

RR5062 5.1M Sawmill Trailer
Assembly of the RR5062 5.1M Sawmill Trailer

Your trailer will come in two separate boxes

This manual outlines a trailer that fits a 29" mill, but the steps are the same for all 5.1M trailers

Open up both boxes, unwrap all items and lay out for easy identification



RR5062 5.1M Sawmill Trailer

The first photo shows all the pieces that were in the Cross-bar kit

These pieces consist of:

- 6-cross pieces
- 1-axle cross piece
- 1-cross piece with 2 holes for draw bar
- 1-Rear end plate for trailer
- 1-Lock bar with 4 bolts, washers and nuts



The second photo shows the contents of the larger box

This box will contain the wheels, axles, frame pieces, fenders, jacks, brackets and light wiring kit



The third photo shows the hardware pieces that were included with the larger box

One bag has m10x30 bolts (slightly longer)

One bag has m10x25 bolts (slightly Shorter)

A large bag of nuts

A bag of wiring harness brackets

A small bag of Zip-ties for securing wiring harness-as well as hardware for mounting the lights onto the trailer

A bag of large diameter bolts for mounting the axles

A bag of long bolts and two small black pieces for mounting the draw bar



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First step of assembly

Take a short piece of frame as shown in picture

The left end of this frame piece will end up being the front of the trailer



There must be a small square hole on the left end of the frame piece for mounting a marker light later



After laying the short frame piece on the ground, grab a long piece of frame and lay it next to the shorter piece

We will be joining these together in the next step



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The two frame pieces are butted up to one another

You will need a flat bracket and an L-bracket

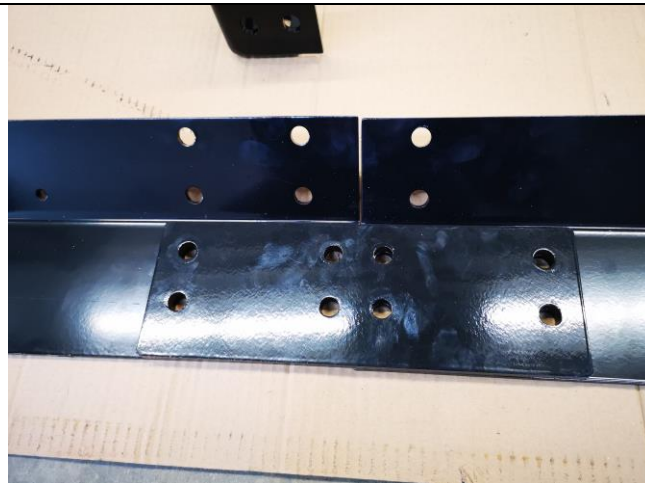
For hardware you will need:

4 M10x30 bolts for the center of the plate

4 M10x25 bolts for the outside holes



The flat bracket sits on top of the frame pieces as shown in the photo



Now, the L-bracket sits on top of the flat bracket as shown in the photo

The L bracket must be installed with the four holes sitting against the flat bracket



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The four M10x30 bolts will be used to mount the brackets to the frame piece-as shown in the photo

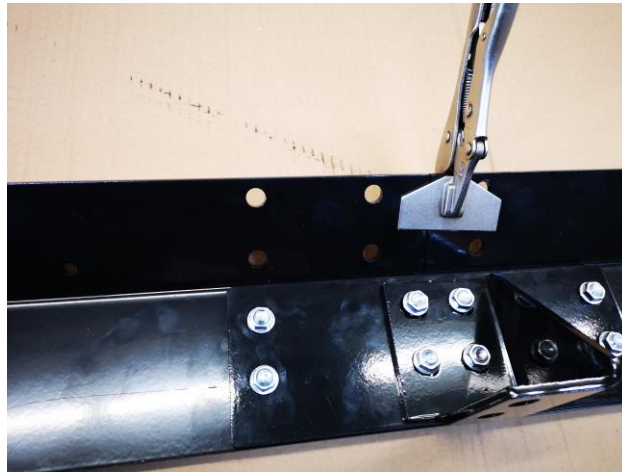
The four M10x25 bolts will be installed on the outside of the flat plate



Once all the bolts are installed loosely, Use a tool to line up the ends

Once the ends are lined up, tighten the outside four bolts

Do not tighten the inner four bolts at this time



The first connection has now been made

Take another long frame piece and set it up against the existing frame

We will be joining these pieces together in the exact same way as the first connection



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This photo shows the two connections that have been made up to this point

Again, make sure to tighten the outside four bolts on this connection and to leave the inside four bolts loose

After this 2nd connection has been made, grab another short frame piece and install it onto the existing frame in the same manner

Make sure the small frame piece ends up having the square hole at the back end



3 connections have been made in this photo-securing the four frame pieces that make up this side of the trailer



A photo showing the end piece with the square hole



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The one side of the trailer frame is now assembled

Repeat the process for the other side

Setting it up as shown in the photo helps as the other side is just a mirror image of the first side we completed



This photo shows both sides of the trailer being complete

Again, make sure your small frame pieces have the square holes on the ends



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The easiest way to complete the next steps is to flip the frame pieces over and swap them side to side

Should look like this after



You will be joining the frame pieces together in the next steps

Grab the cross piece with the two holes drilled in the center

Take eight M10x25 bolts and eight nuts

Head to the front of the trailer, that's where this cross piece will be installed



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Install the cross piece to the frame with eight M10x25 bolts

Leave loose for now



You will take a regular cross piece next

Eight M10x30 bolts and nuts

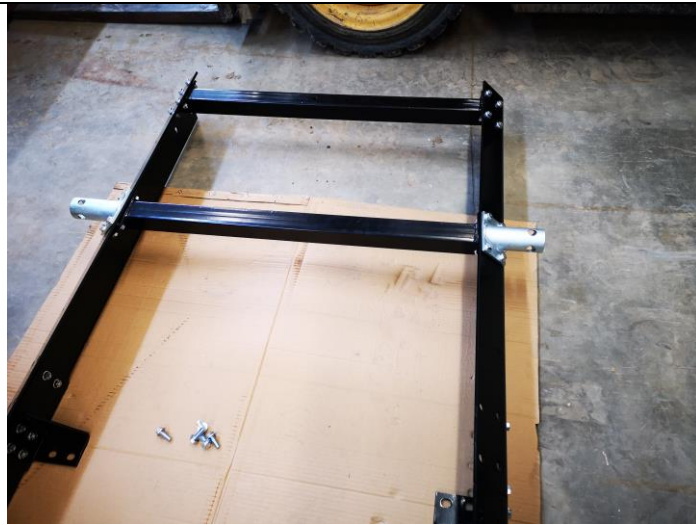


You will also need 2 jack brackets



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Install the 2nd cross piece with the Jack brackets on the outside



Here is a closer look



Find another regular cross piece

Grab 8 M10x25 bolts and nuts

Install the 3rd cross piece



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Grab another cross piece and eight more M10x25 bolts and nuts

Install into the 4th position as shown in the photo



Grab a 5th cross piece, 2 jack brackets and 8 M10x30 bolts and nuts

Install into the 5th position

The 5th position will also be the middle point of the trailer



The next (6th) cross piece will be the axle-cross piece



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You will also need the fender mounting brackets (2)

Eight M10x30 bolts and nuts will be used to mount the axle cross piece and the fender brackets together



This photo shows the axle cross piece and the fender brackets installed

Take special care to ensure the square holes on the fender mounting brackets are facing towards the rear of the trailer as shown in the photo



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You will need to grab another cross piece and eight M10x25 bolts and nuts

Mount in the 7th position as shown in the photo



Next you will need the last two jack brackets as well as eight M10x25 bolts and nuts

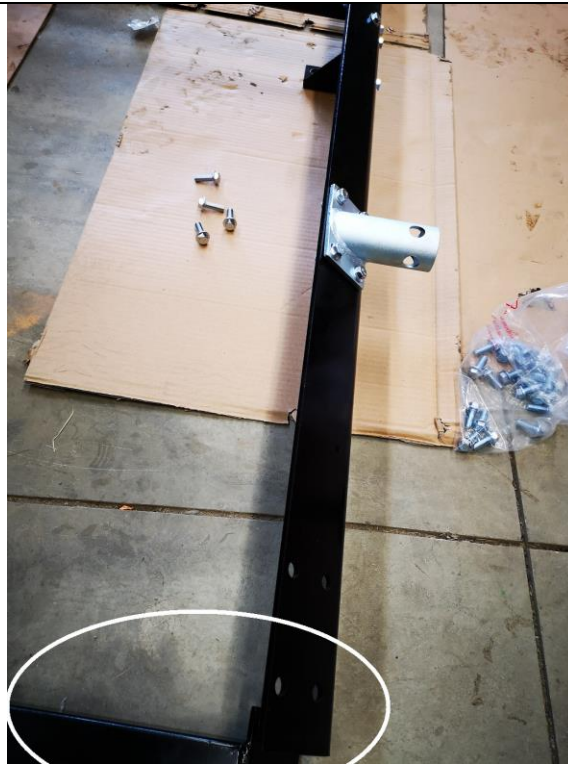
Mount on the frame rail as shown in the photo

No cross piece will be mounted here



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The last cross piece will be mounted at the end of the trailer as circled in the photo, using eight M10x25 bolts and nuts

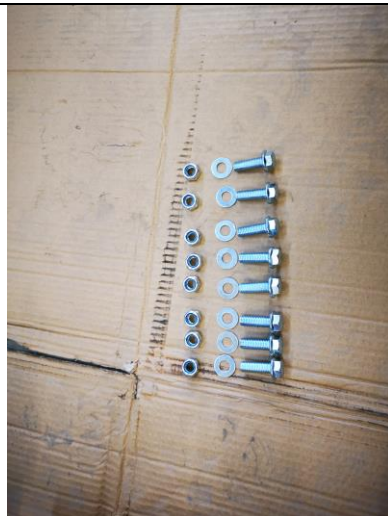


The next pieces to be installed are the axles



You will need the large diameter bolts out of one of the smaller hardware bags

The bolts, washers and ny-lock nuts are all that is required for this install- the kit does provide extra washers, but they aren't necessary



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The axles sit on the axle cross pieces and on the fender brackets

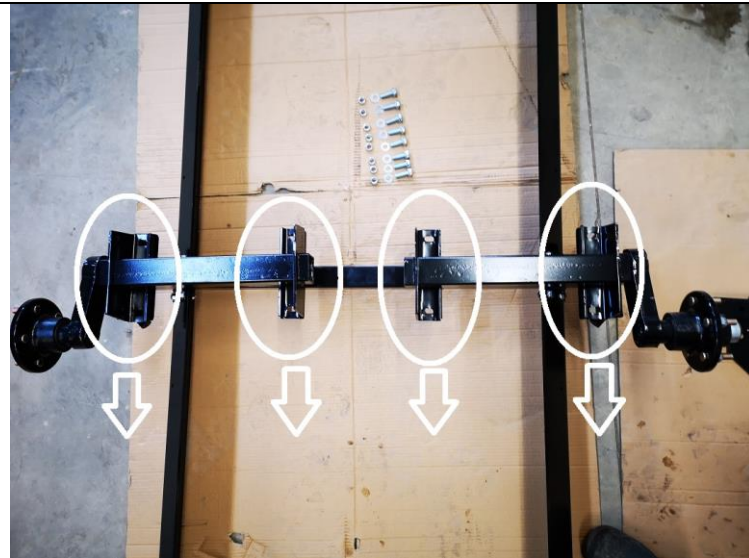
Take care to ensure the hubs are facing toward the rear of the trailer

Installed the axles loosely with the hardware

Before tightening-make sure the axles are "pushed" towards the rear-in the direction the arrows show

The mounting holes are slotted and we want the axles to be in the rear most position

What this does is it ensures your axles are mounted evenly and straight



Next you will be installing the wheels and tires

Make sure to install with the valve stems facing out

Snug down wheel nuts for now- you will torque them once the trailer is flipped over



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Flip the trailer over on its wheels

Then, grab all 6 jacks and head over to the trailer



Here is the trailer with the front jacks down and the other four jacks in the travel position



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Next, you will be assembling the fenders and then mounting them to the trailer

The two fender pieces are bolts together using four M10x25 bolts and nuts



Showing the fender installed into the fender bracket

You can see the bolt for securing the fender to the bracket is circled in white



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Now the fenders are installed, you will be installing the remainder of the L brackets

Grab four of the smaller L brackets

You will also need eight M10x25 bolts and nuts

These brackets will be using up the last of the M10x25 bolts



These L brackets install at the front and rear of the trailer as shown in the photo

Just leave these L brackets loose for now



Next you will be installing the remainder of the large L brackets

All of these brackets will be installed with the M10x30 bolts and nuts



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The first two large L brackets will be installed in the circled positions in the photo

You will notice these brackets, when installed, have four holes facing up

The brackets are made that way because these are the spots where the Sawmill tracks connect

These L brackets will also be left loose for now



The last two L brackets will be installed over the axles

Use four M10x30 bolts and nuts

Again, leave these brackets loose for now



Next, you will be installing the rear end plate onto the trailer

Four M10x30 bolts and nuts will be used here



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<p>This is what the end plate looks like after installation</p> <p>Go ahead and tighten these bolts up</p>	
<p>The next piece we will be installing is the draw bar at the front of the trailer</p> <p>You will need the draw bar, the two small black brackets and the small bag of hardware</p>	
<p>This is what the draw bar look like after installation</p> <p>The following photos will show how the brackets are used in conjunction with the bolts to hold the draw bar to the cross pieces</p>	

RR5062 5.1M Sawmill Trailer

The smaller black bracket will be used at the rear of the draw bar

Lay the black bracket on top of the cross piece

Put the bolts through the bracket and through the rear of the draw bar through the pre drilled holes

Secure with washers and nuts underneath



The front cross piece is secured to the draw bar using the longer black bracket

This mounts in the opposite manner as the first bracket

The bracket sits underneath the draw bar

Tighten all four bolts to secure draw bar



The Coupler is mounted to the draw bar via the long bolts(4) that were in the bag the large diameter axle bolts

Place the top-rear bolt through the safety chain and tighten all four bolts



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You will open up the cardboard box containing the wire harness next

Lay the harness out on the floor and remove the two orange lights, the two smaller red lights and the two larger red lights from the wire harness via the electrical connectors



The electrical connector lock nut (as shown in the photo) is too large to fit through the pre stamped square holes

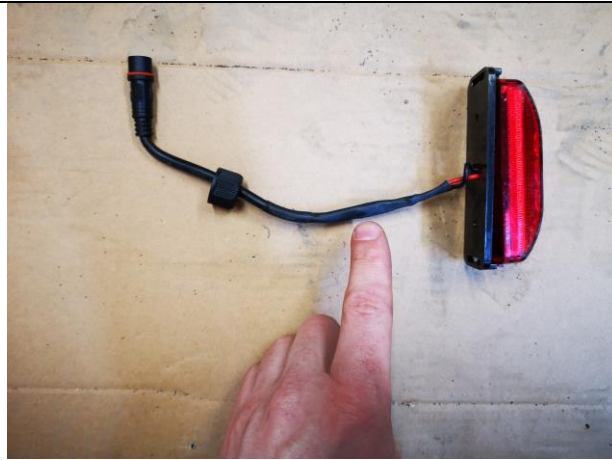
You must separate the wires, feed through the square hole and then re-attach wires

The procedure to do this will be outlined below



A red light is pictured here, but the procedure is the same for all four of the smaller lights

Remove the heat shrink wrap as pointed out in the photo



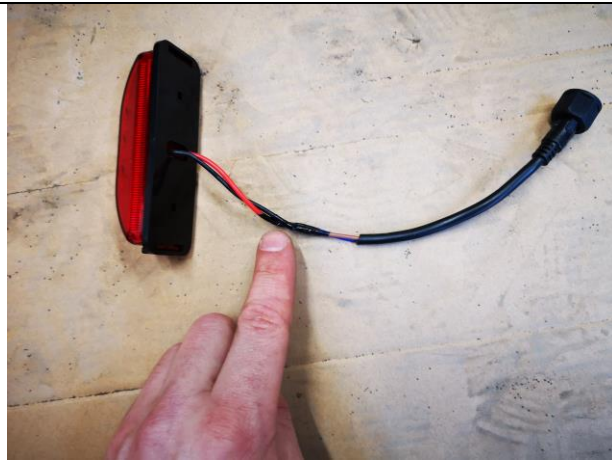
RR5062 5.1M Sawmill Trailer

Once the heat shrink wrap is removed, you will see the wires

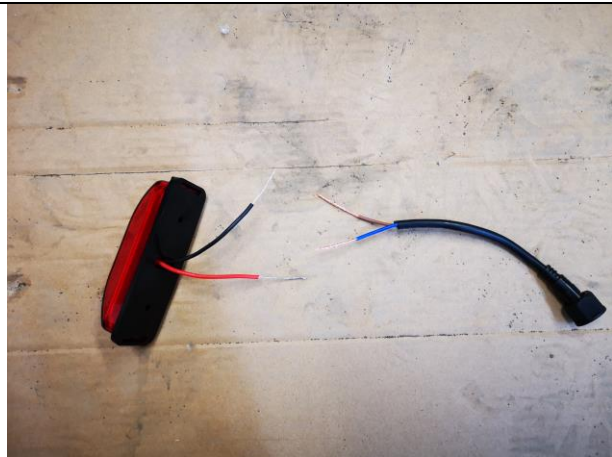
Take note of what colours match up with one another

This trailer has **RED** matched up with **BLUE**

And has **BROWN** matched up with **BLACK**

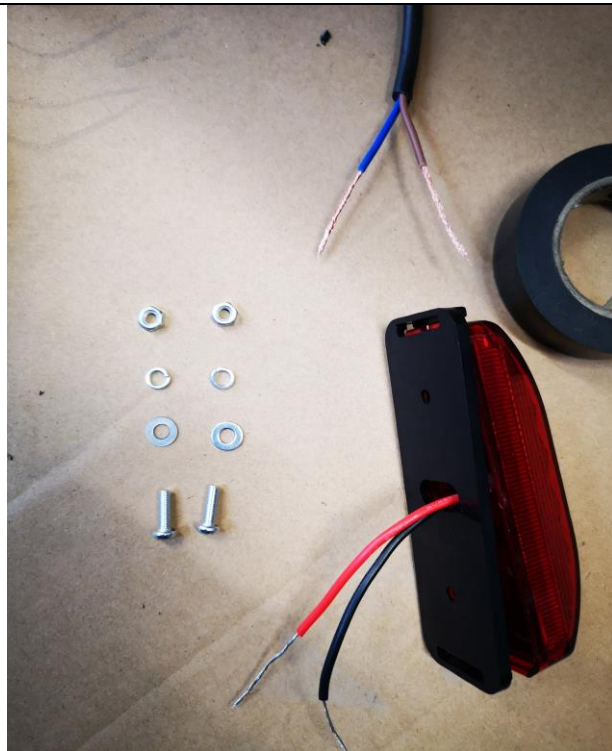


Remove the black tape as shown in the photo above and separate the wires as shown in this photo



Now that the wires are separated, you will need to prep for light installation

You will need electrical tape, two bolts, washers, lock washers, and nuts from the small hardware bag



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The light bracket mounts to the trailer frame using the small hardware mention earlier

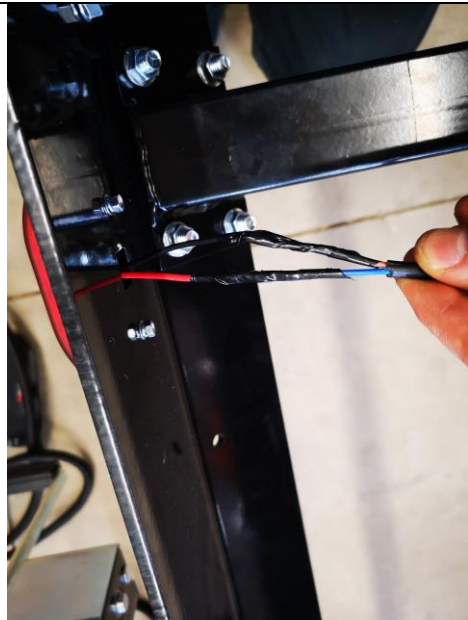


The wires get fed through the hole in the bracket and then the light snaps into place onto the bracket



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The method used in this manual for re-attaching the wires is to: twist the wires together, cover individually with electrical tape



After the wires are wrapped individually, then wrap wires together

Repeat this process for all four of the smaller lights

The orange lights mount at the front

The smaller red lights mount at the rear

The large red lights mount on the rear plate and these light do not require any re-wiring



Photo of the small red lights mounted on the side of the rear of the trailer with electrical connector hanging down, ready for wire harness install



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Photo of the rear, large red lights installed with the electrical connectors hanging down ready for wire harness install



Grab the wire harness assembly
Find the 4-pin plug and work back until you find the first electrical connector
Plus that connector into the right front orange marker light



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After connecting the wire harness to the R/F light, Work your way to the back of the trailer with the harness

You will come up to two more electric connectors by the time you make it back to the R/R light

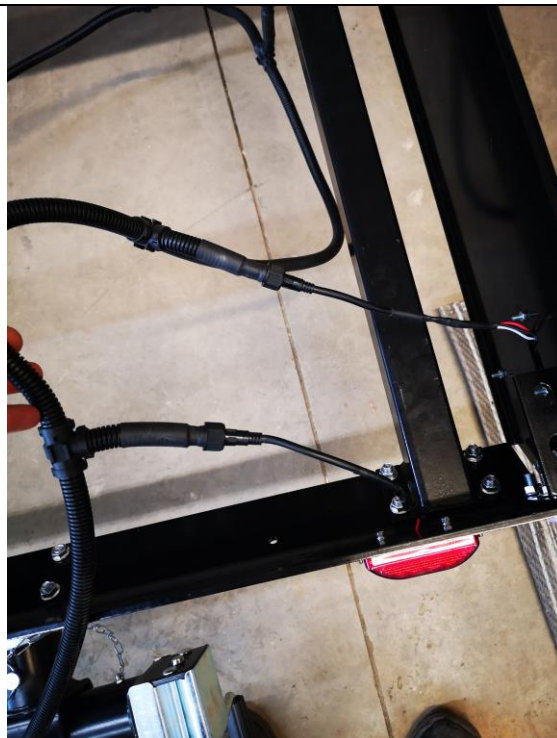


Photo of the connectors securely attached to the lights



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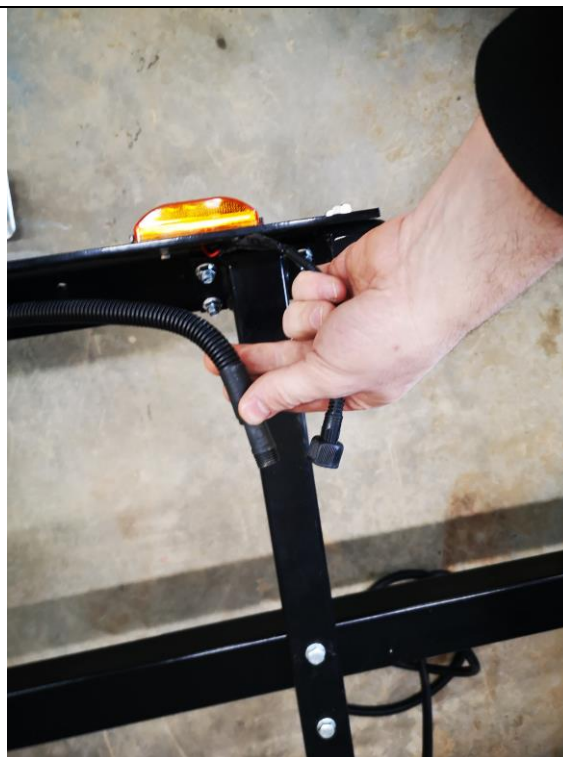
Working your way to the other side of the rear, attached the connectors in order



Work your way back up to the front of the trailer- this time on the Left Front

The end of the wire harness will line up with the orange marker light at the front

Attach the connector



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Your trailer will look like this now, fully wired with a loose harness



Now you will need the wiring harness brackets, hardware and zip-ties to secure the wiring harness



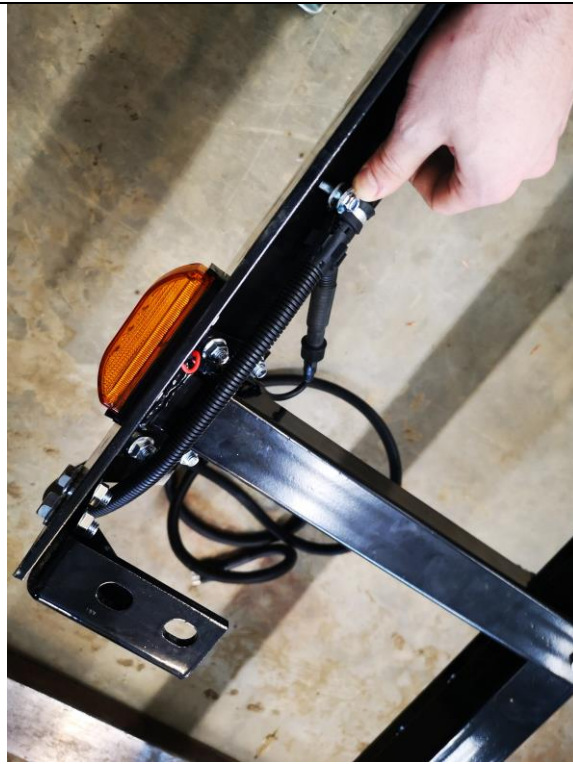
RR5062 5.1M Sawmill Trailer

Starting at the Right Front position on the trailer

Wrap one of the brackets around the wire harness just behind the orange marker light

You will see a small hole in the frame that allows for the mounting of the wiring harness bracket with the supplied hardware

Do not tighten bracket at this time



Work your way down the side of the trailer

You will use six harness brackets on each side

Remember to leave all the harness brackets loose for now



A photo showing a harness bracket near the rear of the trailer



RR5062 5.1M Sawmill Trailer

<p>Work your way back to the front of the Left side of the trailer</p> <p>Again, six harness brackets are used on each side of the trailer</p> <p>All the brackets should still be loose</p>	
<p>A photo of the wiring slack at the rear of the trailer</p> <p>Now you can work on taking out the slack in the wiring harness</p> <p>This will be done by pulling most of the slack to the rear of the trailer</p> <p>The harness should be relatively "slack free" until the rear of the trailer</p> <p>You will be securing the extra harness using zip-ties</p>	

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A photo of the slack secured by zip-ties



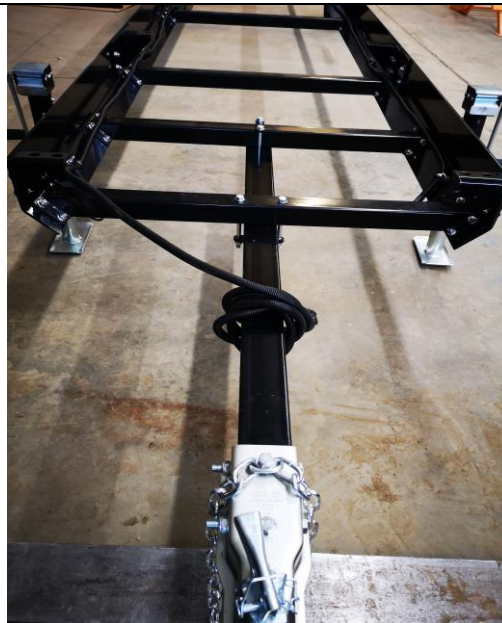
You can now tighten all the wire harness brackets to hold the wire harness snugly in place



Move on up to the front of the trailer and simply wrap the 4-pin connector around the draw bar so it does not drag on the ground and is out of the way until needed

Assembly of the trailer is now complete

All of the L brackets should still be loose—they will be used to mount the track
Some adjustment will need to be made to those L brackets to achieve a level track



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You will have this bar and four bolts left over

This is a Sawmill lock bar and is used to lock the Sawmill assembly to the track for transport



A photo of the left over hardware

The M10x30 bolts and nuts left over will be for mounting the track to the trailer

The hardware in the bag to the right and the loose pieces below the bags are all extra and will not need to be used



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A Photo of the finished product without a Sawmill mounted on top

