



ComPro 650 Owner's Manual





Undo bolts of top frame of crate. Lift top of metal crate off.



Remove, lay out, and unwrap components.

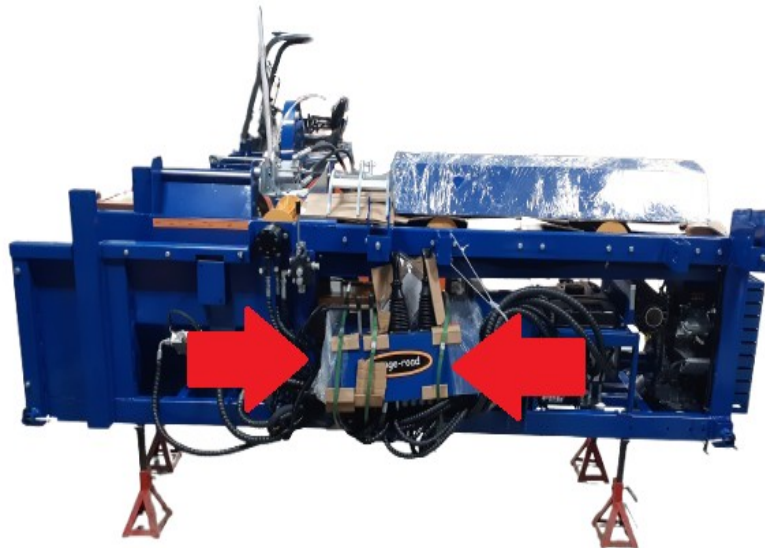




Lift unit off of the crate, if using straps be careful not to bend or stress any components. Place the machine on jacks.



Cut the straps holding the panel and remove the panel from the machine.





Install the supplied stands. Remove the jacks.



There are loose ends of hydraulic hoses. It is advisable to place cardboard or similar underneath.

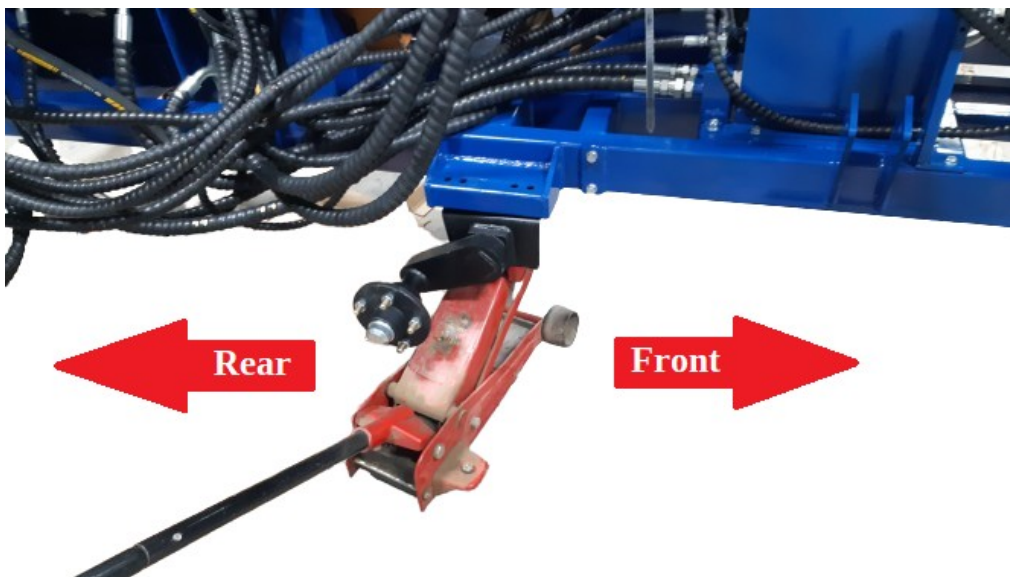




A hydraulic cylinder is placed in the frame near the hydraulic pump. Pull it out and place it in front of the machine.



Remove all the bolts from the axles.
Use a jack to lift the first axle under the frame of the machine. Install all bolts and tighten them.





Do the same on the other side.



Install the wheels. Torque to 80 fb/lbs. Check the tire pressure according to the manufacturer's value on the tire.

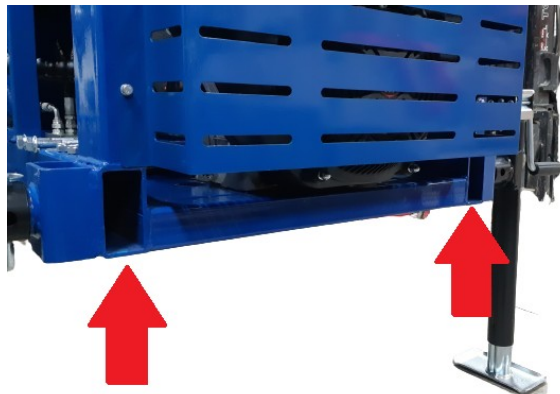




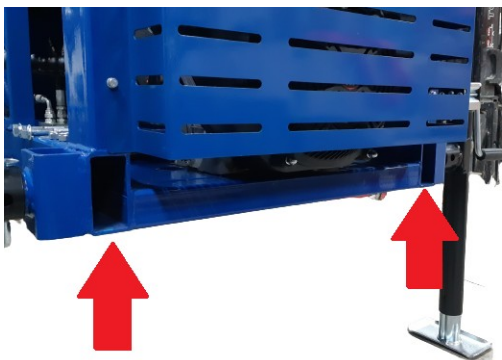
Move the toolbox to the position shown in the picture. The bolts are in the toolbox. Install them and tighten them.



The next step is to attach the tow bar. To do this, these two adapters must first be inserted into the frame and the bolts installed. Leave the bolts loose.

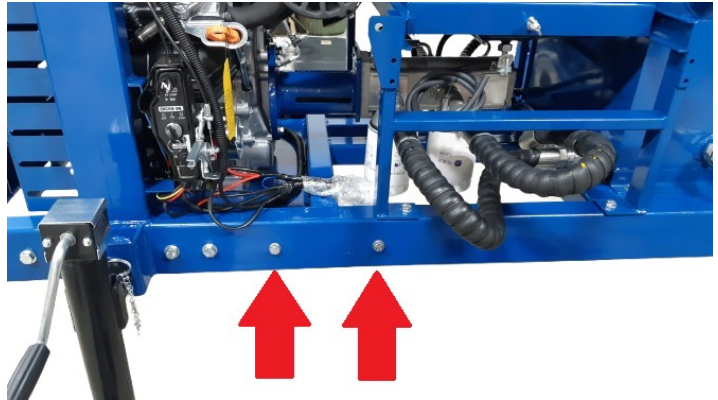


Install the tow bar and tighten all bolts.

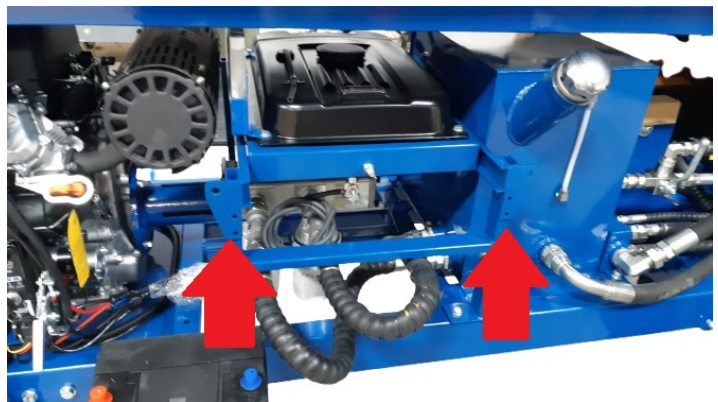




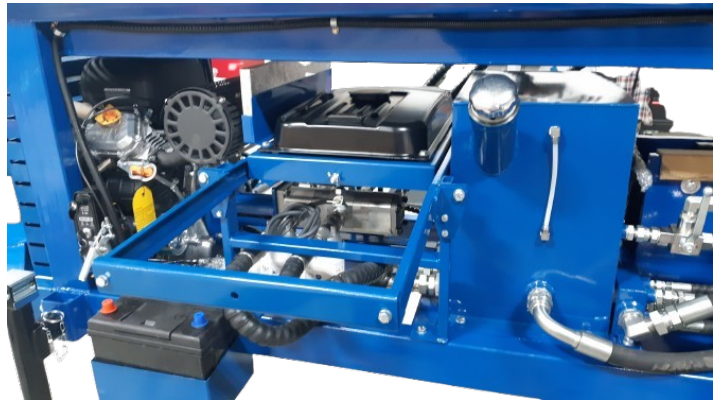
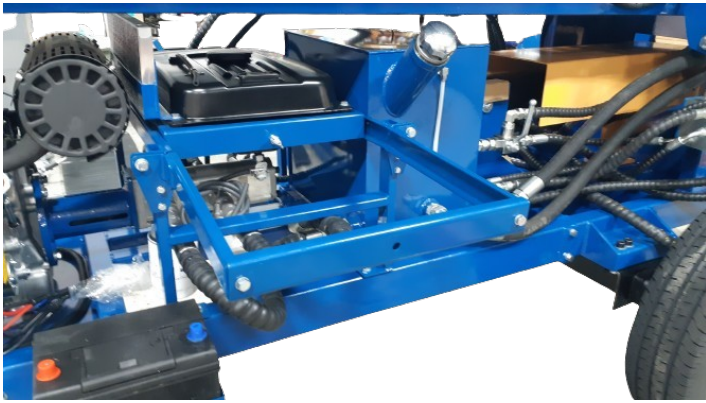
The next step is to install the battery box. The bolts for this are in the frame.



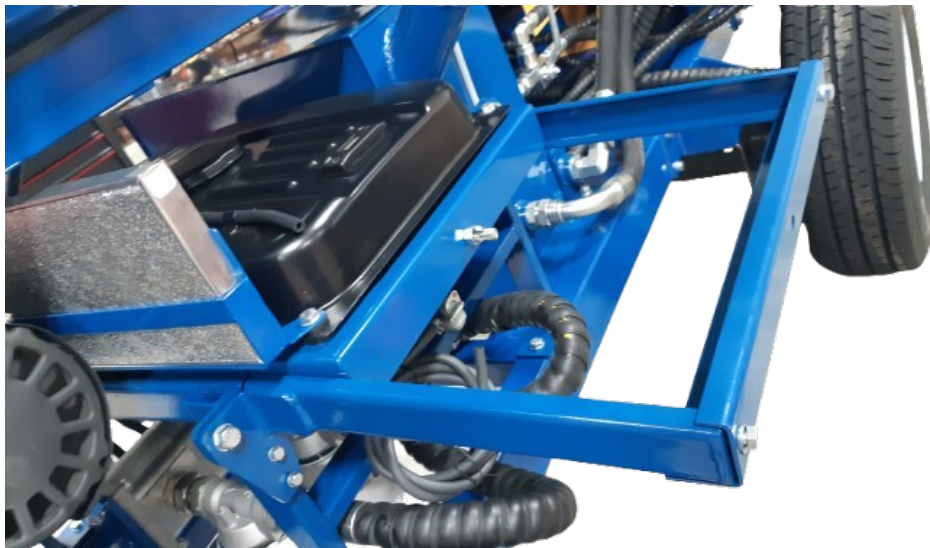
These parts make up the fuel tank slide. Install as shown in the pictures. The arrows show where the parts are installed on the frame. Leave all bolts loose for now.



range-road



Now remove the wing nut on the other side of the tank. Pull the tank slightly out onto the rails. This aligns the rails. Now tighten all bolts. If the tank does not slide easily, readjust the rails. Push back the tank and reinstall the wing nut on the other side of the tank.



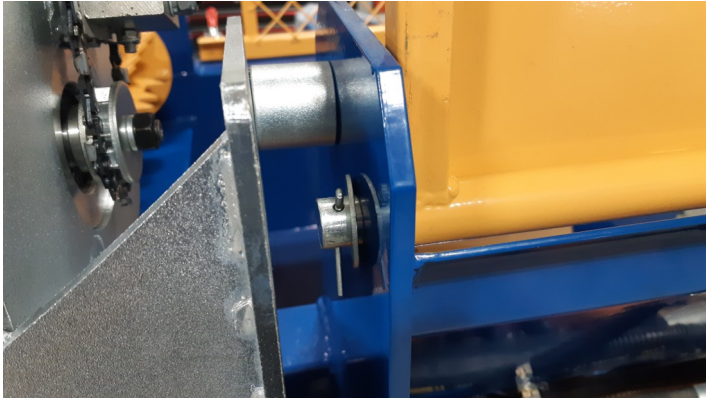


Remove the bar next to the chainsaw as shown.



The cage is installed at this point. Lift it to this position and push the bar back into place. Install the safety clip.



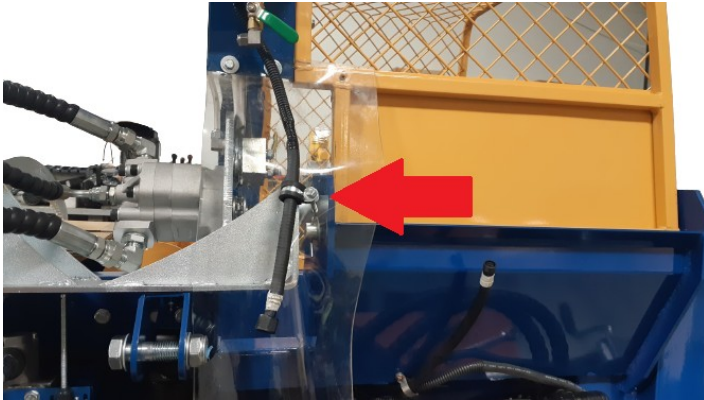


Remove all bolts on the cage. Lift the saw cover onto the machine and install all bolts.

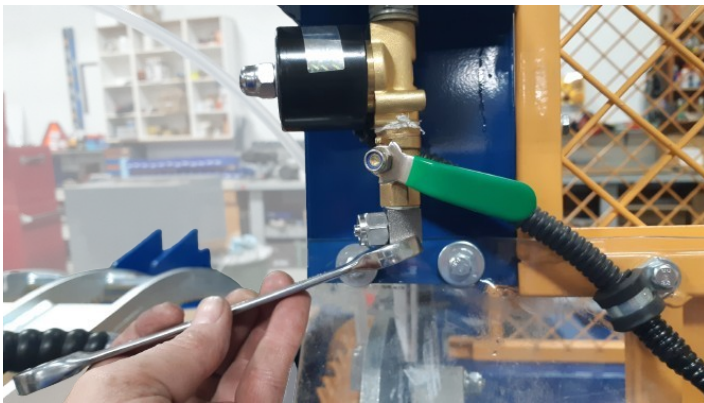




Remove this bolt and install as shown.

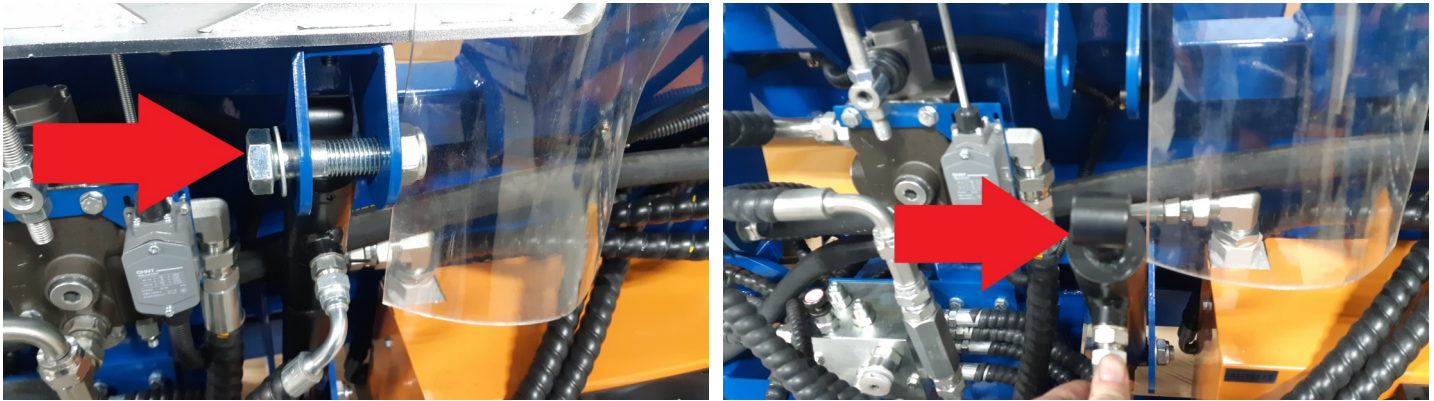


Tighten the valve for the saw oil. Then install the hose.





Remove the bolt for the saw cylinder on the swivel plate. Pull out the upper part of the cylinder.

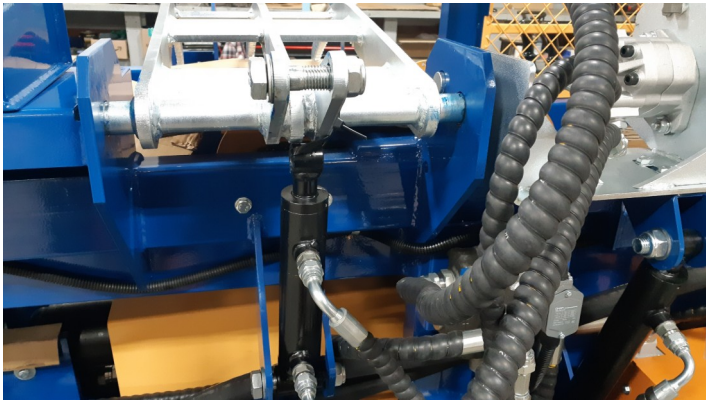


Insert the cylinder into the bracket and install the bolt.





Do the same with the cylinder of the clamping device.



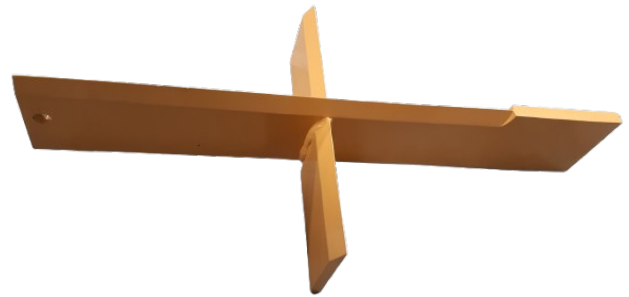
Next, install the tower. Place the tower onto the machine and install the clamps.





Install the wedge. It helps to place a jack under the frame. This makes it easier to fit the cylinder later.

The cutting edges of the wedge must point inwards towards the ram.





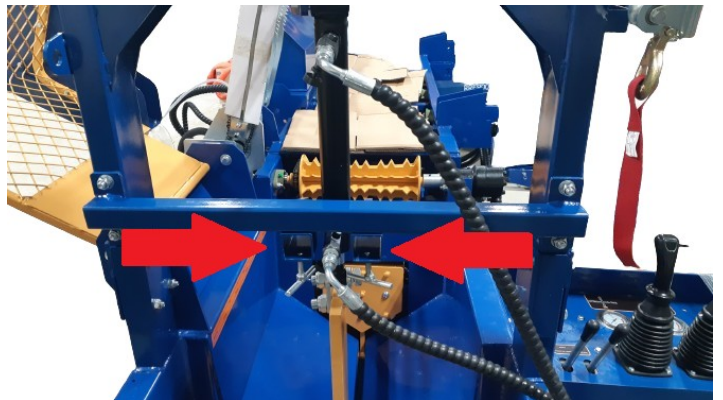
Next, the cylinder for the wedge. This is already connected to the hoses and lies on the floor by the panel. Take out the top bolt.



Install at the top to the frame and then at the bottom to the wedge.



Install the Log Stop. Log Stop openings downwards.



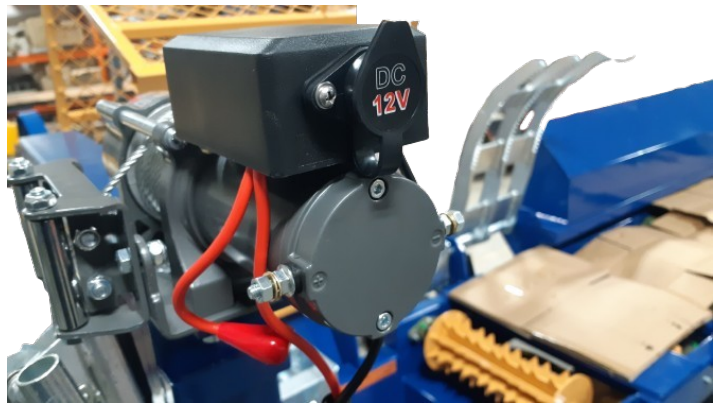
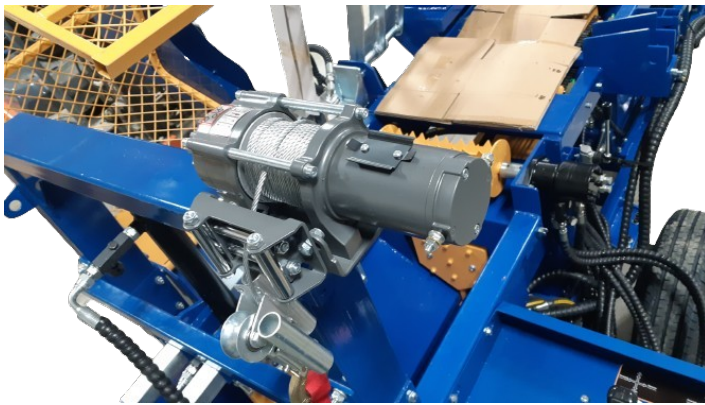


Install the handle.





The winch box with the remote control is now installed. The cable with the parts lies under the panel on the floor.

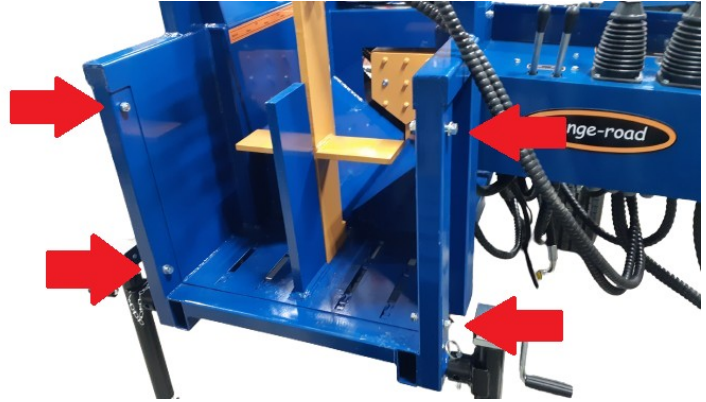
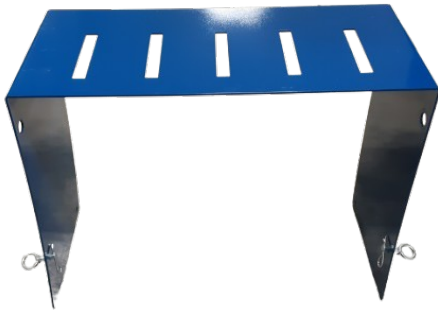


Connect the cables to the winch motor. Red to plus and black to minus.



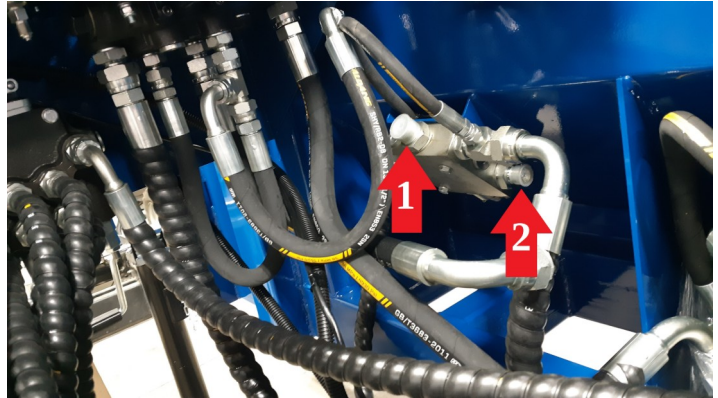
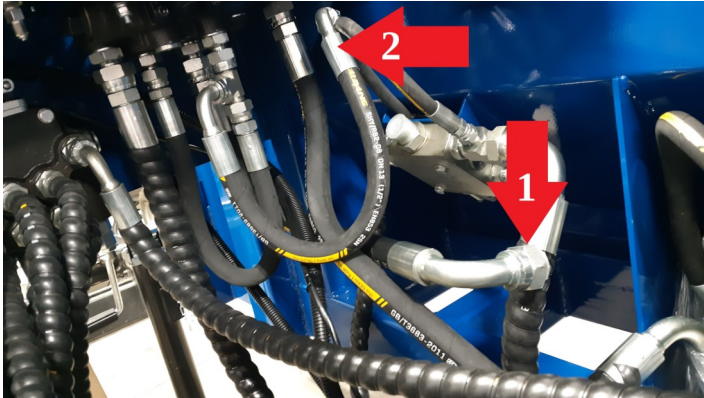


Install the Conveyor extension. Remove these 4 bolts first. Install bolt heads facing in towards the wedge.

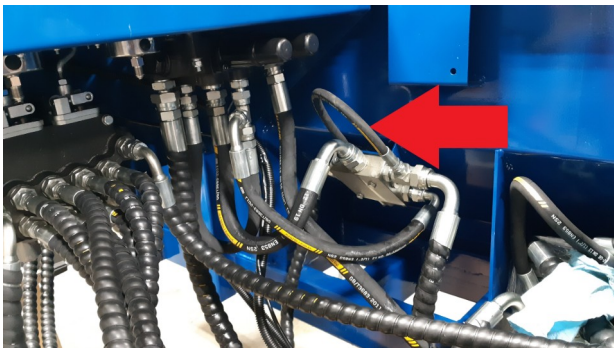




There are several hydraulic hoses under the panel, one end of which is not connected. Find them. The first two marked with numbers 1 and 2 in the pictures must be connected to the hydraulic regeneration valve ports with numbers 1 and 2.



There is a smaller hose connected to the regeneration valve which is not yet connected at the other end. This must be connected to one of the two hydraulic pressure gauge. There is a very small seal in this hose connection. Check that this seal is present.

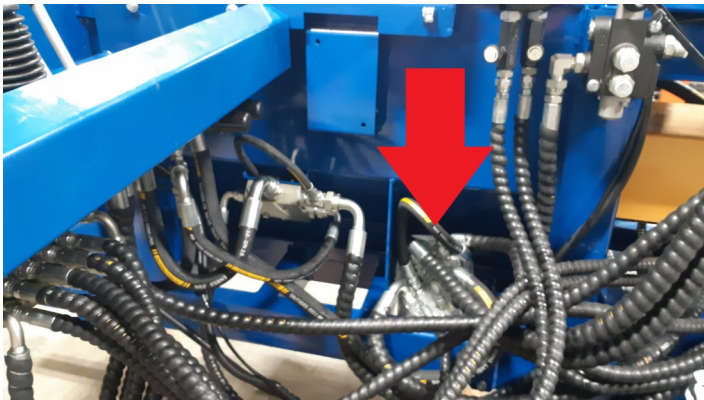


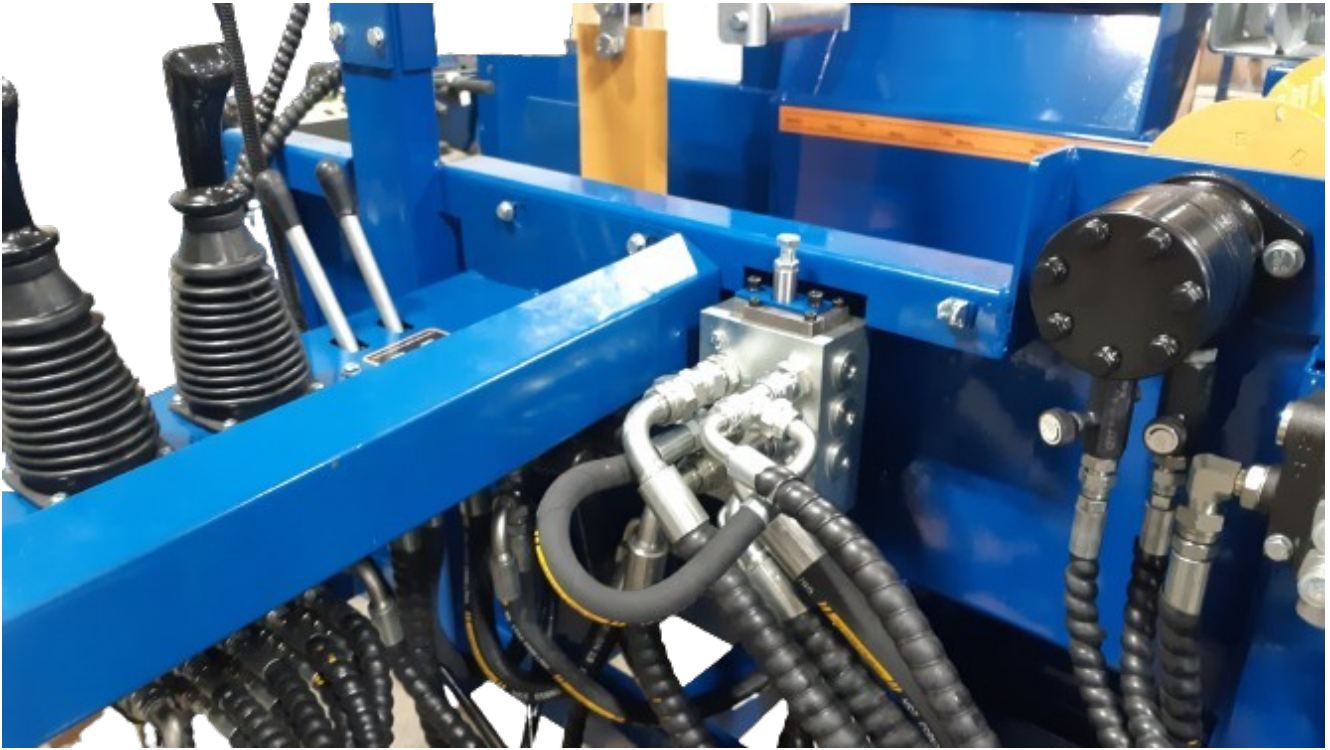


A second hose of this size is also among all the hoses where one end is not connected. It comes from the block in front of the hydraulic pump. Find it and connect it to the other pressure gauge. Check for the seal.

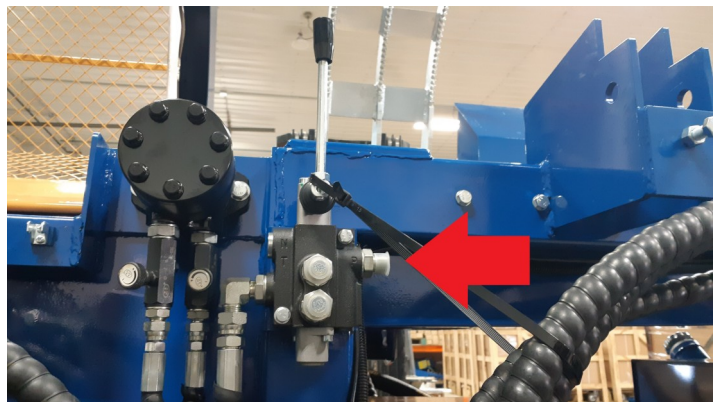
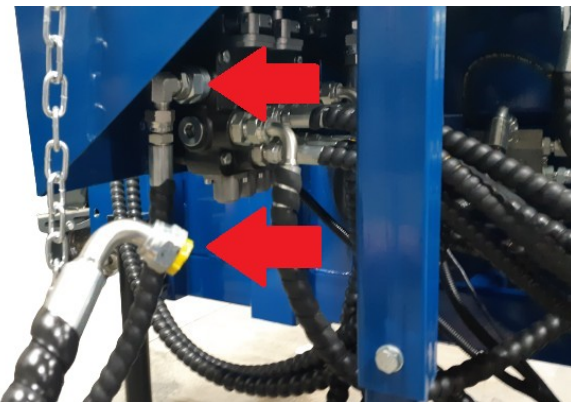


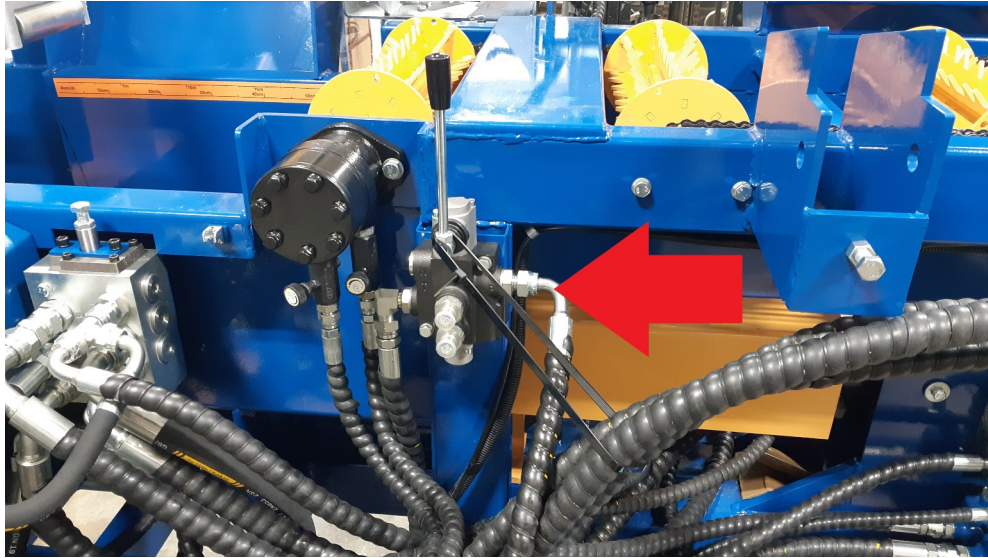
A valve is located under the cage area in the frame. Pull it out and install it underneath the safety cage.





A further hose is connected under the Panel on one side only. The picture shows which hose this is. This hose will be connected to the valve for the log table.





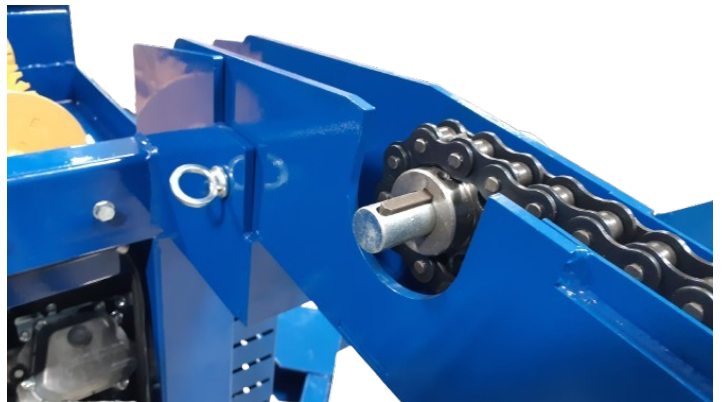
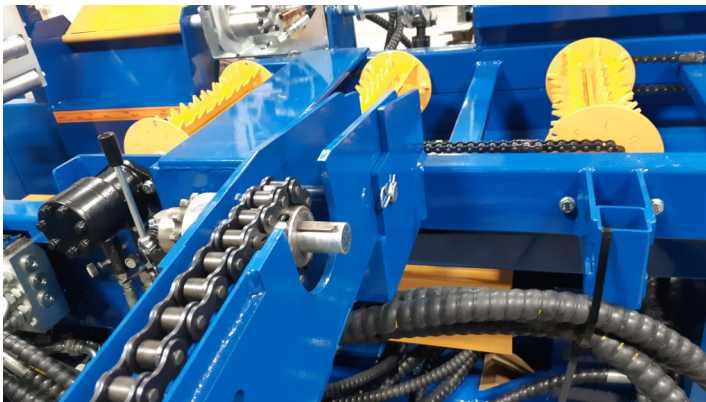
The next step is to install the leg for the panel. Put those parts together.





Installing the infeed table.

First install the big infeed bars with the chain. Take out the pins on the machine frame. Insert the infeed bars and secure with the pins. The one with the motor mount plate going towards the end off the machine.





The motor plate should be on the left and down.

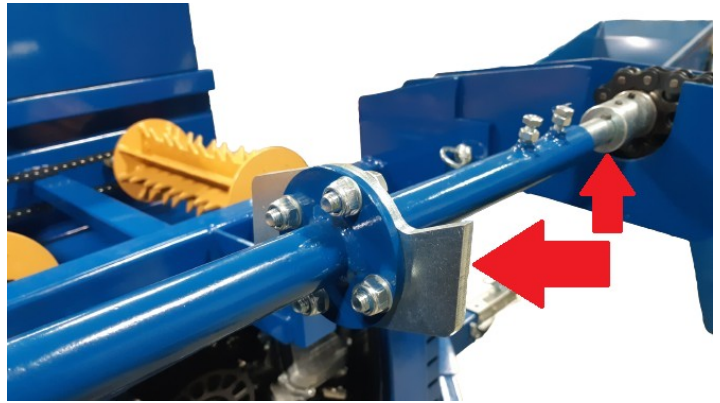


Install the push-in bar.

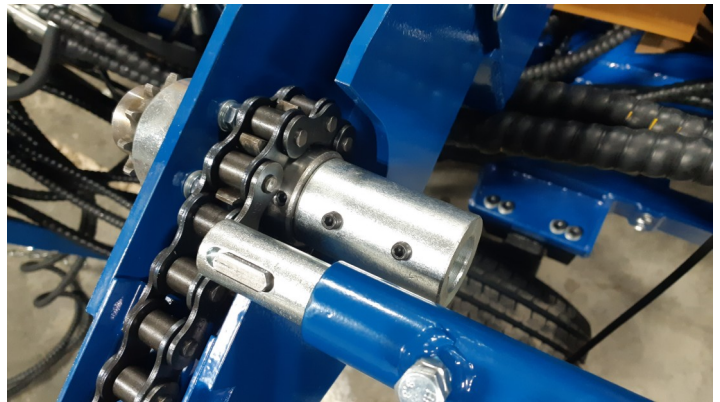
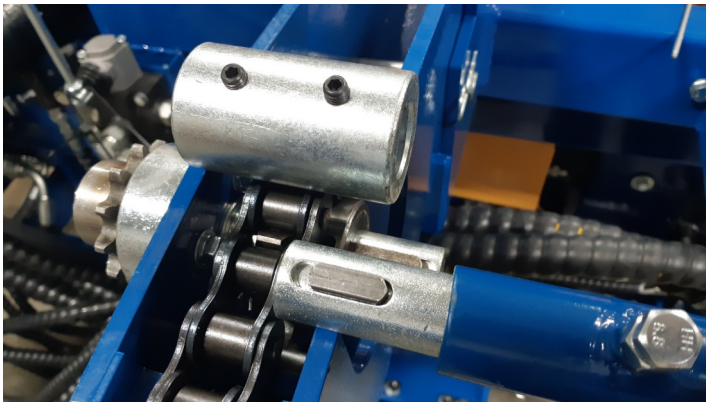




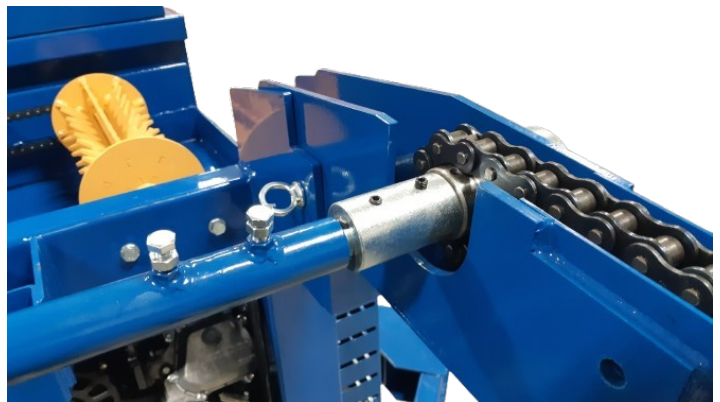
Insert the right side of the rod into the bushing on the infeed bar. Pay attention to the correct direction of the gripper .



Remove the bushing on the other side. Install on the chain shaft as in the picture.

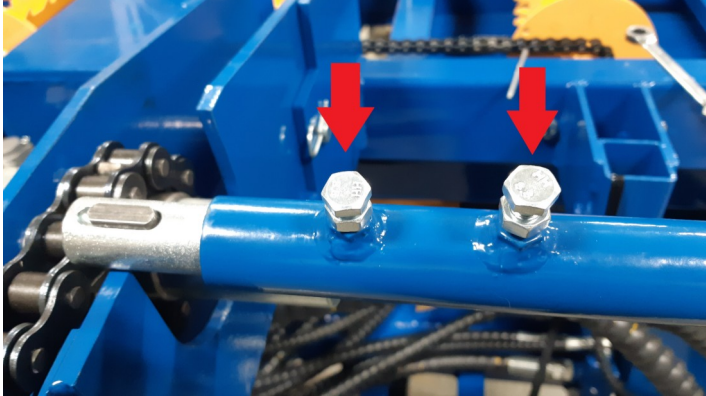


Take out the key. Slide the rod all the way to the right as far as it will go.

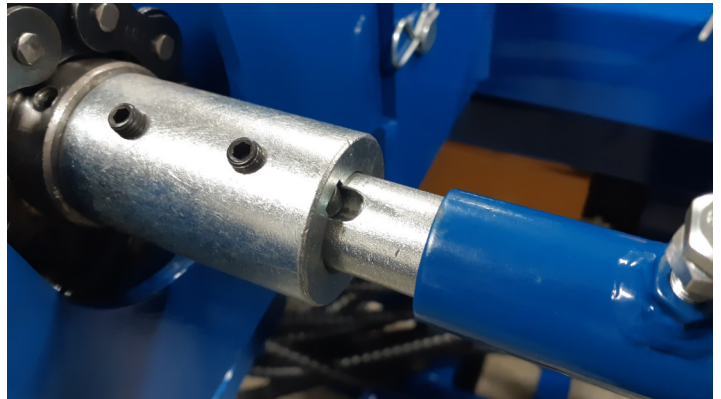




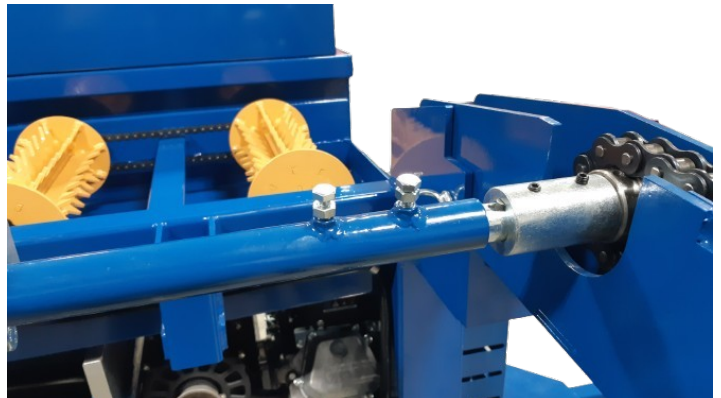
Loosen these two screws so that you can slide the inner rod into the outer one. Do not push it all the way in. Just enough so that the rod can pass the bushing. Push the inner rod slightly into the bushing. Only as much as is inside.



Insert the key and push the rod as far as it will go into the bushing.

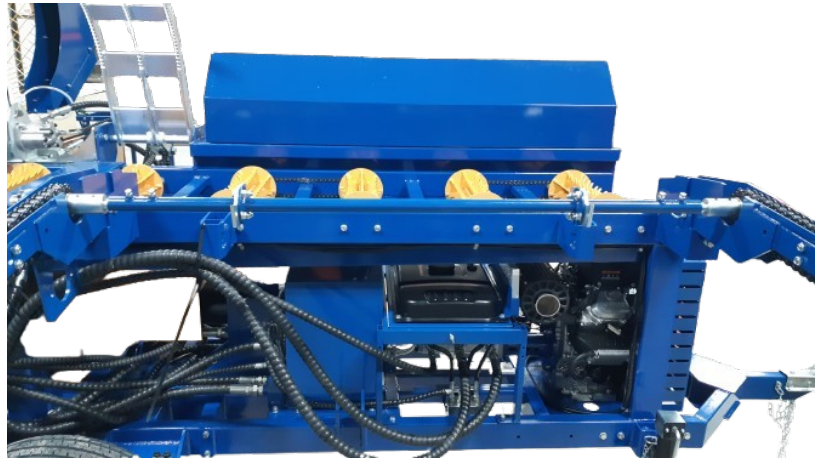


The gap should be the same on both sides.

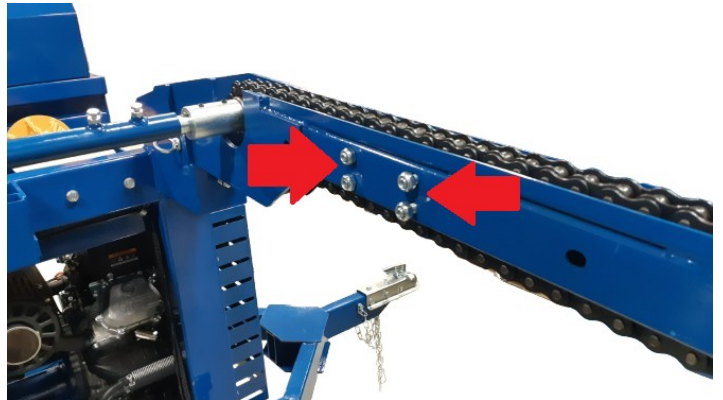
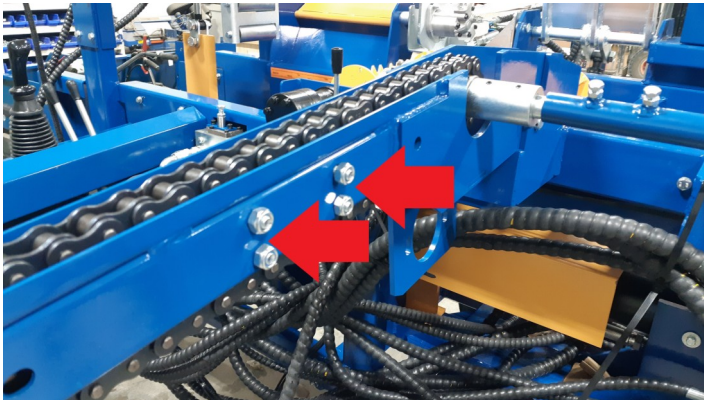




Tighten all screws and set screws.



Take out these bolts.

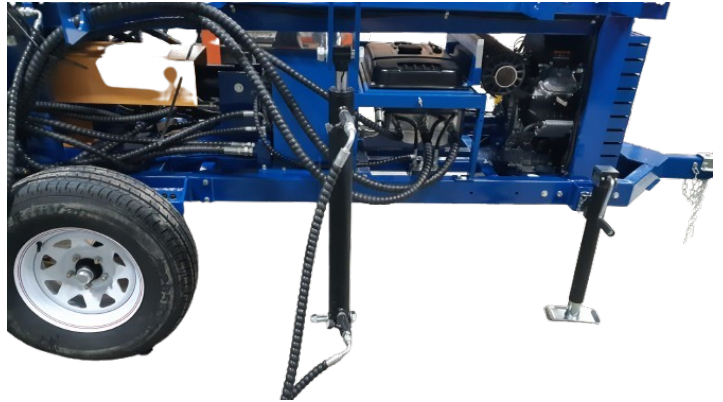


Install the inner crossbar. Bracket for the hydraulic cylinder downwards.





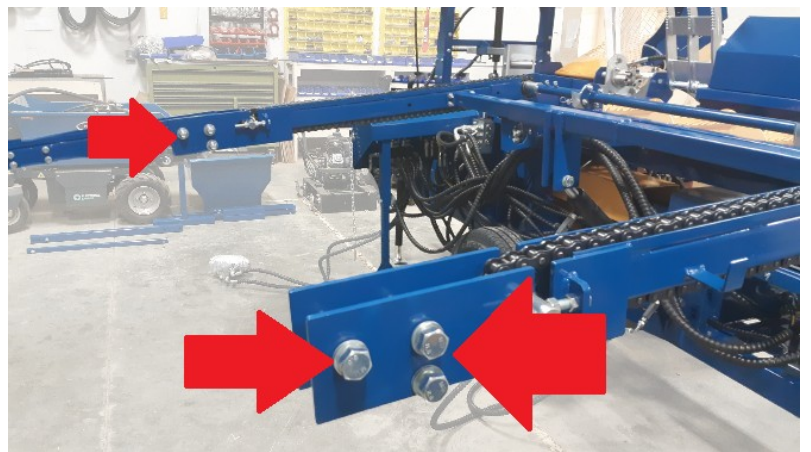
Install the cylinder at the top.



Install the cylinder at the bottom of the frame.



Remove these bolts.





Install the extensions. Marked bolts to the inside.



Take out these bolts.





Install the outer crossbar.



Assemble these two parts together and install at the end of the table.



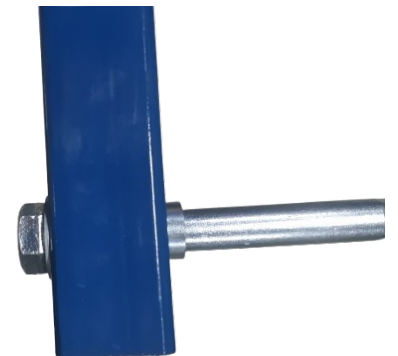
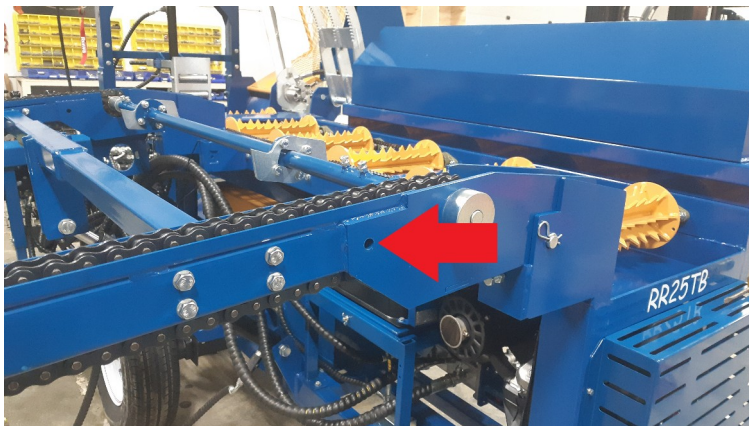


Install these safety extensions.



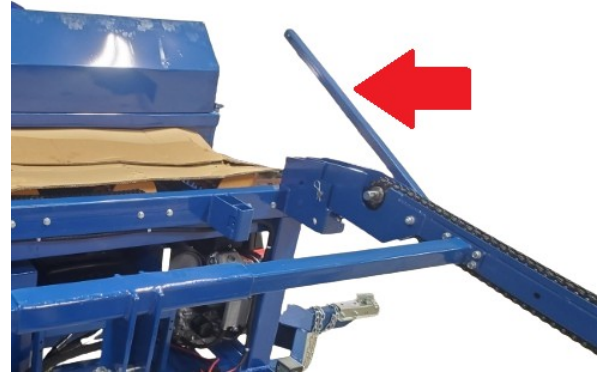
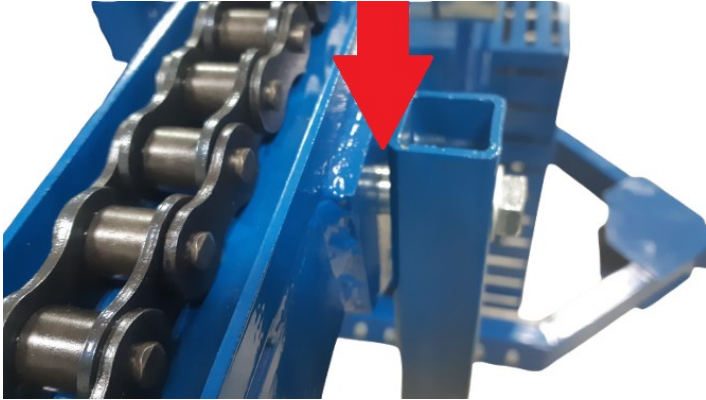
This part is for securing when the table is folded upwards.

The part is attached here. The spacer must be like this.





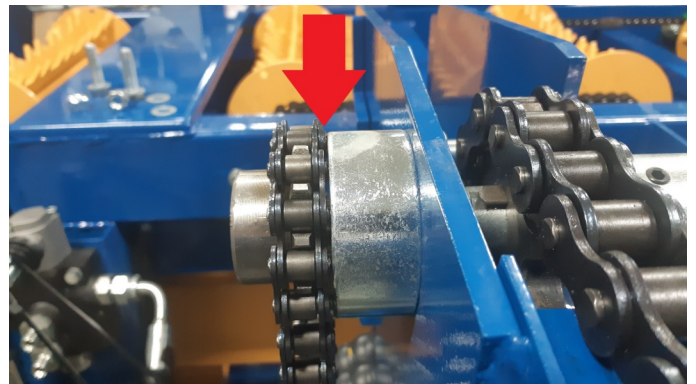
The rod must be facing up.



Now install the hydraulic motor. Hang the chain over the upper sprocket.



The sprocket may need to be adjusted. So that the chain can run freely without rubbing.

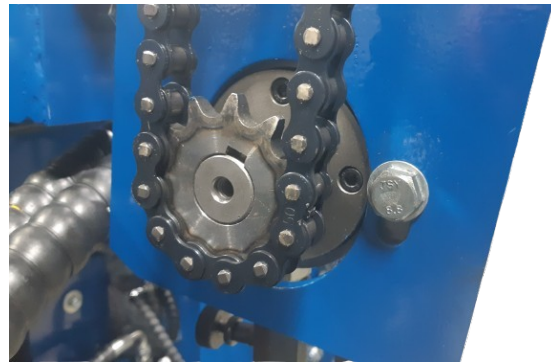




Feed the motor with the sprocket first through the motor plate from behind and hang the sprocket into the chain.



Fasten the motor with the bolts.

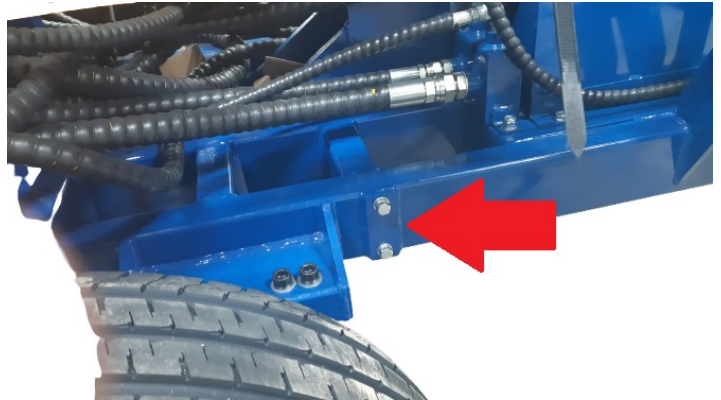
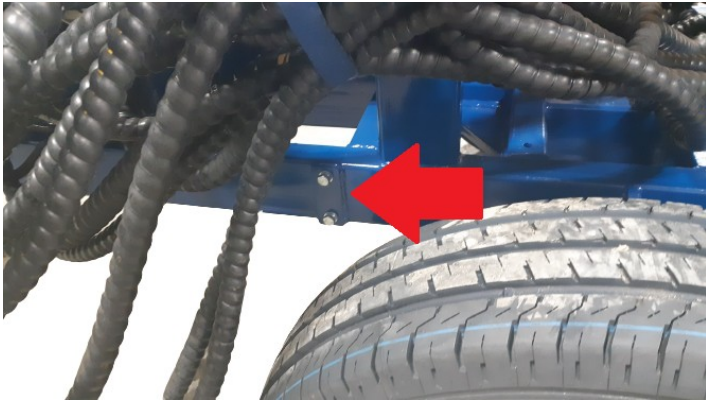


The next step is to install the fenders.
To do this, it is necessary to fix the hydraulic hoses slightly upwards.





Remove these bolts on both sides of the machine.



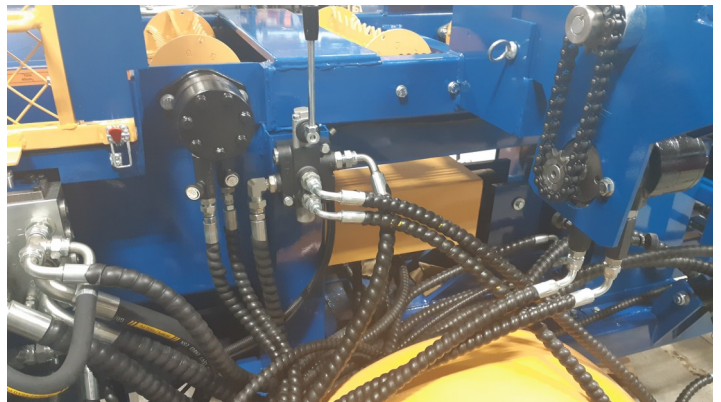
First install the bars for the fender. Bolt them to the frame. Then bolt the fender onto these.



Repeat this on the other side of the machine.



Install the hoses from the table cylinder to the valve. The upper hose to the lower port on the valve. The lower hose to the upper port on the valve.



Connect the fuel hose from the fuel tank to the fuel filter. Keep the hose away from any hot areas like the muffler.

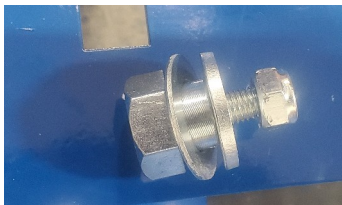
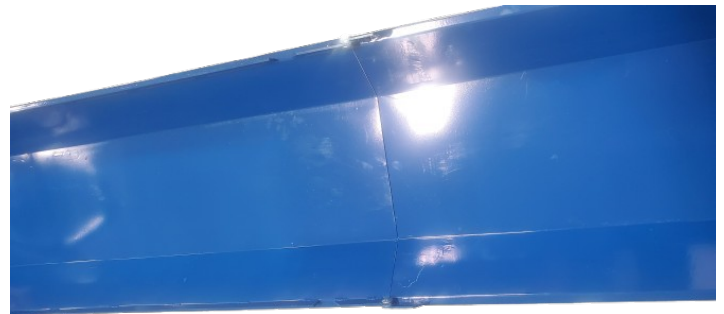
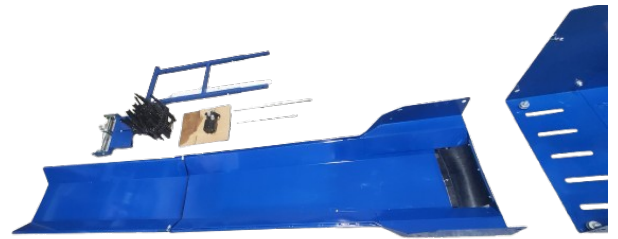


Conveyor

Remove the out feed conveyor from its box and unwrap all components.

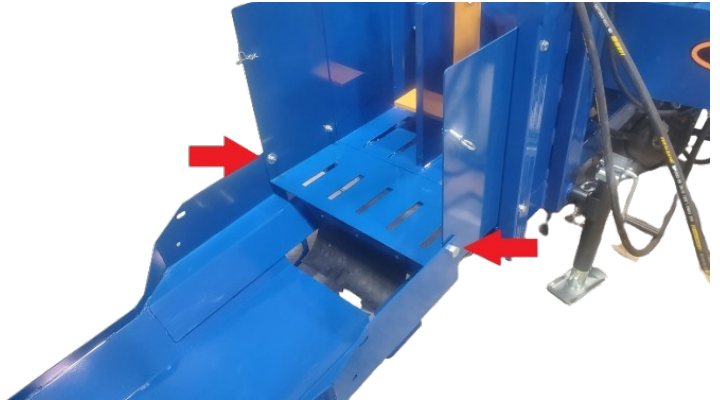


Place both conveyor parts together. The wide side of the conveyor towards the end of the machine. Take out the bolts. Put both parts together and install the bolts. Make sure the one washer is in between the 2 conveyor parts.





Place the conveyor onto the machine and install the 2 bolts. 1 washer in between the frame and conveyor.



Find this rod. Take out one of the washers and pin.



Unwind some cable from the winch. Feed the rod through the roller assembly closest to the winch.





Find the conveyor support leg.



Feed the rod through the support leg and the conveyor. Install the roller assembly on the other side. Install the washer and the pin.





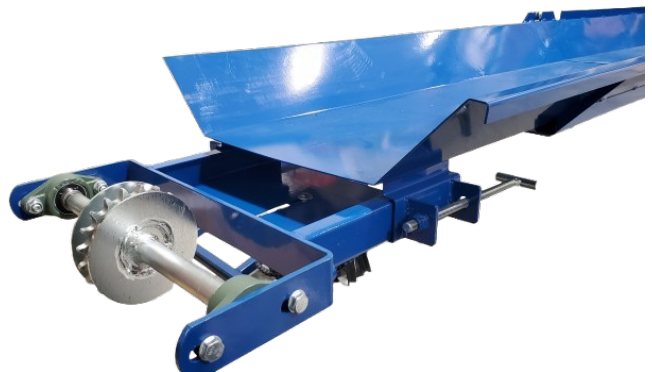
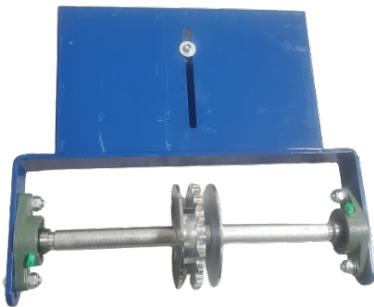
Install the end of the cable to the machine.



Roll in the cable with the winch. Watch the cable is correct on the rollers. Close the safety latch and install the safety pin underneath the conveyor.



Install the top chain sprocket.





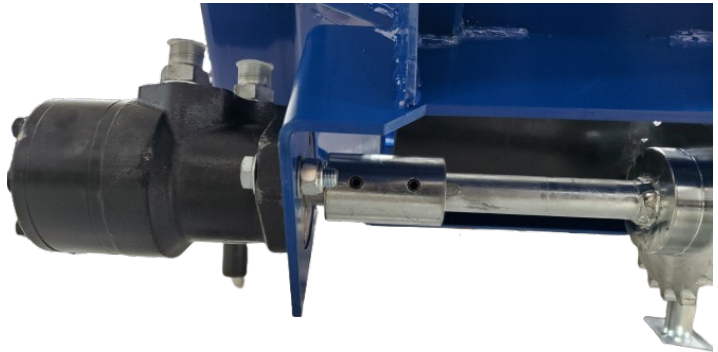
Tighten the 10mm nut and bolt, leave it loose enough that the roller can still slide when adjusting it.



Install the conveyor hydraulic motor at the bottom of the conveyor. Fittings up.



Slide the shaft of the motor into the coupler. Make sure the key is in. Tighten the set screws.





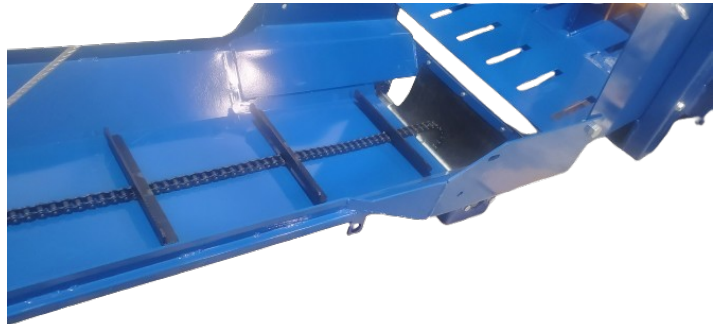
Install the hydraulic hoses. The return line to the tank is the one closer to the conveyor.



Install the chain.
The chain can be installed either direction, user preference.
Place the chain on the conveyor end on the sprocket.
Take out the Chain lock.

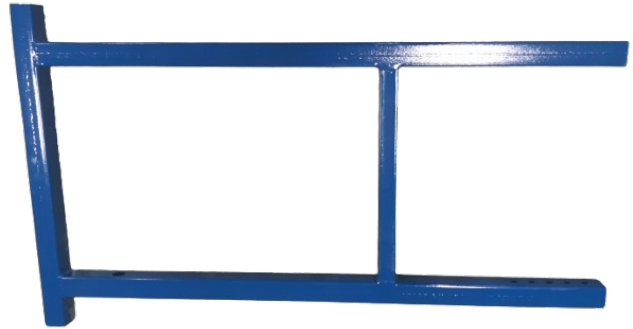


Pull the chain down to the lower conveyor end at the machine and on to the sprocket. Have the chain pass on the sprocket. Use wire to tighten up the chain on the upper sprocket so it won't roll off. Lift the conveyor. Feed the chain on the sprocket and connect with the other end of the chain. Install the Chain lock. Take out the wire at the top sprocket.



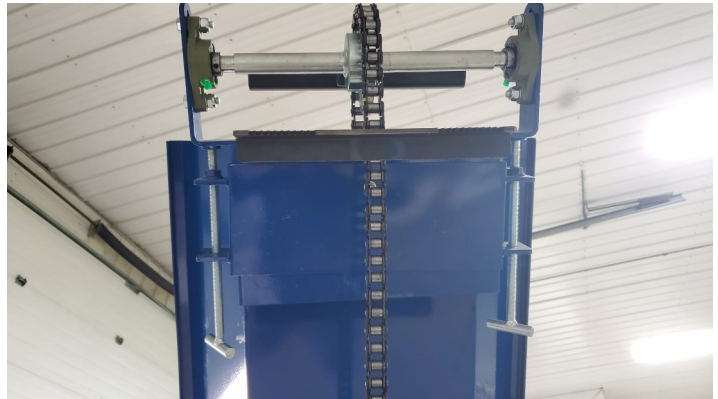


Install the lower part of the stand.





Once the chain is on, the upper sprocket assembly can be adjust away from the conveyor to add tension to the chain – you want it just tight enough to ensure the chain does not slip of either sprocket.



Verify all hardware is tight and verify all lines and connections are tight.

Take some time and verify all hoses are not interfering with one another and that there are no major rub spots – secure hoses with cable ties if necessary.

Check all chains verify proper tension/ routing.

Adjust cutting chain tension as necessary.

Fill engine with engine oil (5 OR 10W30 conventional) – about 1.5 liters.

Fill tank of machine with Hydraulic oil (AW-32) – about 28 liters.

Fill up Bar oil reservoir.
Recommend the use of mid-grade fuel.

After starting:

Let machine run at an idle or just off-idle.

Check for any leaks.

Once the machine has been verified no leaks, the RPM can be increased and all the functions on the machine should be run, one at a time.

Run all the functions until all the air is out of the system (operations will be smooth without any jerking or pausing).

Before starting:

Ensure the kill switch is in the “up” position.

Choke on, fuel on.

Clean up any fuel spills if necessary.

Re-check hydraulic fluid level and adjust as necessary.

Check again for any leaks.

If there are no issues and everything is running smoothly, it is time to introduce your first log and get cutting!

Don't forget to turn on the bar oil valve “on” when cutting and back “off” when you are done.

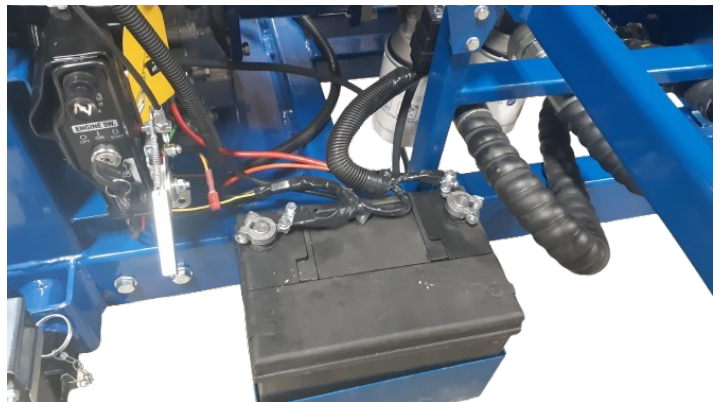
Fuel tank and gauge.



Hydraulic tank and gauge.



Battery and terminals.



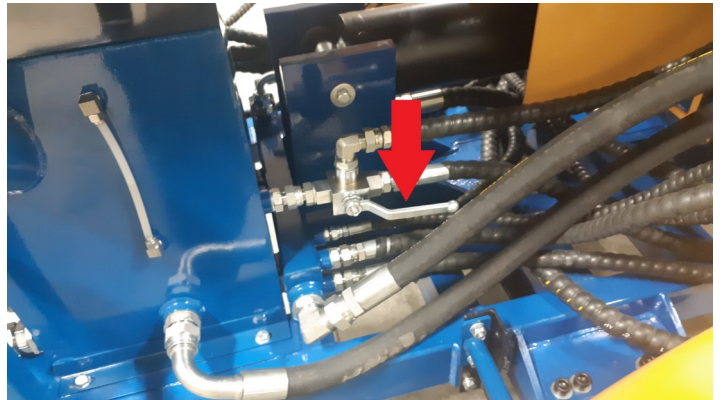
Engine oil filler cap and dip stick.



Conveyor valve closed.

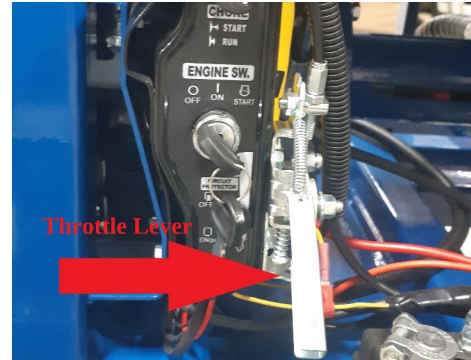


Conveyor valve open.

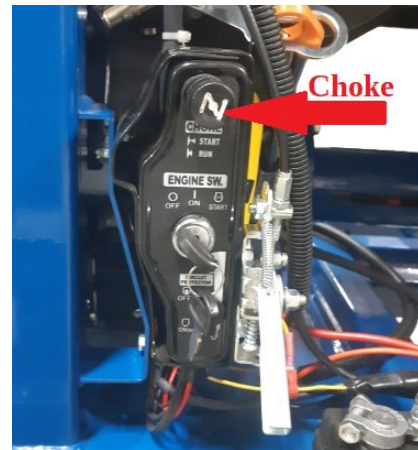


Engine Start

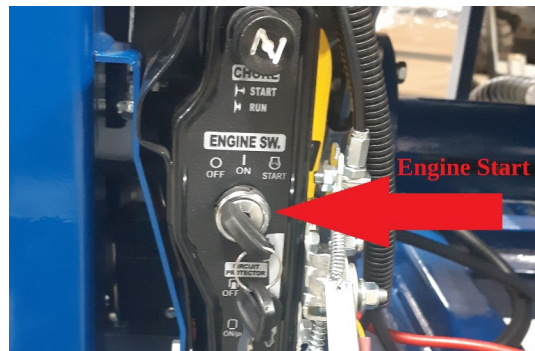
Throttle closed



Choke open



Turn key to start



After the engine is running, reduce the choke and open the throttle.



Folding the conveyor and the in feed table for transport.

Open the safety latch underneath the conveyor.
Loosen the upper sprocket assembly to allow the chain to be loose enough to fold the conveyor.
Fold the conveyor.

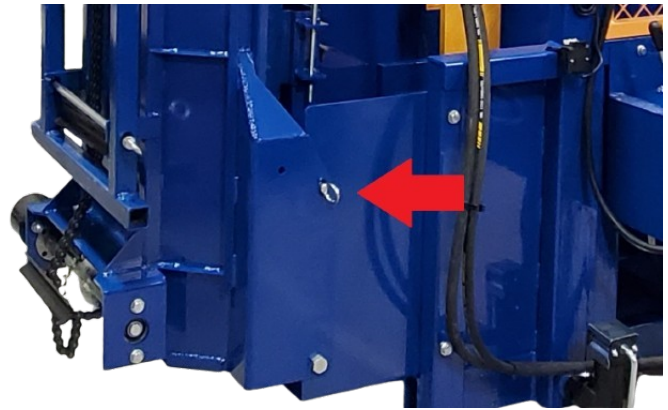


Pull the chain inside the machine towards the splitter wedge.
Lift the conveyor until upright.





Install the safety pins.



Raise the infeed table until the legs are in the air.
Take the 4 bolts out on both legs. Take off the stands.



Take on both table arms those 2 bolts out.





Fold the table legs up.



Slide both stands into the legs.
Install all bolts back into the arms and legs



2 safety bars



Fold up the table and secure with safety bars.



