

# RR403 Wood Chipper Assembly of the RR403 ATV Towable Wood Chipper.



Unpack everything and start assembly

Leave the main body assembly on the base of the crate.

Slide the battery box to the edge of the crate



Bolt the axle extension to the main body assembly - 4-16mm nuts & bolts



Bolt the axles to the axle extensions - 4-16mm bolts & bolts



Install the wheel and tire assembly onto both axles -

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3-13mm nuts and bolts

The machine should now look like this



Use a floor jack or blocks to support the unit in the centre, make sure the unit is stable then install the front leg - 4-16mm nuts & bolts



Install front tow bar - 2-16mm nuts & bolts



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Pull out pin and install front support leg with the feet pointing away from the unit, put bolt through the front hole of the leg support and the pin & retainer through the rear hole



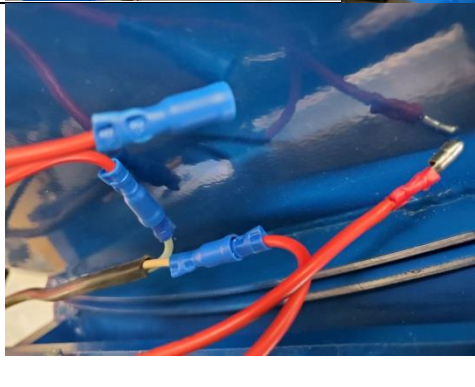
Install 2" coupler - 2-16mm bolts & nuts



Install the black rubber gasket onto the rear of the machine and then place the feed chute on, install 6-16mm nuts & bolts



Connect the wire to the matching blue connectors on engine wires





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Unscrew the red emergency stop button, the silver retainer nut and the white retainer



If the switch goes through the housing and 2 sizes of threads are showing install the bigger white nut, then the rubber seal and chrome nut, if only 1 size of threads come through the hole only use the rubber seal and chrome nut, the white nut is not needed.



Fasten the black portion of the switch housing to the blue mount with the 4 provided allen head bolts, the opening in the housing goes above the round hole in the mount



Make a hole in the rubber grommet and run the wires from the switch through the hole in the black housing and then through the hole in the grommet, fasten the upper (yellow) housing to the lower (black) housing using the 4 screws, put the grommet in place to seal the hole and it should now look like the assembly on the right

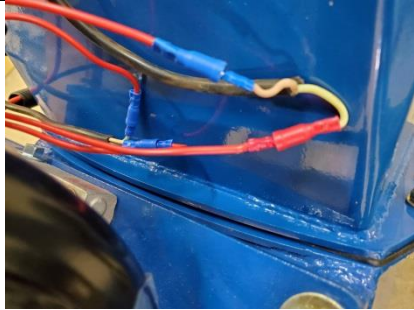


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Slide the wires into the metal tube on the infeed housing, make sure they both come through the bottom, fasten the 4-10mm bolts



Connect these 2 wires to the provided connectors from the engine, red connector to red connector, blue to blue.



Install the lower exit chute onto the main housing, with the rubber gasket between the 2 pieces, tighten the 4-16mm bolts



When installing the upper chute, 1<sup>st</sup> line up the large holes for the positioning pin on the top section, full circular piece and on the bottom goes the half circle. This is usually easier to do before mounting. Once the holes are lined up, place the blue flat bar, then the pin with the spring on the top, the blue hold down bracket goes over top to hold everything in line, very loosely install 2-13mm bolts & nuts through the holes of the hold down bracket. Install upper chute onto lower chute at an angle working the half plate over the chute.



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Install the 2<sup>nd</sup> half circle bracket and the rest of the 13mm bolts & nuts, the top portion should easily swivel when you push down on the bar to lift the lock pin.



Tighten all the bolts & nuts and make sure the chute still swivels easily when you push the bar down



Snug up the bolts on the direction flap so that it can still be moved up and down





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Grease the shaft by using a grease gun on the fittings on both sides of the machine

Remove the outer blue cover pictured here.

There are two Allen head bolts that secure the drum shaft on this side

These Allan head bolts need to be checked for proper tension otherwise the drum may shift during operation



Remove the belt cover to access the other grease fitting

While this cover is off, the 2 Allen head bolts on this side should be checked as well.

They are located behind the pulley but can be accessed without pulley removal

Turn the belts by hand to ensure the drum turns freely, adjust as necessary

While the belts are exposed, check the tension.

They should be tightened so the belts have minimal deflection (1/2" or less)

The belt tension should also be checked on a regular basis to ensure proper Chipper operation



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The machine is now fully assembled

Add fuel and engine oil to the engine

Check that all covers are properly closed and the engine kill switch is rotated and lifted up, if the red button does not push down turn it slightly and it will pop up into the run position

Run the engine and verify both the emergency kill switch and the feed chute door kill switch operation

