



RR25T

Range Road RR25T Firewood Processor



Crated Unit Assembly Manual

Undo four Nuts and bolts, one on each leg of top frame

Lift top of Metal crate off and move it out of the work area.

Remove, lay out, and Unwrap components

Lift Unit off of the crate, if using straps be careful not to bend or stress any components

Locate axle tubes (2) and wheels/tires (4)

Remove one hub assembly from each axle, taking care not to misplace the cotter pin, axle nut or washer.

Install the axles into the axle tubes on the frame of the machine.

Re-install the removed hubs on the axles - tighten axle nut until hub is becoming hard to turn by hand - back off nut until axle nut lines up with hole in axle pin - install cotter pin and install dust caps.

The wheels can now be mounted, and the wheel nuts torqued at 75 ft/lbs. Be sure to top up tire pressures if needed - 32 PSI



The fenders can be installed, but it may be easier to leave them off for now as it leaves more room for the rest of the assembly.



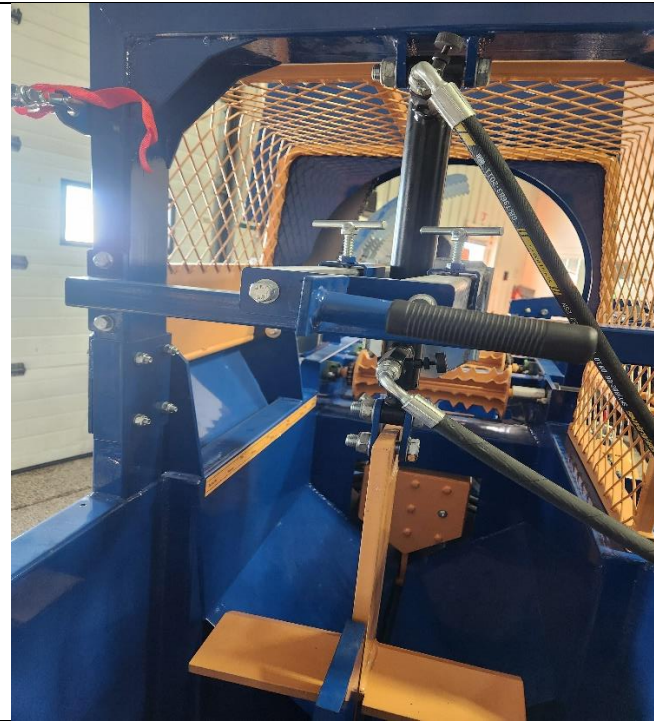
The tool box assembly can now be installed on the body of the machine.



It is mounted via bolts that are inside the tool box cubbies.



Place the splitting wedge into its pocket at the rear of the machine. For now - it will set all the way down - it will be attached to the lifting cylinder in a later step.



The saw guard/cage can be pre-assembled and mounted on to the machine



Attach the orange cage to the blue saw guard via the bolts in the cage, don't tighten these bolts fully just yet.

Install the bar oil reservoir onto the guard, tighten these bolts.

Another picture from a different angle, showing the orange cage attached to the saw guard.

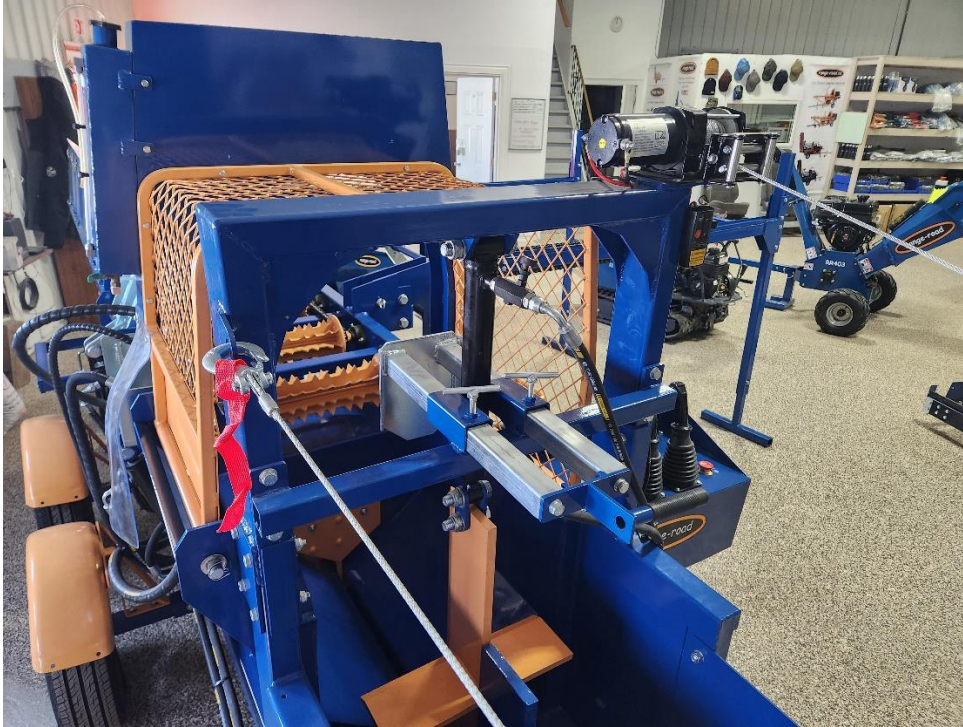


The cage/guard assembly can then be mounted to the frame of the machine via the long mounting pin - it has cotter pins and washer on both ends to lock it in place.

Close the guard fully and ensure the latch lines up - adjust latch as necessary.



The rear tower assembly can now be installed onto the machine.



Locate the "U"- shaped tower and install it on the back of the machine using the bolts provided.





The brace for the log stop will then be installed onto the tower

The log stop assembly can now be installed onto the brace that was installed in the last step.



The winch assembly will now be installed on top of the tower, on the right side (from behind the machine - looking forward)



The lifting cylinder can now be mounted to the splitting wedge via two small, blue flat-bar brackets and the provided bolts.



The rear spacer will now be installed onto the rear of the machine



The conveyor crate can now be unpacked and all parts unwrapped and laid out.

Locate the lower section of the conveyor trough.

Lay the far end of the conveyor section down on the conveyor crate or something of similar height, then line up the other end on the back of the machine, install bolt on either side.



The upper portion can now be attached to the lower portion.
Locate the upper trough and lay on top of the lower section upside down (fold the conveyor in half)

This will allow the upper and lower sections to be bolted together relatively easily.

Once the upper section is bolted to the lower section, you can unfold the upper section and fully extend the conveyor.

The winch cable needs to be connected to the conveyor pulleys, the easiest way to achieve this is: raise the unfolded conveyor up high enough so that the side pins can be inserted in the conveyor thru the rear spacer - this will hold the conveyor in the upright position so the winch cable can be attached.



Install the rod with the winch pulleys AND the support leg onto the lower section of the conveyor.
Run the cable back around the conveyor and hook it onto the left side of the tower on the machine.

Take up the slack in the winch once it is electrically hooked up - then remove the pins and lower the conveyor back down via the winch so you can easily reach the end of the conveyor.

The chain will now be installed onto the machine - split the chain at the master link if it has not already been done.

Make sure both the lower and upper sprockets are installed onto the conveyor - the top sprocket assembly must be installed as close as possible to the conveyor for now, to ease with the chain install.

The chain can be installed either direction, user preference.

Now is a good time to install the two hoses that run that conveyor motor, they just need to be threaded onto the motor and tightened. They are ran along the body of the machine, at the rear, with caps on them.

A rubber guard or mudflap is recommended to be installed over the lower sprocket, otherwise wood has a tendency to fall in between and jam up. Rubber guard not included.

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.

The table now needs to be assembled and installed onto the machine.



Build the table sides separately, on the ground. Once they are both assembled, one side will be installed onto the machine at a time.



Install end legs onto each side of the table - uprights can be installed at this time too.



Install both sides of table to frame of machine - then install blue bar with silver ends(chain drive bar)



Install cylinder support bar between tables side and install lifting cylinder on support bar/ frame of machine.



Install rear cross bracket between both sides of table



Install draw bar assembly with coupler and safety chains.

Fenders can now be installed if they werent installed on the earlier step.

Jacks and jack brackets will be installed at all four corners of the machine.

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 neccessary

Fill engine with engine oil (5 OR 10W30 conventional) - about 1.5 litres

Fill tank of machine with Hydraulic oil (AW-32) - about 28 litres

Fill up Bar oil reservior

Recommend the use of mid-grade fuel

Before starting:

Ensure the kill switch is in the "up" position

Choke on, fuel on

Clean up any fuel spills if necessary.

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)

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.