

Assembly Installation Operating and Maintenance Instructions



Bluestreakequipment MAGNETICS
APPLICATION DRIVEN DESIGN

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



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Safety

Accidents can be very costly to human life and property. The operator is the #1 safety device on all types of vehicles or equipment, it is important that the operator read, learn, and know all safety recommendations for this product. The user is responsible to their family, friends, and co-workers to operate in a safe manner. Ensure that everyone who operates or assists in the operation or maintenance of this product read and understand all the elements required to safely operate this piece of equipment. This attachment has moving parts that include additional dangers.

Never use drugs or alcoholic drinks when operating or servicing this piece of equipment.

Always wear the proper personal protection equipment when servicing or operating this piece of equipment. Never service or operate this attachment with bare feet, sandals, or other light footwear.

Keep limbs clear of the sweeper while raising and lowering the magnet.

If working on public roadway, display a Slow-Moving Vehicle emblem per your local regulations. Turn your flashers on.

Operate only during daylight or well-lit artificial light.

Store this sweeper in an area not frequented by children.

Allow no riders on this trailer. Keep all bystanders clear of attachment during operation.

Always replace worn, torn or missing safety decals before operating.

Before and after each operation of this trailer, check all hardware (bolts, nuts, pins, etc.) for their proper location and tightness.

Speed Kills! Operate this trailer at a safe working speed. When transporting the trailer, keep a safe speed to avoid losing control of the trailer or prime mover.

Keep proper clearance between the trailer and objects (utilities, tree stumps, large rocks, buildings, etc.). Contacting these objects with the trailer or prime mover could cause a loss of control or damage to the trailer or property.

Vehicle requirements

The tow vehicle must be equipped with a pintle hook to accept a 2.5" ID pintle ring

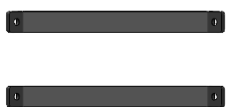
Unpacking your Shipment



Seeker as shipped on pallet with
wrap and banding removed



Sweeper Assembly (1pc)



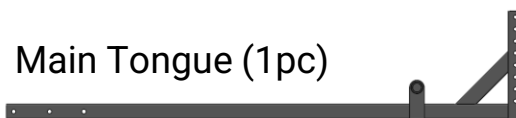
Tongue Struts
(2pcs)



Pintle Ring with
safety chains
installed



Jack (1pc)



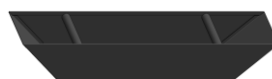
Main Tongue (1pc)



Safety Flags (2pcs)



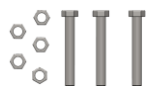
Bucket Shelf (1pc) with
Bungie cords (3pcs)



Debris Tray
(1pc)



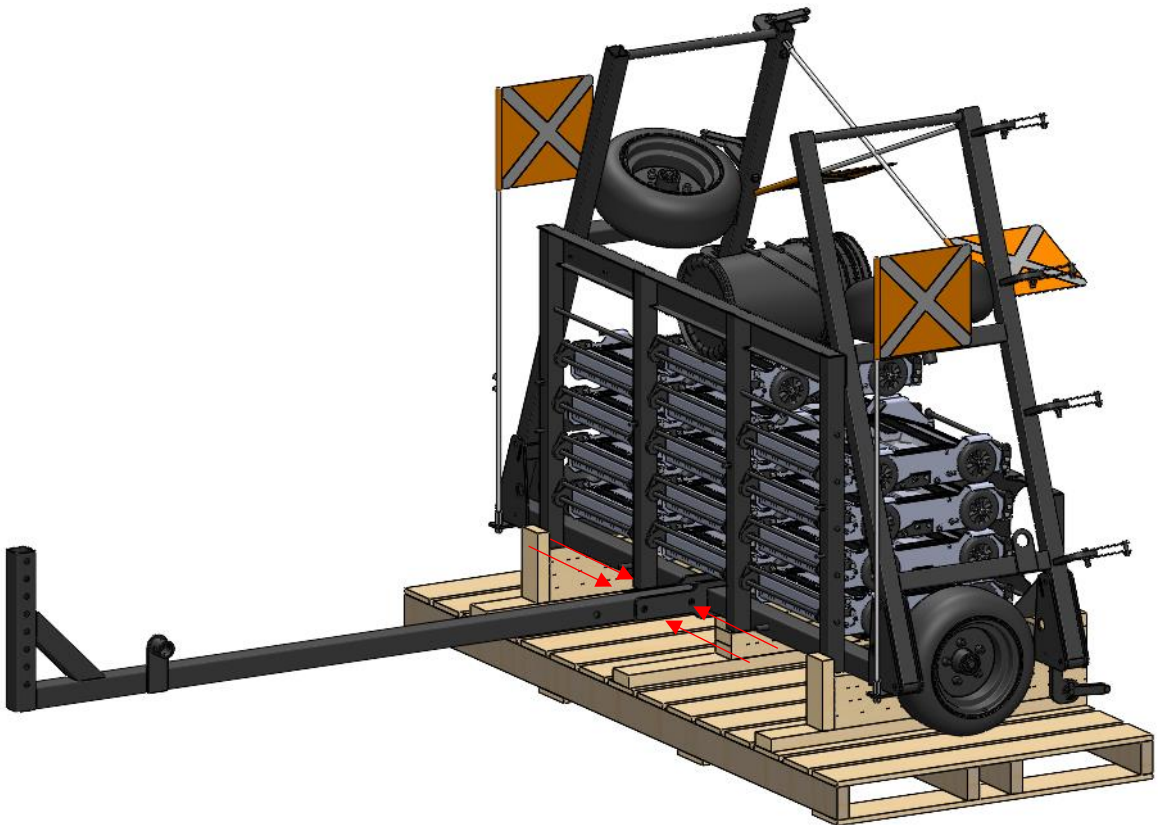
Buckets with
Lids (2pc)



Fasteners
(20pcs)



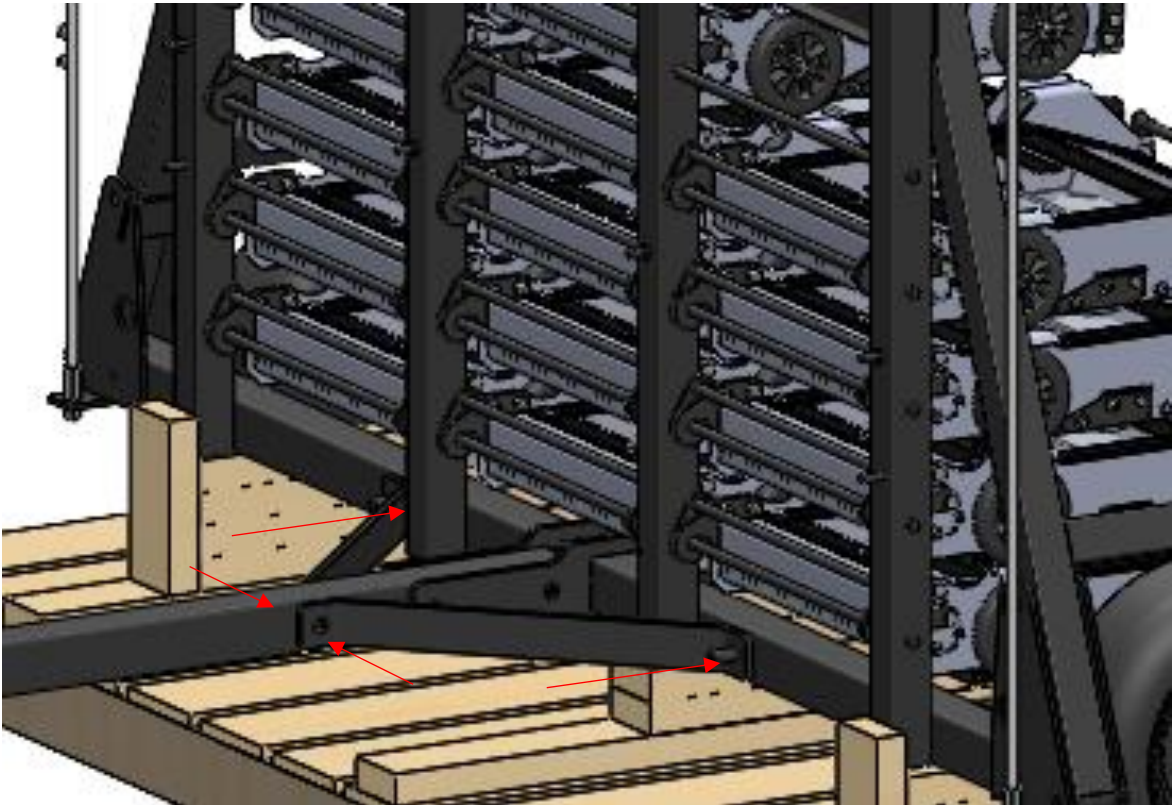
Assemble Seeker Airdrag



1. Bolt tongue to sweeper with 2pcs 5/8" x 4.5" bolts and nyloc nuts. Do not tighten



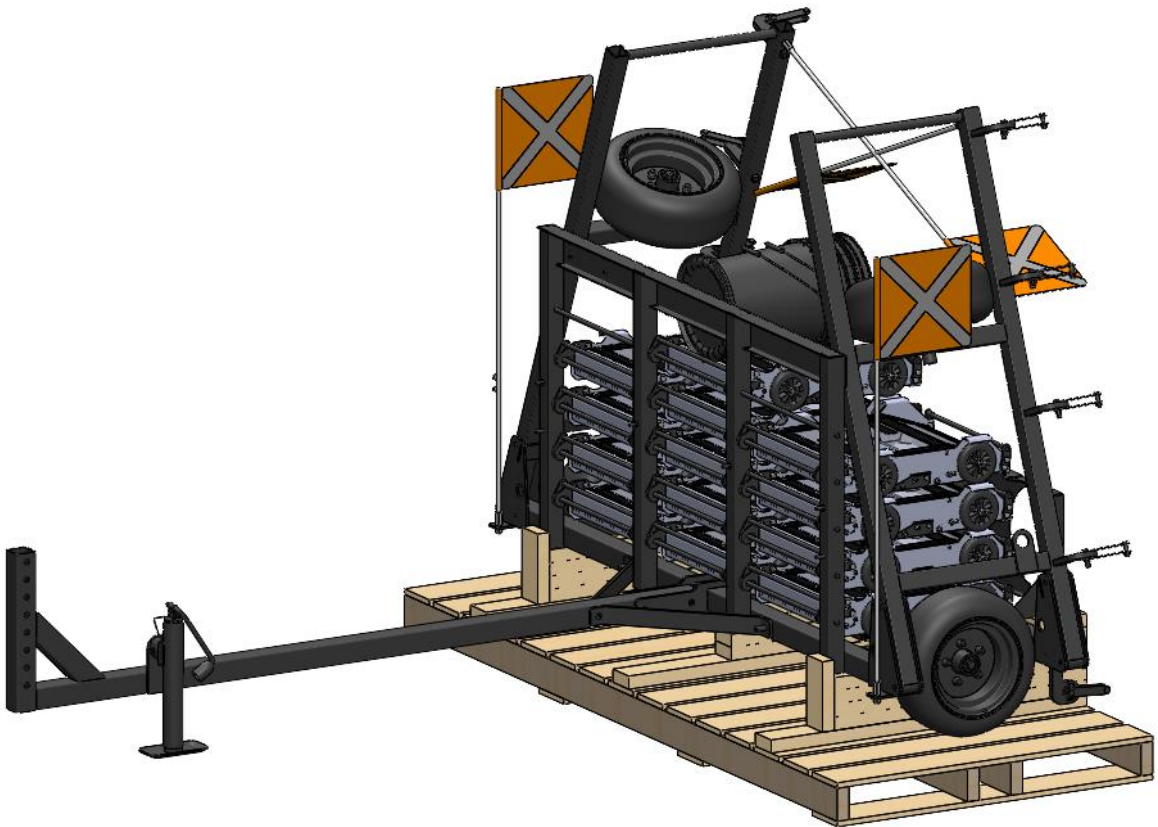
Assemble Seeker Airdrag



2. Bolt tongue struts to frame using 2pcs 5/8" nyloc nuts
3. Pivot struts and bolt to tongue using 5/8" x 4.5" bolt and nyloc nut
4. Tighten all bolts



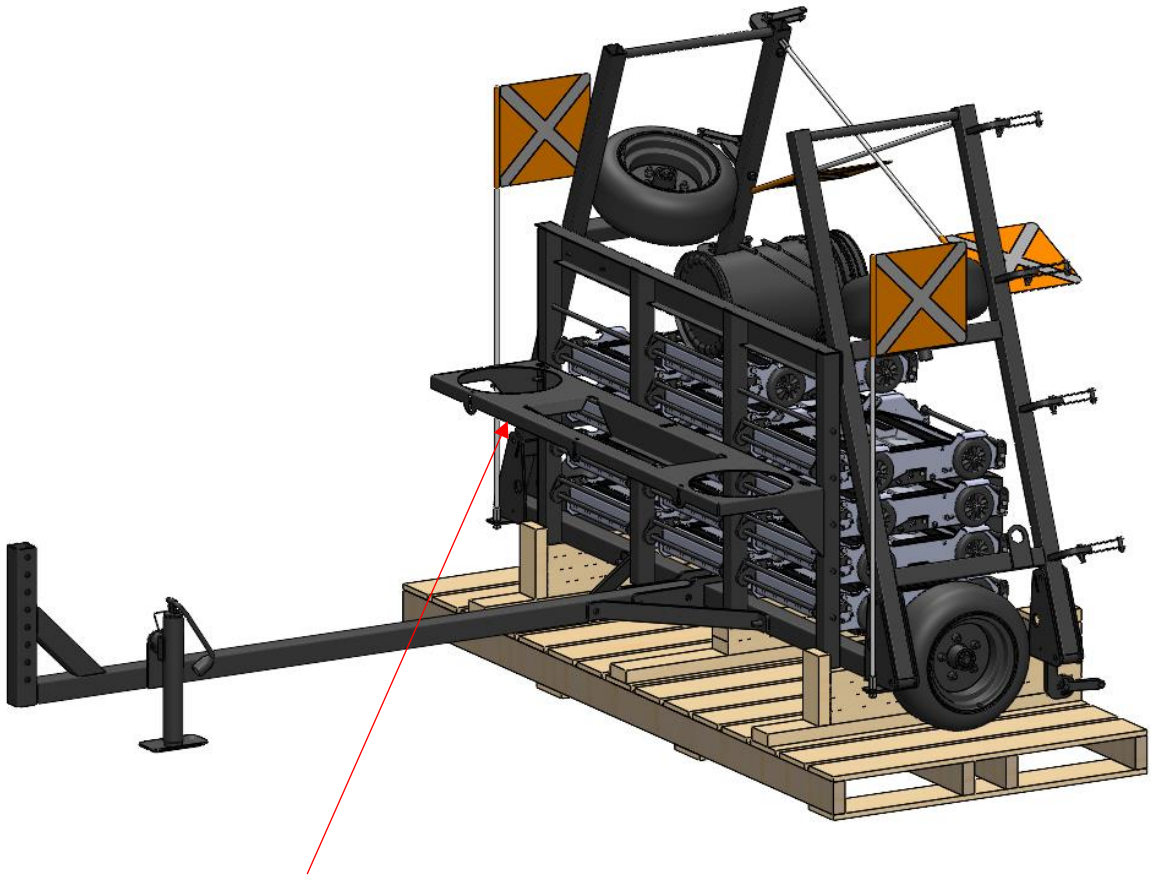
Assemble Seeker Airdrag



5. Install jack stand on tongue
6. Rotate jack stand to vertical position and install spring pin.



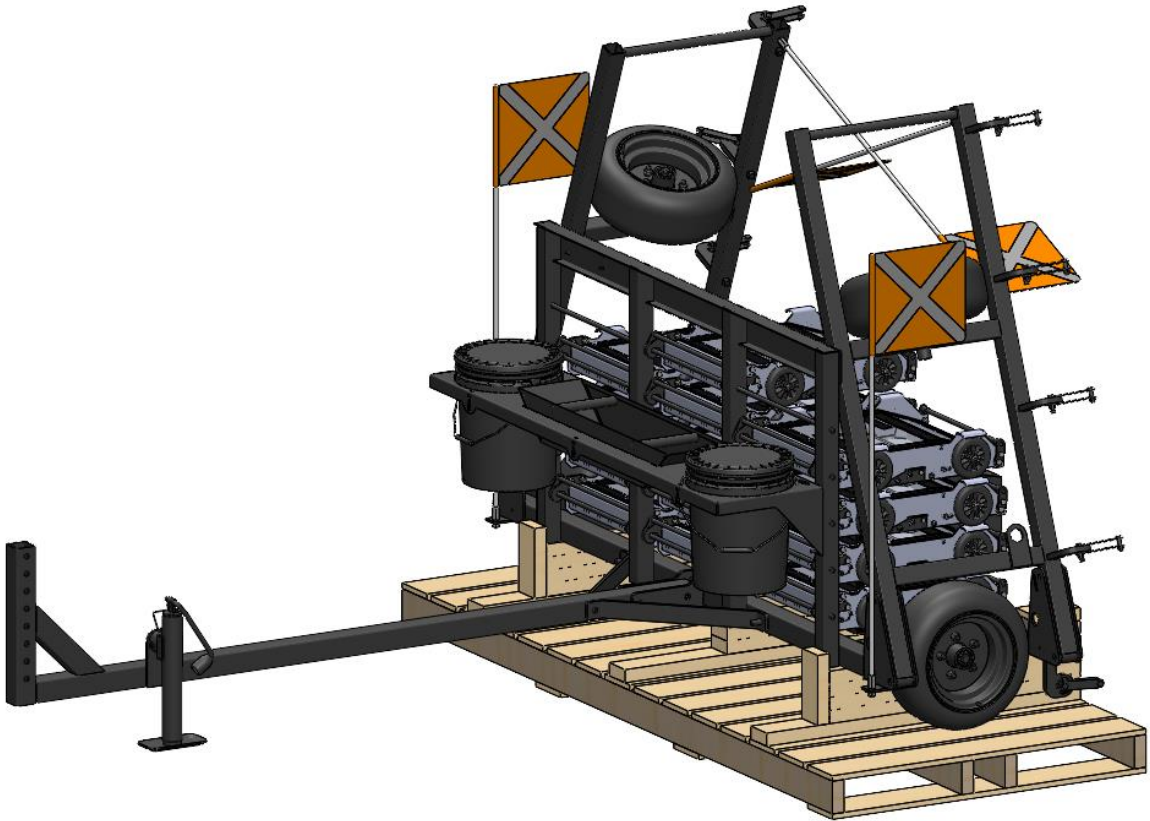
Assemble Seeker Airdrag



7. Install bucket shelf using 6pcs 3/8" nyloc nuts



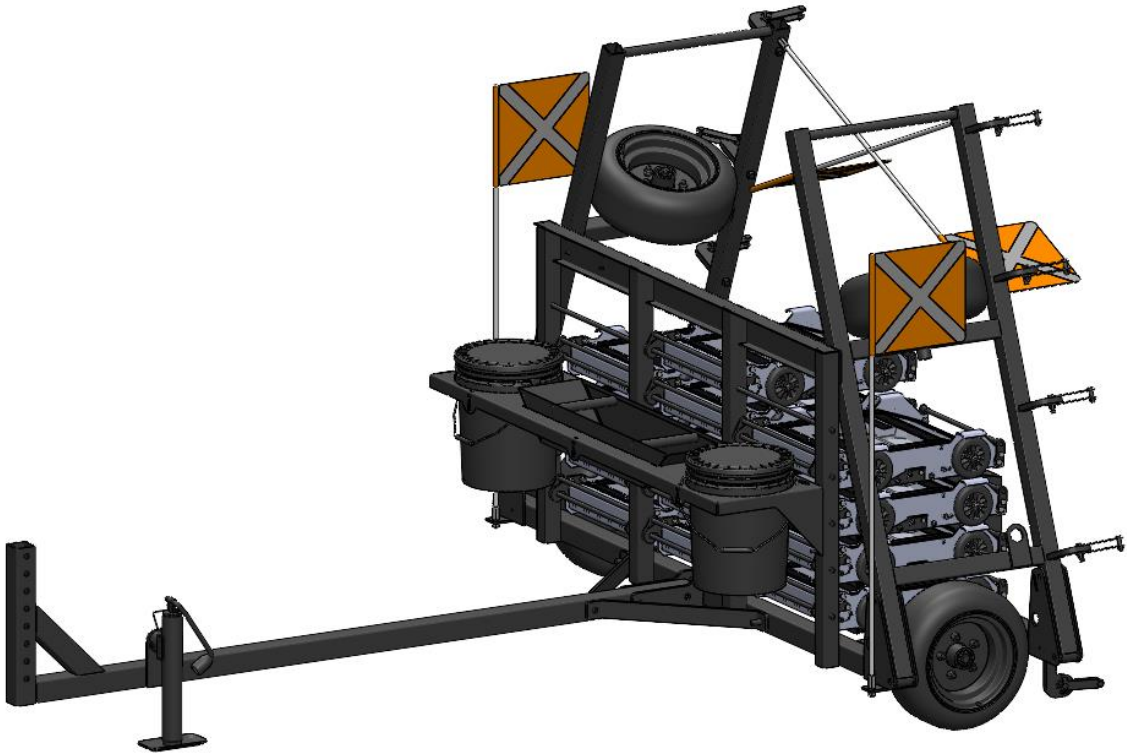
Assemble Seeker Airdrag



8. Put 2pcs buckets and 1pc debris tray in bucket shelf and secure with provided bungee cords



Assemble Seeker Airdrag



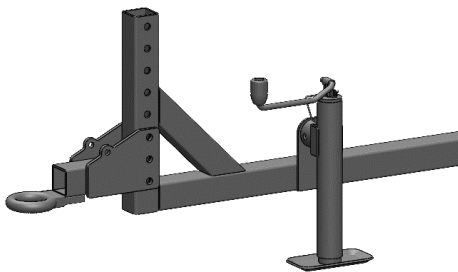
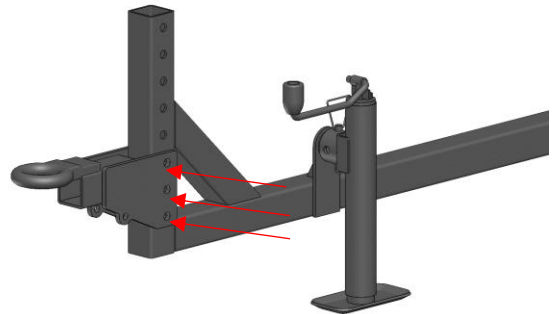
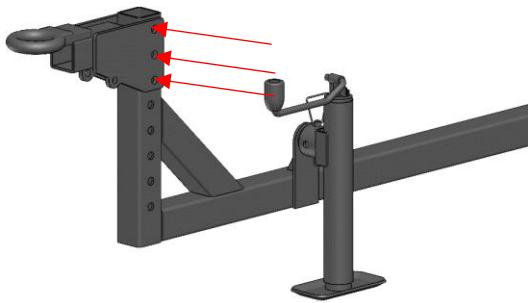
9. Raise the sweeper from the pallet using a forklift.
10. Place sweeper on the ground and remove from forklift.



Installing the Seeker Airdrag

Connect the sweeper to the tow vehicle

1. Install the pintle ring on the tongue with 3pcs ½" x 4" bolts and nyloc nuts. Ensure that the tongue is as level as possible. This can be adjusted by changing the mounting position of the pintle ring on the tongue.



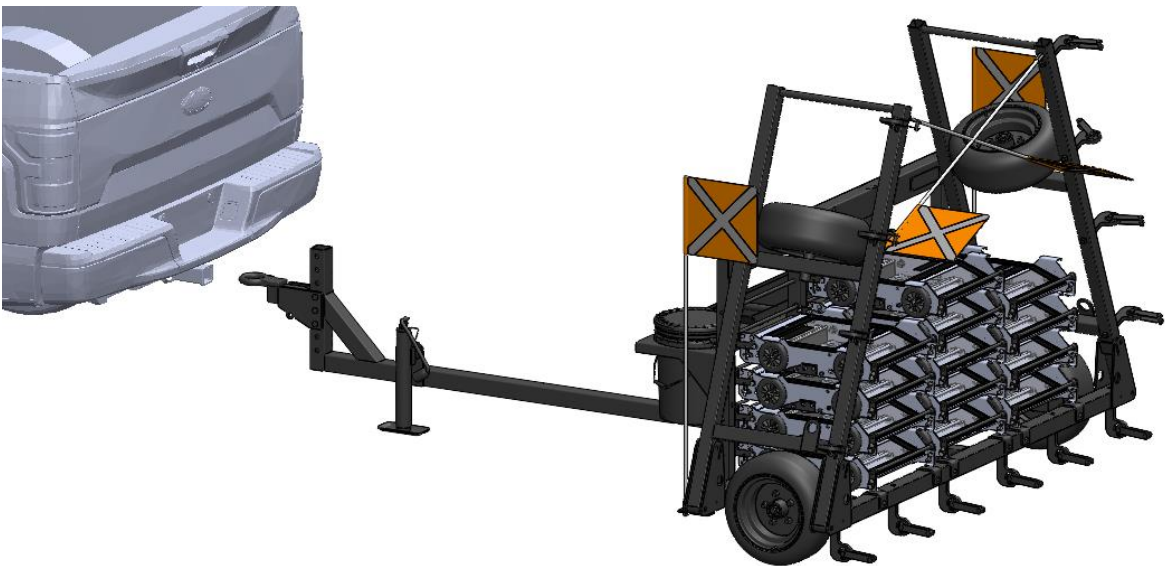
Note: the pintle ring can also be installed upside down



Installing the Seeker Airdrag

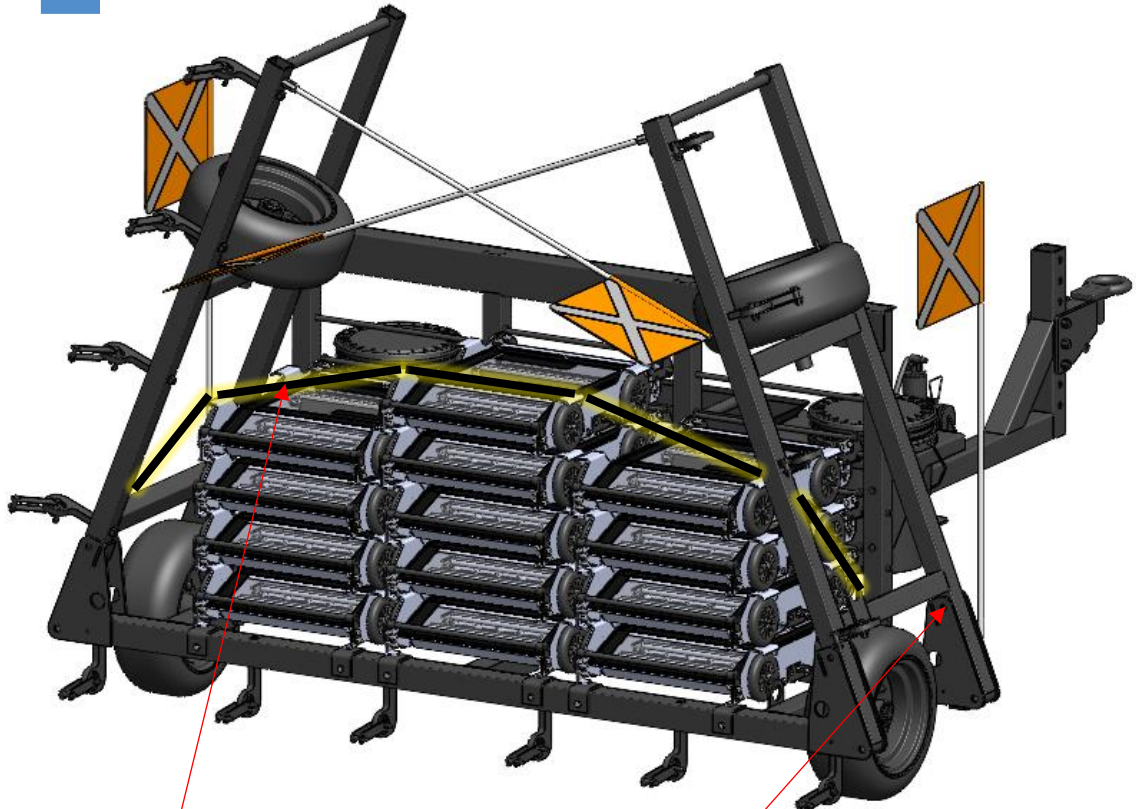
Connect the sweeper to the tow vehicle

1. Reverse the vehicle to line up the pintle hook and the pintle ring
2. Once the pintle ring is over the hook, lower the ring using the jack stand, then close and secure the hook
3. Clip on the safety chains
4. Raise the jack stand and move it to the horizontal position by removing and reinstalling the spring pin

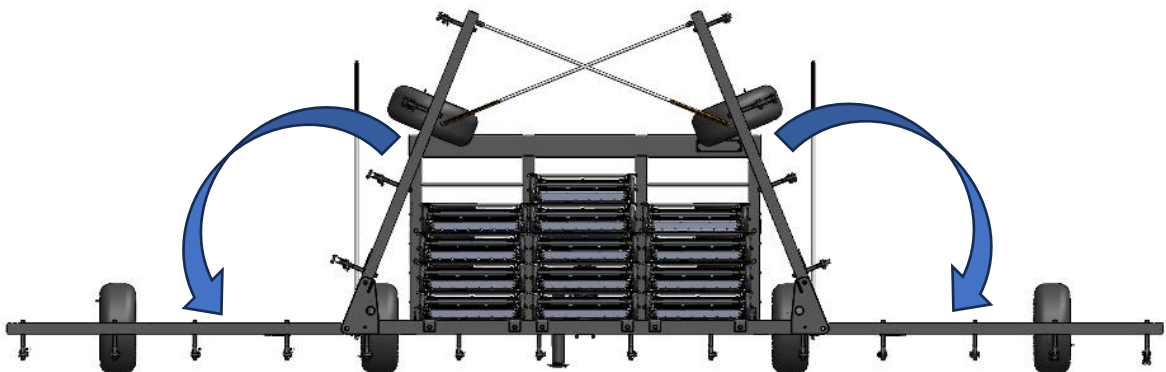




Operating the Seeker Airdrag



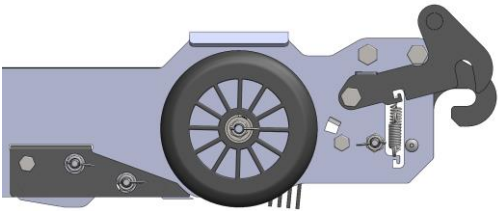
1. Loosen and remove strap
2. Remove one hitch pin from each wing



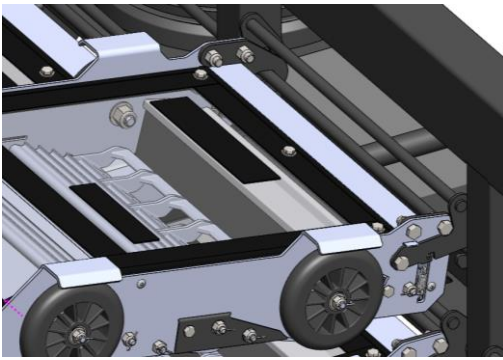
3. Unfold wings



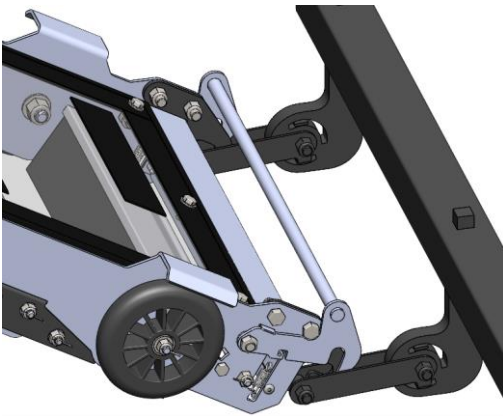
Operating the Seeker Airdrag



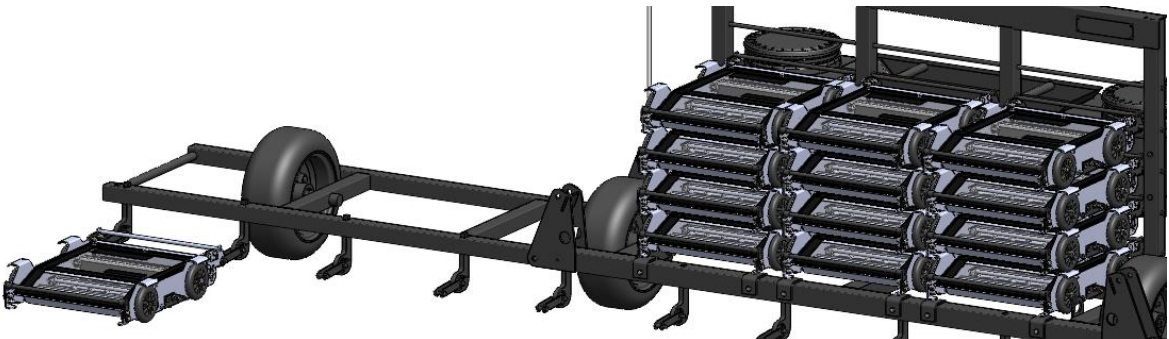
4. Pull up latch bar at front of pod



5. Unclip sweeper pods from storage rack and clip to sweeper links



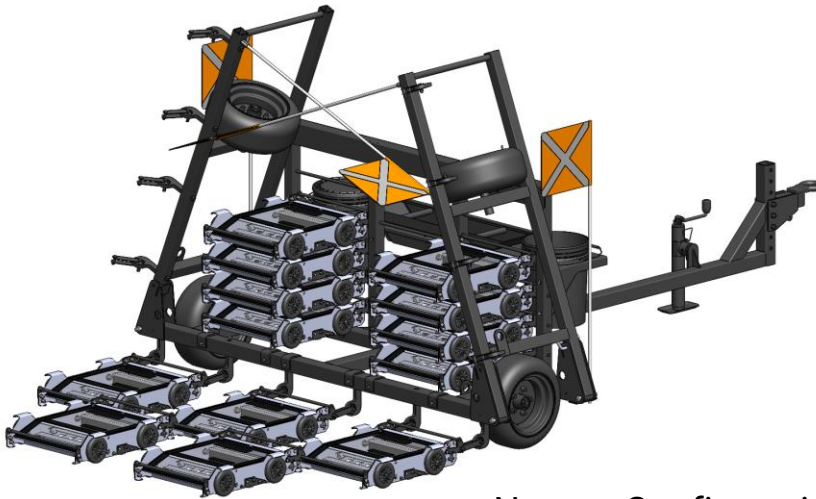
6. Clip sweeper pod to links on trailer



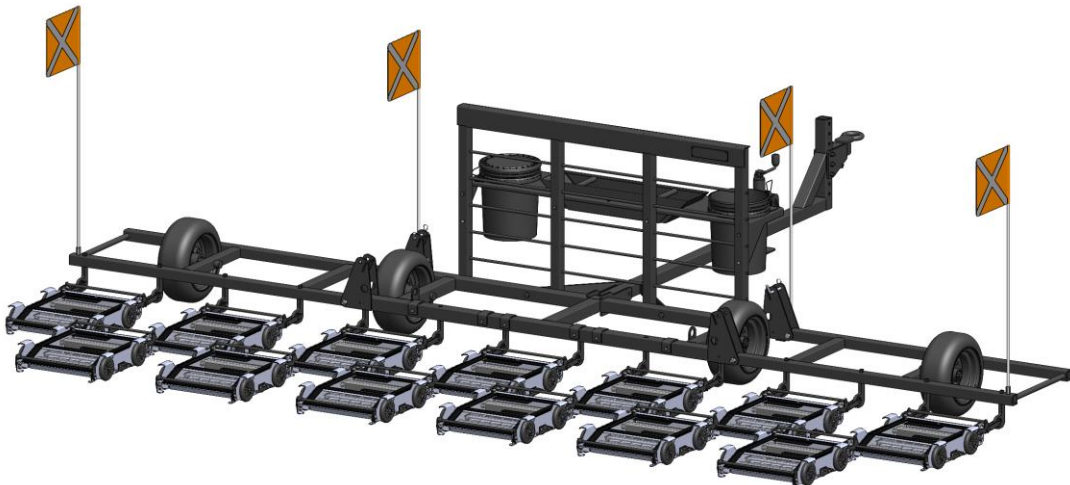


Operating the Seeker Airdrag

The Seeker Airdrag can be operated in wide or narrow configurations. All pods can be deployed for faster sweeping or the center five can be used in tighter spaces.



Narrow Configuration



Wide Configuration



Operating the Seeker Airdrag

Sweeping

The Seeker Airdrag is effective at speeds from 15km/h to 40km/h (9mph to 25mph).

To extend effective sweeping time it is recommended to use the Seeker Airdrag with the Seeker Airmag. The Airmag will collect magnetic debris before it has a chance to get to the Airdrag bins, saving space for non-magnetic debris. The sweeper should be used at lower speeds if it is going to be used in conjunction with the Airmag.

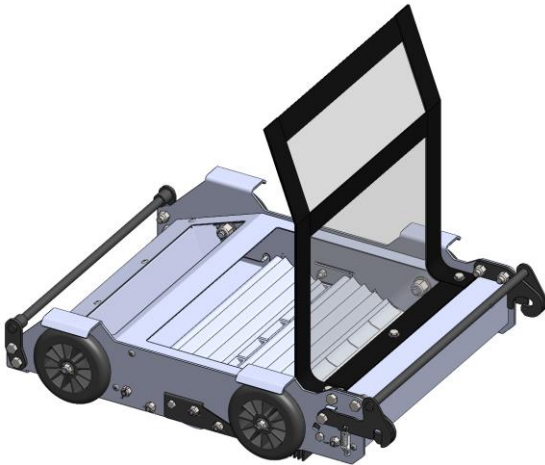
The replaceable ramp tips can get caught on obstacles and damaged. When possible, avoid large bumps such as protruding fuel caps, inset lights, grates, manhole covers, and sealed cracks when sweeping.





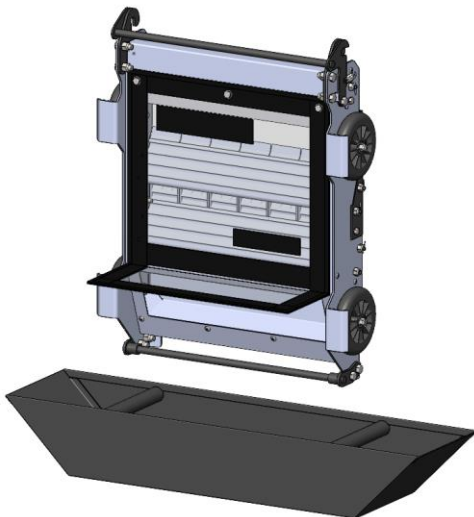
Operating the Seeker Airdrag

Cleaning Out Collected Debris



Method 1

Open sweeper pod and vacuum out collected debris.

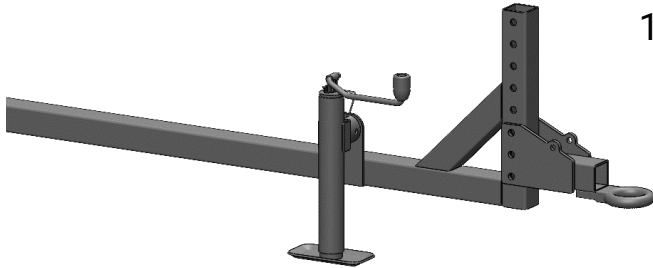


Method 2

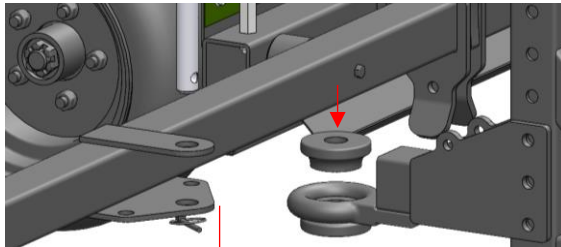
Unclip pods from sweeper and dump collected debris into debris tray. Debris tray can then be used to fill debris buckets.



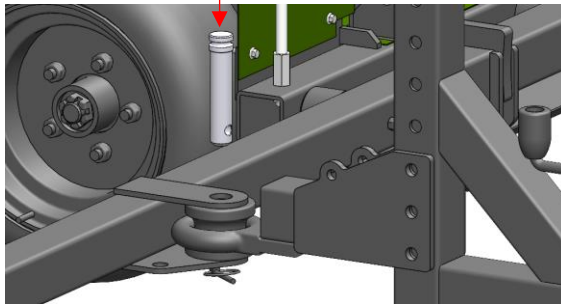
Linking to Seeker Airmag



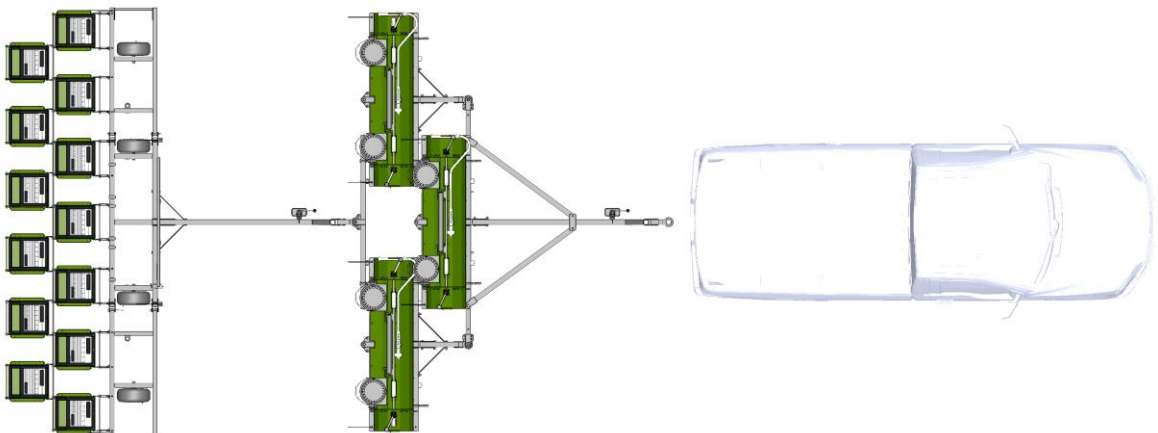
1. Bolt pintle assembly to bottom position of tongue as shown



2. Place pintle expander in Airdrag trailer pintle



3. Pin Seeker Airdrag to Seeker Airmag through pintle expander and connect safety chains.





Maintenance and Storage



There are grease zerks on each wheel hub of the Seeker Airdrag

Each Use (before and after)

Check that all fasteners are in place and tight

Every Month

Inspect wear on pod wheels, ramp tips, and brushes, replace if necessary

Grease the wheel bearings as shown above.

Each Year

Inspect wear on tires, replace if necessary

Inspect for scratches in paint and touch up as necessary to prevent rusting.

Inspect for loose or worn parts that will need replacement

Storage

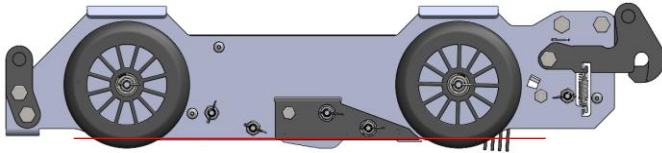
If the sweeper will not be used for extended periods it is recommended to store it in a dry place or under a tarp if it will be stored outdoors.

Stow sweeper pods on storage rack and fold wings up



Maintenance and Storage

Replacing Ramp Tips



Front tip

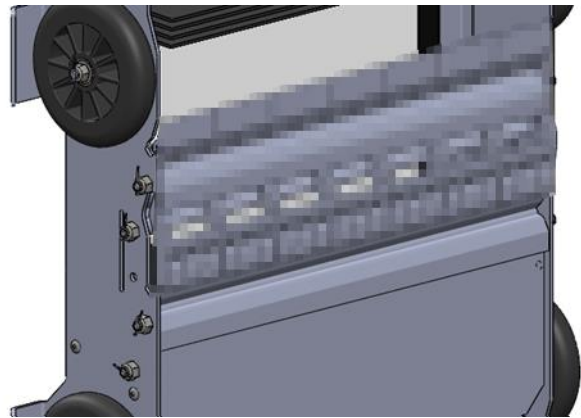


Rear tip

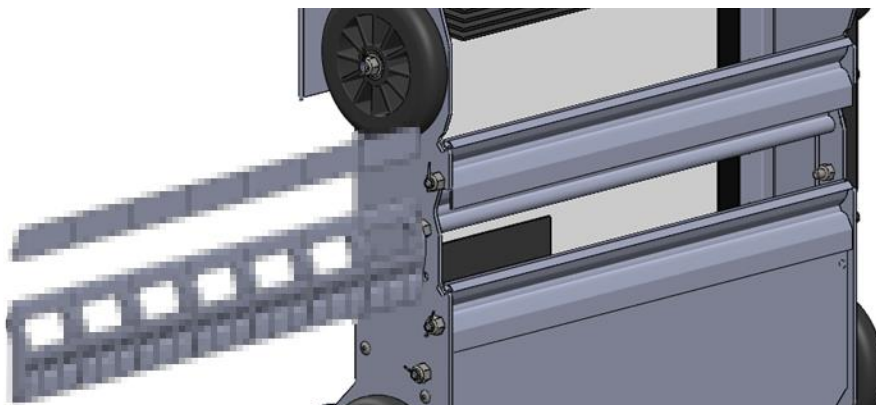
Replace the ramp tips if they do not extend below the steel frame



Stand up pod



Remove side cover as shown

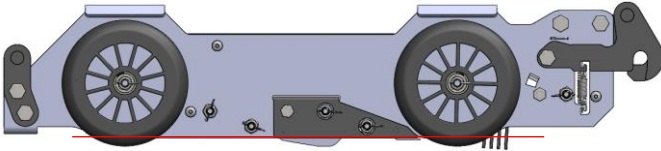


Remove used ramps tips, replace with 14 new pieces, and bolt side cover back in place

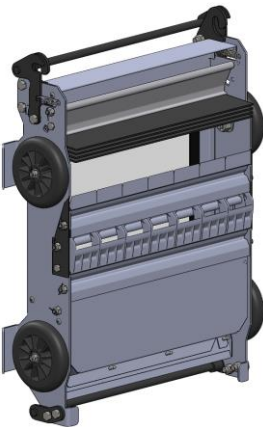


Maintenance and Storage

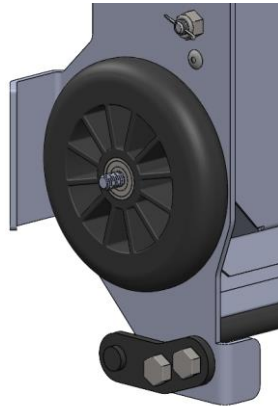
Replacing Pod Wheels



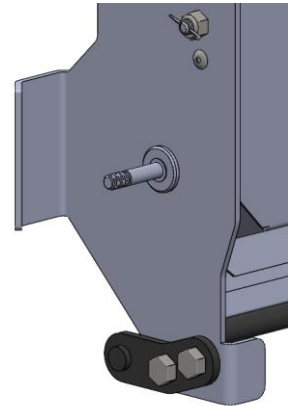
Replace the pod wheels if they do not extend below the steel frame. To ensure sweeper effectiveness always replace wheels as a set.



Stand up pod
as shown



Remove cotter pin
and wheel nut



Remove wheel

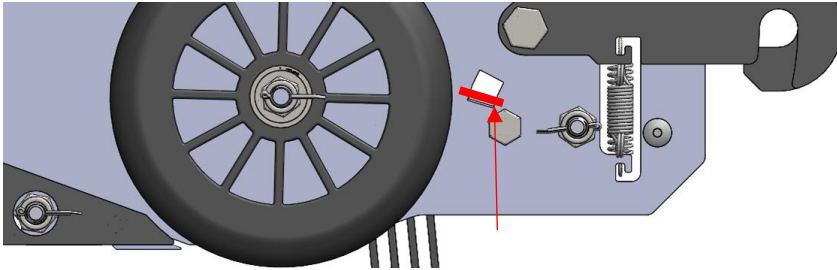


1. Bolt on four new wheels.
2. Do not overtighten nuts.
3. Install new cotter pins.

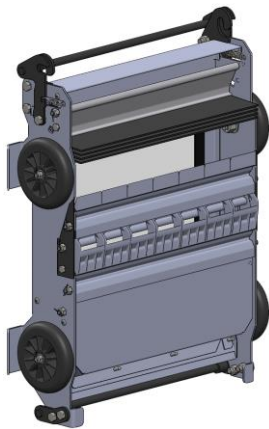


Maintenance and Storage

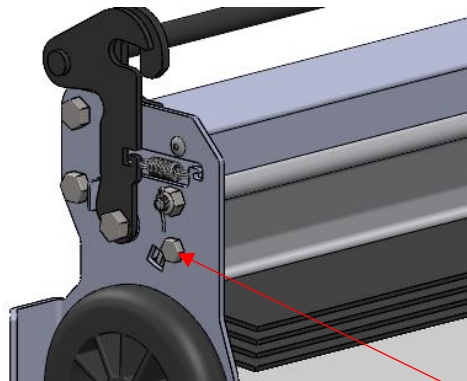
Replacing Brushes



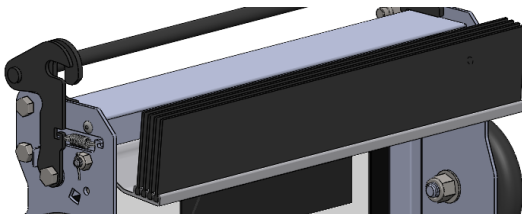
Replace the brush strips if the brush arm sits at the bottom of the indicator window



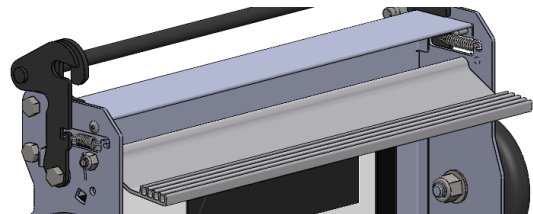
Stand up pod as shown



Remove brush pivot stopper bolt



Pivot brush arm up



Slide brush strips out of arm

Insert four new brush strips and replace stopper bolt