



PLOW UNBOXING INSTRUCTIONS

WORK INSTRUCTIONS

Rev	Release Date	Author	Changes or Comments	Approved by
A	11/01/2019	TJC	Initial Release	

Tools Needed:	2 fork trucks				
	Wrenches/Socket				
	Impact Gun				

SAFETY PROTECTION: Eye Protection, Gloves

Note:	Be sure items are secured when lifting or transporting any items.
Note:	

Step 2

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Use a strap rated for 3,000 lbs or greater to ensure safe lifting and hoisting of any items in order.

Step 3

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First unload Shank and Main frame from shipping container.

Step 4

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Start assembly with the Main Tube.

Step 5



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Locate your two Plow Wheels/Tires with the spindles. Remove nut/bolt from Spindle Sleeve on the plow.

Step 6

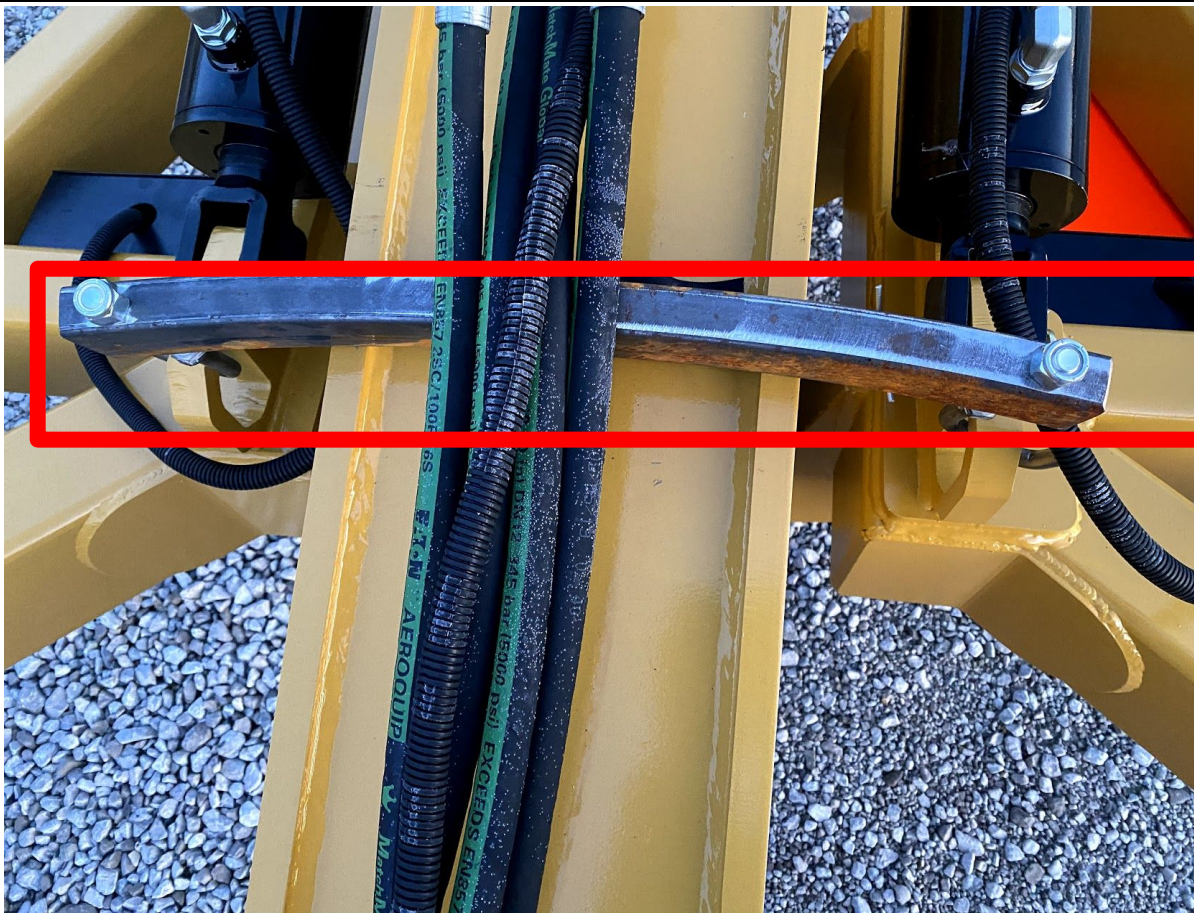
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Slide Wheel Spindle in sleeve and use nut/bolt to secure wheel to Main Tube Assembly, do this with both wheel/tires.

Step 7

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Once Wheels are secured remove Wheel Frame Brace, it will no longer be needed.

Step 8



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Lift the back part of the Main Tube and remove the Big Nut/Bolt.
Place block of wood under MainTube when setting it back down.

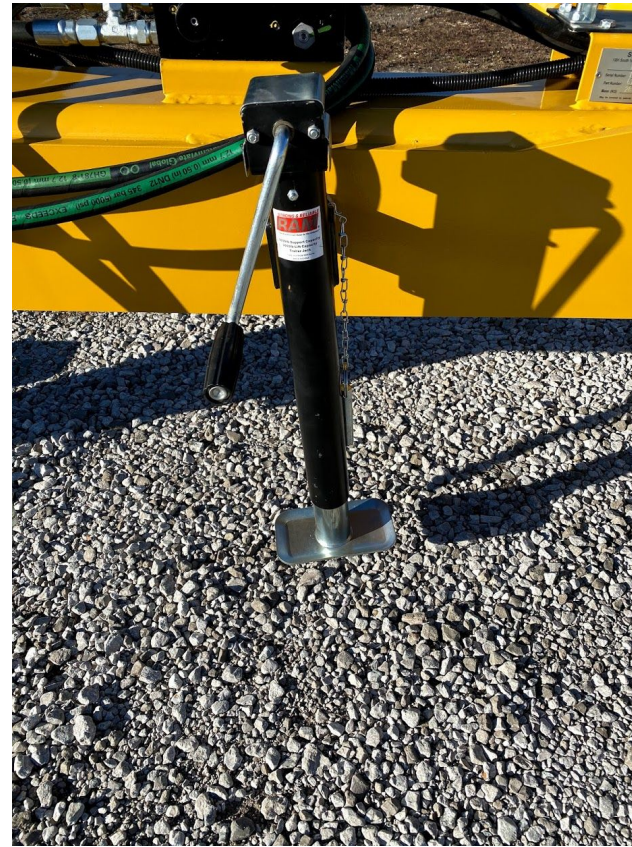
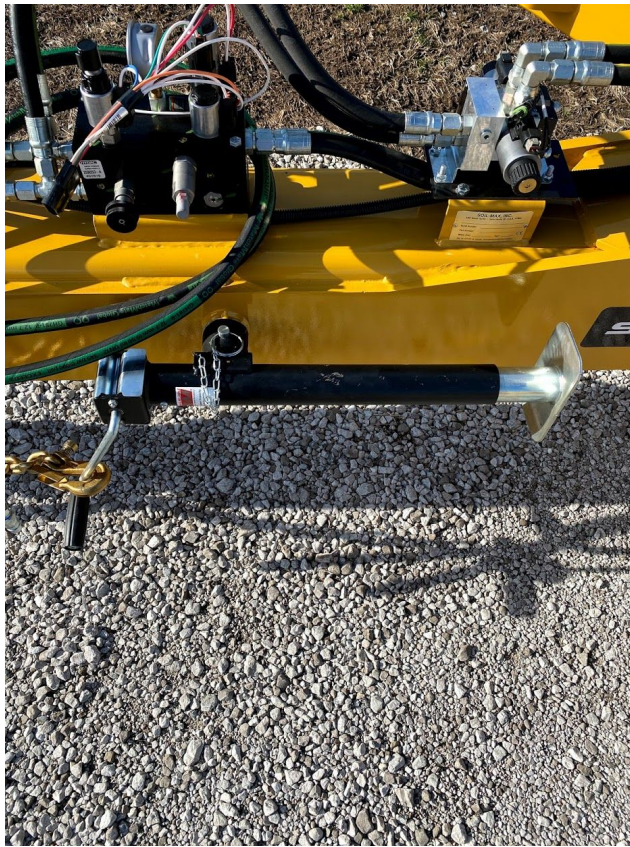
Step 9



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Remove rigging from the cylinder pin. Be sure to leave the block of wood holding the cylinders up.

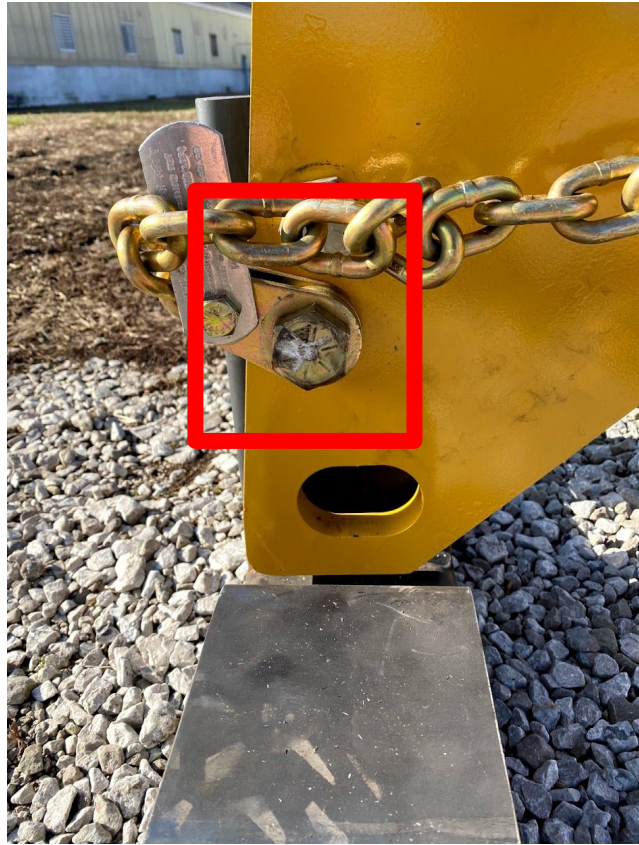
Step 10



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Use jack to lift up front of the plow.

Step 11



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Take off the front nut/bolts, keep these close by. Be careful the main tube does not fall after removing rigging.

Step 12



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Once rigging is removed install your clevis and tow pin. Match up the holes and use previous uninstalled nut/bolts to put back on.

Step 13

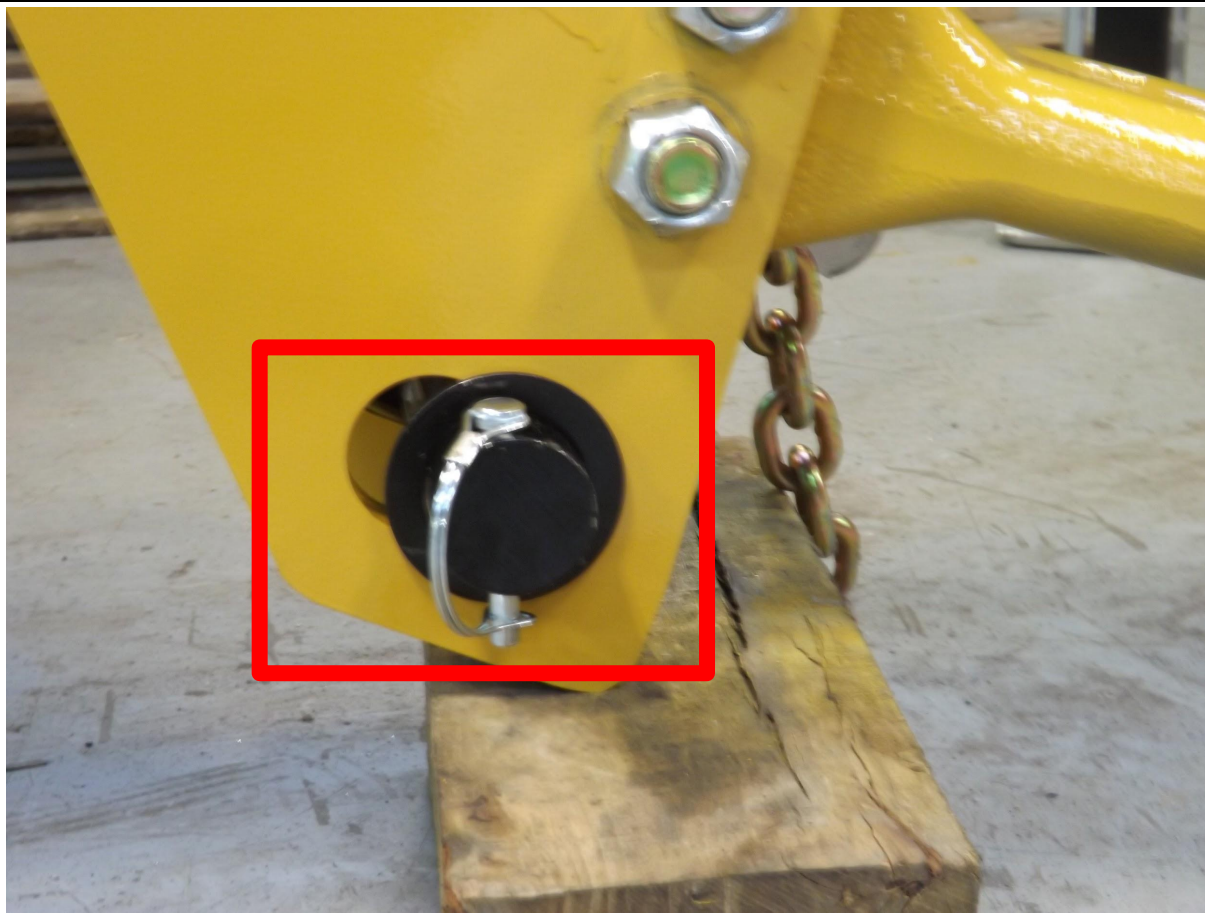


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Be sure to tighten nuts and bolts. Check to make sure hitch is not installed upside down.

Step 14

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Install the Tow Cable Pin at the bottom of hitch, and use lock pin to secure Tow Cable Pin.

Step 15

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Secure plow to tractor to prevent the tongue from moving, when Wheel Frame is lifting up.

Step 16

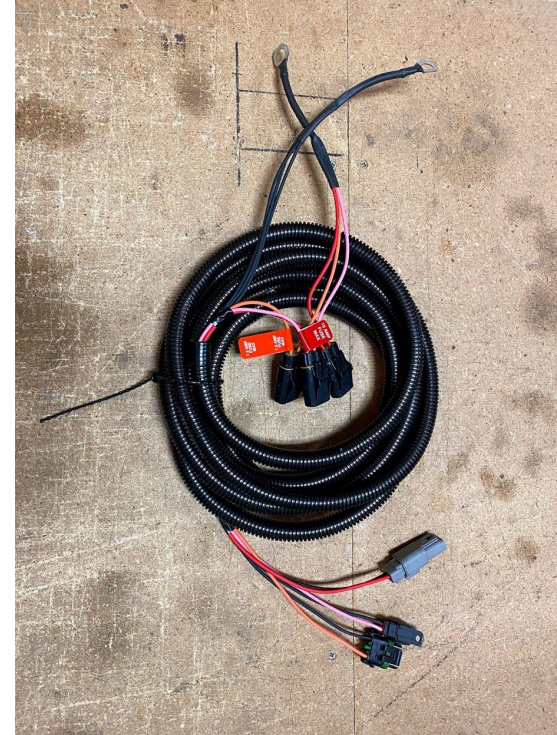
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Plug in Hydraulics to a tractor.

Step 17

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Locate the Plow Controller and the Power Wire Harness located in the 4100475 plow kit, they are needed to lift the Wheel Frame.

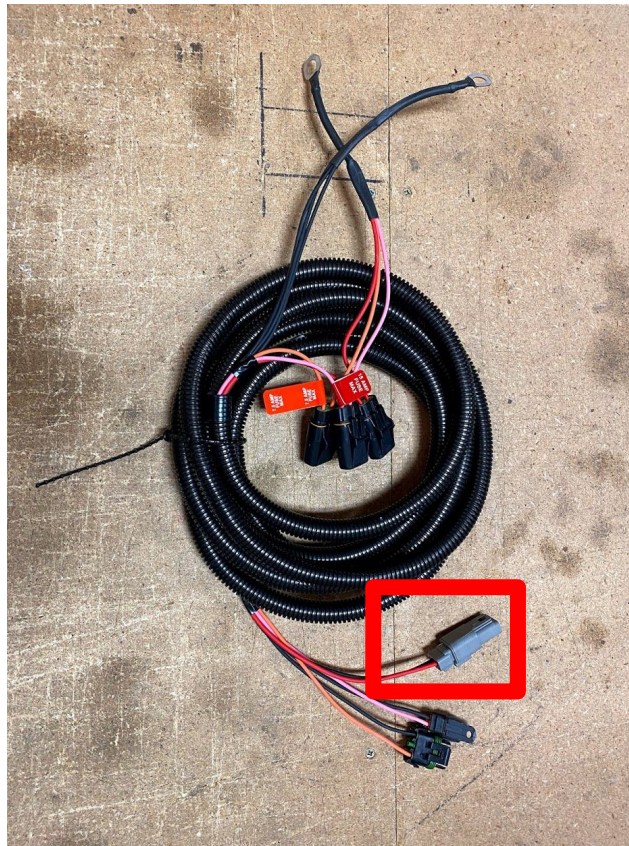
Step 18



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Begin by hooking up the battery wires to a battery. With the side with fuse boxes being positive.

Step 19

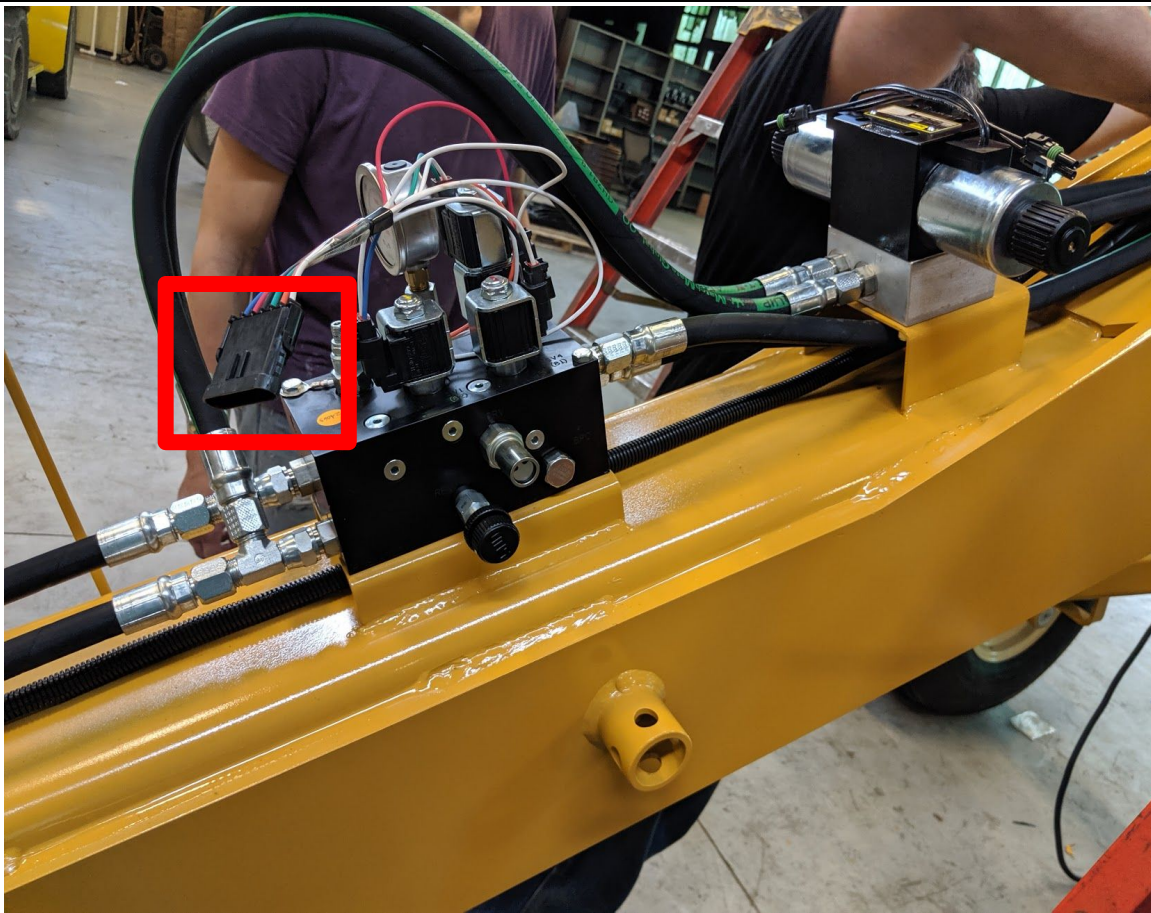


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Then connect the Wire Harness connector to corresponding connector on the Plow Wheel Frame controller.

Step 20

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Connect the 6 pin plug on the controller to the Wire Pigtail on the Down Pressure manifold.

Step 21

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Raise the Wheel Frame by extending cylinders as far as they will go. *Shank will not be on the plow yet*

Step 22

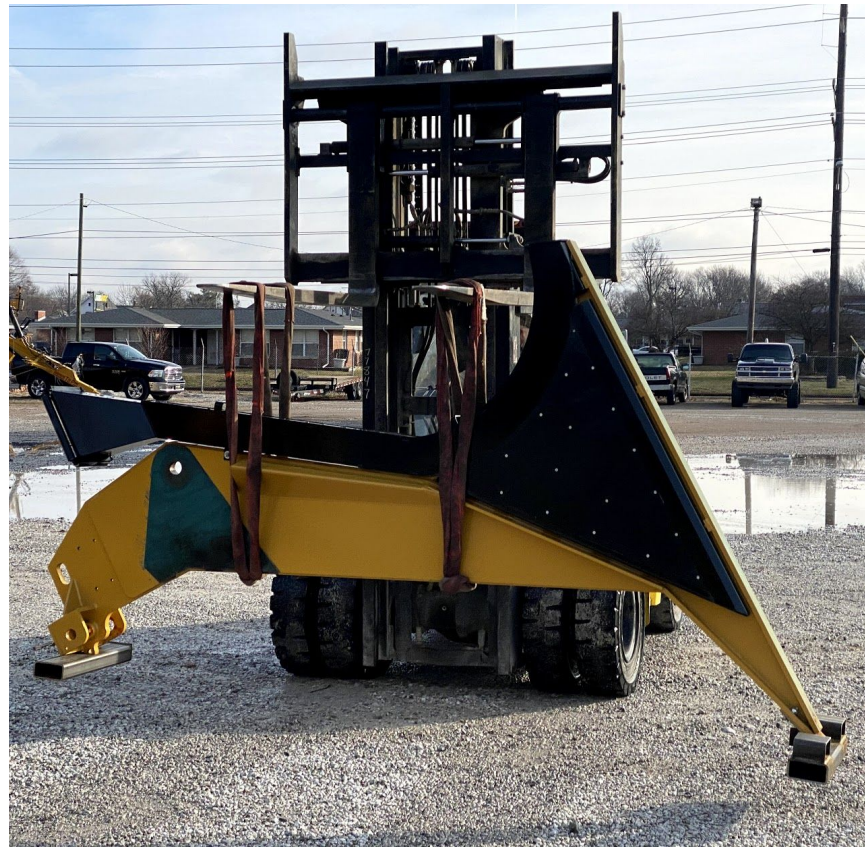
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Moving over to the shank remove Boot "J" and Boot Sides to aid in assembly process.

Step 23

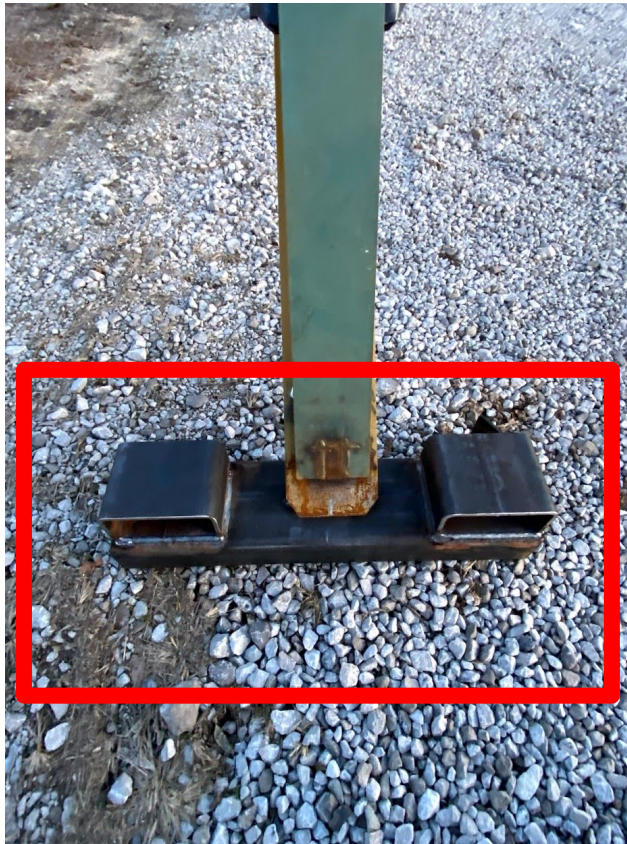
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Use to appropriate rated lifting straps **3,000 lbs or greater** to lift the Shank Assembly vertically.

Step 24

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Remove both of the rigging items. Hardware is not needed.

Step 25

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Lay the Shank Assembly on its side with a Block of wood under the shank box.

Step 26



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Find an appropriately rated clevis/hook **3,000 lbs or greater** to secure to the front shank box hole.

Step 27

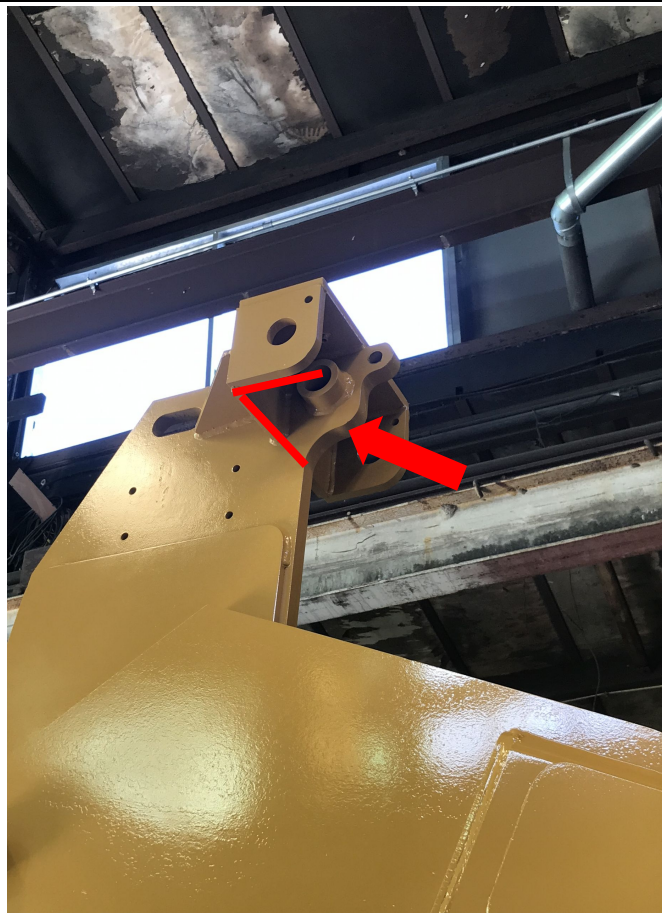
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Use your clevis/hook and strap to stand the Shank Assembly up vertically.

Step 28

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Use a fork truck (if possible) to lift Shank under the Shank Box top.

Step 29



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Be extremely careful, when moving Shank Assembly around, be sure it is secure, and there is no chance of it dropping/falling.

Step 30

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Bring the Shank and Main Tube together, do this so the Shank slides between Main Tubes Clevises.

Step 31



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Use the Big Bolt to fasten the Main Tube and Shank together. Do not beat bolt into the hole.

Step 32

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You may need to use a wood block or jack to help aid in the alignment process.

Step 33

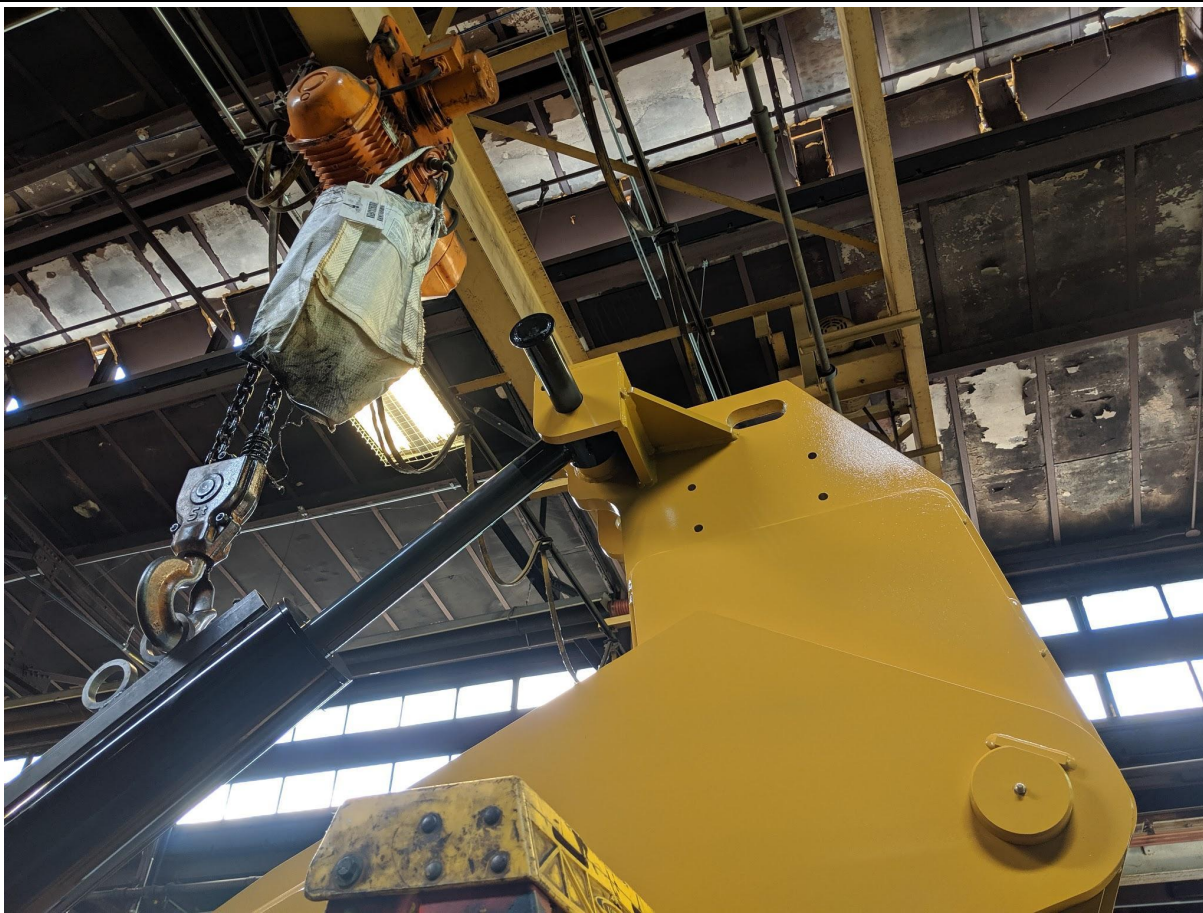
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Once Shank has been secured with the Big Nut and Bolt. Remove the cylinder pin and begin to line cylinders up to the Shank Box.

Step 34

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Maneuver the Shank and one cylinder at a time until the pin can be installed, do not beat pin in. Repeat with second cylinder.

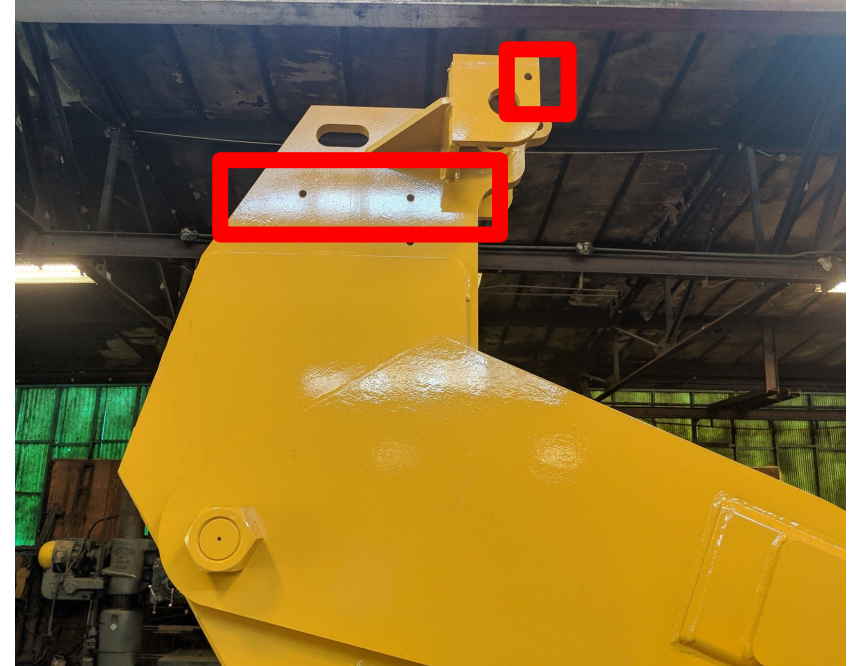
Step 35



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To add Water Level arm undo the bolts and mount directly on the shank, use Nuts/Bolts already provided.

Step 36



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Assemble Kicker Arm to top of Shank Box, use already provided nut and bolt.

Step 37



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Use provided nuts and bolts to attach the GPS Arm to Water Level arm for transport.

Step 38

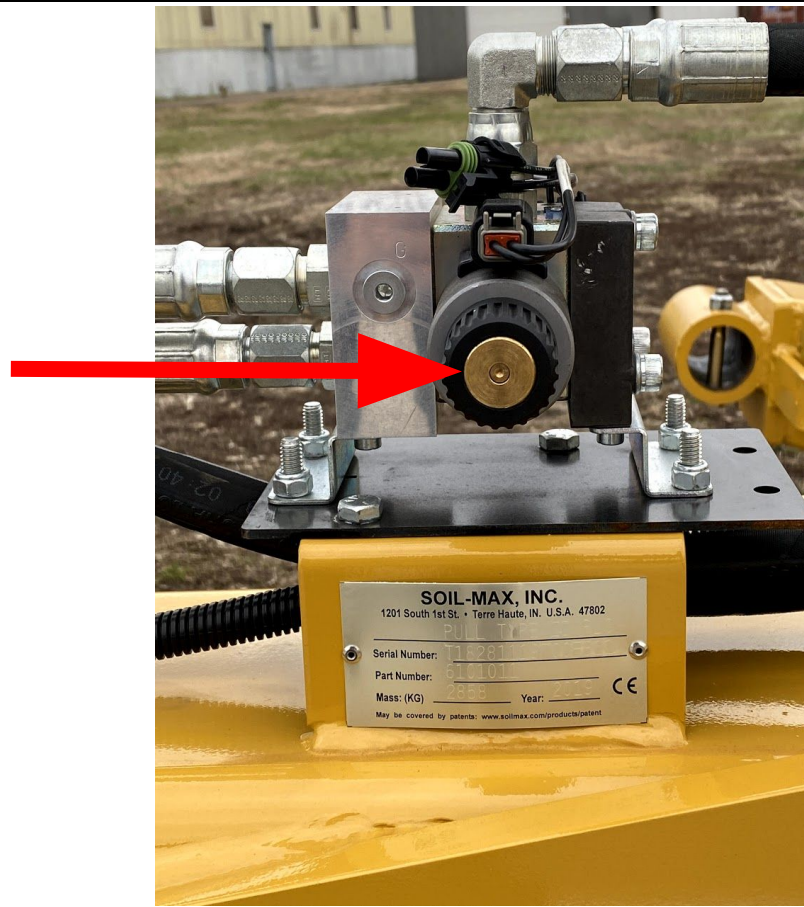
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Reassemble on Boot “J” and Boot Sides, once complete the plow is ready to be tested.

Step 39

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With tractor hydraulics on, test the Pitch Cylinders by pressing in on the buttons on each end of the proportional valve.

Step 40



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Any further questions please refer to the Operator's Manual located in the manual tube. Or call at 1.888.764.5629 opt. 2.