Assembly of the RR5060 3.1M Sawmill Trailer

Remove all items from box Assembling on a level surface helps with getting the trailer square and level The main trailer is made up of 2 long frame pieces, 4 short frame pieces that make the outer frame. The two side of the trailer are tied together with the cross pieces. There are 6 cross pieces: #1 looks like the others, but has 2 small holes drilled in its center #2 is one of 4 identical pieces #3 is one of the identical pieces #4 is the axle piece-this goes in the very center of the trailer #5 and #6 are the last two identical pieces and #6 makes up the rear of the trailer. Locate the 2 long pieces and 4 shorter pieces that make up the trailer frame. They are flat with an angled portion running along the length of them	

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lay them down on the floor and place the cross rails next to them in the following order:

Place the #1 cross piece at the front of the trailer

The next cross piece (#2) will be mounted as close to #1 as you can, there are a set of holes roughly 15" behind the first cross piece, that's where the #2 cross piece will mount

The #3 cross piece will mount behind #2, roughly 18" or so back from #2

#4 cross piece is the axle cross piece- as shown in the top photo on this page- this cross piece is located in the center of the trailer

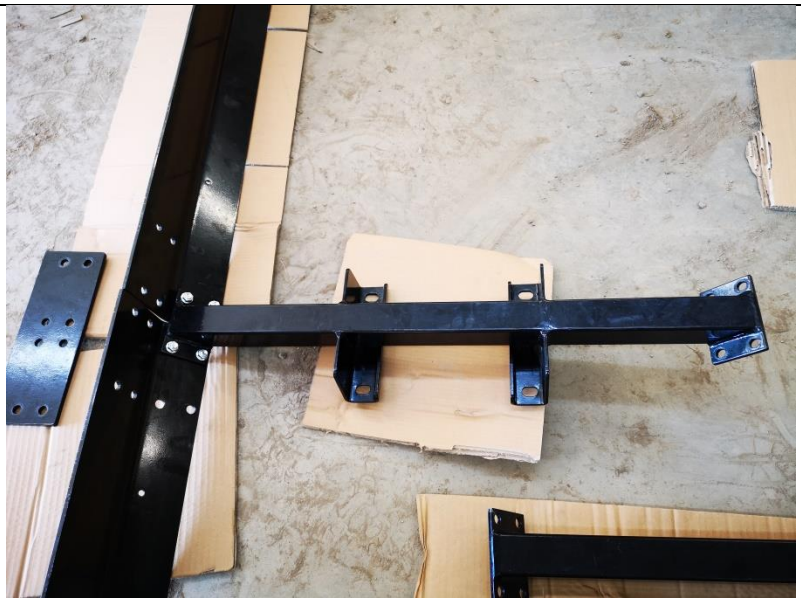
Cross piece #5 will mount about 38" back from the axle, or about the ¾ of the way down the trailer

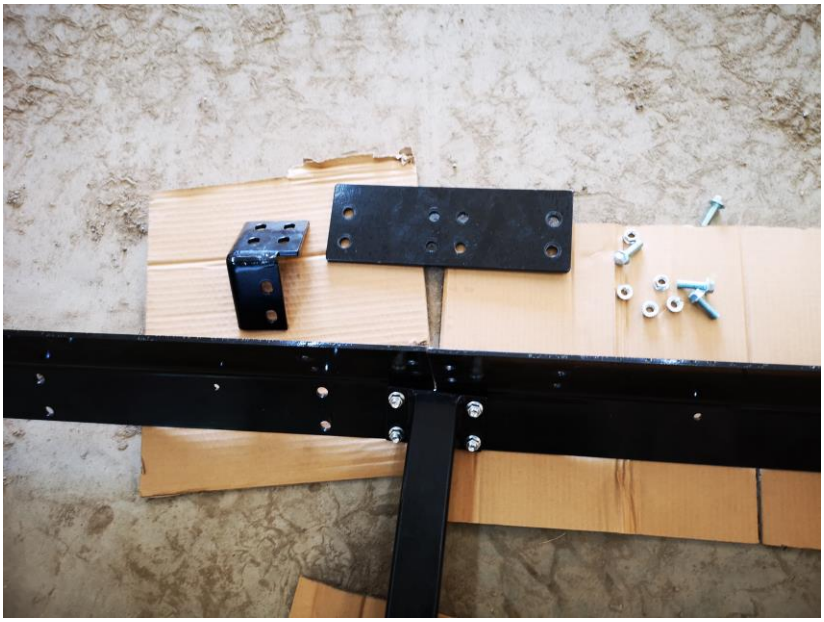
Cross piece #6 is at the rear of the trailer

Bring the three pieces of side frame together, with the long section in the center

Now located the rectangle brackets and the "L" brackets as shown in the photo to the right

One of these rectangle brackets go on the outside of the trailer at each frame joint. These brackets help hold the frame together





There are 6 large "L" brackets and 4 smaller ones in this kit

4 "L" brackets will mount at each joint/right above the cross pieces. As shown in the photo to the right

Keep them loose for now.

The "L" brackets that mount at the front and the rear of the trailer are the smaller ones, they do not need to be mounted on the trailer yet

The last 2 "L" brackets will mount in the center of the trailer (not at a joint) and they will be reversed so only two holes are facing up, as shown in the photo to the right

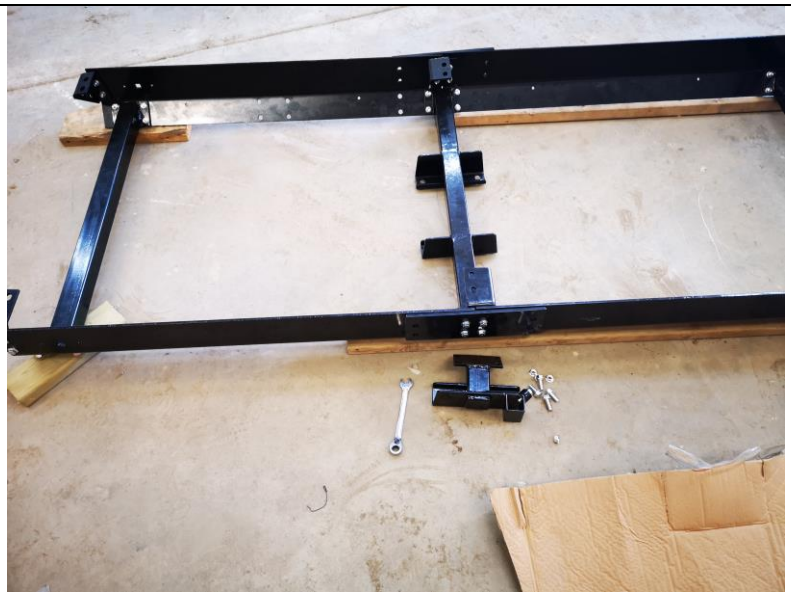
Keep all "L" brackets loose for now

The trailer with all cross pieces installed loosely All "L" brackets installed on one side loosely You can see the smaller "L" brackets are installed on the ends of this trailer	
Set the remaining side frame, support brackets and "L" brackets down to mirror the side that is already loosely assembled Loosely install all pieces	
The trailer will now look like this All parts loosely installed	

The fender mounts need to be installed next

They mount on the outside of the trailer side frame - using the same bolts that hold on the axle cross pieces
(if the axle cross piece is already installed, simply remove the bolts and place these fender brackets on the outside, and replace the bolts

The portion with the square tubing must be facing rear-ward on the trailer – otherwise the fenders will sit improperly over the wheels

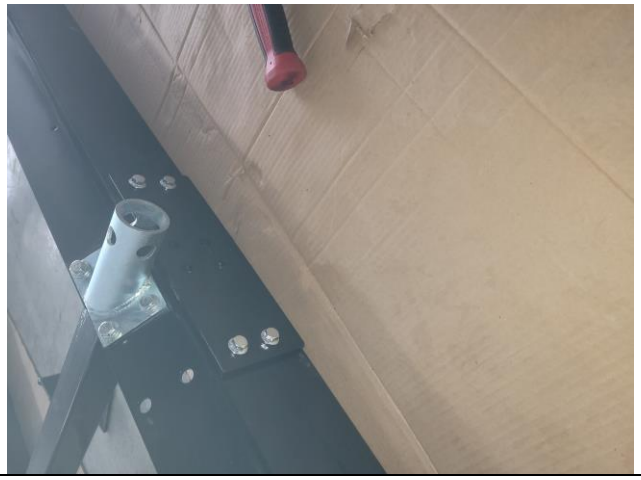


The 4 jacks will be installed near each corner of the trailer

The jacks aren't actually located at the very ends of the trailer corners but are located about 15" from the end - this can be seen on picture 2 on this page(front of trailer shown)

In other words, your jacks will be located at cross piece #3 at the front and at the rear it will be located at cross piece #5

Remove the actual jacks from the silver brackets so they are not in the way while doing the next steps



Now the trailer can be levelled cross-ways and can be measured cross-ways for length

Take care to ensure your trailer frame pieces line up nicely with one another

Tighten the outer bolts only on the big rectangle brackets to lock the trailer frame pieces together.

Tighten both sides of the trailer frame but **leave the cross rails loose**

Now take your cross measurements, this is done be measuring from one corner of the trailer to the opposite corner on the other end.

Do this on both sides.

Compare the measurements, you are looking for the two lengths to be within about ½" of one another

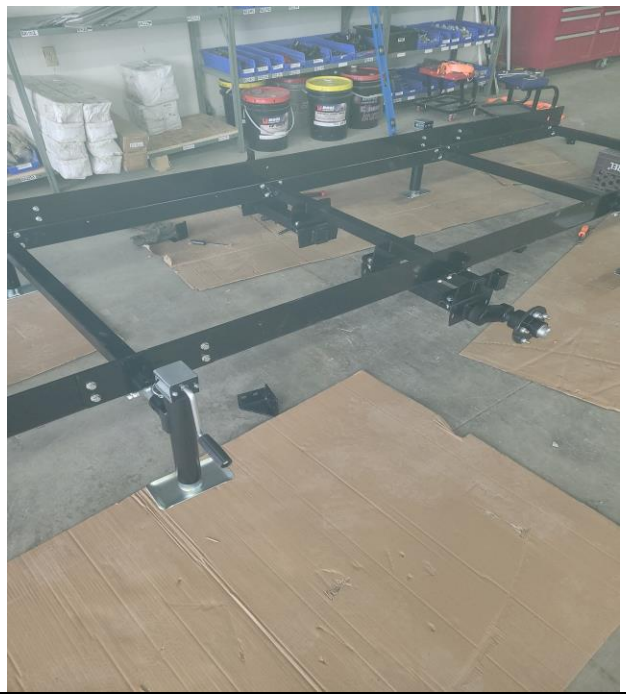
Once the cross measurements are within spec, the cross rails can be tightened on both sides, this will lock in the cross rail measurement and ensure your trailer stays even and level

Install the jacks into the brackets on the trailer and raise the trailer off the ground with all the jacks set to equal height.

The axles will now be installed

When installed correctly, the hub will be back towards the rear of the trailer as shown in the picture to the right.

When tightening the axles onto the trailer, push the axles to the rear (so the bolts are at the rear most section of the slotted holes) and then tighten, this will ensure the axles are straight in relationship to the trailer and to the other axle.



Next up the wheels can be installed and torqued to 80 ft/lbs	
Now the fenders can be assembled. Install the fender cover onto the "U" shaped fender brackets Fender bracket shown in photo without fender cover	

There is also a pin that locks the fender to the axle bracket, it inserts underneath the fender Photo showing the pin installed	
Now, the rear endplate can be installed. It bolts to the small "L" brackets that are located at the rear of the trailer	

Now the draw bar can be installed on to trailer	
The draw bar is mounted to the front cross rail(#1) via 2 long bolts and a long flat bracket with a hold at either end(2nd picture) The rear of the draw bar is attached to cross rail #2 via 2 long bolts and a short flat bracket with a hole at either end (1st picture) Take care to ensure the draw bar is mounted straight and is not leaning to one side or the other Tighten bolts to lock in draw bar	 

Now the wiring harness can be installed.

Start at the right front side of the trailer and work your way to the rear, using the supplied wire clamps and 10mm fasteners

The rear panel will have the 2 large brake lights mounted on it.

Then, bring the wiring hharness back up the right side until it comes back to the front of the trailer

Tie up excess wire with supplied zip ties

Now, check over all bolts and tighten EXCEPT the "L" brackets.

The "L" brackets will remain loose for mounting the sawmill rails and leveling.

Check wiring with a vehicle equipped with a 4-pin harness and ensure all lights are working correctly.