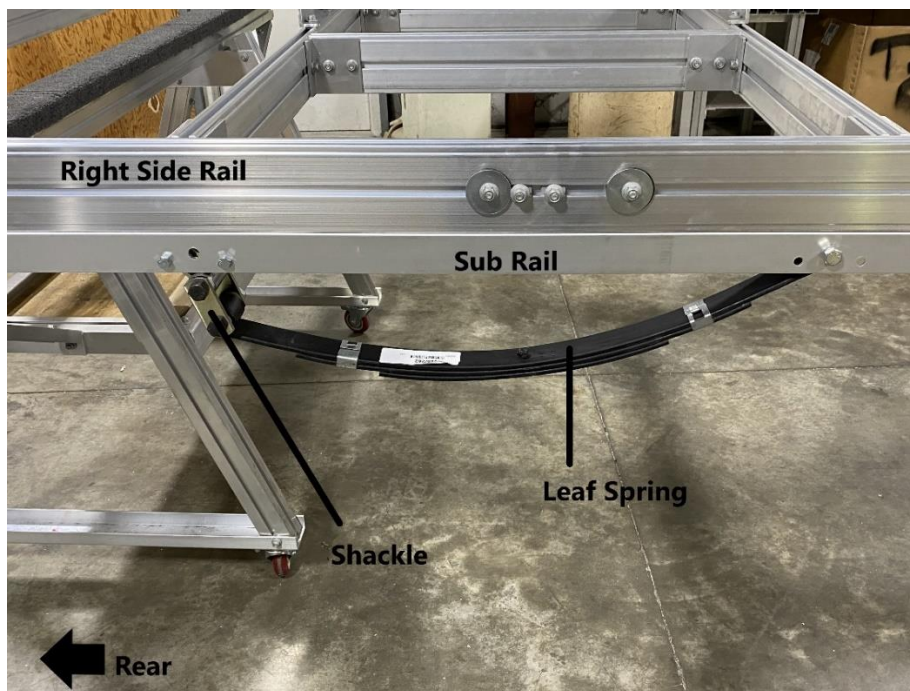
Insert the (2) nylon bushings into the leaf spring.



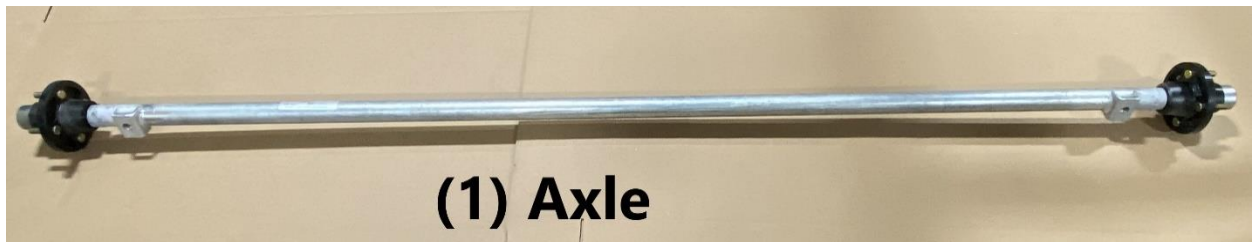
Install the leaf spring to the sub rail as shown. With the (2) bushings in the leaf spring, replace the $\frac{3}{4}$ " bolt through the sub rail, bushings, and leaf spring. Replace the nut but do not tighten yet.



Remove the (2) 9/16" bolts from the shackle installed on the leaf spring.



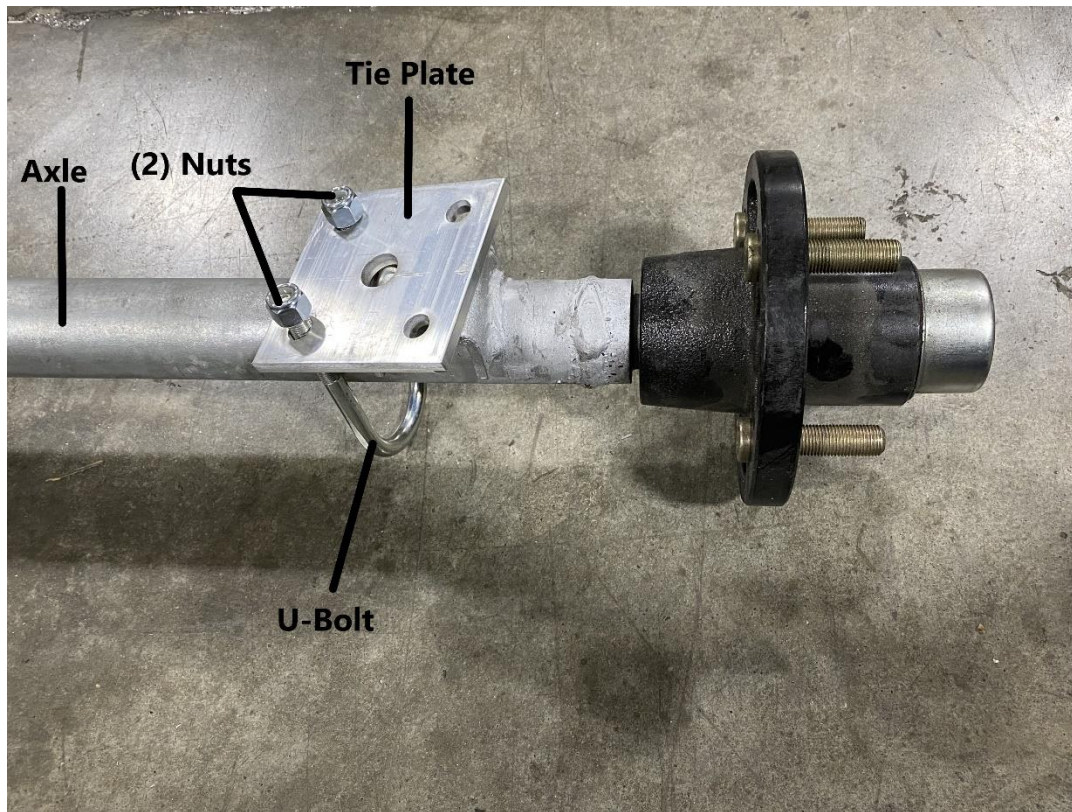
Install the shackle of the leaf spring into the sub rail as shown. Replace the 9/16" bolts. Replace the nuts but do not tighten yet. Repeat this process to install a second leaf spring on the left side rail.



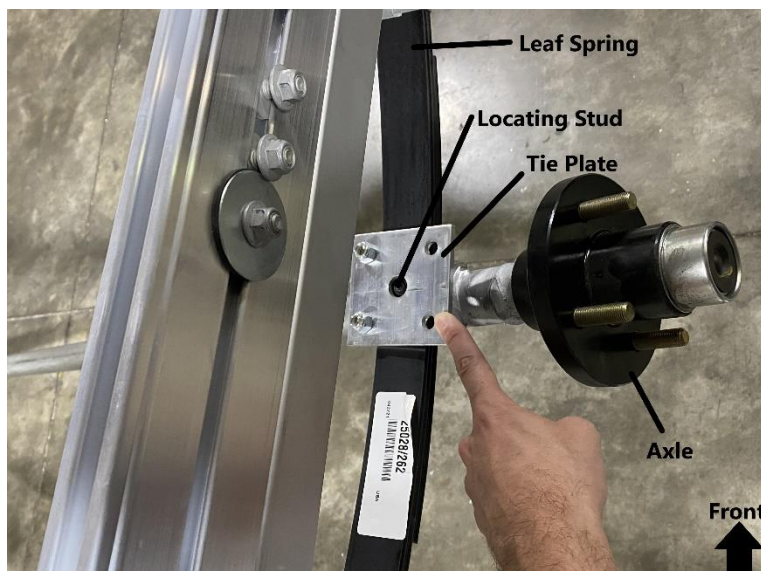
Locate the axle.



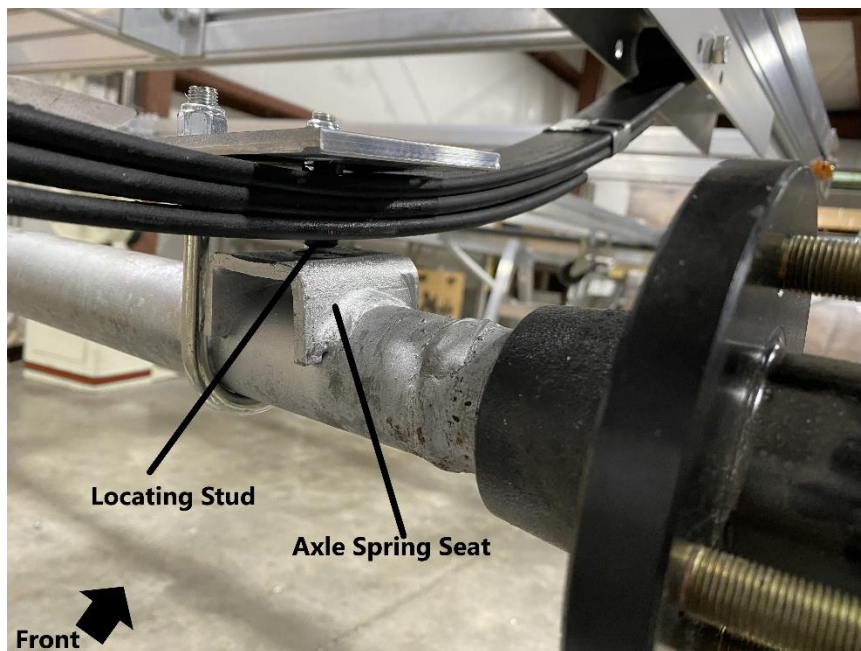
Locate the U-Bolt Kit.



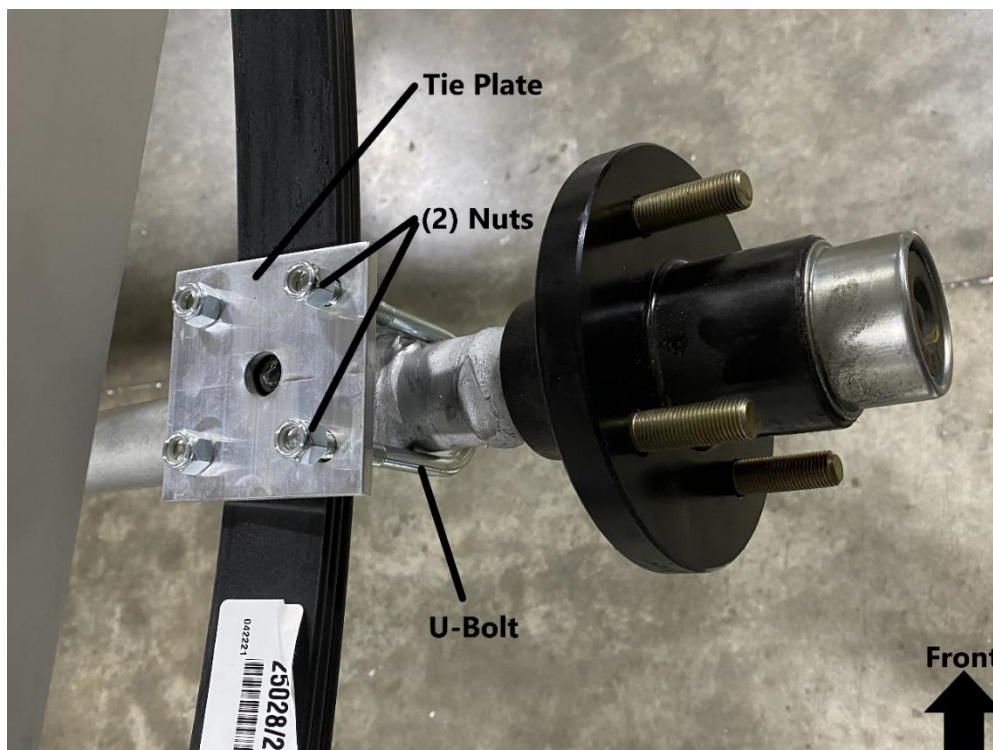
Install the Tie Plate and U-Bolt to the axle as shown. Replace the nuts but do not tighten yet.



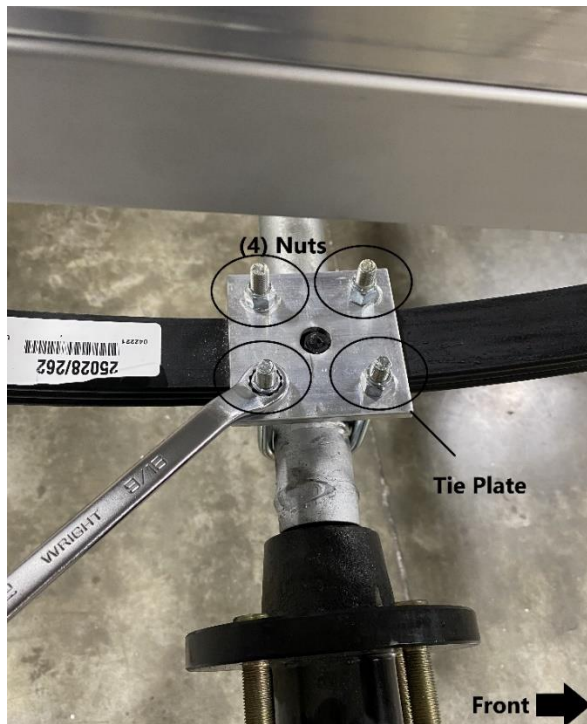
Install the axle to the leaf spring as shown. Slide the tie plate over the leaf spring until the center hole of the tie plate lines up with the locating stud of the leaf spring.



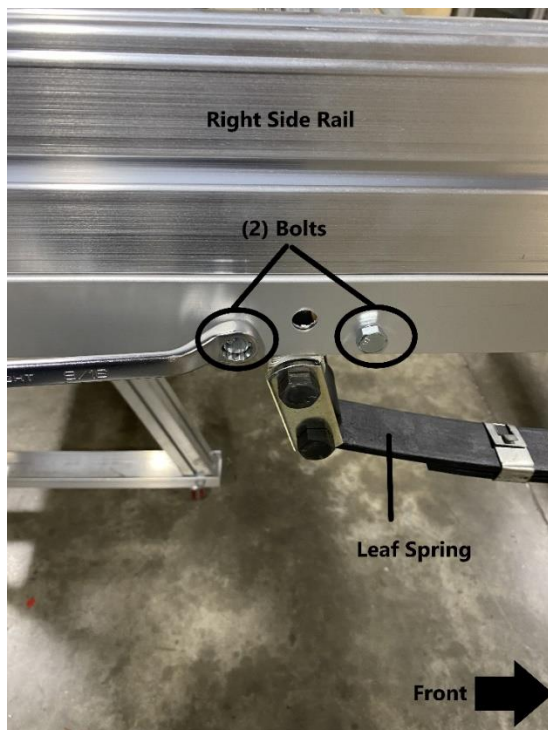
Place the locating stud of the leaf spring into the axle spring seat.



Install the second U-Bolt to the tie plate as shown. Replace the (2) nuts but do not tighten yet. Repeat this process to mount the axle to the leaf spring on the other side of the trailer.



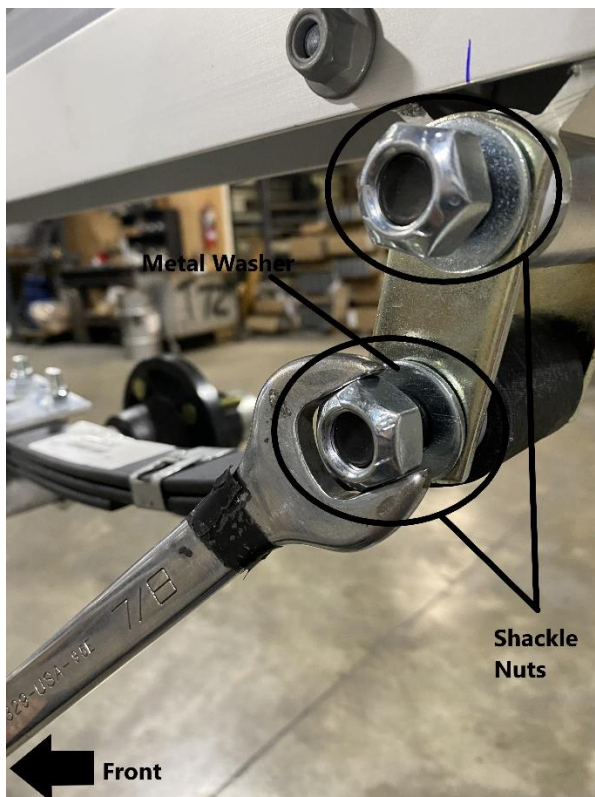
Use a cross pattern to tighten the (4) nuts using a 9/16" wrench. Repeat this process for this other side.



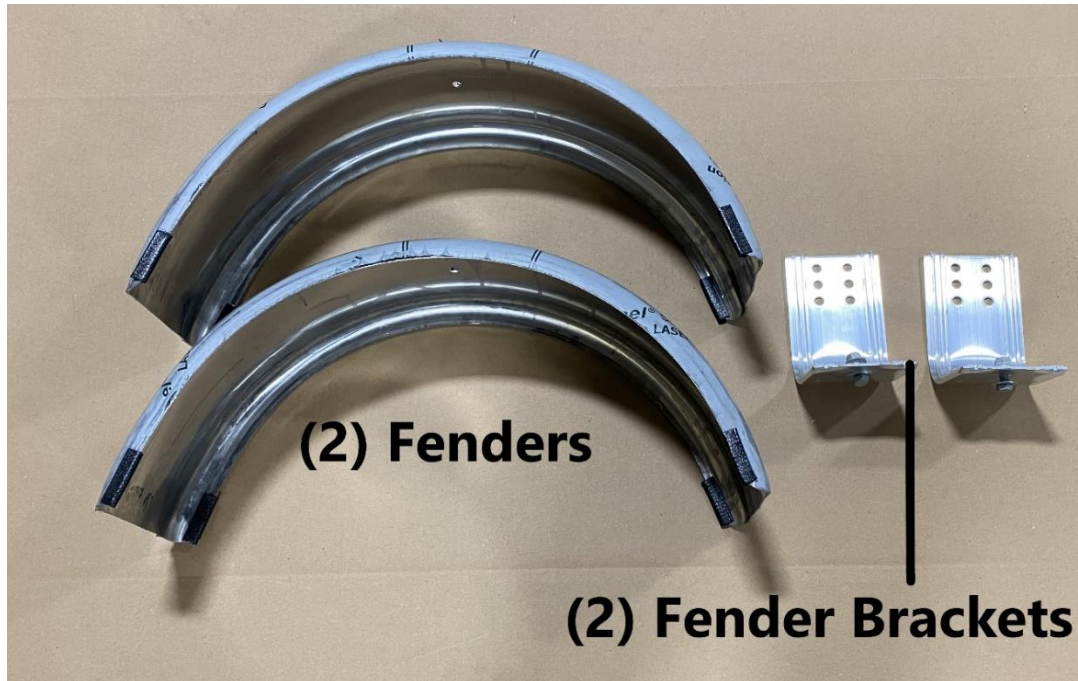
With the axle now installed the bolts of the leaf spring will now need to be tightened. Tighten the (2) bolts shown using a 9/16" ratchet and wrench. Repeat this process for the other side.



Tighten the bolt using a $\frac{3}{4}$ " ratchet and wrench. Repeat this process for the other side.



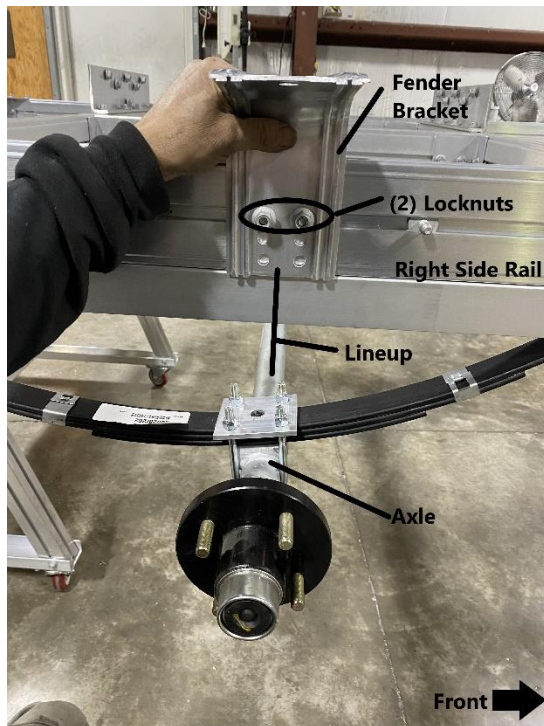
Tighten the rear shackle nuts with $\frac{7}{8}$ " ratchet and wrench. Ensure that the metal washers are not moving. However, do not over tighten as this will not allow the suspension to move properly. Repeat this process for the other side.



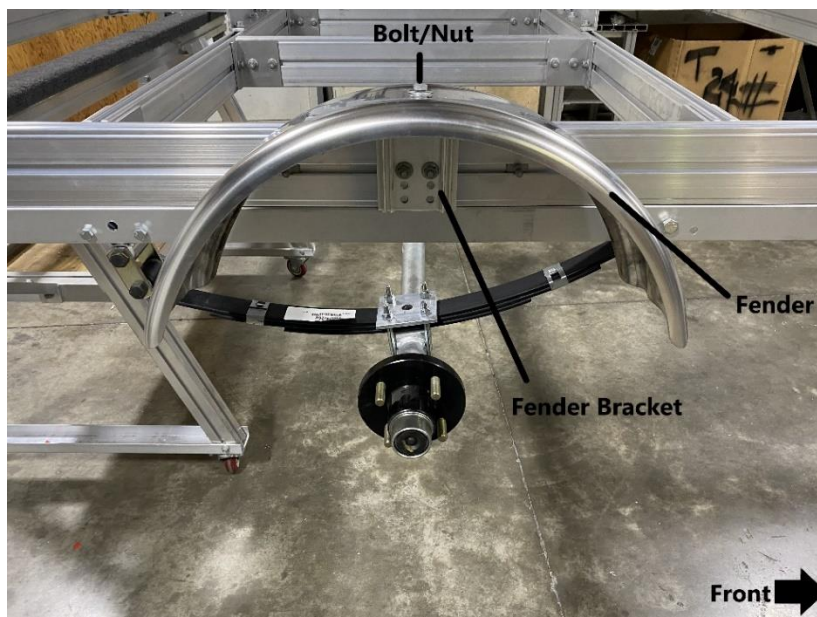
Locate the (2) fenders and (2) fender brackets. Remove the plastic covering from the fenders.



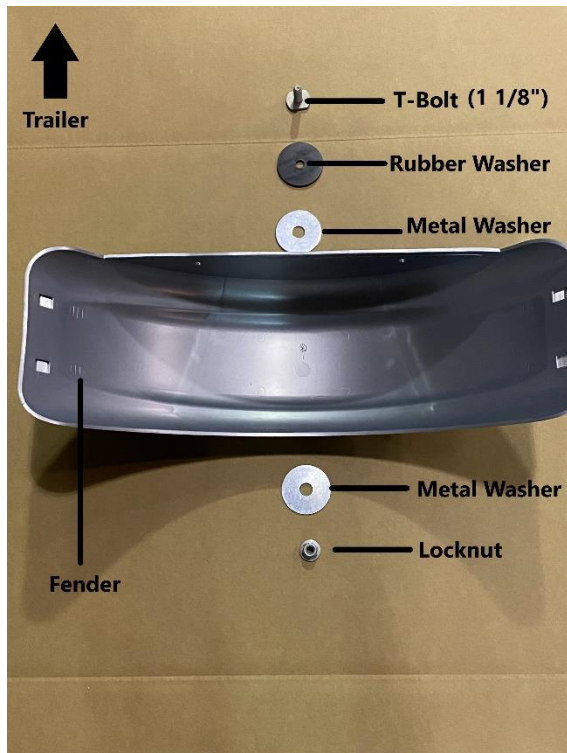
Remove the T-bolt and locknut from both fender brackets.



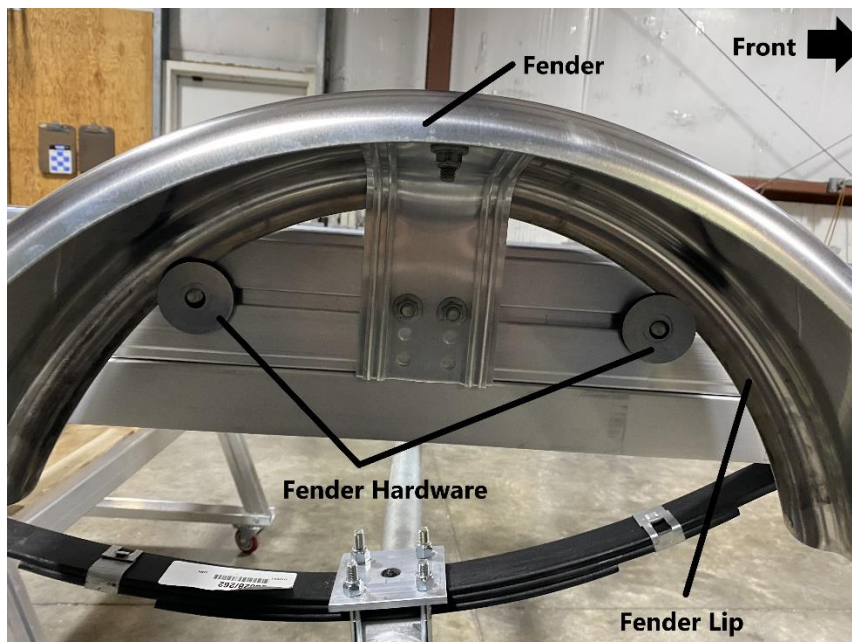
Locate the (4) T-bolts installed earlier in the right side rail. Install the fender bracket to the right side rail as shown. Use the (2) center T-bolts to install the fender bracket to the right side rail. Lineup the center of the fender bracket to the axle. Replace the locknuts and tighten using a 9/16" wrench.



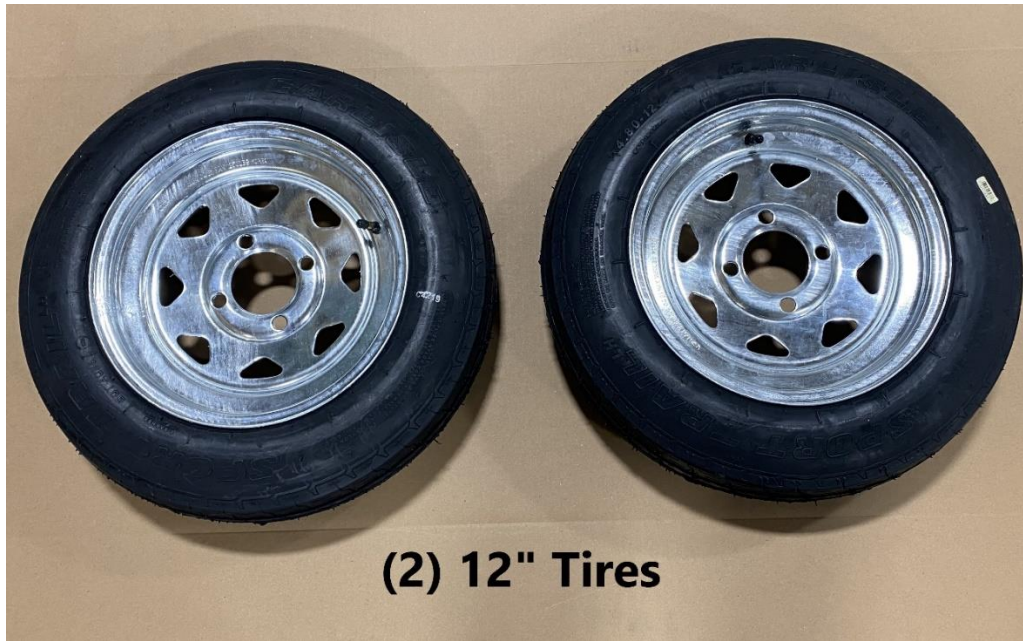
Install the fender to the fender bracket as shown. Replace the bolt and nut that was previously installed on the fender bracket. Tighten using a 9/16" wrench. Do not overtighten as this will damage the fender.



Note the ordering of the fender hardware in the above picture.

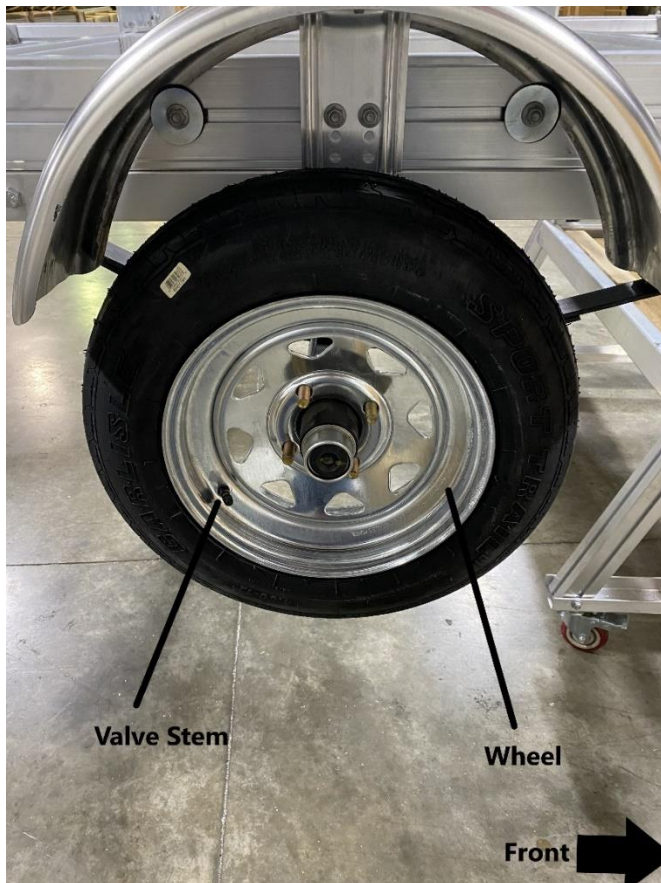


Install the fender hardware as shown, placing a rubber and metal washer behind the fender lip, then a metal washer and locknut in front of the fender lip. Tighten the locknut using a 9/16" wrench. Repeat this process to install both fenders.



(2) 12" Tires

Locate (2) 12" tires.



Valve Stem

Wheel

Front

Install the wheel with the valve stems facing out.



Locate the (8) lug nuts found in the U-Bolt kit.



Install the lug nuts with the tapered side facing the wheel.



The trailer can now be removed from the saw horses. At least two people will be necessary.

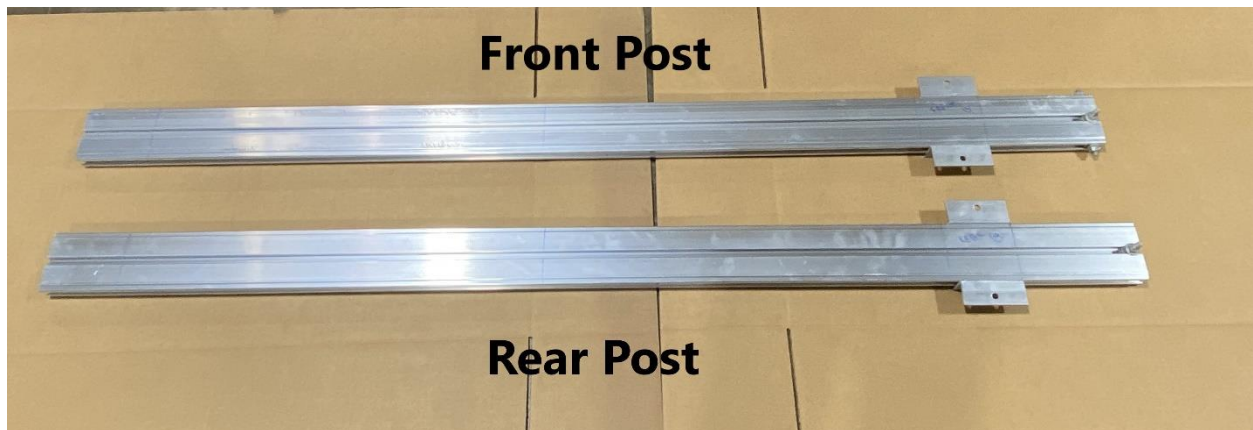


Place (4) wheel chocks as shown, (2) on each tire.

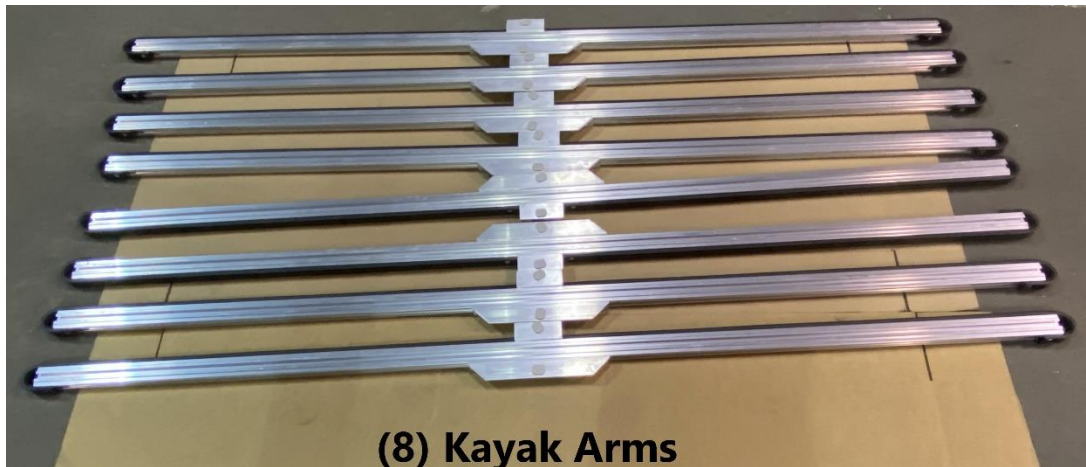


Torque the lug nuts to 80 foot pounds using a X pattern. Repeat the process for the other tire. Note that after 20 miles the lug nuts will need to be re-torqued to 80 foot pounds.

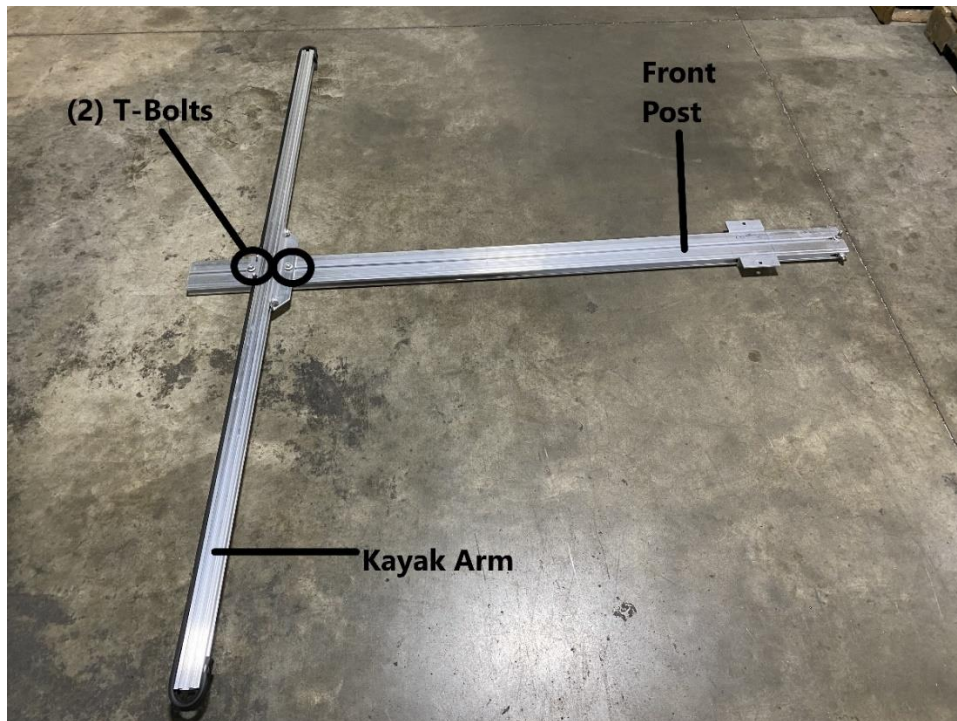
Post Installation



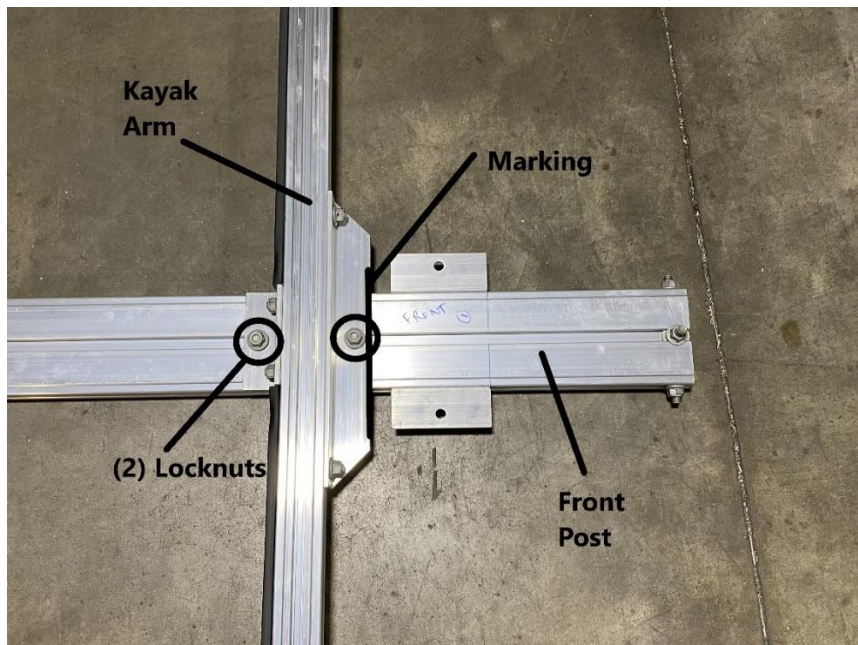
Locate the front and rear post. The front post will be marked “front’ and the rear post will be marked “rear”.



Locate the (8) kayak arms.



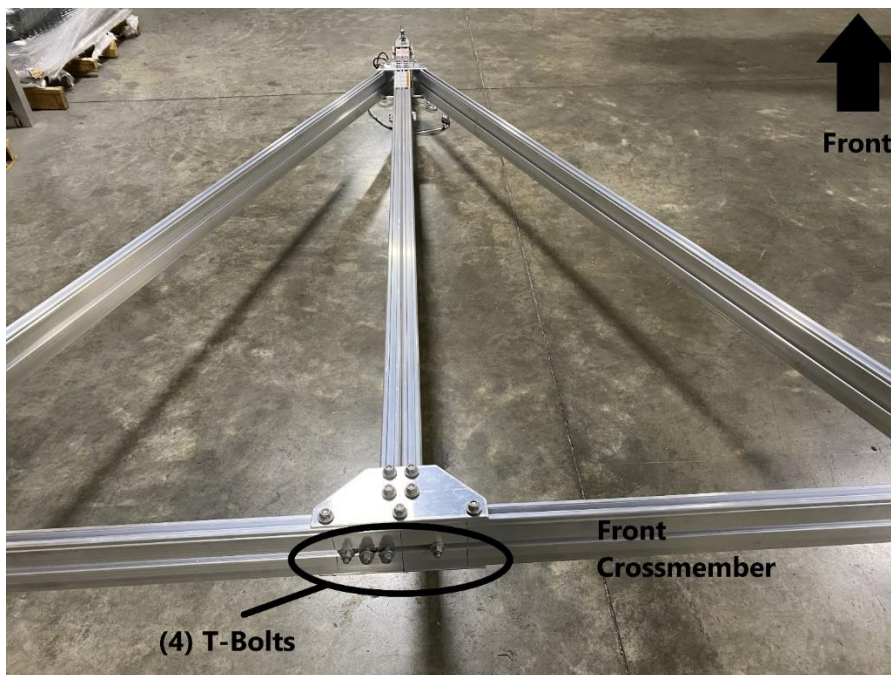
Slide the (2) T-bolts installed on the kayak arm into the groove of the front post as shown. Continue sliding kayak arms into the groove of the front post until a total of (4) kayak arms have been installed.



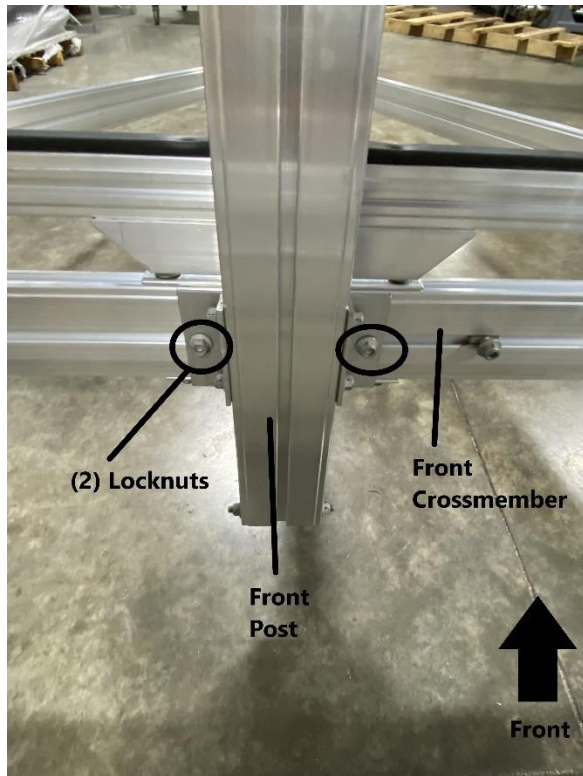
The front post will have (4) markings to show where each kayak arm should be installed. Lineup the kayak arm with the markings as shown. When the kayak arm is in position, tighten the (2) locknuts using a 9/16" wrench. Use a square to ensure that the kayak arm is straight. Repeat this process for all three kayak arms.



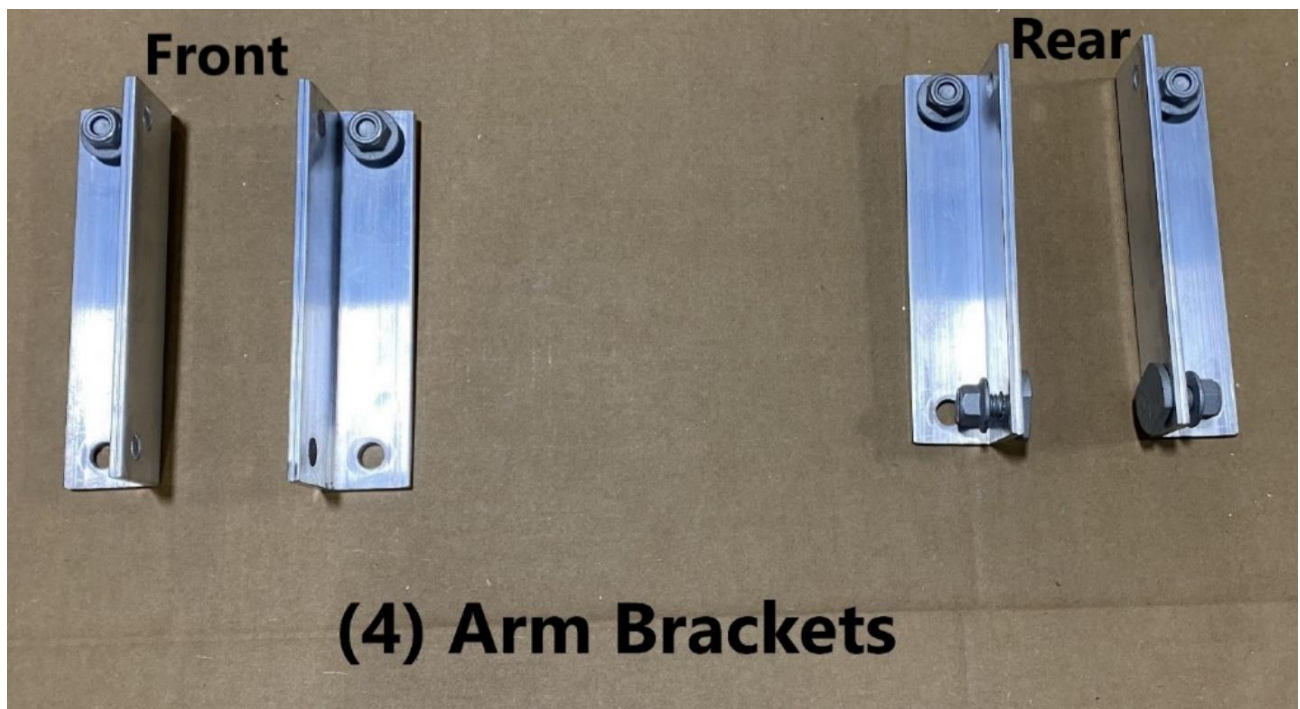
At this point the front post will look like this.



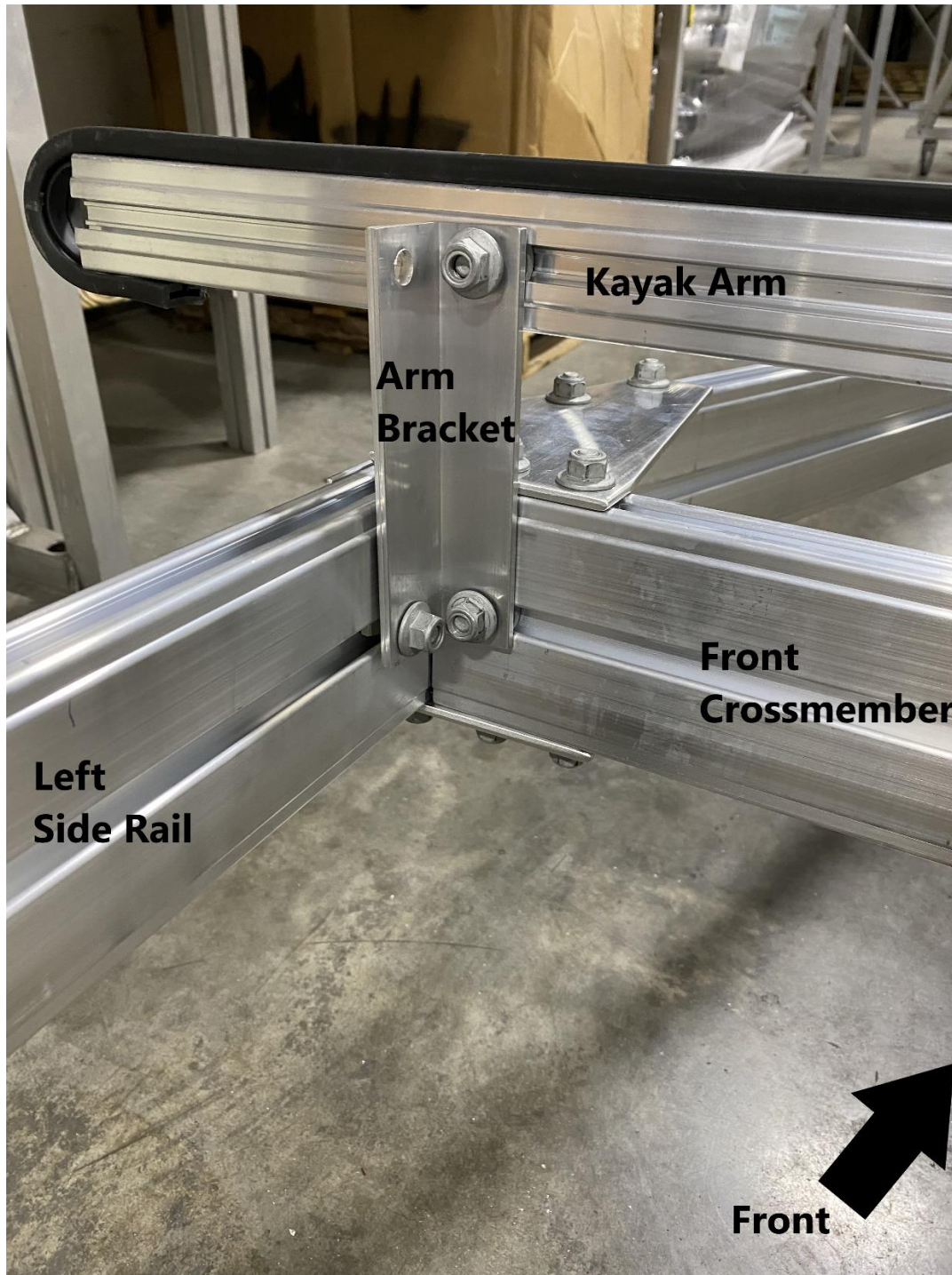
Locate the (4) T-bolts installed in the front crossmember. The (2) center T-bolts will be used to install the front post. Remove the (2) locknuts using a 9/16" wrench.



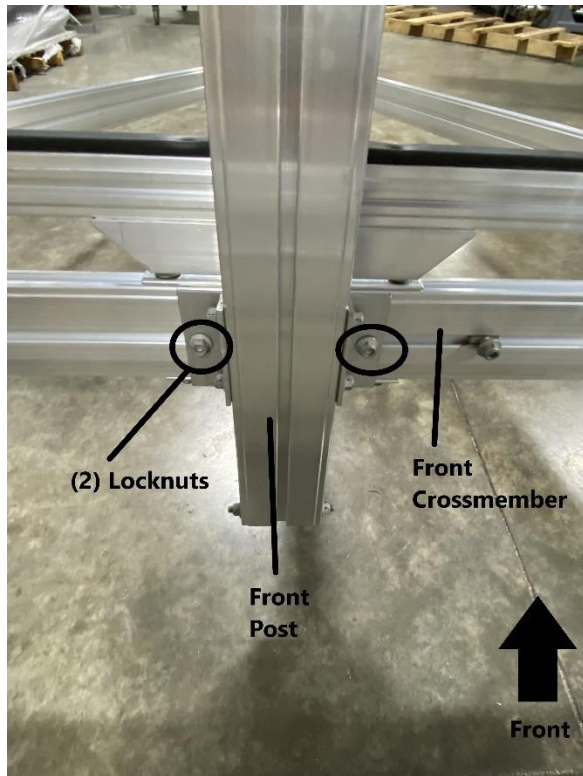
Two people will be necessary to install the front post. Install the front post to the (2) center T-bolts as shown. Replace the locknuts but do not fully tighten yet.



Locate the (4) arm brackets. Note the (2) arm brackets that will be used for the front post and the (2) arm brackets that will be used for the rear post.



The left side rail and front crossmember will each have a T-bolt and locknut installed. Remove the locknuts using a 9/16" wrench. Install the arm bracket to the kayak arm, using the T-bolt already installed in the arm bracket. After the arm bracket has been installed to the kayak arm, install the arm bracket to the T-bolts installed in the left side rail and front crossmember. Tighten all (3) locknuts using a 9/16" wrench. Repeat this process for the other side.



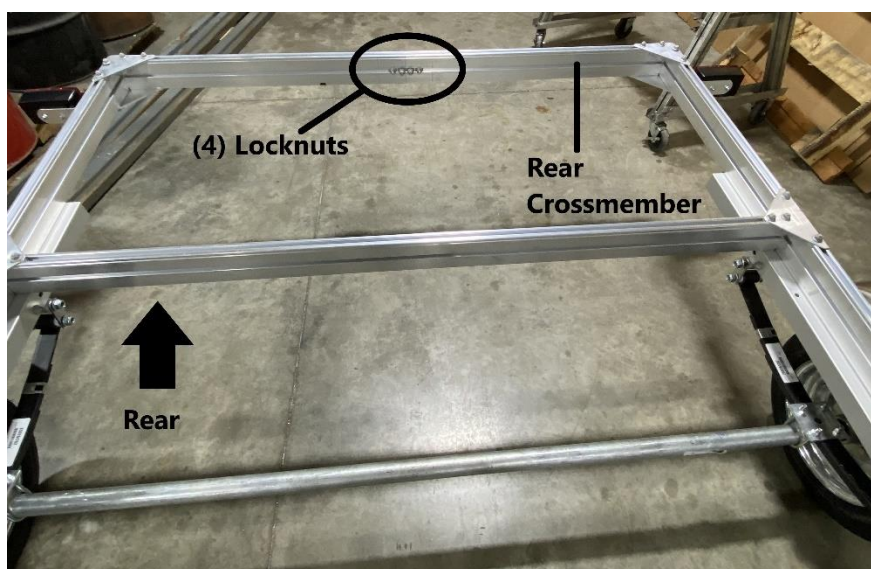
With the (2) arm brackets installed, the (2) locknuts holding the front post will need to be tightened. Tighten the (2) locknuts using a 9/16" wrench.



At this point the trailer looks like this.



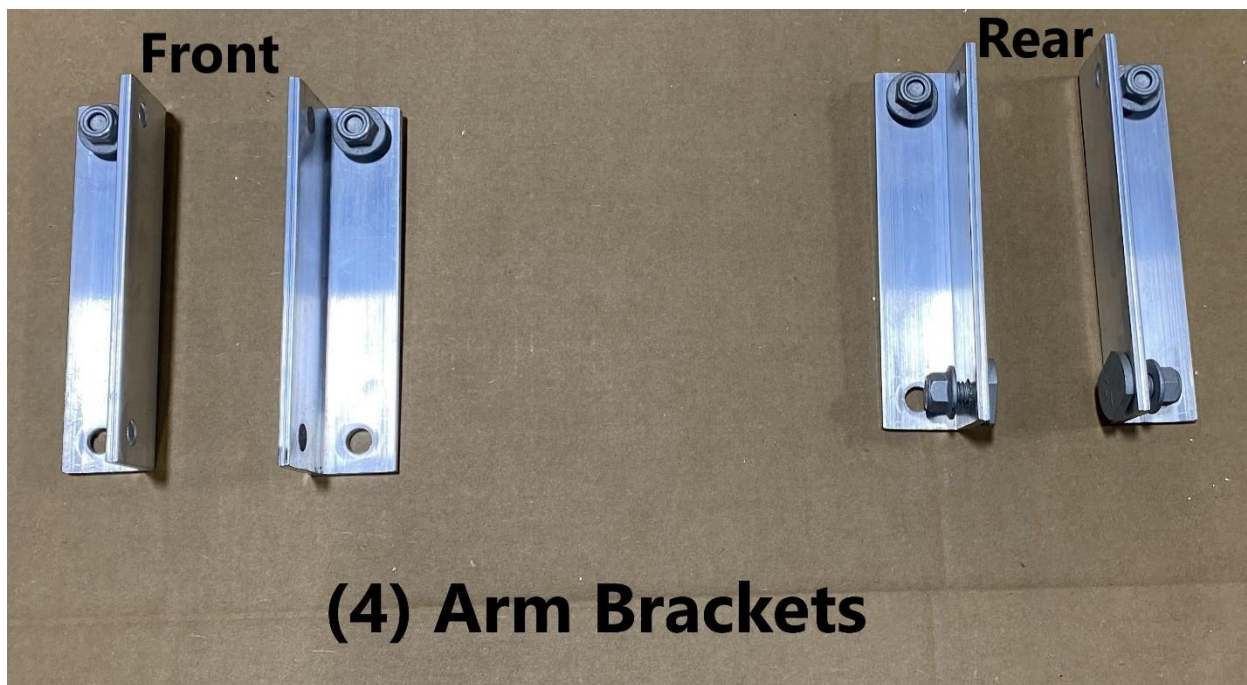
Repeat the earlier process to install (4) kayak arms to the rear post.



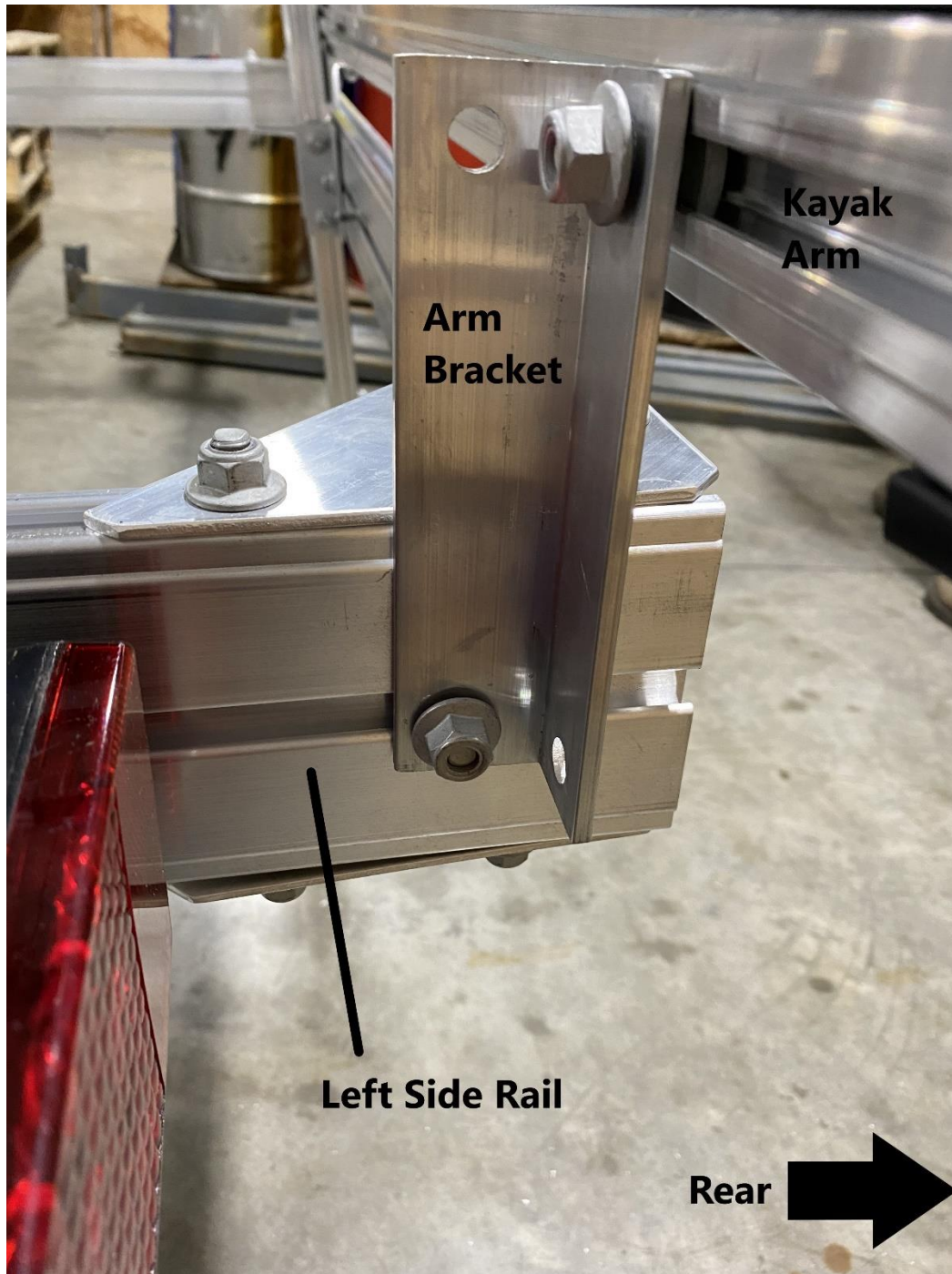
Locate the (4) locknuts installed on the rear crossmember. The two center locknuts will be used to install the rear post. Remove the (2) center locknuts using a 9/16" wrench.



Two people will be necessary to install the rear post. Install the rear post to the (2) center T-bolts as shown. Replace the locknuts but do not fully tighten yet.



Locate the (2) rear arm brackets.



Install the arm bracket to the kayak arm, using the T-bolt already installed in the arm bracket. After the arm bracket has been installed to the kayak arm, install the arm bracket to the left side rail, using the T-bolt already installed in the arm bracket. Tighten both locknuts using a 9/16" wrench. Repeat this process for the other side.



With the (2) arm brackets installed, the (2) locknuts holding the rear post will need to be tightened. Tighten the (2) locknuts using a 9/16" wrench.

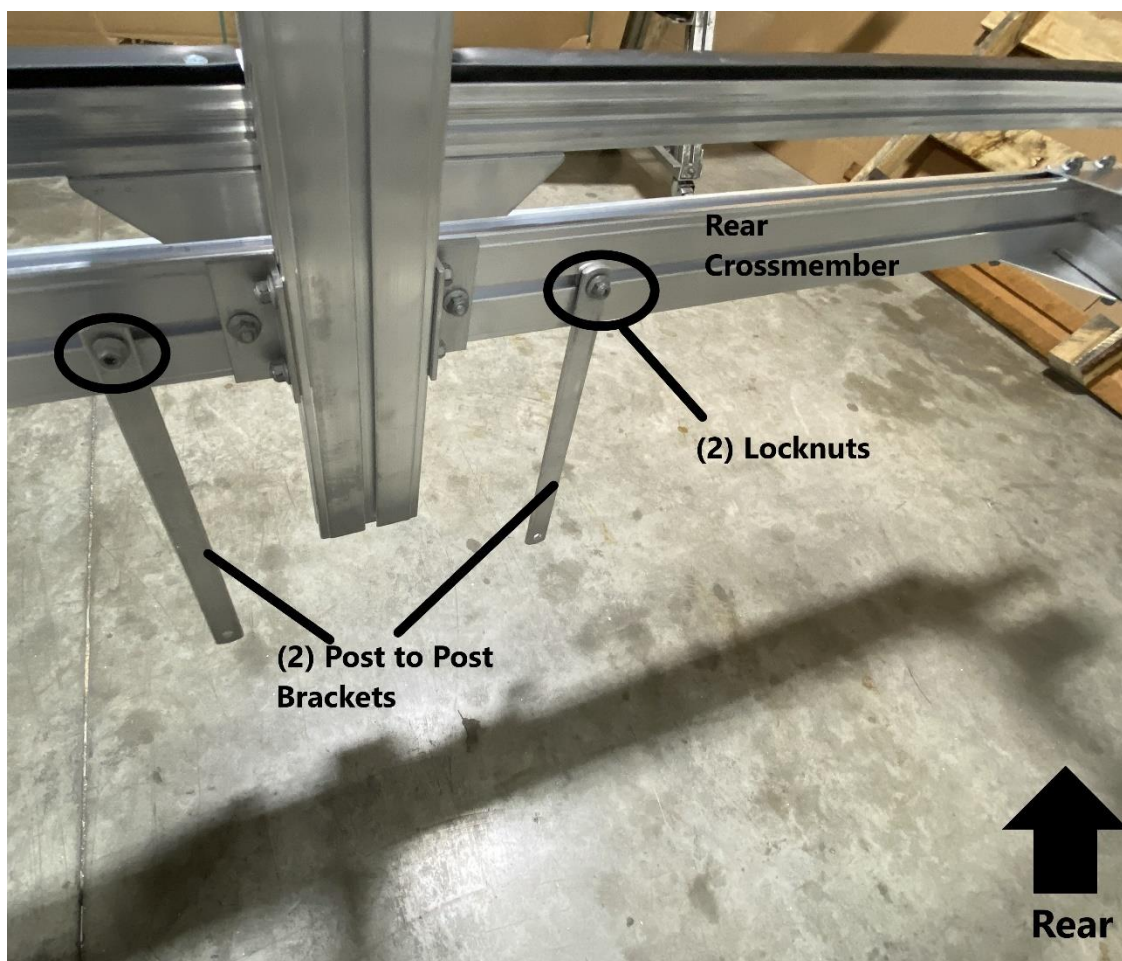


At this point the trailer look like this.

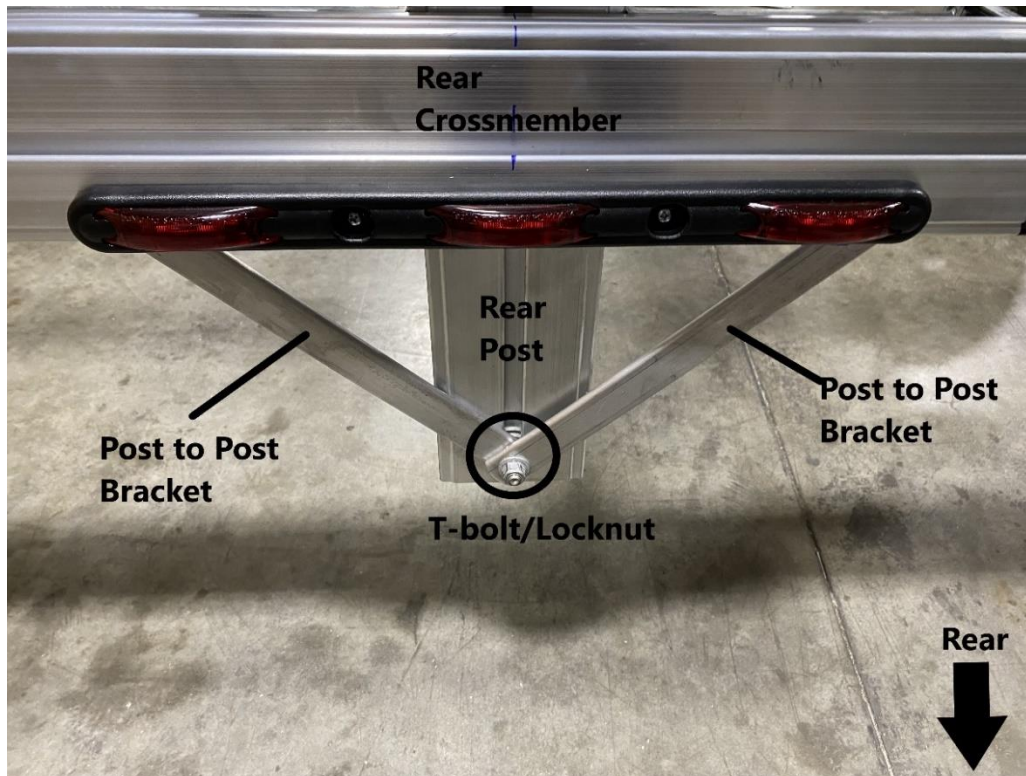


(6) Post to Post Brackets

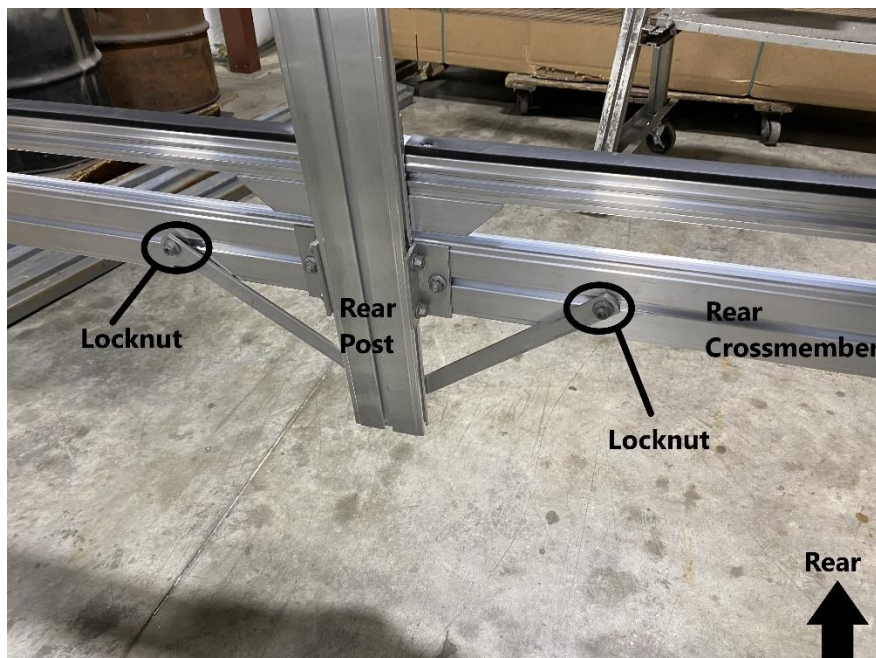
Locate the (6) post to post brackets. (4) brackets will be used for the front post and (2) brackets will be used for the rear post.



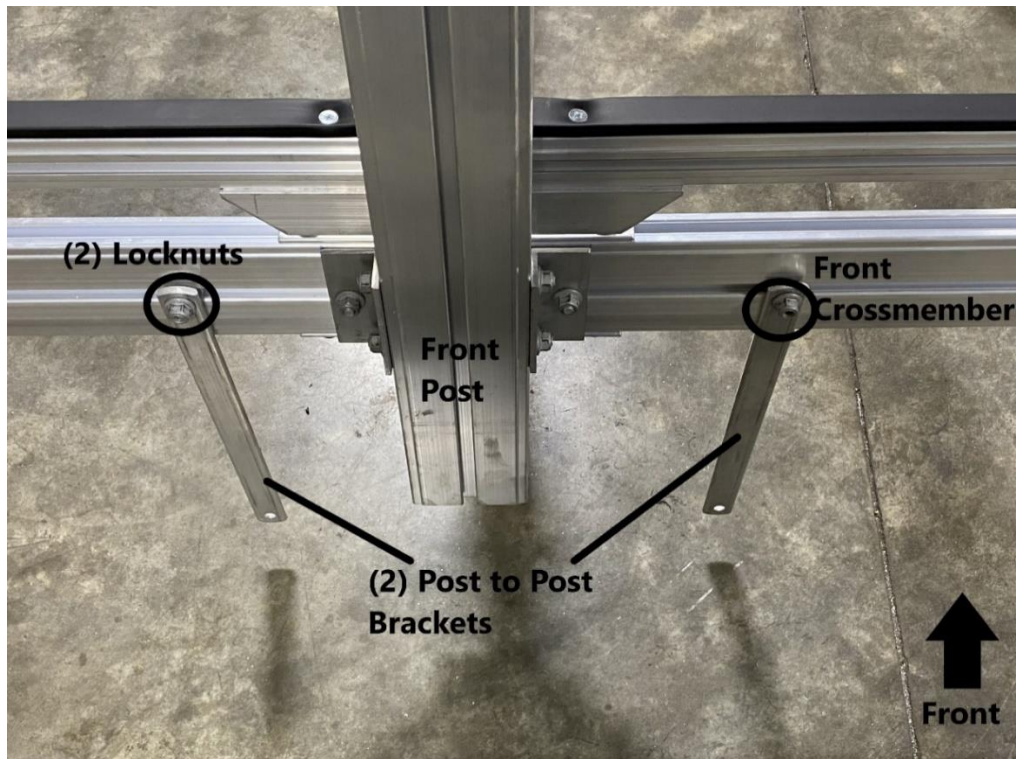
Install (2) post to post brackets using the remaining (2) T-bolts installed in the rear crossmember. Replace the (2) locknuts but do not fully tighten yet.



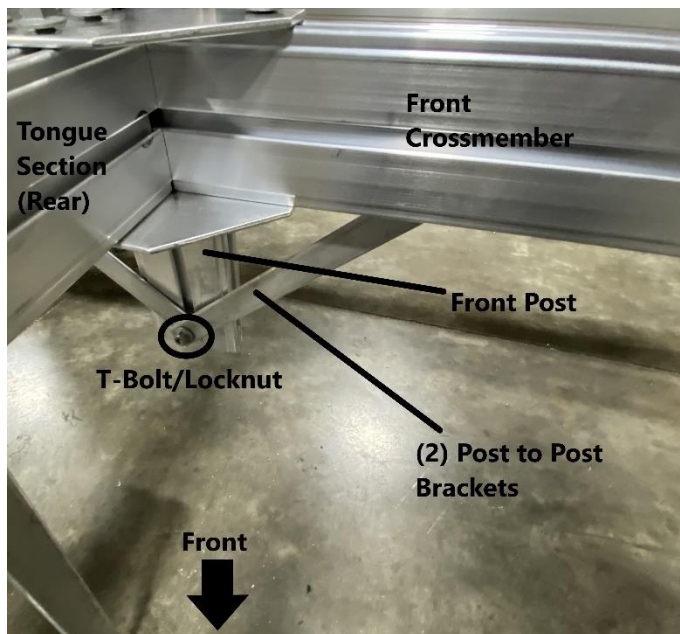
Move to the outside of the trailer. Place a T-bolt into the groove of the rear post. This will be a longer T-bolt (1 1/8") that was originally installed in the rear post. Install the (2) post to brackets to the T-bolt as shown. Install a locknut on the T-bolt and tighten using a 9/16" wrench.



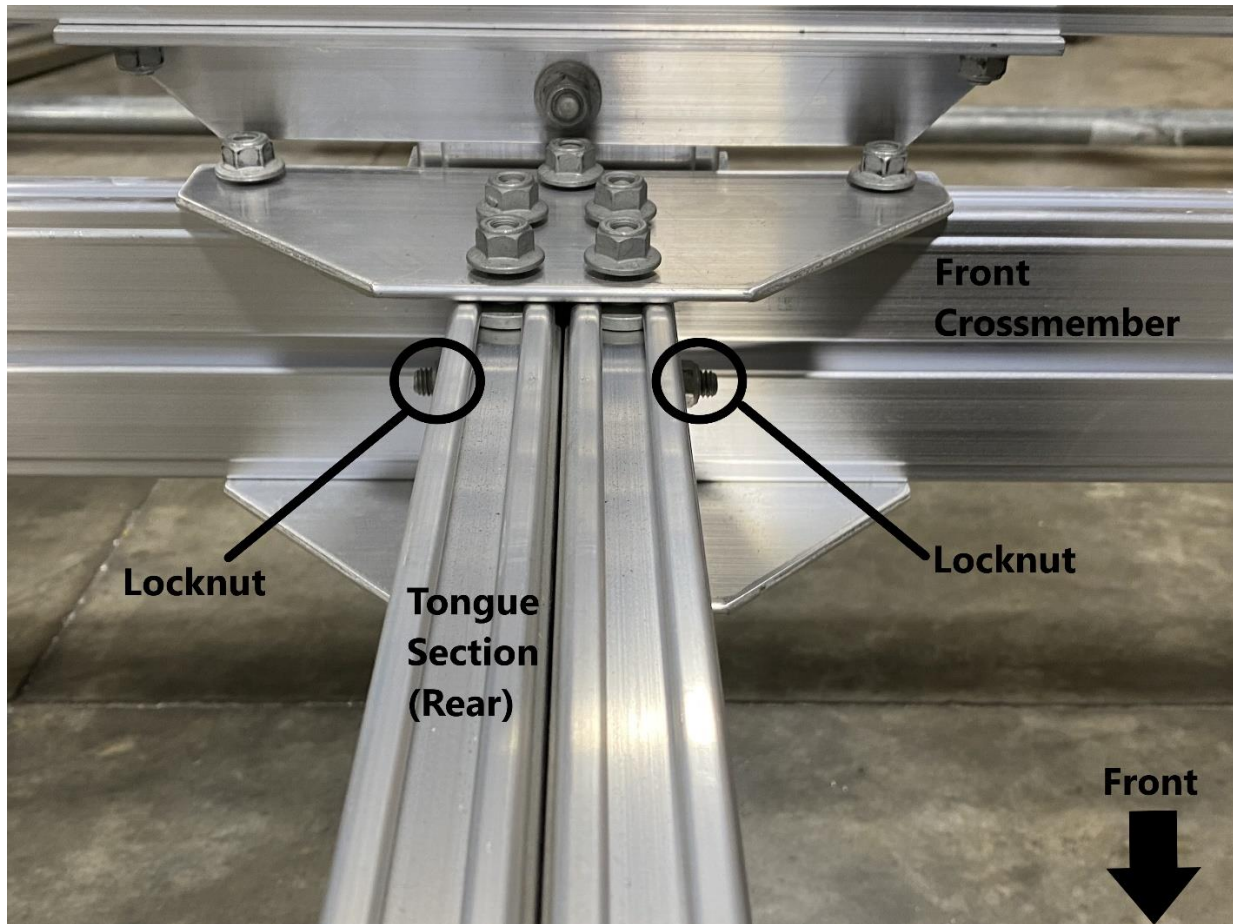
Tighten the (2) earlier locknuts using a 9/16" wrench.



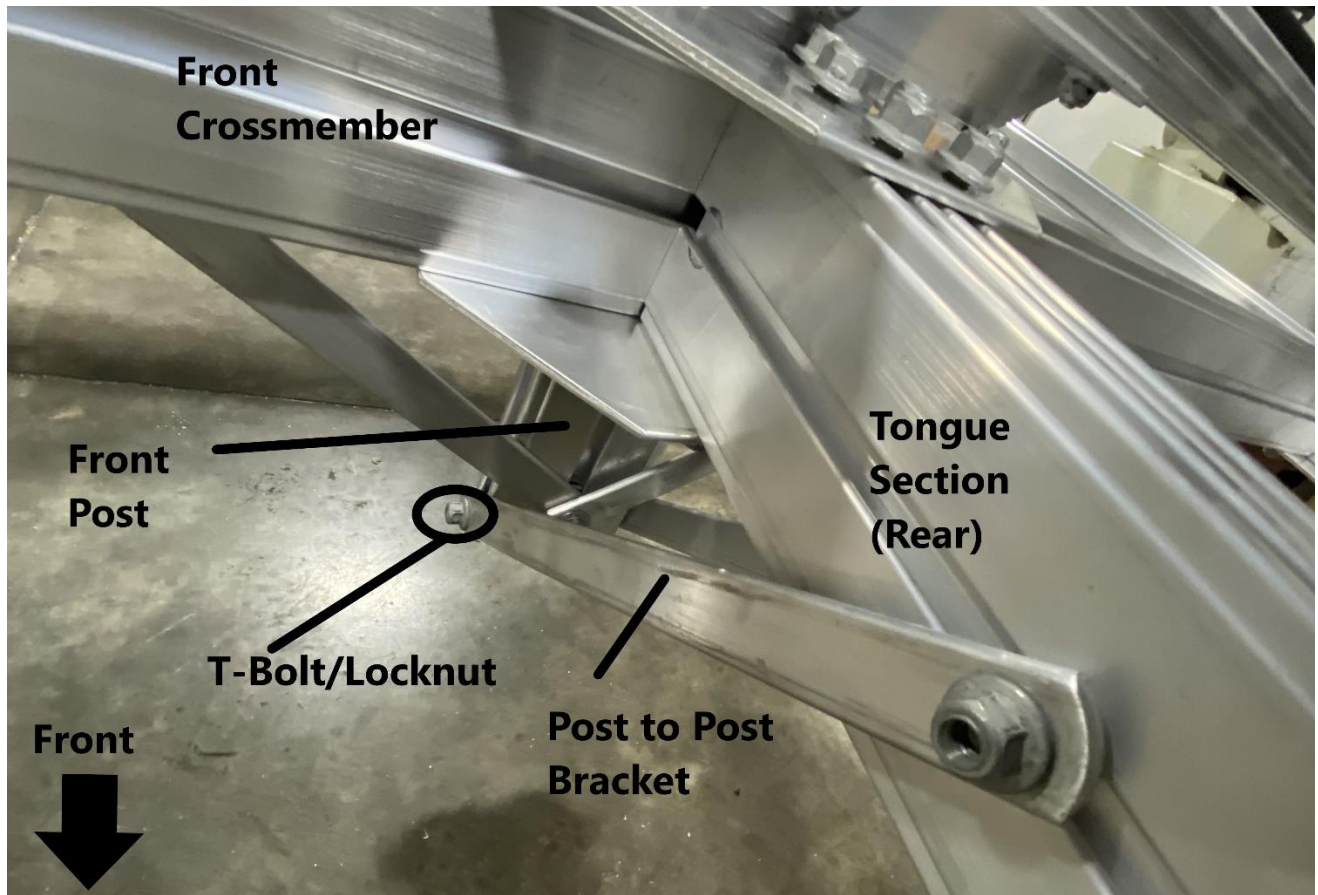
Install (2) post to post brackets using the remaining (2) T-bolts installed in the front crossmember. Replace the (2) locknuts but do not fully tighten yet.



Move to the outside of the trailer. Place a T-bolt into the groove of the front post. This will be a longer T-bolt (1 1/8") that was originally installed in the front post. Install the (2) post to brackets to the T-bolt as shown. Install a locknut on the T-bolt and tighten using a 9/16" wrench. Tighten the (2) earlier locknuts using a 9/16" wrench.



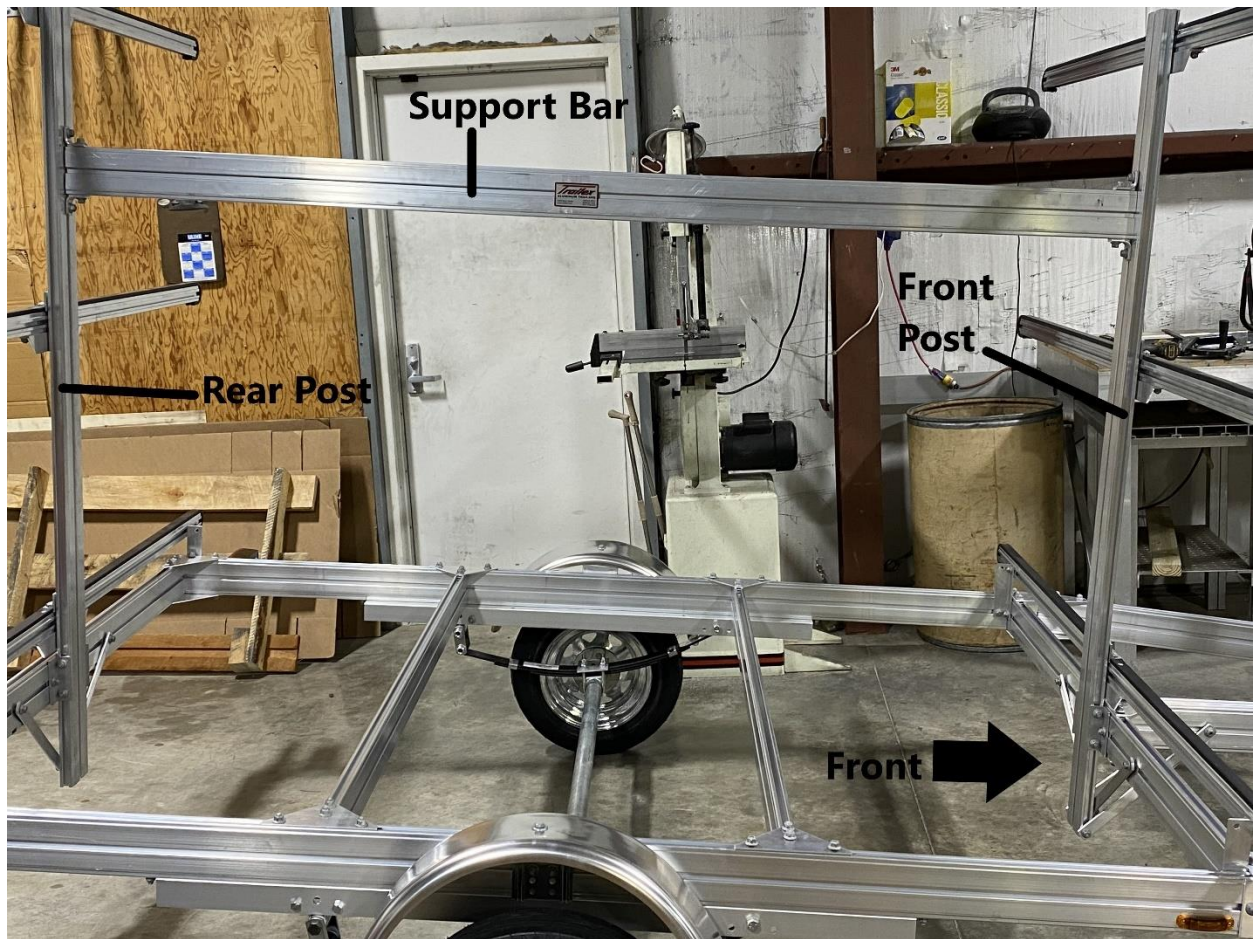
Locate the (2) locknuts installed in the rear tongue section. Remove the (2) locknuts using a 9/16" wrench. Install the remaining (2) post to post brackets to the (2) T-bolts. Replace the locknuts but do not fully tighten yet.



The front post will have (2) T-bolts and locknuts installed in the side grooves. Remove the (2) locknuts using a 9/16" wrench. Install the (2) post to post brackets to the front post as shown, using the T-bolts installed in the side grooves of the front post. Replace the (2) locknuts and tighten using a 9/16" wrench. Once complete, tighten the (2) locknuts holding the (2) post to post brackets to the rear tongue section using a 9/16" wrench.



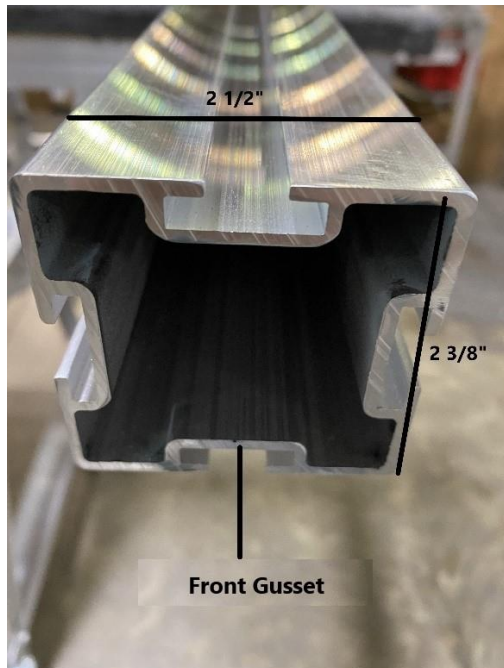
Locate the support bar.



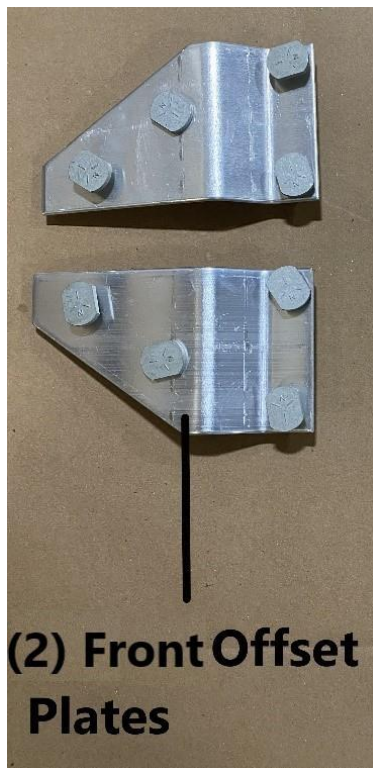
Install the support bar to the trailer as shown. Two people will be necessary to install the support bar. A ladder will also be required. Follow all safety requirements while using the ladder. Slide the (4) T-Bolts installed on the (4) angles into the grooves of the front and rear posts. Tighten the (4) locknuts using a 9/16" wrench.



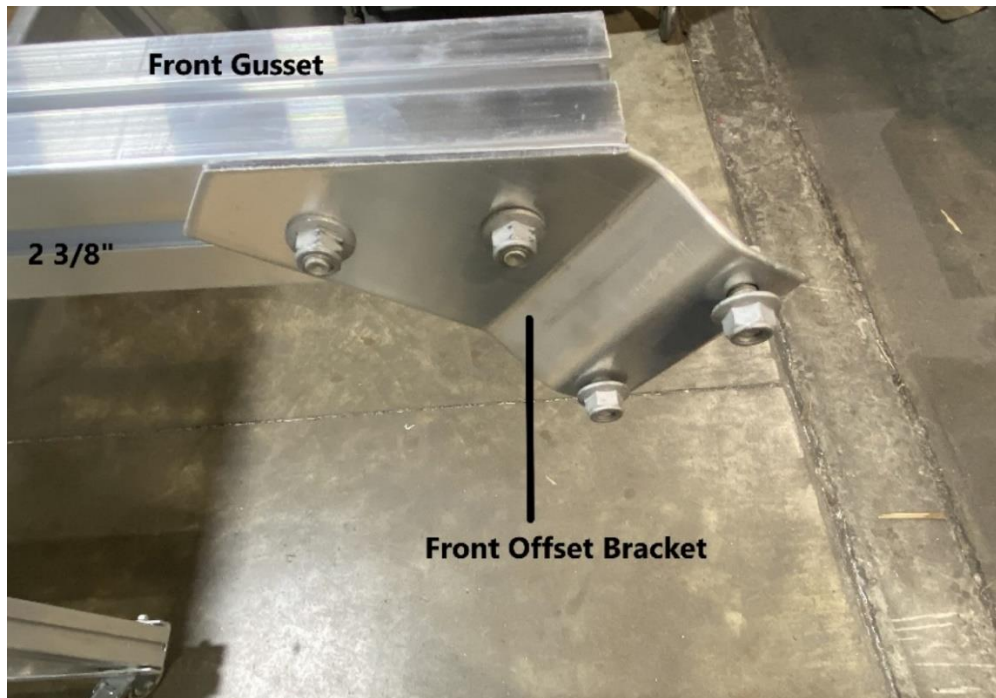
Locate the front gusset.



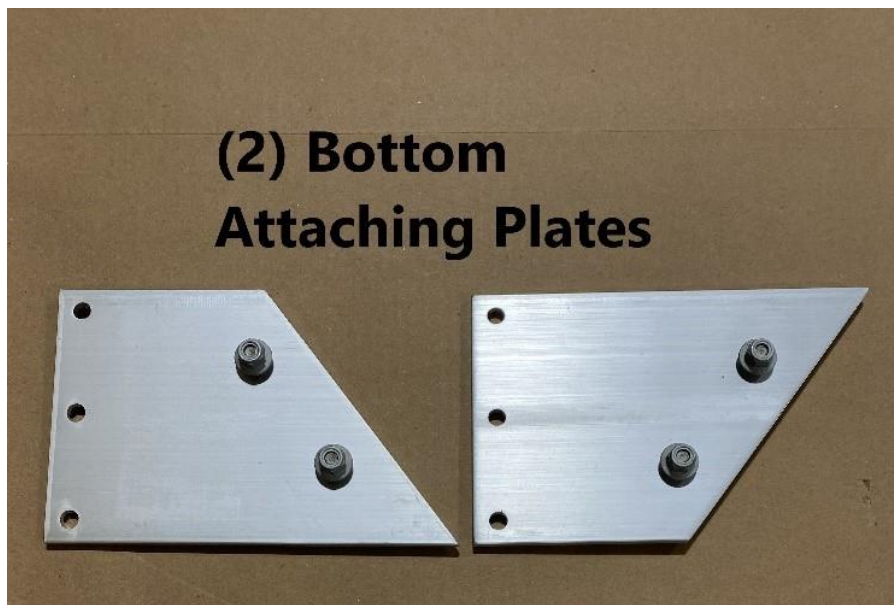
The front gusset is not a perfect square. One side is 2 1/2" while the other side is 2 3/8".



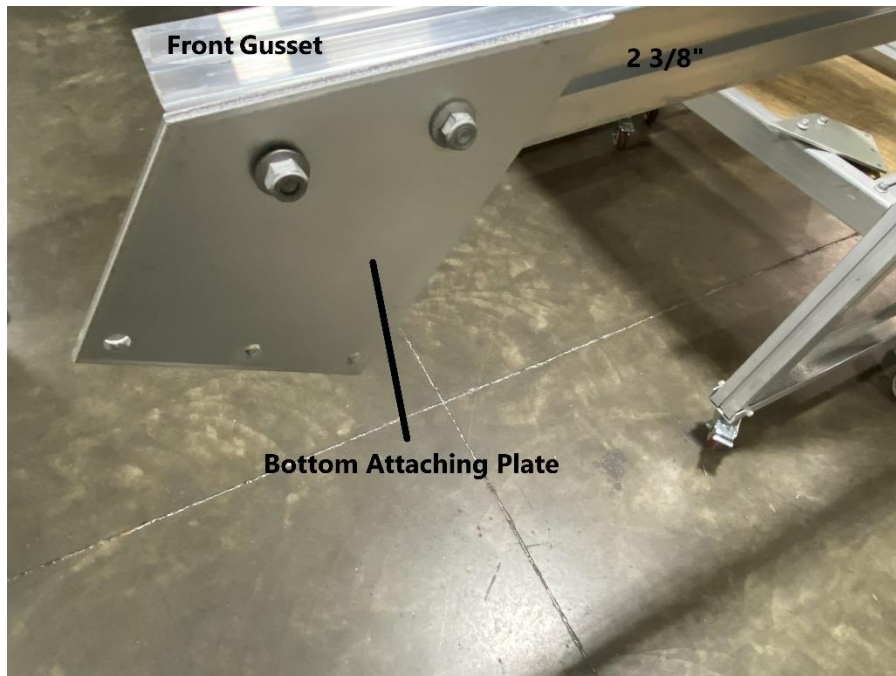
Locate the (2) front offset plates.



Install (1) front offset bracket to the 2 3/8" side of the front gusset as shown. Tighten the nuts using a 9/16" wrench.



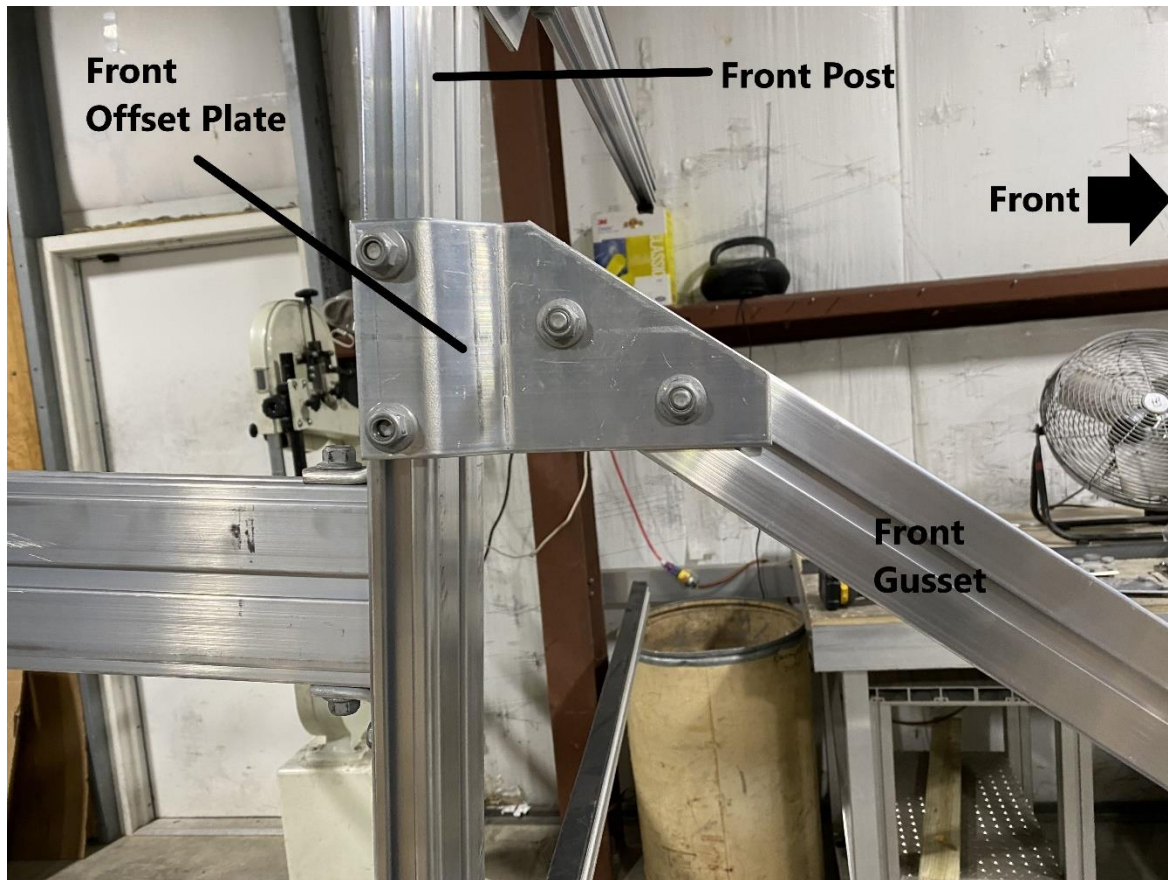
Locate the (2) bottom attaching plates.



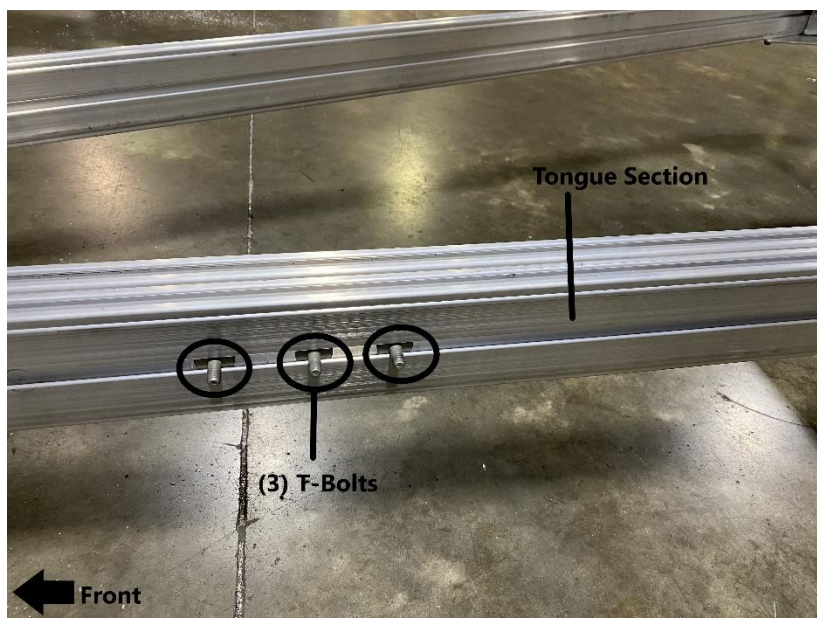
Install (1) bottom attaching plate to the 2 3/8" side of the front gusset as shown. This will be on the same groove that the front offset plate was installed. Tighten the locknuts using a 9/16" wrench.



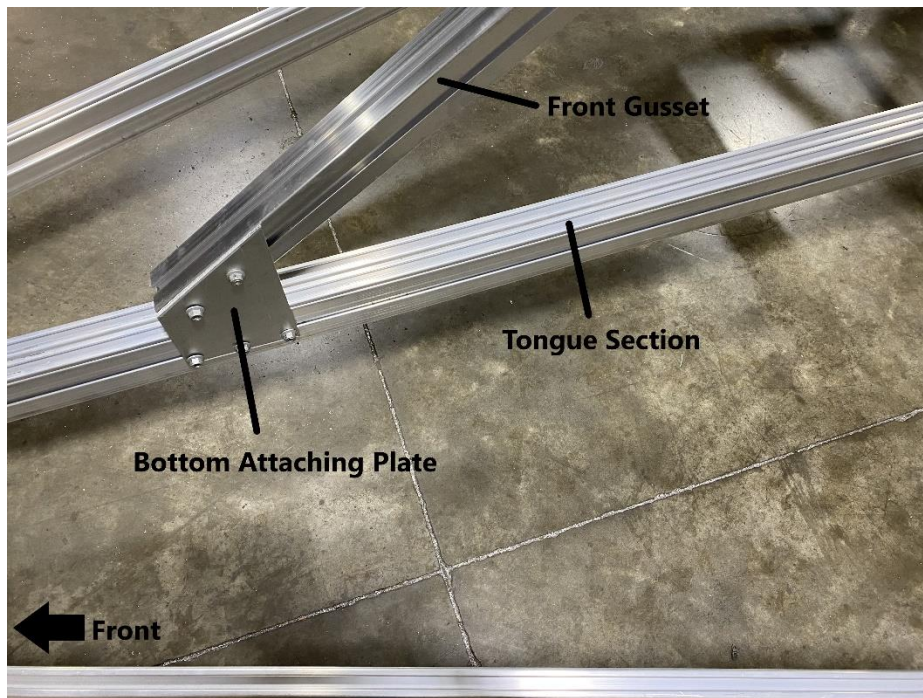
At this point the front gusset looks like this.



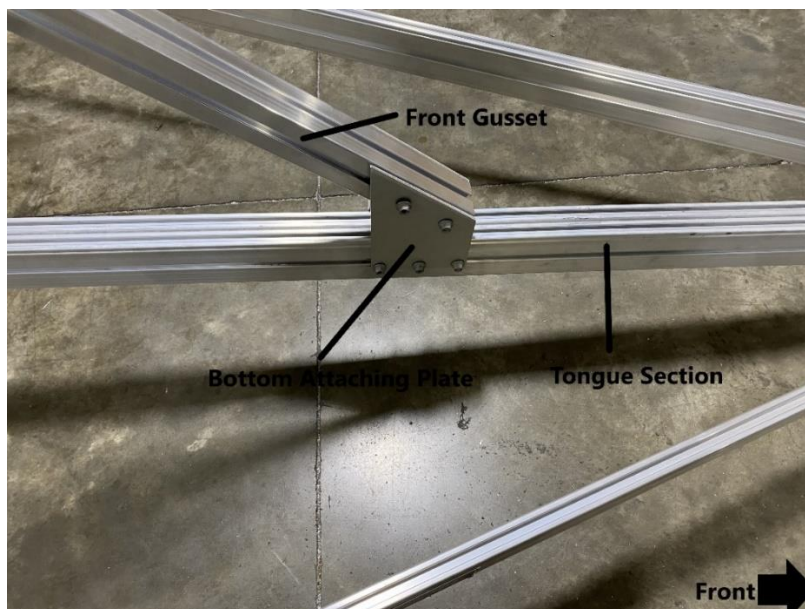
Using a ladder, install the front offset plate and front gusset to the front post as shown. Tighten the locknuts using a 9/16" wrench.



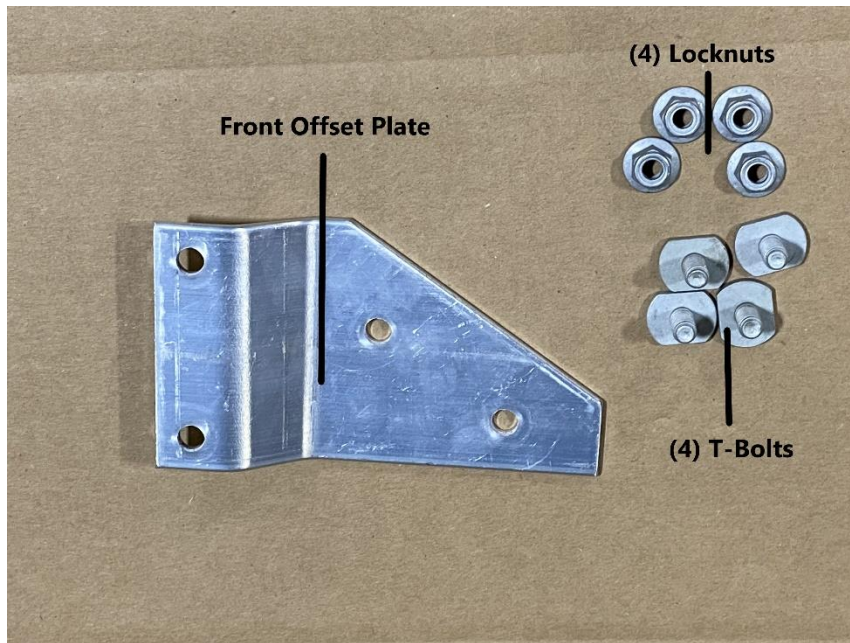
Locate the (3) T-bolts and locknuts installed in the tongue section. Remove the locknuts using a 9/16" wrench.



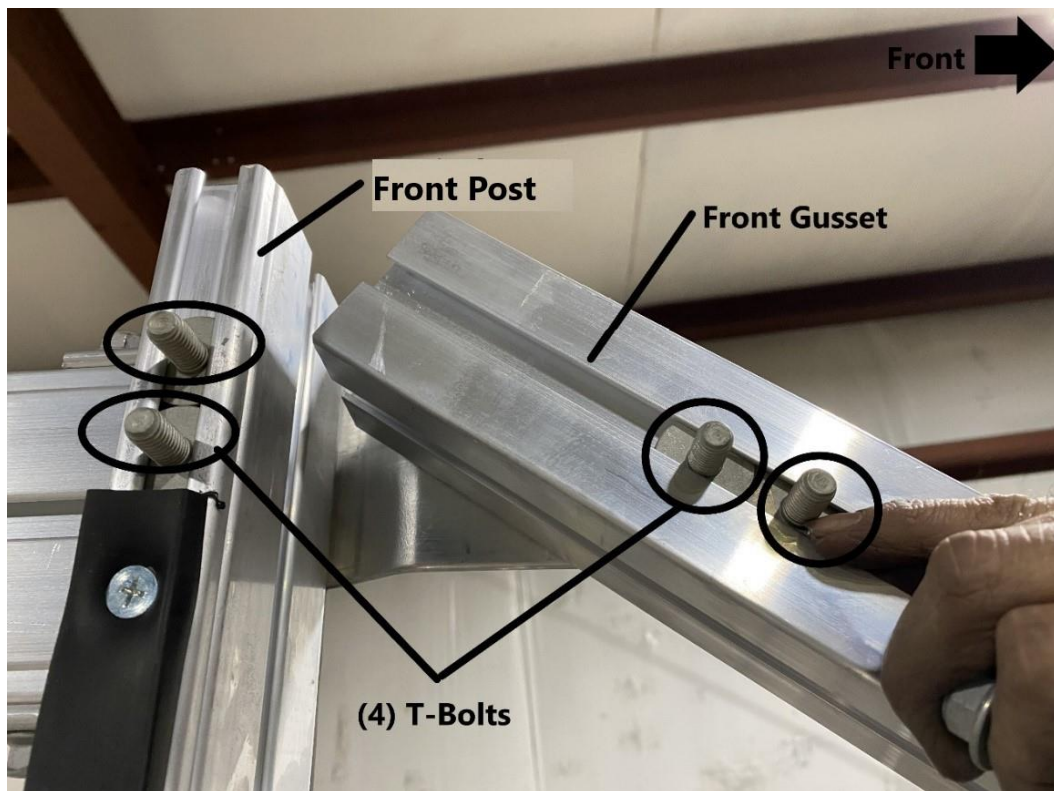
Install the bottom attaching plate and front gusset to the tongue section as shown. Replace the locknuts and tighten using a 9/16" wrench.



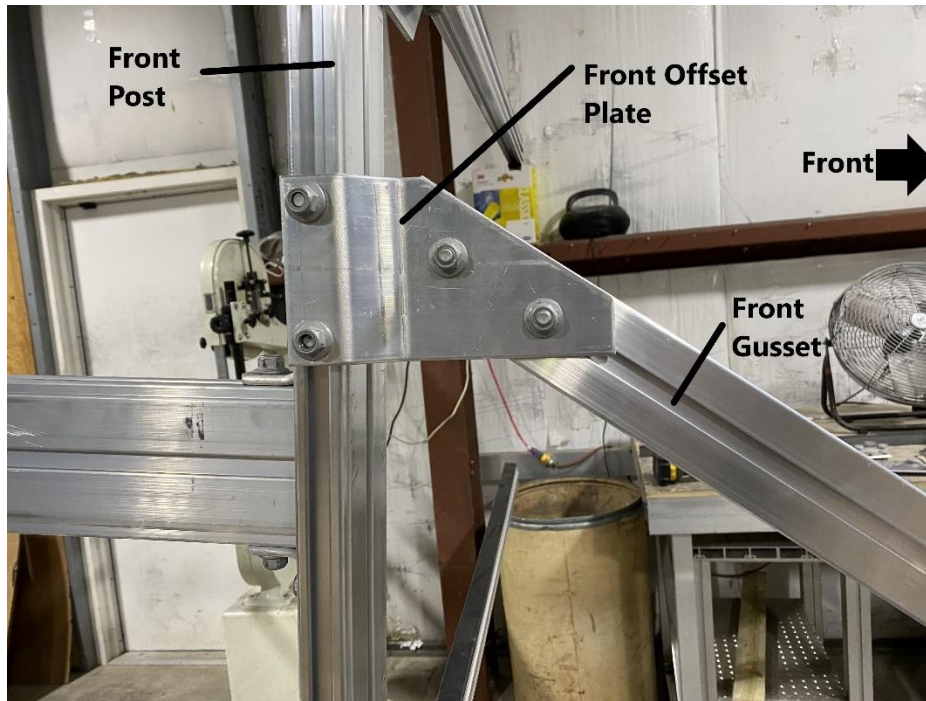
Install the second bottom attaching plate as shown. Remove the (3) locknuts from the (3) T-Bolts in the tongue section. Insert (2) T-Bolts into the front gusset and install the bottom attaching plate. Replace the locknuts and tighten using a 9/16" wrench.



Remove the (4) locknuts and (4) T-Bolts from the remaining front offset plate.



Install (4) T-Bolts to the front gusset and front post as shown.



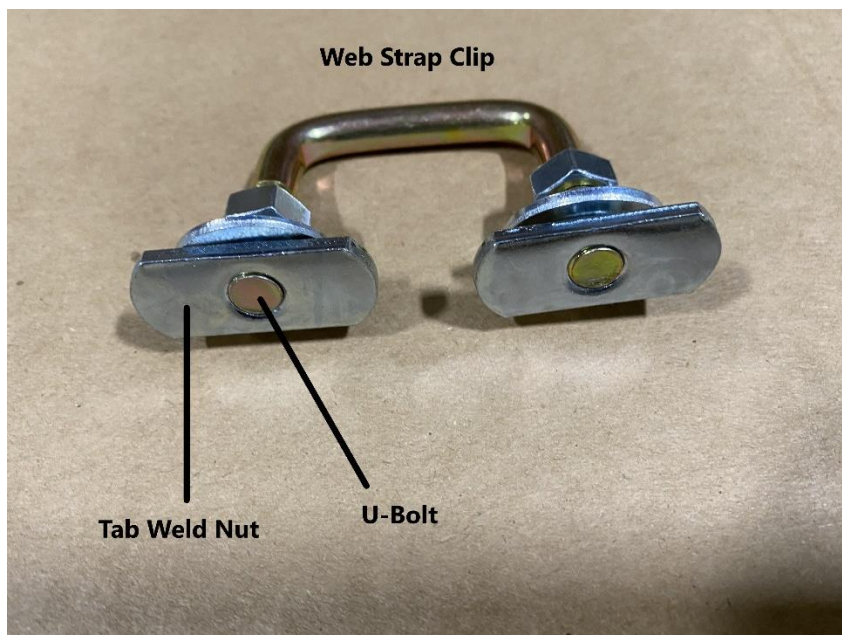
Install the second front offset bracket to front gusset and front post as shown. Replace the (4) locknuts and tighten using a 9/16" wrench.



At this point the trailer looks like this.



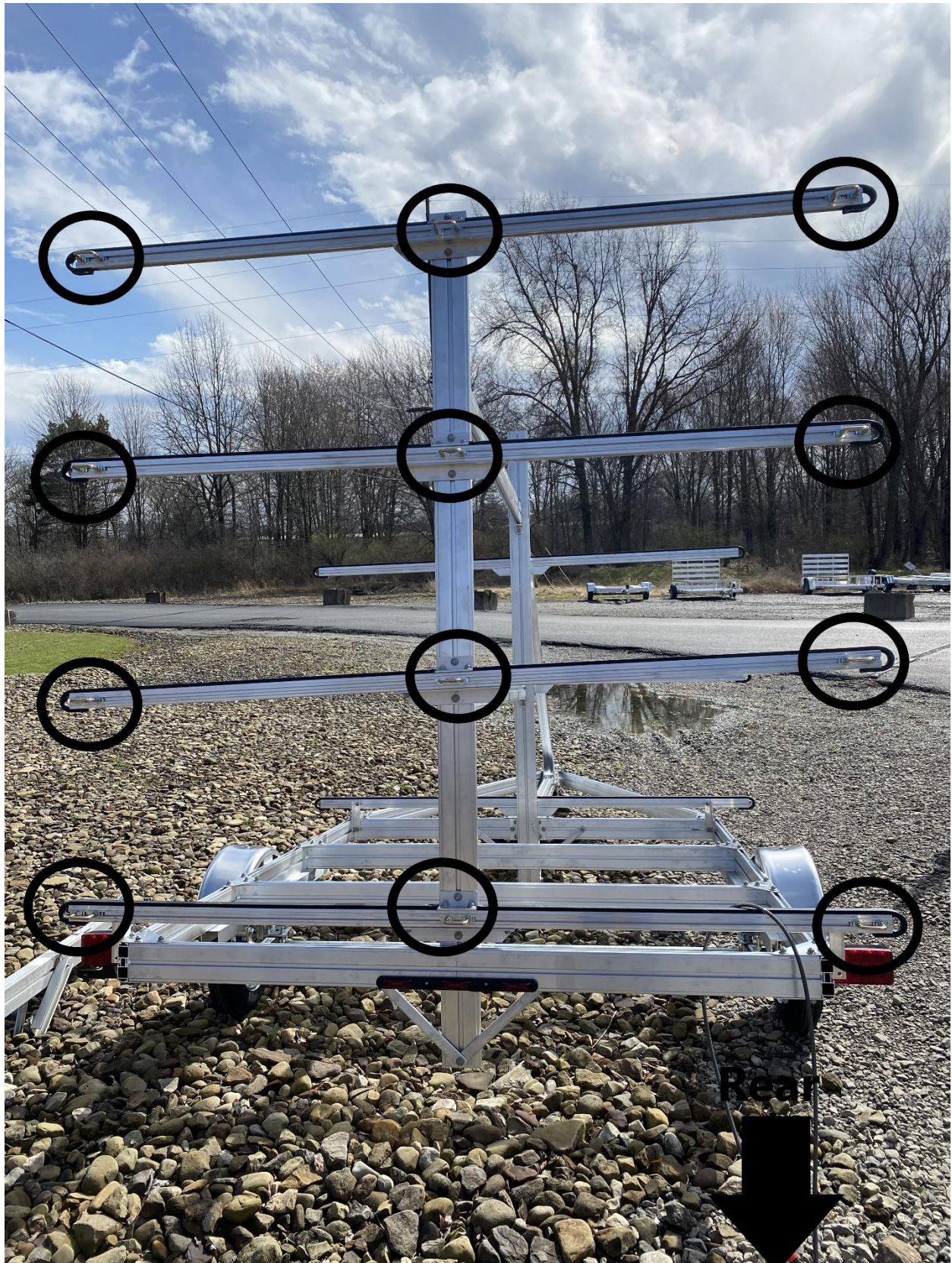
Locate (24) web strap clips.



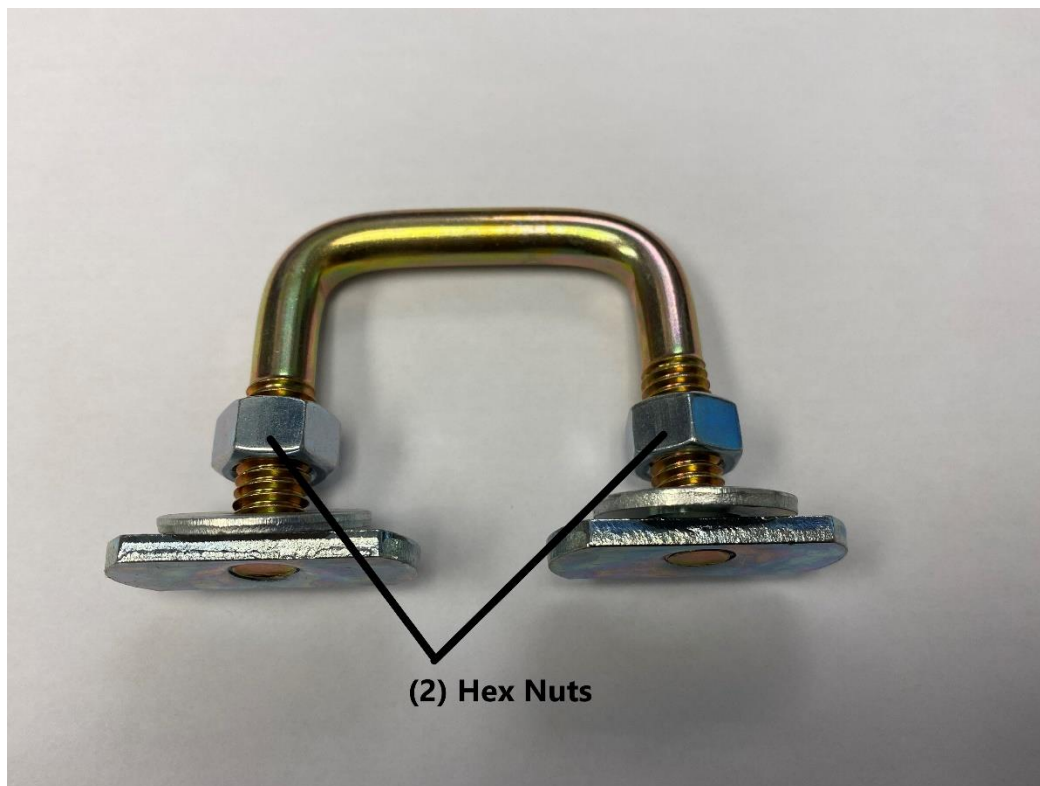
Before installing a web strap clip, make sure that the tab weld nut is flush with the end of the U-bolt.



Install (12) web strap clips into the (4) front kayak arms as shown. Slide the tab weld nuts of the web strap clip into the groove of the kayak arms. The rubber vinyl may need pushed to allow access to the groove of the kayak arms.



Repeat the process to install the (12) remaining web strap clips to the rear kayak arms.



Tighten the (2) hex nuts on each web strap clips using a 9/16" wrench.



The trailer is now assembled. Connect the flat four prong harness to the tow vehicle and confirm that all lights are in working order. Connect the safety cables to the tow vehicle in a crossing pattern. Connect the coupler to the hitch ball and confirm that the size of the coupler matches the hitch ball. Use a lock to confirm the coupler is locked in place. Torque the lug nuts after 20 miles to 80 foot pounds.

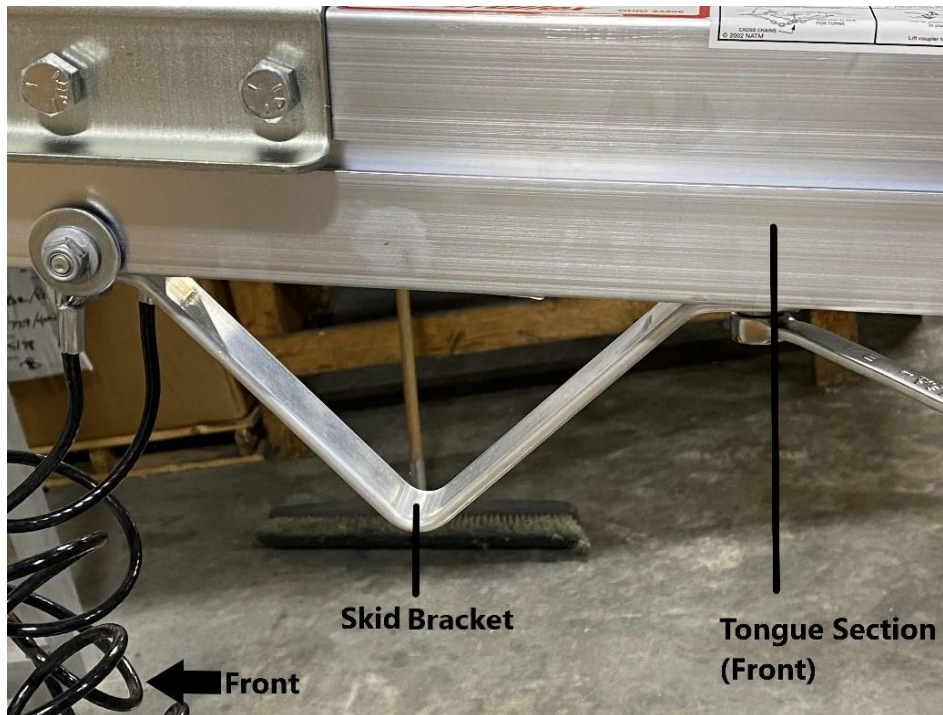
5-215 – SPARE TIRE CARRIER OPTION



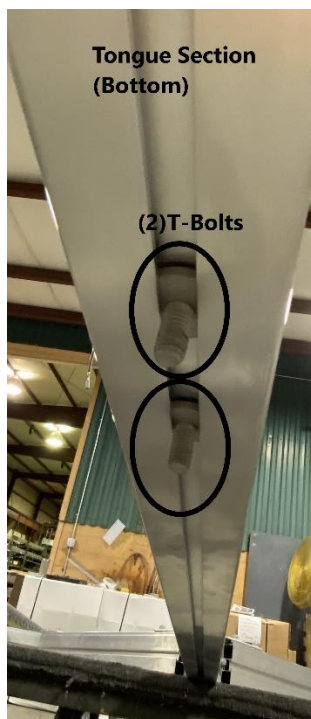
Locate the spare tire carrier.



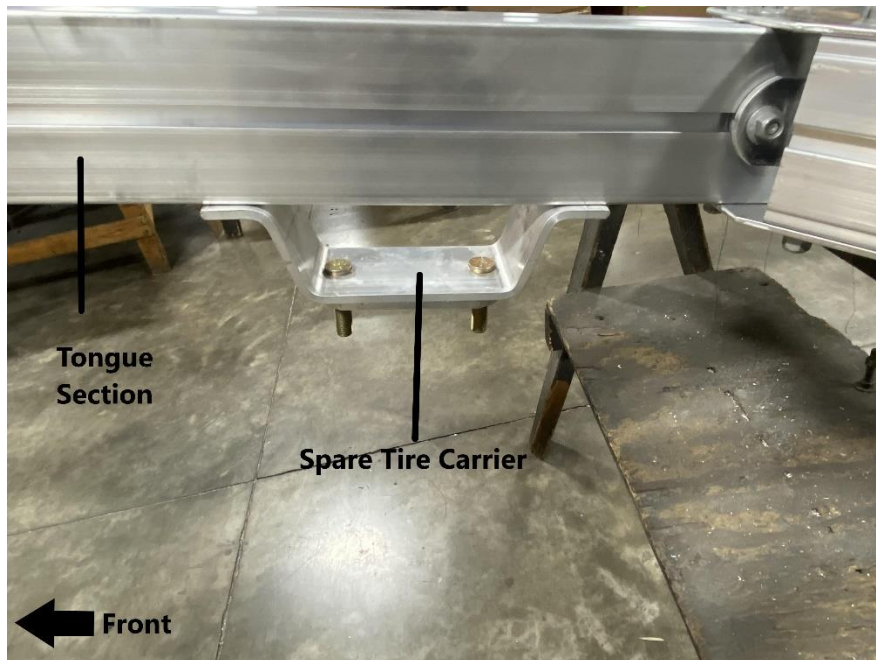
Remove the (2) T-Bolts, (2) locknuts, and (2) lug nuts as shown.



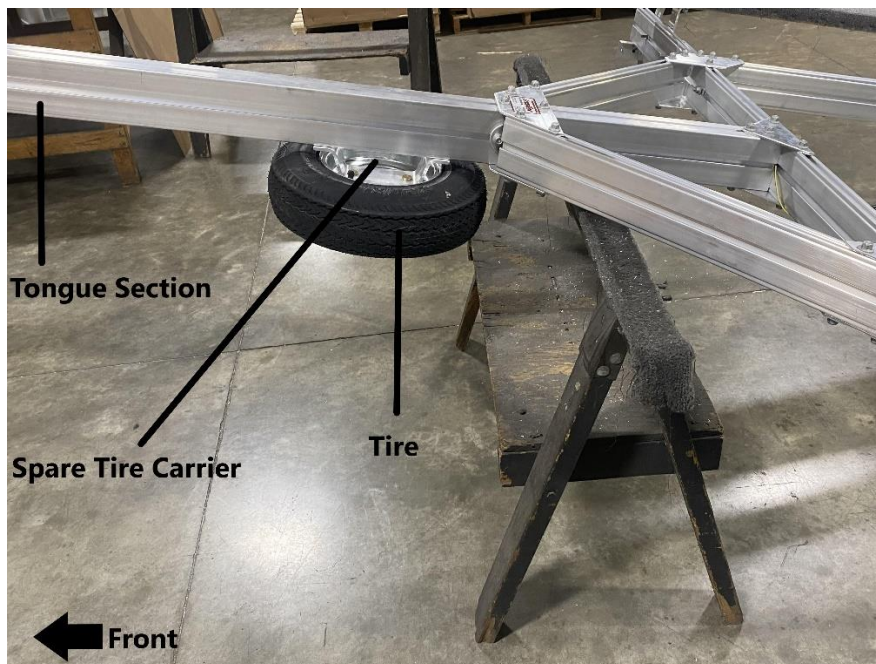
If equipped, the skid bracket will need to be removed before installing the spare tire carrier. Remove the nuts using a 9/16" wrench and then remove the skid bracket from the bottom of the tongue section.



Place the (2) T-bolts that were removed from the spare tire carrier into the groove on the bottom of the tongue section.



Mount the spare tire carrier to the T-bolts that were placed in the groove on the bottom of the tongue section. Tighten the locknuts using a 9/16" wrench.

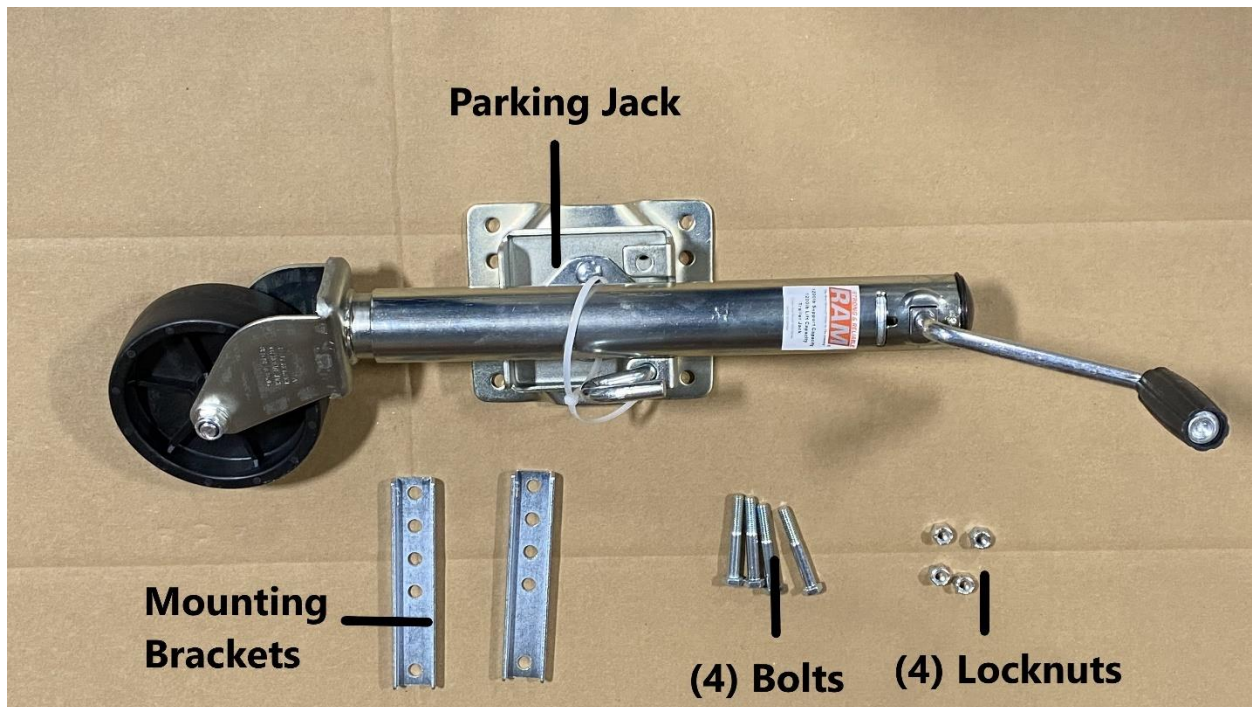


Mount the tire to the spare tire carrier as shown. Replace and tighten the lug nuts.

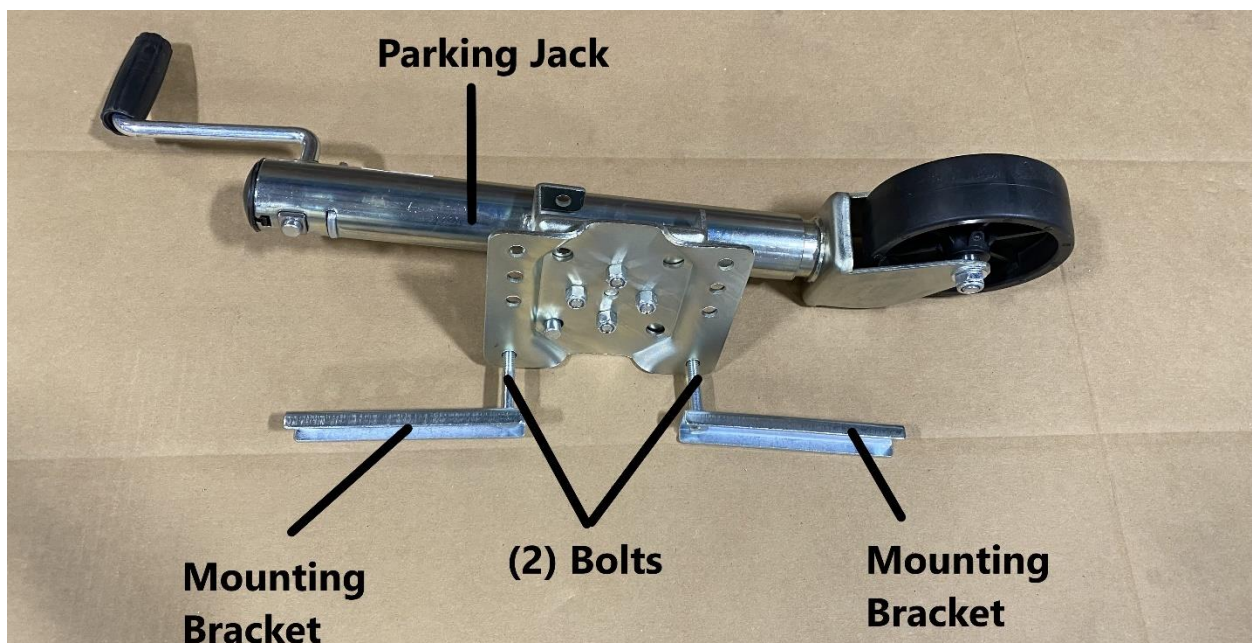


Re-install the skid bracket if necessary.

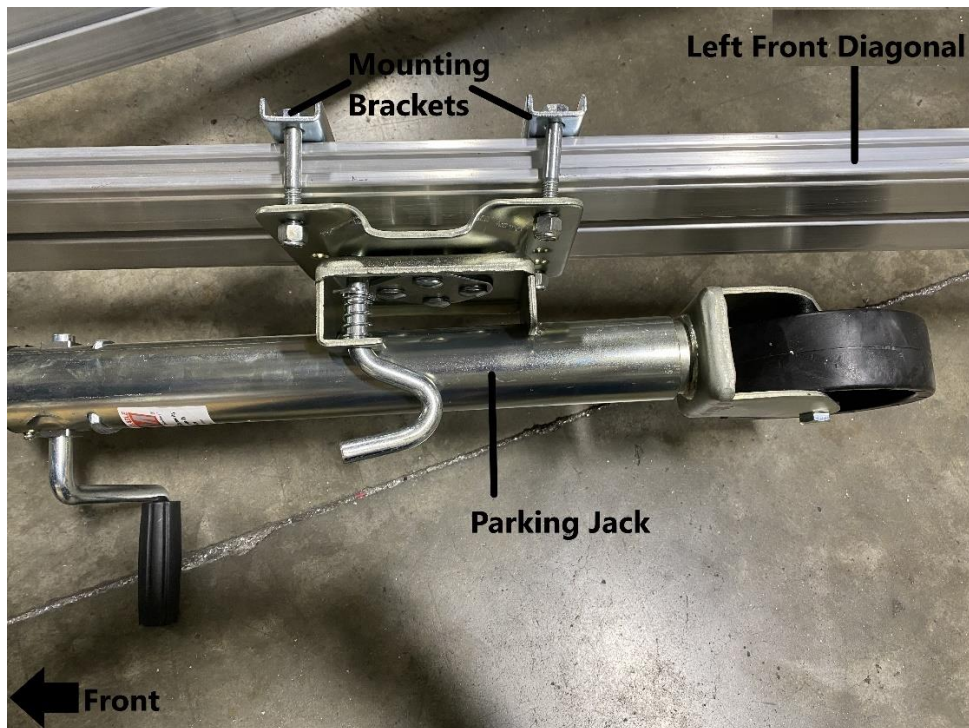
4-517D – PARKING JACK OPTION



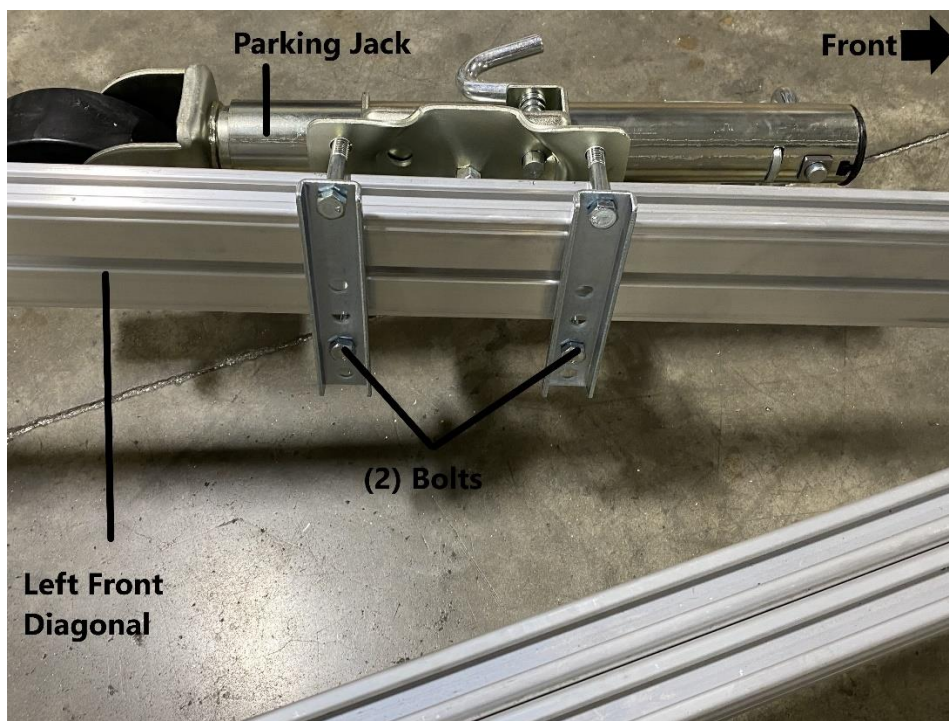
Locate the parking jack, (2) mounting brackets, (4) bolts and (4) locknuts.



Install the (2) mounting brackets to the parking jack using (2) bolts and (2) locknuts as shown.



Install the parking jack to the left (driver's side) front diagonal of the trailer as shown. Place the (2) bolts on top of the left front diagonal, with the parking jack facing outside of the trailer.

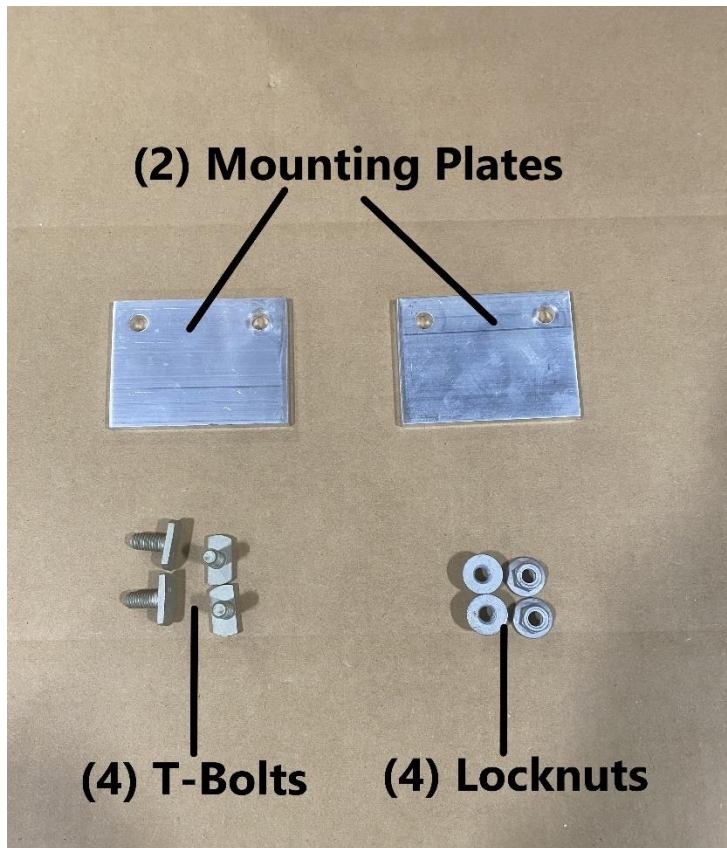


Install the remaining (2) bolts and (2) locknuts to the parking jack. Tighten all locknuts using a 9/16" ratchet and wrench.

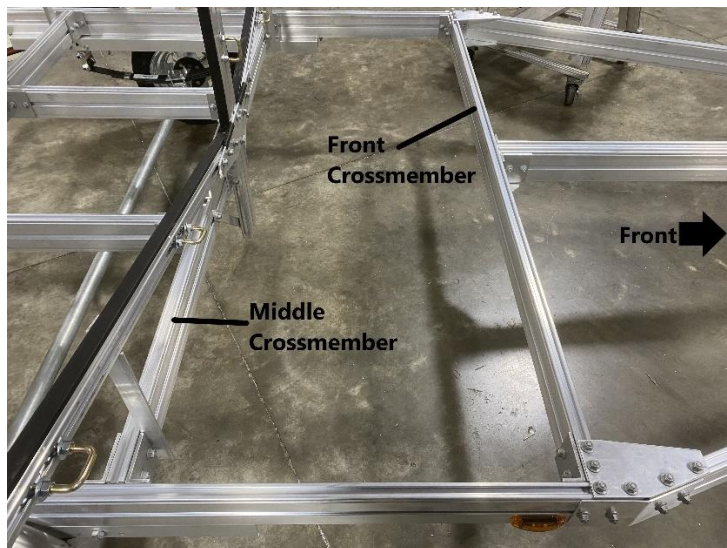


When installed, the parking jack will look like this.

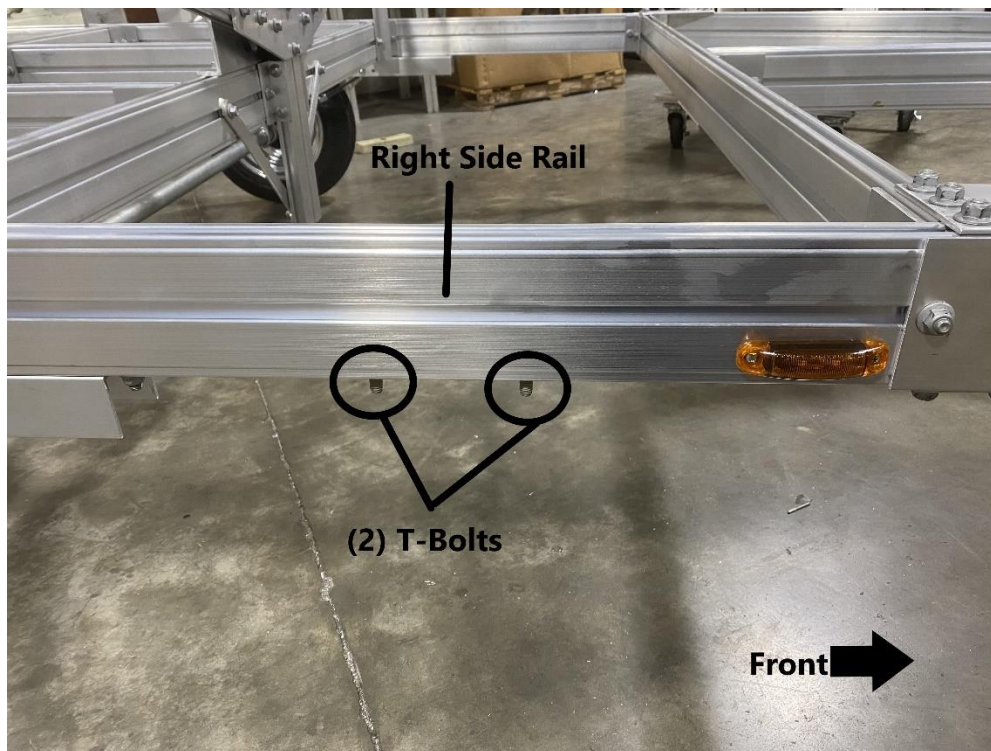
1701418 – Aluminum Storage Box



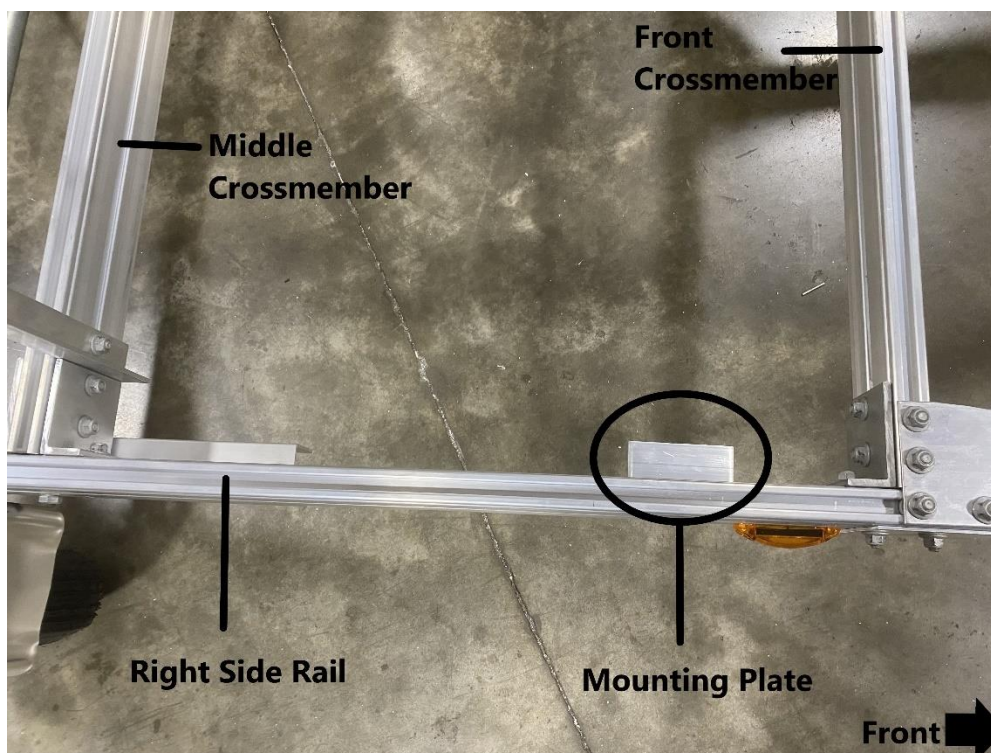
Locate the (2) mounting plates, (4) T-Bolts and (4) locknuts.



Locate the area between the middle crossmember and the front crossmember. This is the location the storage box will be installed.



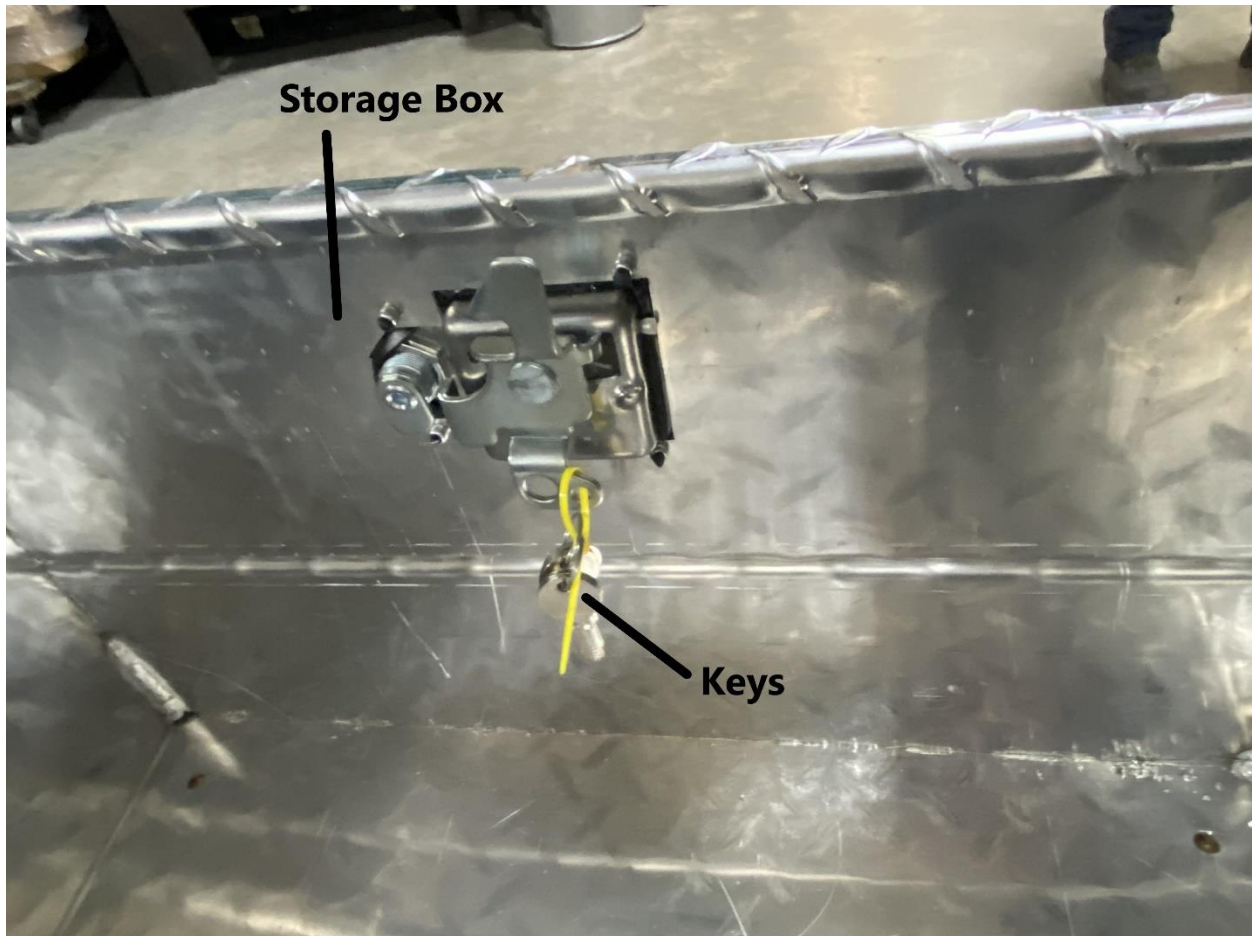
Install (2) T-Bolts to the right side rail as shown.



Install the mounting plate to the (2) T-bolts in the right side rail as shown. Loosely replace the (2) locknuts. Repeat this process on the left side rail.



Locate the aluminum storage box.



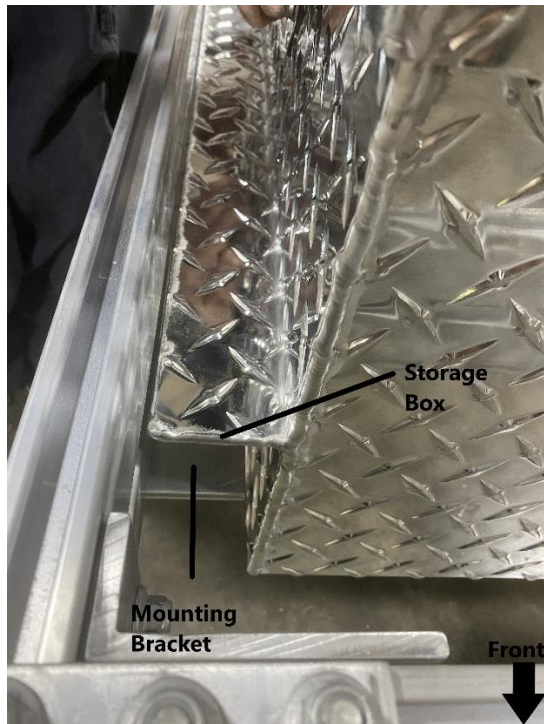
Keys to the storage box will be located inside.



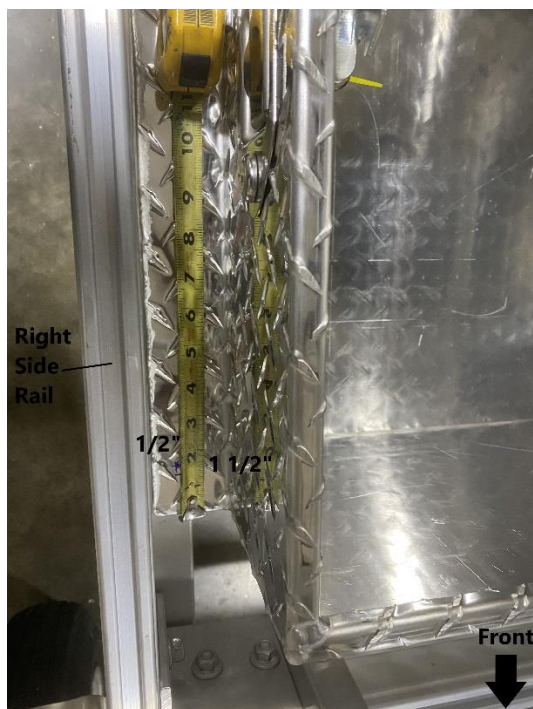
Place the aluminum storage box on the trailer as shown.



Use measuring tape to confirm that the storage box is centered.



Confirm that the edge of the mounting bracket is flush with the end of the storage box. Tighten the (2) locknuts on each mounting brackets using a 9/16" wrench.



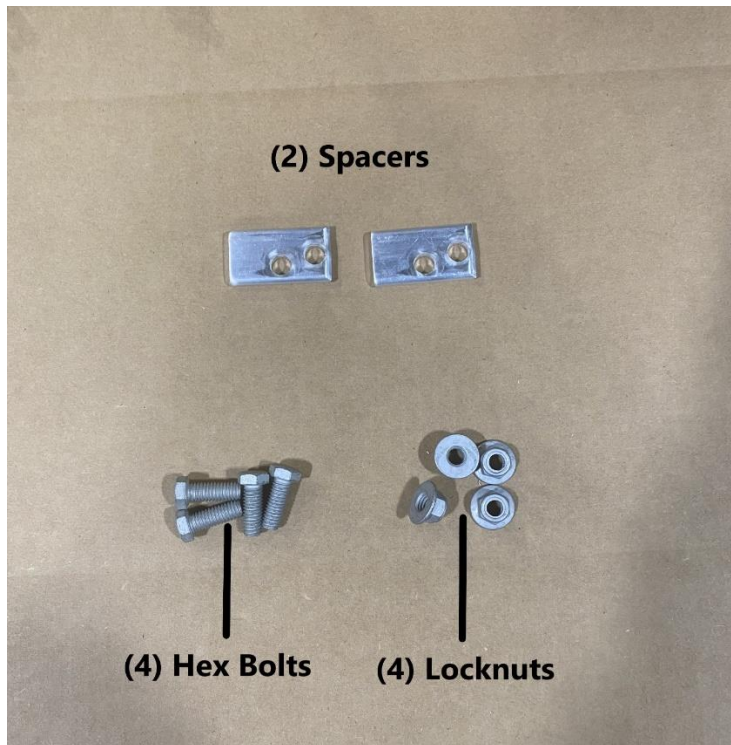
Four holes will now need to be drilled to secure the storage box. Use measuring tape to measure 1 1/2" from the edge of the storage box and 1/2" from the right side rail as shown. Mark the measurements. Repeat this process so there are two marks on the left (driver's side) and two marks on the right (passenger side).



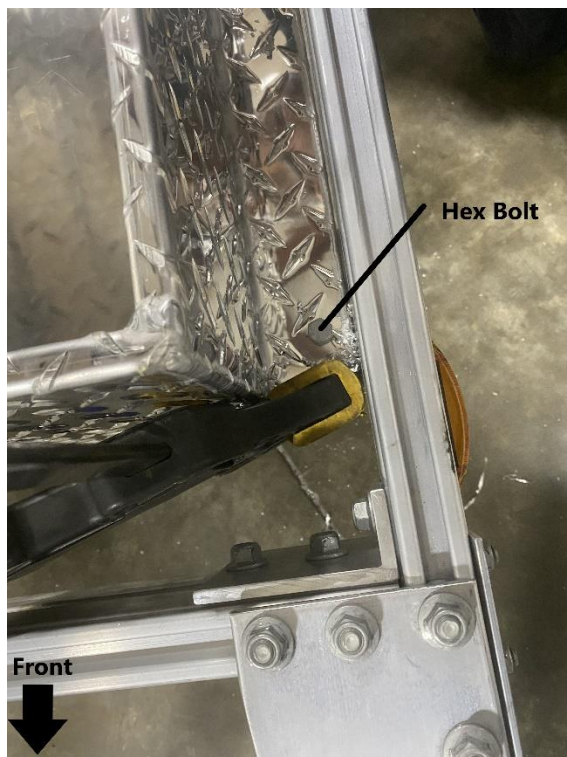
Use "C" Clamps to hold the storage box in place while drilling. Place a "C" Clamp on each side to prevent movement.



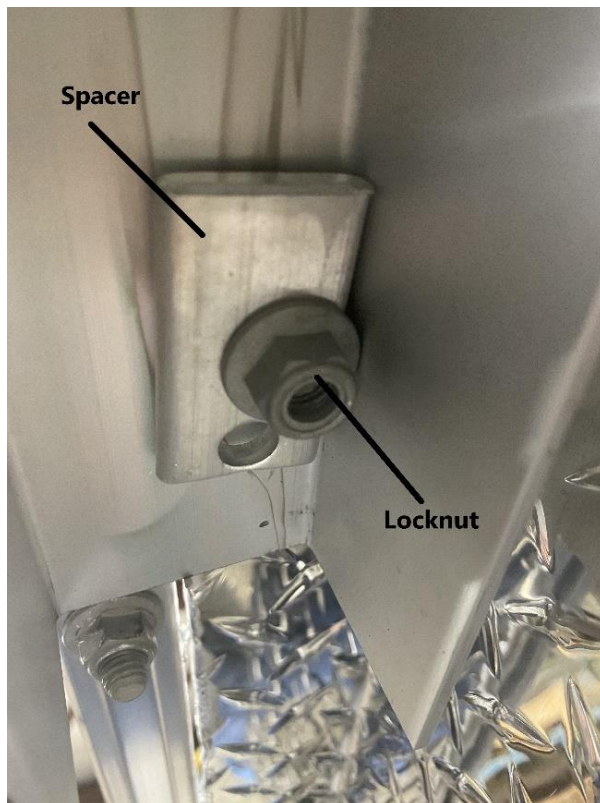
Use a 3/8" drill bit to drill four holes as shown.



Locate (2) spacers, (4) hex bolts and (4) locknuts.



Place (4) hex bolts into the (4) drilled holes.



Install the (4) spacers and (4) locknuts to the (4) hex bolts. Tighten the locknuts using a 9/16" wrench.



When complete, the storage box will look like this.