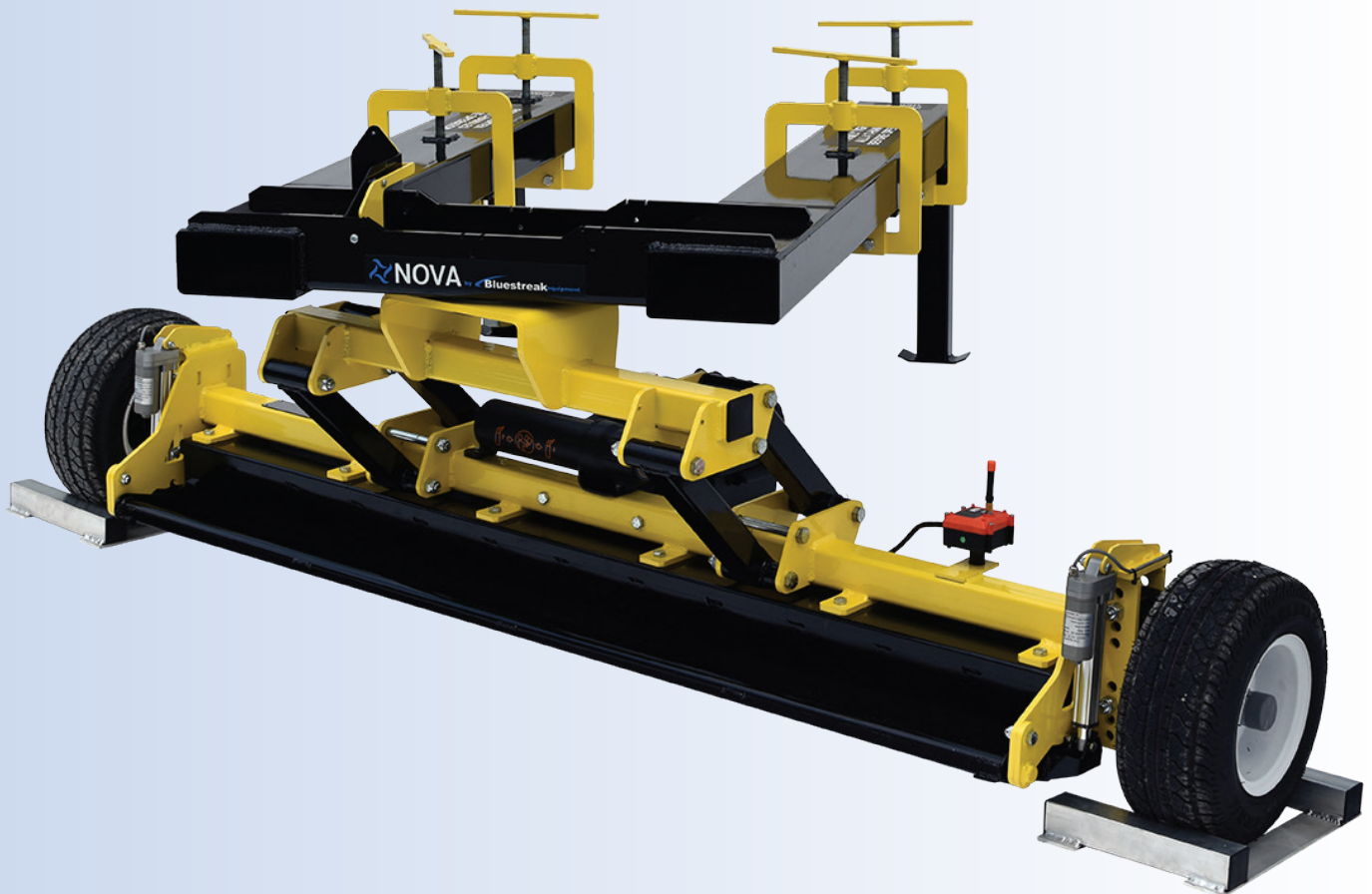


# Assembly Instructions



 **Bluestreak**equipment MAGNETICS  
APPLICATION DRIVEN DESIGN

Bluestreak Equipment  
1645 Hwy #3, Delhi, Ontario, Canada N4B 2W6

# Step 1

Unpackage the Fork Pocket Assembly and Remove from pallet with forklift.



Nova as Shipped on Pallet



Remove Shrink Wrap, Bubble wrap and cut poly straps around Fork Pockets



Remove Fork Pocket Assembly from Pallet with Forklift.

## Step 2

Remove shrink wrap from pallet. Packaged on the pallet are 6 boxes that contain the Fork Clamp Assemblies, Wheels, Axles, and Fasteners.

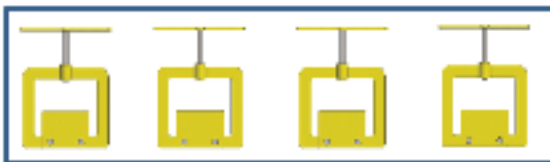
View of Pallet since fork pocket assembly and boxes have been removed



Parts and Boxes that have been removed from pallet



Contents of Box #1  
Steel Suspension Link Hardware (24pcs)  
Level Indicator Assembly



Contents of Box #2  
Fork Clamp Assemblies – 4 pcs



Contents of Box #3  
Suspension Link Assemblies  
w/bushings installed (4pcs)  
Pivot Nut Wrench



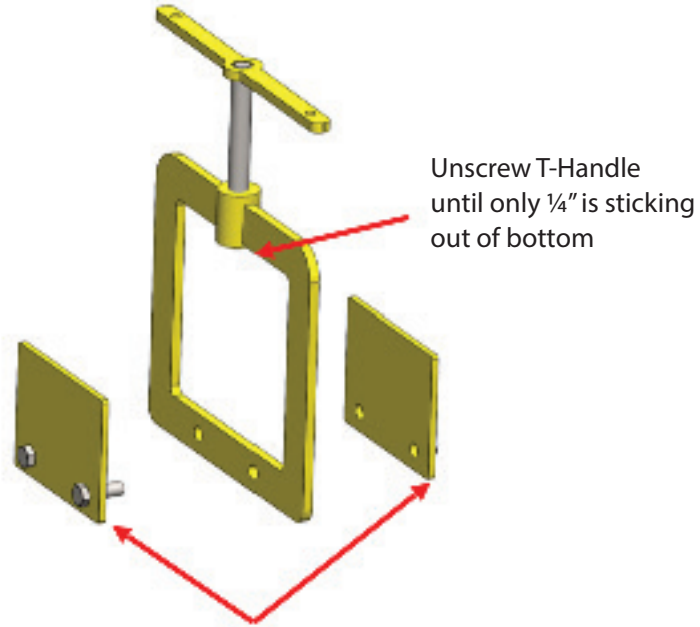
Contents of Box #4 & #5  
16 x 6.5 Wheels filled w/ tire sealant  
Safety Instructions, Assembly Instructions and  
Operating Instructions



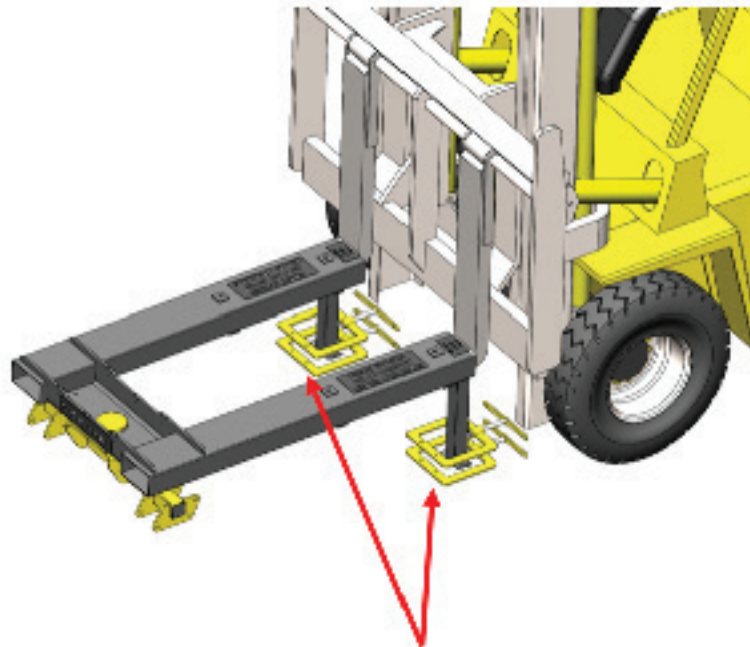
Contents of Box #6  
Steel wheel hub and axle assembly (2pcs)  
w/ hardware (8pc)

## Step 3

Install the Fork Clamp assemblies into the Fork Pocket Assembly.



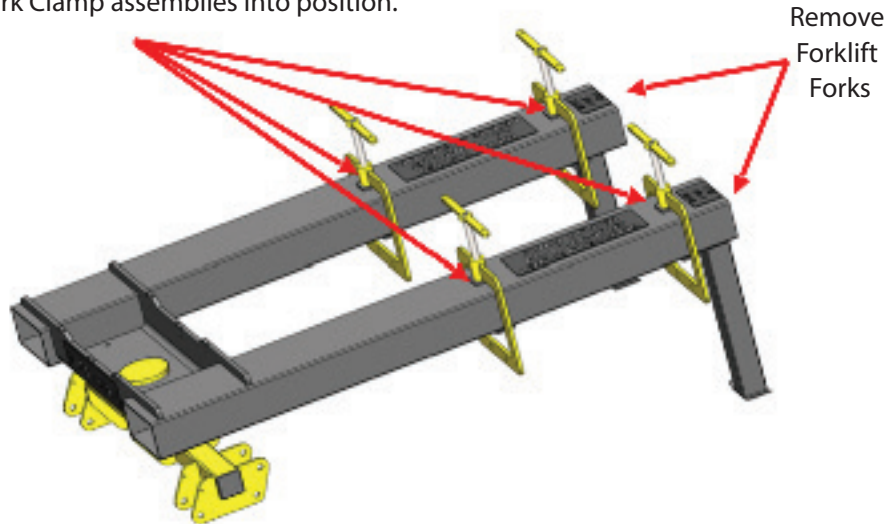
Remove Clamp Plates and Fasteners



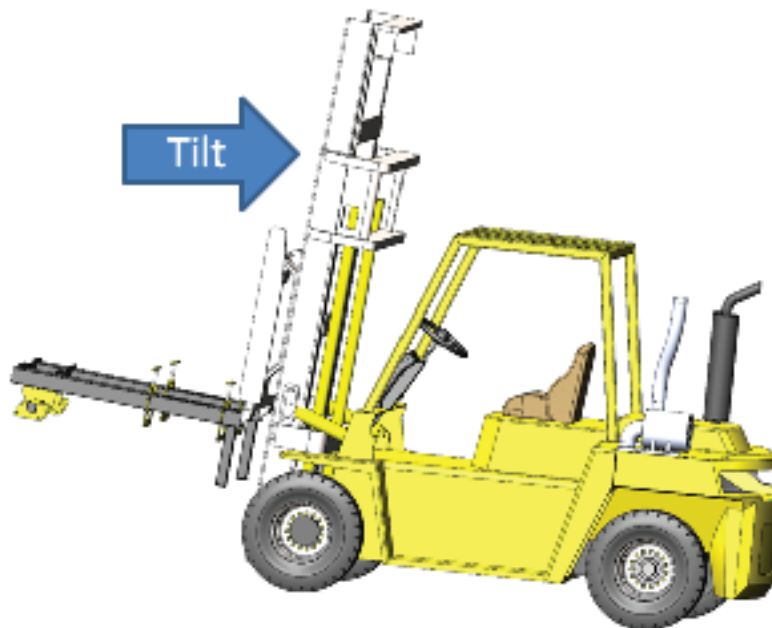
Set the four Fork Clamp Assemblies on the Ground (two around each Parking Stand) as shown and lower the Fork Pocket Assembly down to the ground with the fork lift.

## Step 4

Move Fork Clamp assemblies into position.

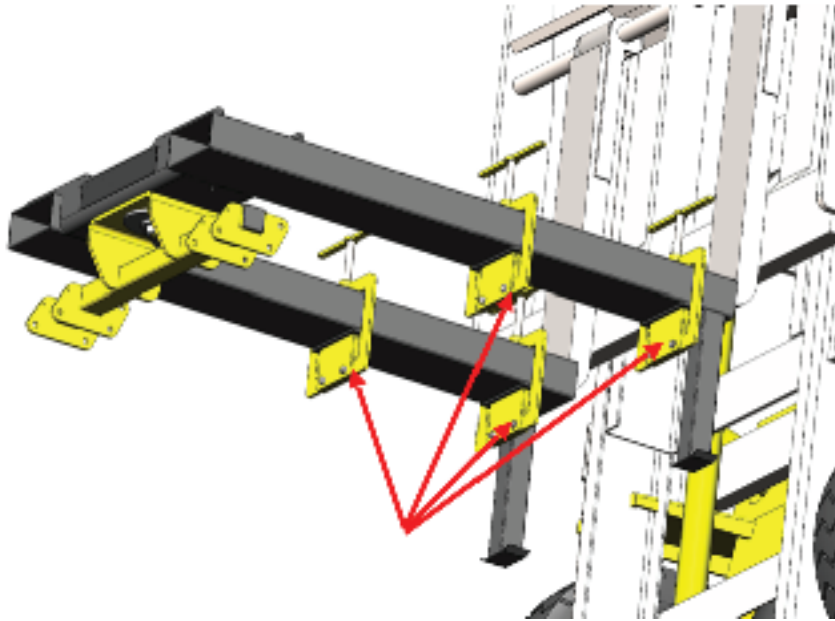


Move Clamp Assemblies into Position as shown by lifting them up the parking stands and flipping them around the tubes where the forks were removed until they are each in position.



Raise the fork pocket assembly with forklift so it is off the ground.  
Make sure the forks are tilted backwards so the assembly won't slide off the forks.

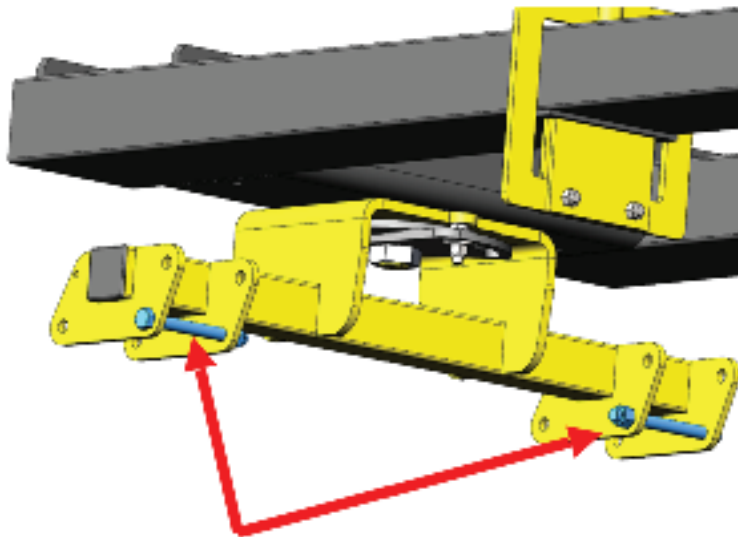
Re-assemble the Steel Fork Clamp Assemblies (4pcs) that were previously dis-assembled after unboxing.



Re-Assemble and tighten bolts firmly on the Steel Fork Clamp Assemblies (4 pcs). Use 2pcs  $\frac{3}{4}$ " wrenches.

## Step 5

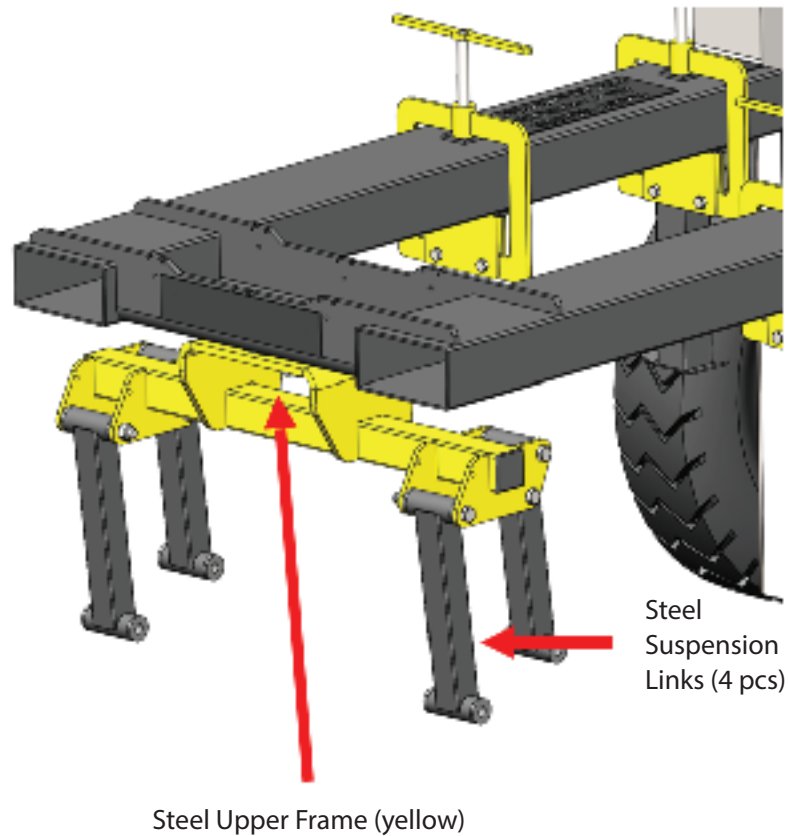
Install Steel Suspension Link Bolts in the Upper Steel Pivot Frame.



Install 0.625" x 6" bolts (2 pcs) and 0.625" nyloc nuts (2 pcs) in the locations shown. Only tighten enough to keep the bolts from rotating on their own. Use 2pcs  $\frac{15}{16}$ " wrenches.

## Step 6

Install Steel Suspension Links (4pcs)

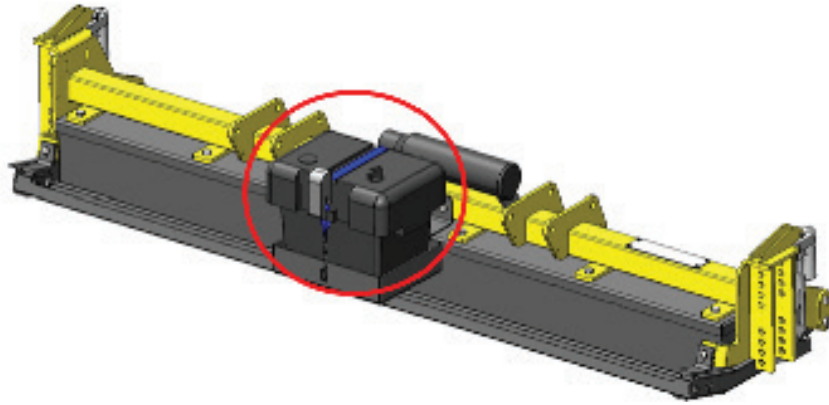


Install the Steel Suspension Links (4pcs) in the remaining 4 hole locations in the Steel Upper Frame using 0.625" x 6" bolts (4pcs) and 0.625" nyloc nuts (4pcs).

Only tighten enough so that the links can still pivot with very little force. Use 2pcs 15/16" wrenches.

## Step 7

Remove the lid on the battery box and install the battery (not supplied). Simply undo the ratchet strap and lift the lid off.



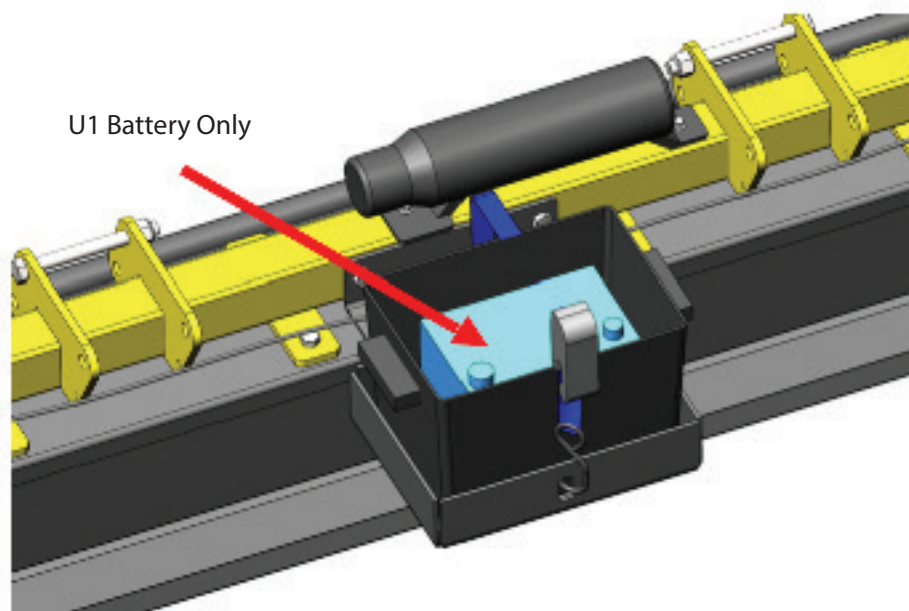
Note: There are wires connected to the lid, so do not try to fully lift the lid off. It is best to flip it forward onto the top of the magnet frame.

## Step 8

Remove the receiver and set on the ground. Be careful as wires are attached inside the box.

Install the battery in the battery box.

A group U1 battery is required for correct fitment into the battery box. Ensure you do not crush the sync controller or wires that are inside the box.





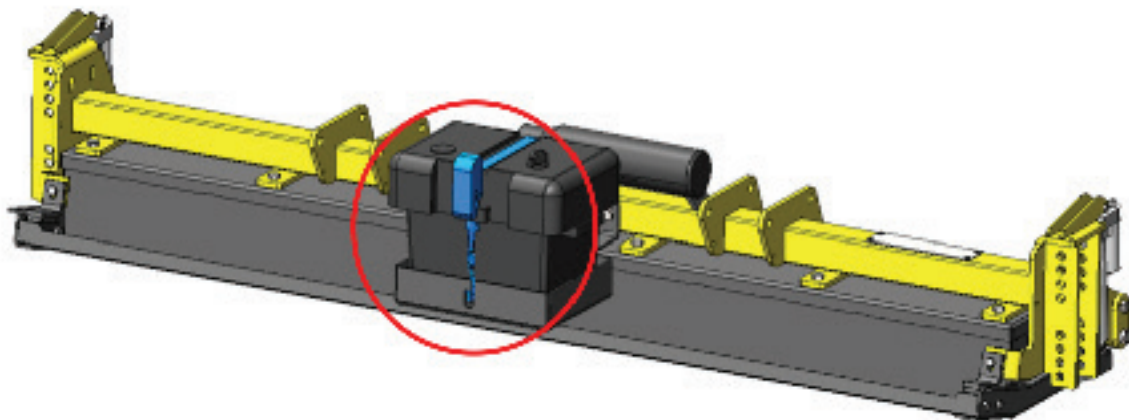
## Step 9

Make connections from the lid to the battery. Tighten the nut on (+) and (-) posts fully on both the battery and the lid.



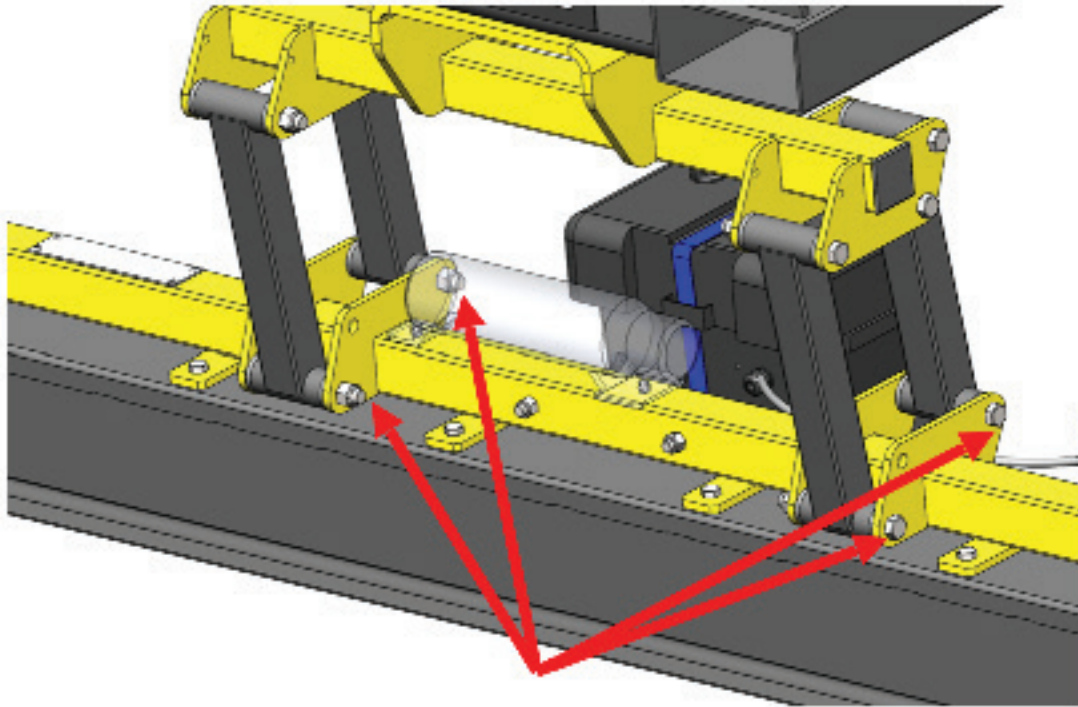
Once completed, place the lid on the battery box and secure with the ratchet strap. Do not tighten the strap down too much.

Note: Keep the receiver outside the box, it will be installed in the next few steps.



## Step 10

Attach the four Steel Suspension Links to Steel Lower Frame



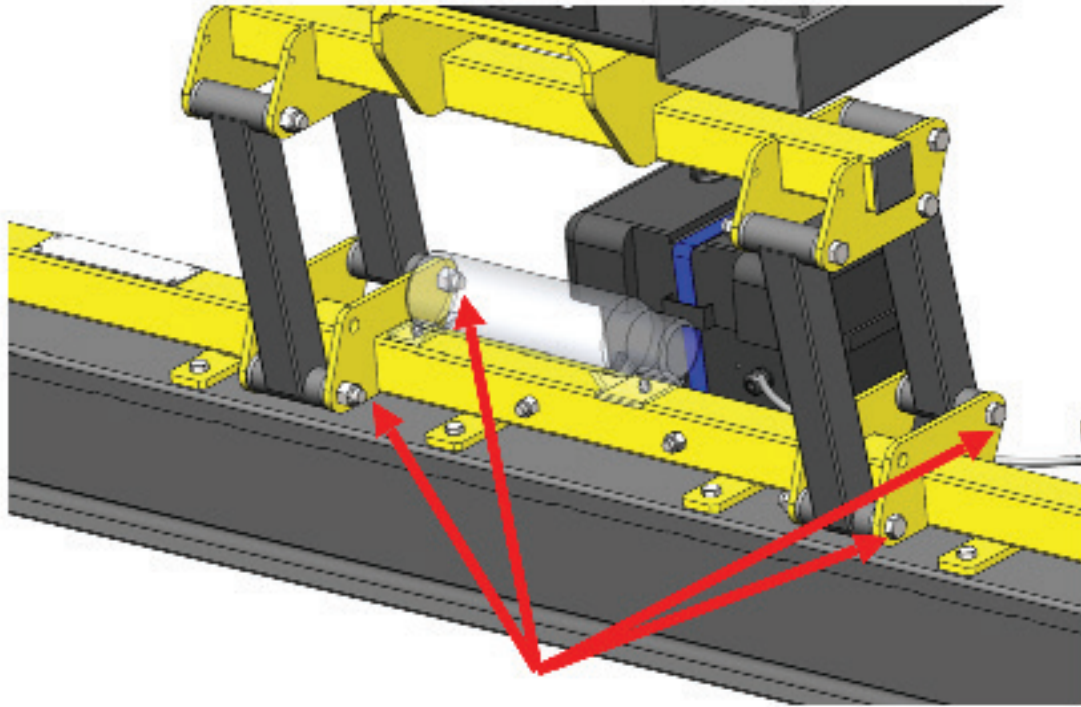
Using the forklift move the Steel Upper Frame Assembly overtop of the Steel Lower Frame Assembly that still sits on the pallet. - Attach the Steel Suspension Links (4 pcs) in the 4 outer hole locations in the Steel Lower Frame using 0.625" x 6" bolts (4 pcs) and 0.625" nyloc nuts (4 pcs).

Use 2pcs 15/16 wrenches.

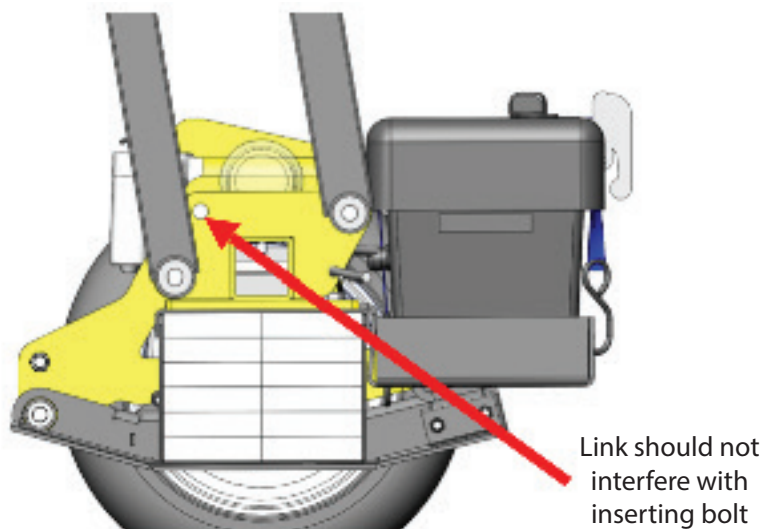
- Only tighten each bolt just enough so that the links can still pivot with very little force.
- This process will take some patience and manipulation of the Steel Upper Frame Assembly with the forklift.

## Step 11

Install the lower magnet stop bolts



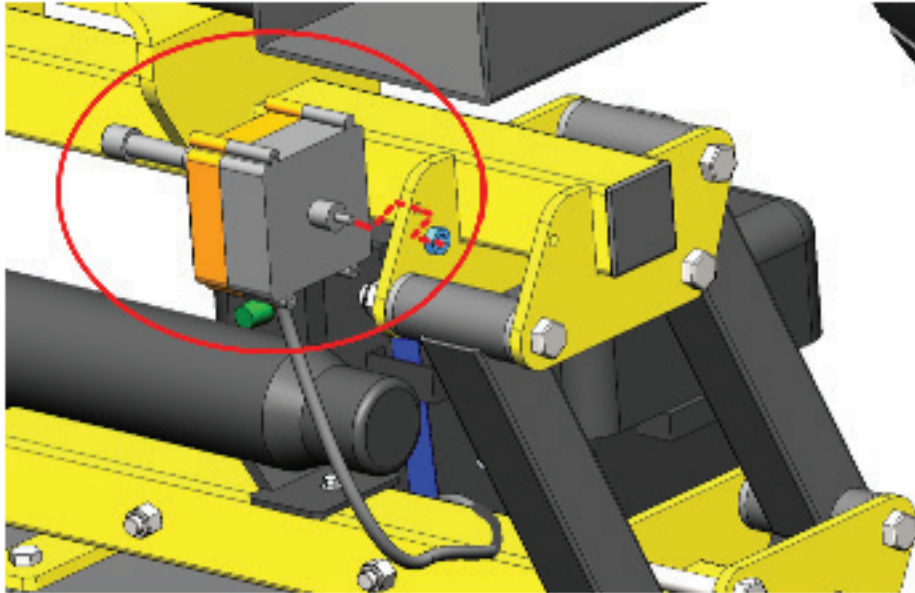
Using the forklift slightly move forward and lower the forks, enough to get the bolt in the holes freely. If you cannot insert the bolts, you must lower the forks more until the hole is clear. The illustration below should help with clarification.



## Step 12

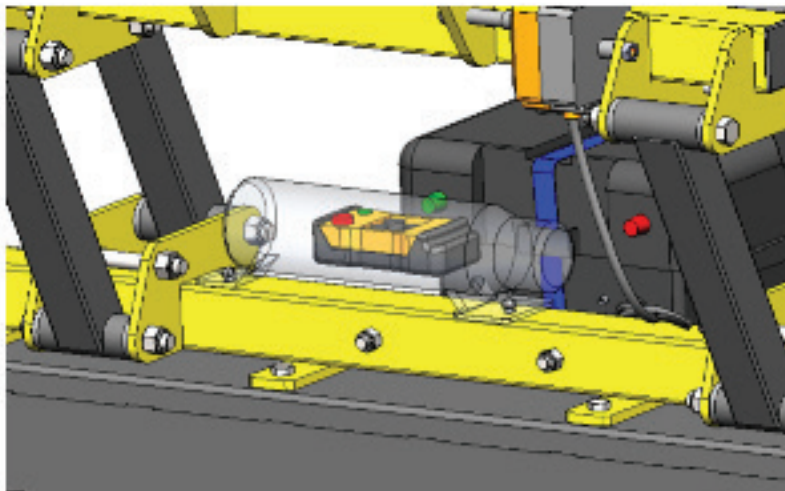
Install the wireless remote receiver.

The orange receiver allows up to 50meter range with the wireless remote.  
To attach the receiver, undo the nut on the receiver using a 10mm wrench.

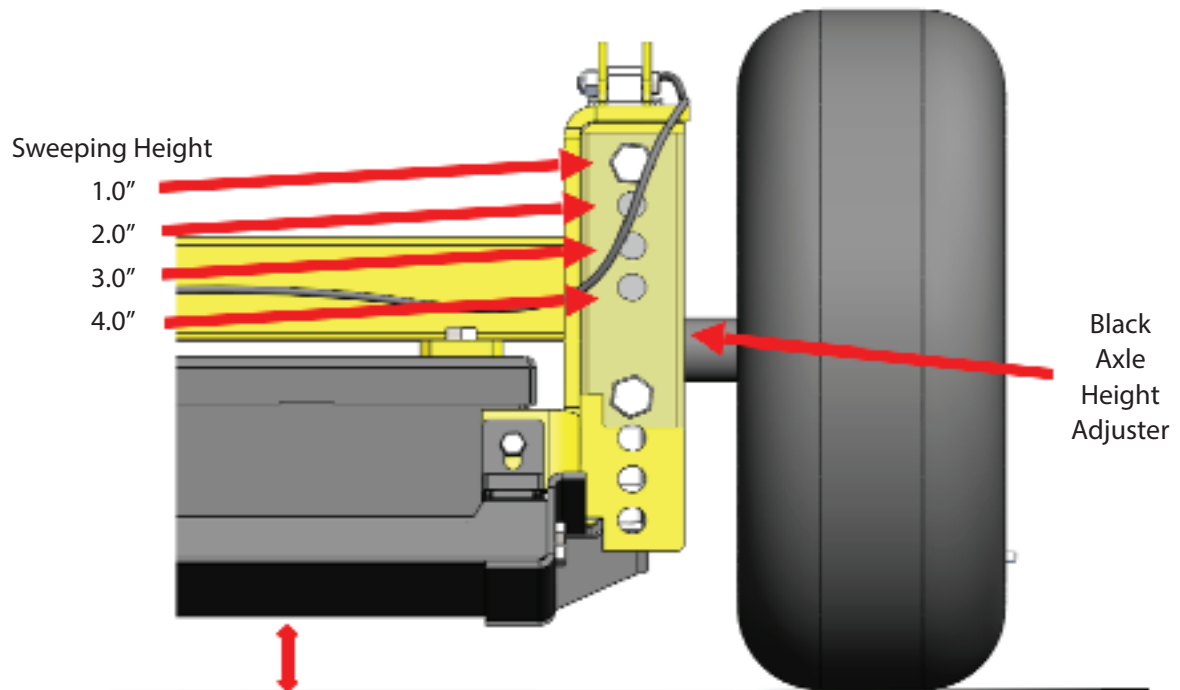


Install the receiver in the right-of-center hole in the upper steel frame (powder coated yellow). The cord should be facing downwards when installing the receiver as shown.

The remote is located inside the document holder from factory. You can store the remote in the vehicle you use the attachment on.



Information regarding setting magnet sweeping height



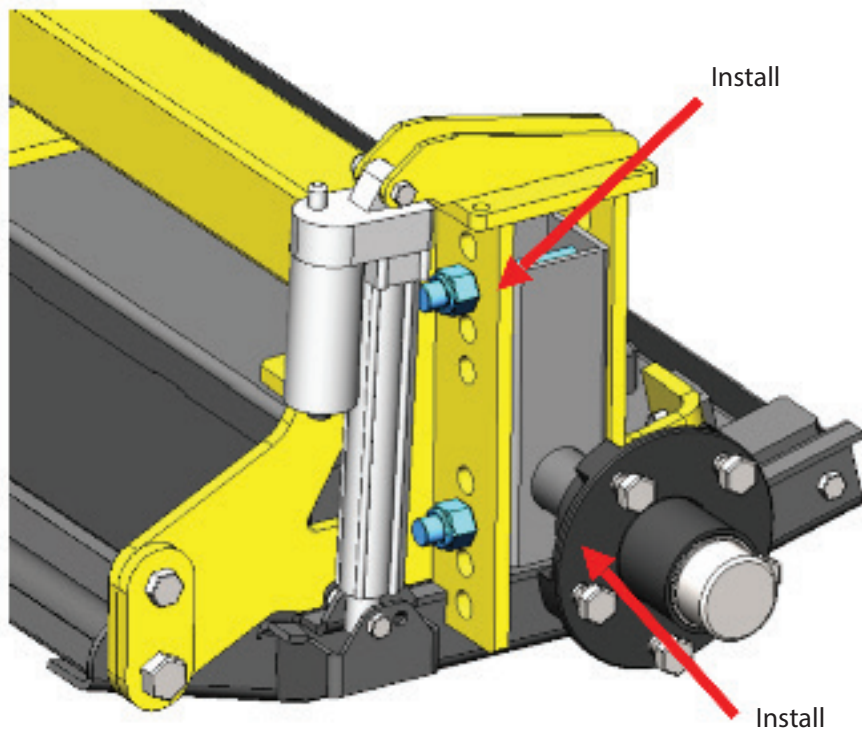
- Sweep Height refers to the distance from the ground to the bottom of the magnet
- The wheel assembly should be installed in the sweeping height position desired (see next page for illustration)
- Make sure that the two bolts go through the holes on the Black Axle Height Adjuster. It is possible to entirely miss the holes on the black axle assembly when adjusting the wheel height position.
- If the holes are missed, damage could occur, and the wheel can fall off the sweeper.

Note: Typically, a sweeping height of 2" or 3" is recommended for most surfaces. You can go lower if the area you are sweeping is extremely flat, or higher to 4" if the ground is uneven.

## Step 13

### Install Wheel to Set Sweeping Height

The orange receiver allows up to 50meter range with the wireless remote. To attach the receiver, undo the nut on the receiver using a 10mm wrench.

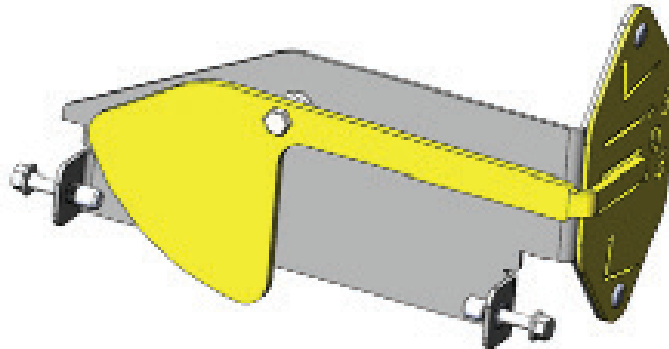


Using the forklift, lift the entire sweeper off the pallet approx. 4 to 6 inches So that is it easy to install the axle and hub assembly.

Note: The wheel itself is not shown in this assembly image for clarity. Tighten the 5/8 bolts fully on each end at the desired sweep height position. A sweep height of 2.0" is shown in the above illustration.

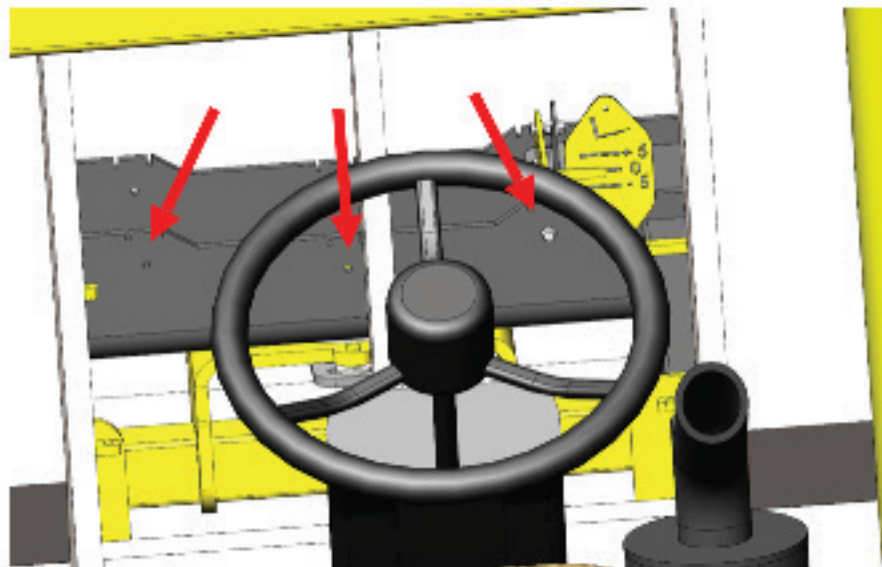
## Step 14

Install the level indicator



The level indicator comes premade and allows the operator to know when the attachment is operating parallel to the ground. There are 3 references on the indicator, 5degrees- tilted up, 0 degrees, and 5 degree- tilted down. The sweeper attachment should never be operated outside these bounds. Keeping the attachment level is always best practice.

The level indicator should be in the line of sight of the operator. There are three holes to choose from when mounting the indicator on the fork pocket frame. Use the supplied 1/4" flange bolts to fasten it to the fork pockets. Choose one that is easiest for the operator to view. In the illustration below, the indicator is installed on the rightmost hole.



# Complete

The assembly of your Nova Magnetic Sweeper is now complete.

