

Assembly Instructions



LONG  **HORN**

 **Bluestreak**equipment
The world's best magnetic cleaning equipment

Bluestreak Equipment
1645 Hwy #3, Delhi
Ontario, Canada
N4B2W6

What's on the pallet



Items on the Pallet:

- 1pc – Magnet Assembly with casters
- 1pc – Orange Debris Catcher
- 2pc – Release Handles
- 1pc – Top Link Adjuster
- 1pc – Top Link with Bolts
- 1pc – Steel Back Frame

What's NOT included

Warn Provantage ATV Plow System - Front Plow Mount Kit



Items **NOT** included with the magnetic sweeper:

- 1pc – Warn Provantage ATV Plow System - Front Plow Mount Kit .

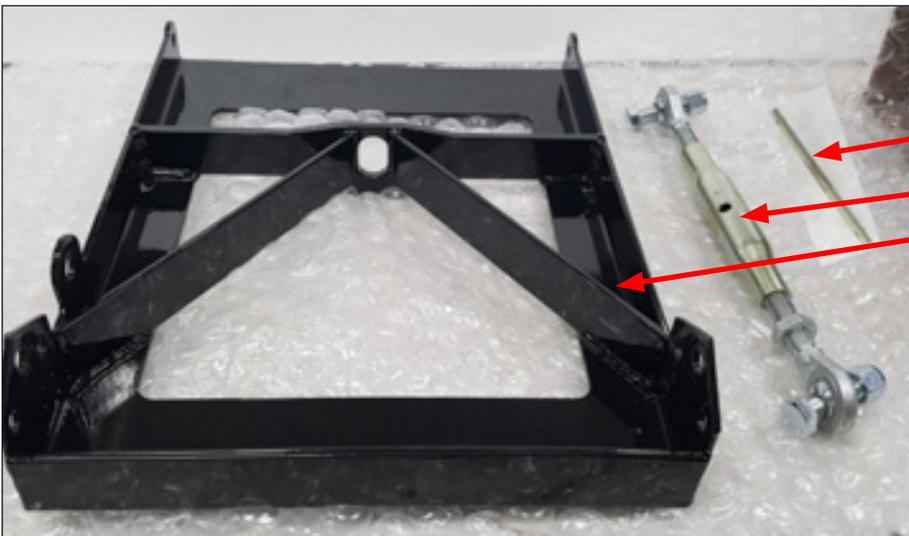
NOTE: These items are required for installation of the sweeper to the ATV but need to be purchased elsewhere. They are not included with the sweeper.

Step 1. Unpack Pallet



Unpack the Pallet

Remove Shrink Wrap/Strapping/ Card-board from the pallet.



Unpack the Pallet

Remove items from the pallet including:

- 1- Top Link Adjuster
- 2 - Top Link with bolts
- 3 - Steel Back Frame

Step 2. Install Front Plow Mount Kit (not included)



Install Part A of the Warn Provantage ATV Plow System as per instructions in your WARN plow mount kit.

The Front Plow Mount Kit is not provided with the Longhorn and needs to be purchased separately.



Attach Part B and C of the Plow Mount System to the outside of the Steel Back Frame on each side as shown. To attach Part B and C use the fasteners provided with the Plow Mount Kit.

The Steel Back Frame comes with the sweeper and is in the box.

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Step 3. Attach Top Link



Attach one side of the Top Link to one side of the Steel Back Frame using the bolt that came with the Top Link.

Tighten the bolt using a 15/16 wrench.

Step 4. Attach Debris Handles



Remove wheel casters temporarily.

Remove the wheels from the sweeper by removing the single 3/8 bolt holding the caster in place on both the Left and Right Side of the magnetic sweeper.

Step 5. Attach Debris Handles - continued



Remove the Debris Handles from the pallet and unwrap.

Remove both bolts and washers from each of the handles.

Place handles with welded nuts facing inward toward the lid of the magnet in the position shown in the picture.



Re-Install bolts with washers as shown.

Fully tighten both bolts using a 9/16 wrench.

Do this for each handle.



Result at this point in the assembly process

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Step 6. Set Wheel Height



Using the handles slide the magnet so the back of the sweeper is at the edge of the pallet as shown.



Select desired wheel height by selecting the hole height of the casters.

The upper most holes are the lowest sweeping height of 1", and the lower most holes are the highest sweeping height of 4".

Sweeping height is adjustable in 1/2" increments using holes in-between.

When you have the hole height selected insert both 3/8 bolts into the caster and tighten with 9/16 socket or wrench.

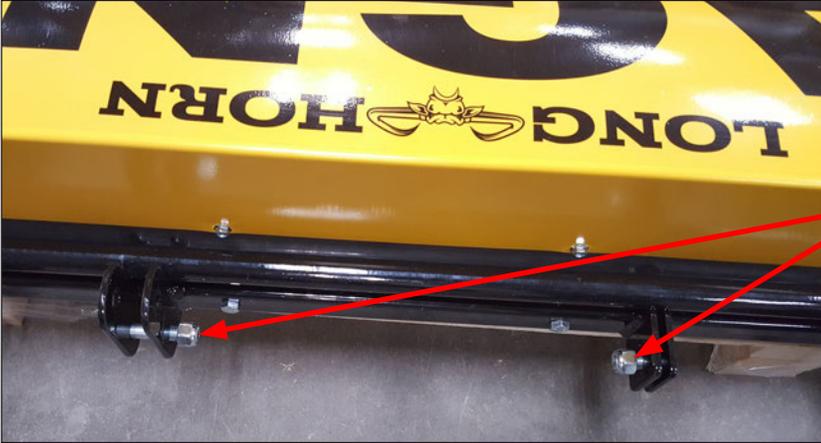
Set the other wheel and caster in the same vertical position.



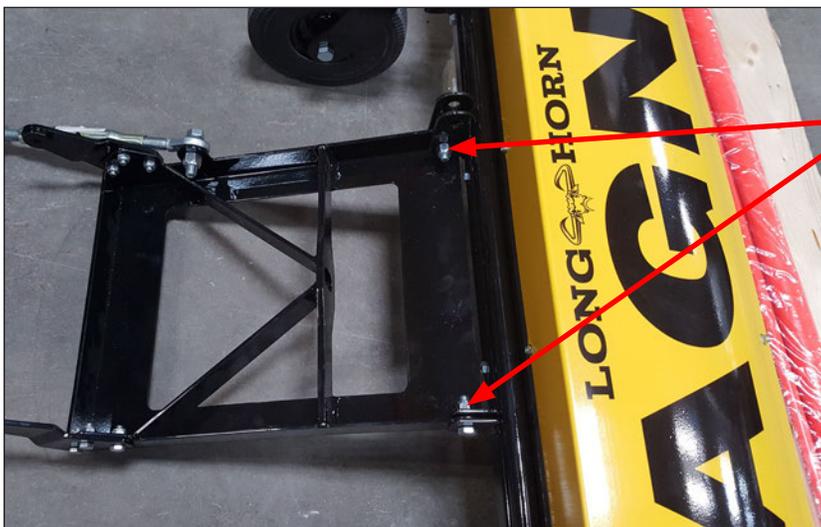
Result at this point in the assembly process.

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Step 7. Attach Steel Back Frame



Remove both 1/2" bolts from middle/back part of the sweeper.



Attach the Steel Back Frame by aligning the two holes and re-inserting the 1/2" bolts and nyloc nuts.

Snug the bolts. Do not over tighten.

NOTE: the Steel Back Frame inserts between the tabs on each side.



Attach the Top Link to the steel front frame using the 5/8 bolt and nyloc nut that was installed in the Top Link.

Fully tighten.

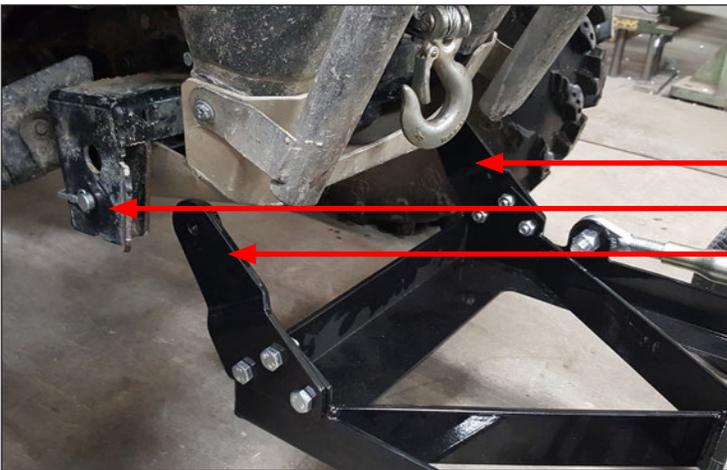
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Step 8. Attach Sweeper to Plow Mount



Turn the Top Link to raise the Steel Back Frame to the approximate height required to insert parts B and C into the Provantage Plow Mount bracket that is attached on the ATV.

This will assist you in lining up and attaching the connection point.



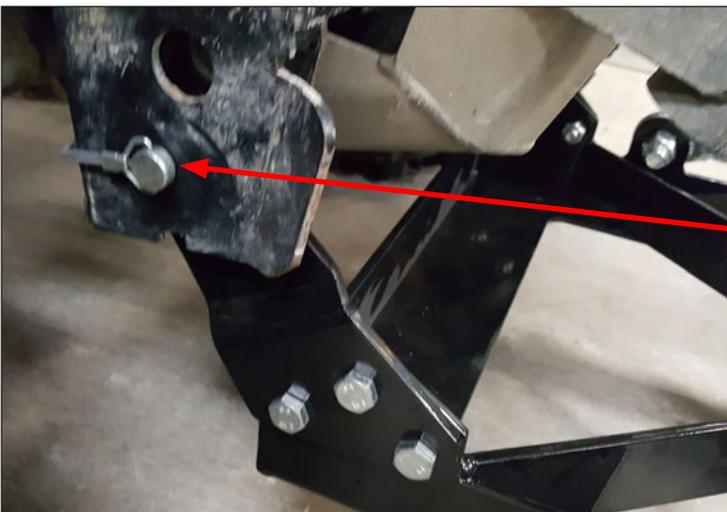
Result at this point in the assembly process.

The parts B and C are lined up to the Provantage Plow Mount bracket.

Part C

Provantage Plow Mount bracket

Part B



Set parts B and C into the pockets on the Provantage Plow Mount bracket and insert the pin provided with the Plow Mount Kit on each side.

Plow Mount bracket pin.

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Step 9. Remove Sweeper from Pallet



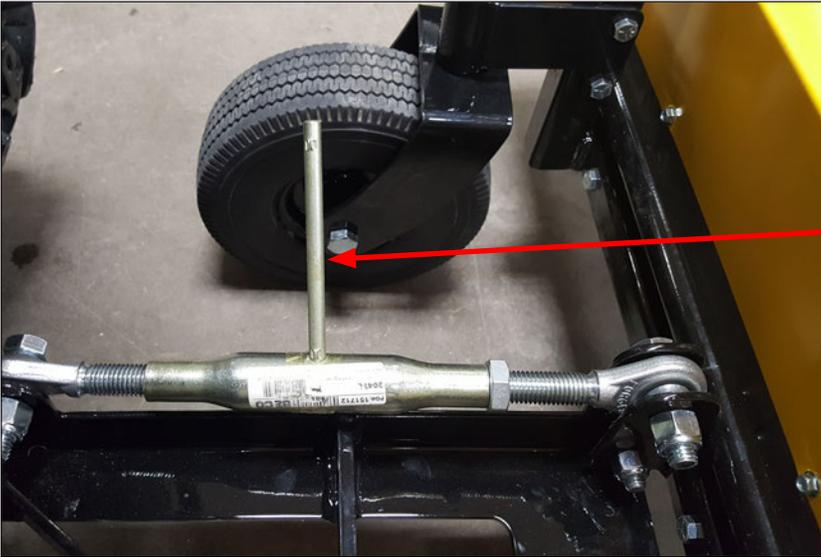
Let out the winch cable on the ATV and hook it into the center hole of the Steel Back Frame.



Lift up magnet and remove pallet.

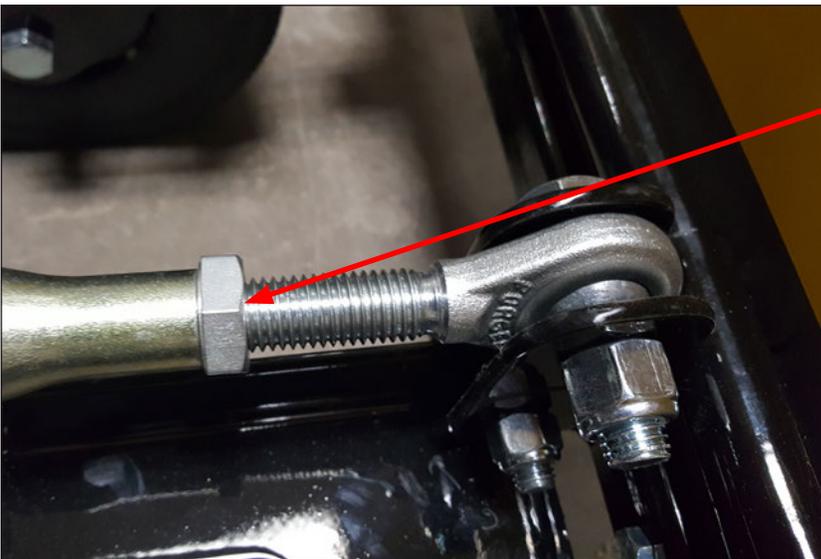
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Step 10. Level the Magnetic Sweeper



With the Longhorn lowered and resting on the casters, adjust Top Link with the Top Link Adjuster Rod until the bottom of the magnet is level with the ground.

Do this step with a person sitting on the ATV because the riders' weight affects the ATV suspension compression and therefore the angle of the sweeper.



Be sure to tighten the nut on the Top Link firmly when you are finished adjusting to prevent it from coming out of adjustment.

Your assembly is now complete!

Bluestreak Equipment • 1645 Hwy #3 • Delhi • Ontario • Canada • N4B2W6
www.blustreakequipment.com