



**THREE POINT HITCH
WOOD PROCESSOR
MODELS WP230 & WP260
ASSEMBLY INSTRUCTION MANUAL**

**Please review and understand the
operators manual before attempting
to operate this machinery.**

EMB MANUFACTURING INC.

**4144 BOOMER LINE
ST. CLEMENTS, ON
N0B 2M0 CANADA
PH: (519) 699-9283
FAX: (519) 699-4146**

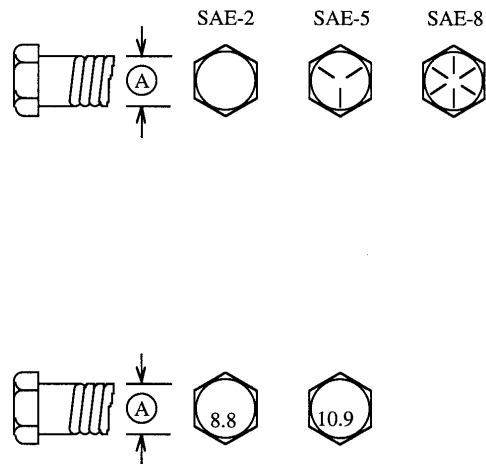
1.0 ASSEMBLY SAFETY

1. Read and understand the Assembly Manual and all safety signs before starting.
2. Follow good safety practices:
 - Keep service area clean and dry.
 - Be sure electrical outlets and tools are properly grounded.
 - Use adequate light for the job at hand.
3. Use properly sized tools, stands, jacks and hoists at all times.
4. Don't handle heavy and/or bulky components alone, ask for help.
5. Position in a large open area to allow access from all sides during assembly.
6. Keep the assembly area neat and clean to prevent slipping or tripping.
7. When using lifting equipment, place jack stands under the machine to securely stabilize it before working on, beside or under it during assembly.
8. Stay away from overhead power lines and obstructions when lifting the machine during assembly. Contact with power lines can cause electrocution. Contact with obstructions can damage components or cause them to fail.
9. Tighten all fasteners to their specified torque, then recheck before using the machine.

2.0 BOLT TORQUE

ENGLISH TORQUE SPECIFICATIONS

Bolt Diameter "A"	Bolt Torque*					
	SAE 2 (N.m) (lb-ft)		SAE 5 (N.m) (lb-ft)		SAE 8 (N.m) (lb-ft)	
1/4"	8	6	12	9	17	12
5/16"	13	10	25	19	36	27
3/8"	27	20	45	33	63	45
7/16"	41	30	72	53	100	75
1/2"	61	45	110	80	155	115
9/16"	95	60	155	115	220	165
5/8"	128	95	215	160	305	220
3/4"	225	165	390	290	540	400
7/8"	230	170	570	420	880	650
1"	345	225	850	630	1320	970



Torque figures indicated above are valid for non-greased or non-oiled threads and heads unless otherwise specified. Therefore, do not grease or oil bolts or caps crews unless otherwise specified in this manual. When using locking elements, increase torque values by 5%.

* Torque value for bolts and capscrews are identified by their head markings.

3.0 ASSEMBLY

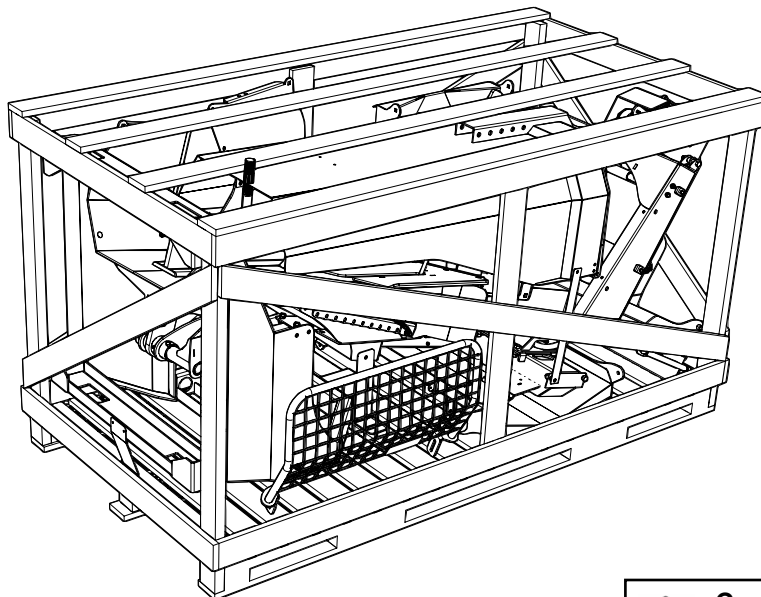
This assembly manual is for all trailer model Wood Processors. The WP860 is used as an example but generally applies to all wood processor models. Model specific instructions are identified in the manual.

The machine is shipped from the factory in a partially disassembled configuration and attached to a pallet that provides easy moving and handling. Always use tools, equipment and fork lifts of appropriate size and capacity for the job.

Inspect for damage from shipping, immediately contact the shipping company if damage is found.

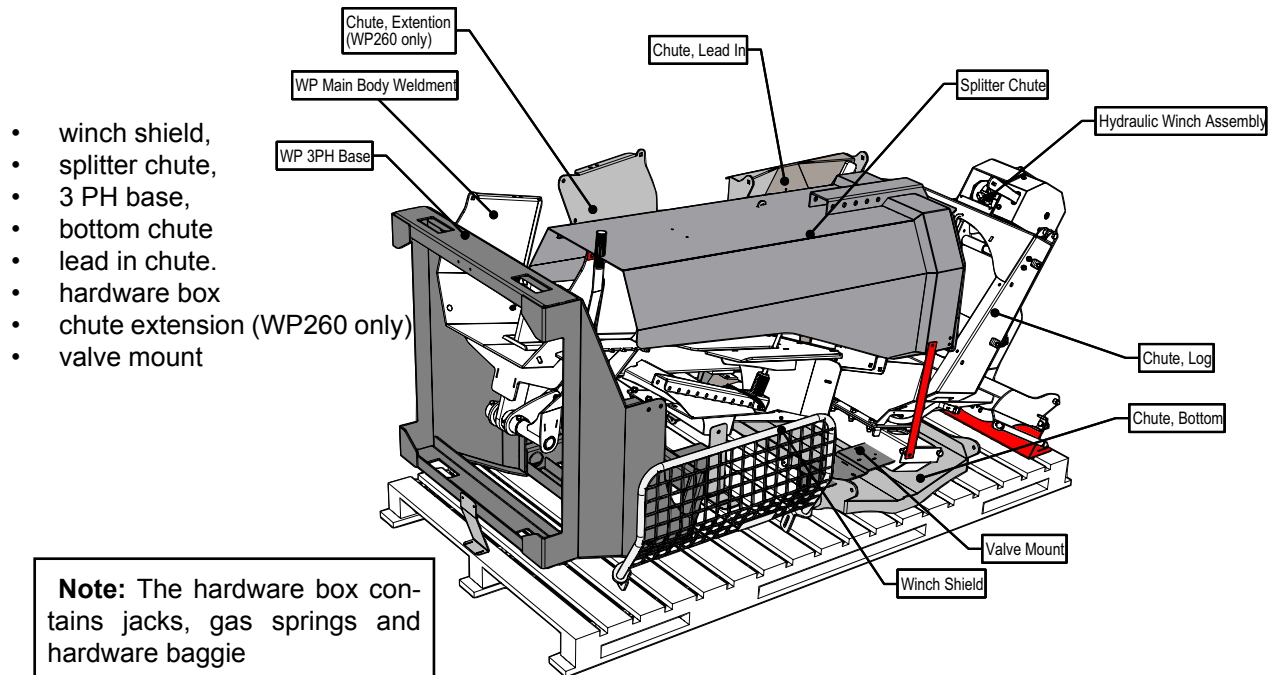
When the machine is shipped, follow this assembly procedure:

1. Clear the area of bystanders, especially small children.
2. Be sure you have all the required tools before you start.
3. Move the shipping package into an area where it is accessible from all sides.
4. Remove the screws holding the lid to the shipping pallet, remove the lid and set aside away from the assembly area.

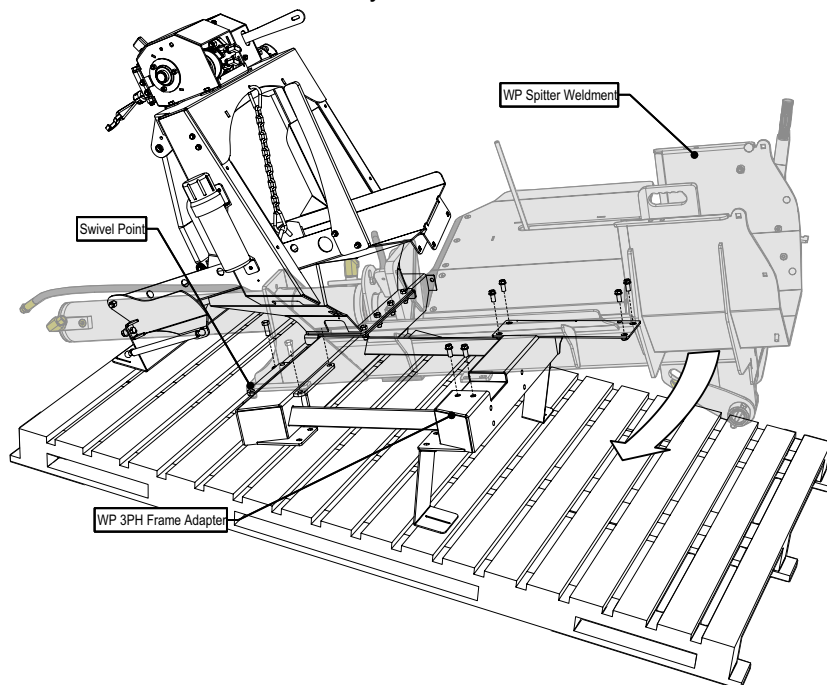


Caution: Heavy or bulky parts: prevent potential injury ask for help when lifting or moving heavy, bulky parts.

5. Remove the following loose components from the skid to make assembly easier. Set them aside in a safe place, close by. Note that some parts are attached to the skid with shipping brackets or screws.



6. After removing the components from the skid, fasten the splitter weldment to the 3 PH adaptor. Swivel the splitter weldment over (as shown) to line up the 9 remaining bolt holes. Insert the bolts and nuts and fasten securely.



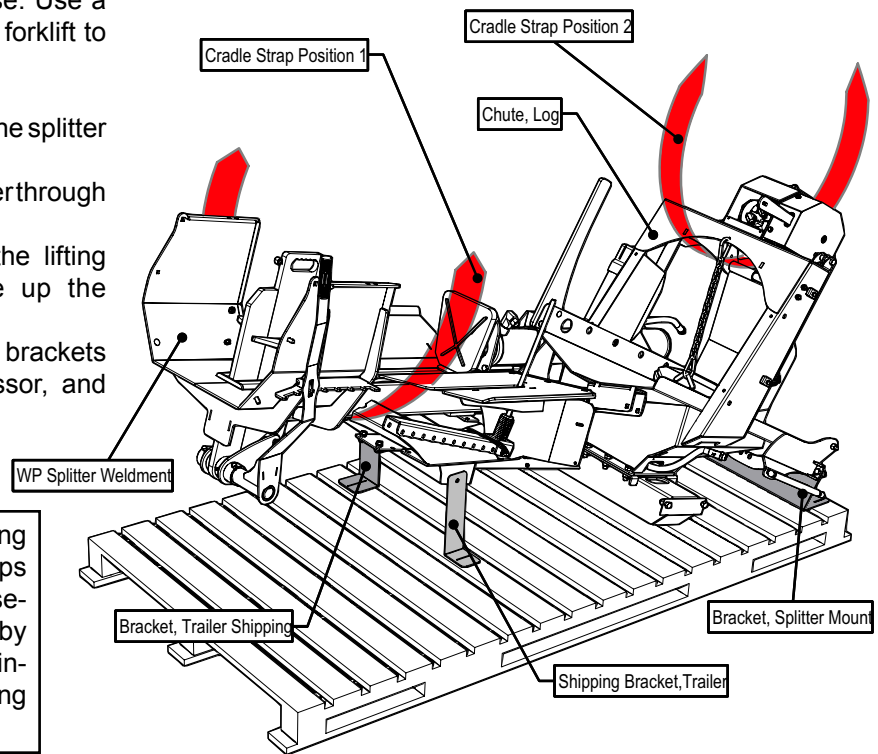
7. The main assembly must be raised and set onto the 3 PH base. Use a cradle straps and crane or forklift to lift the assembly:

8. Use cradle straps:

- Place one strap under the splitter weldment
- place another strap other through the log chute.
- Attach the straps to the lifting mechanism and take up the slack.
- Remove the shipping brackets from the wood processor, and pull the skid out.



Caution: When raising the machine ensure straps are in good condition and secure and the area is clear of bystanders to prevent potential injury from the machine slipping during assembly



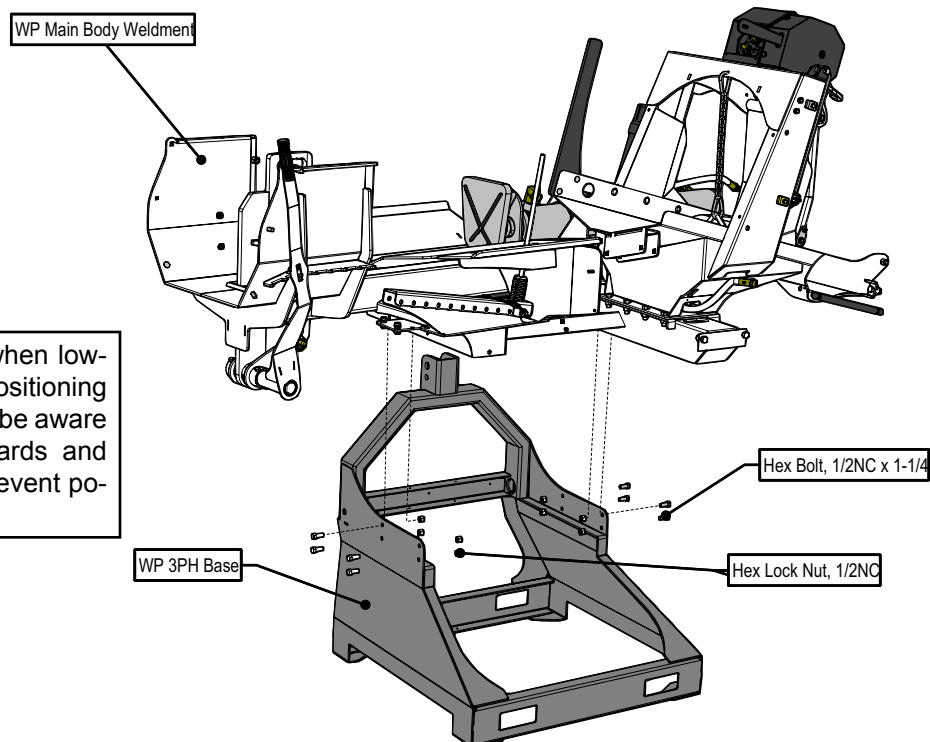
9. Raise the assembly high enough to slide the 3 PH base under the main assembly.

10. Lower the main assembly into the 3 PH base and align the 8 bolt holes.

11. Insert the bolts and tighten securely.

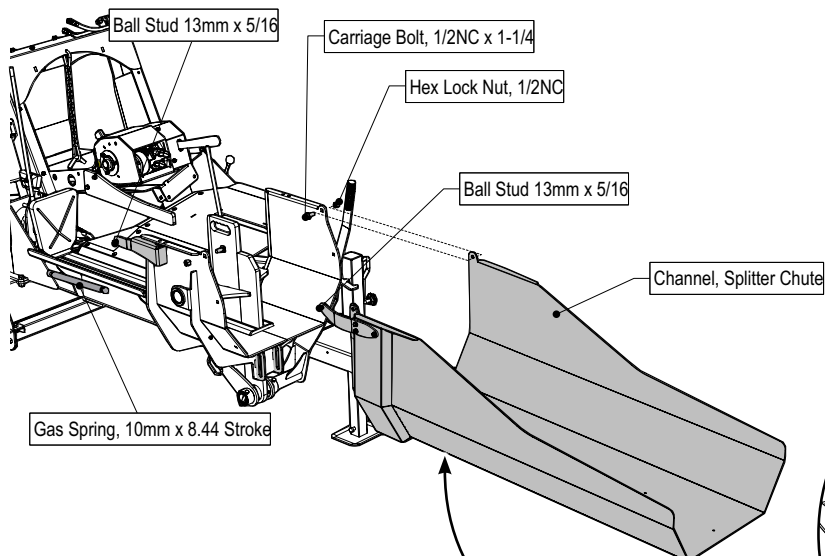


Caution: when lowering and positioning heavy equipment be aware of overhead hazards and pinch points to prevent potential injury.



Splitter Chute Ass'y: Models WP230

12. Attach the splitter chute channel to the splitter cradle with 2 x carriage bolt / nuts.
13. Snap the gas spring onto the ball studs, and secure each end with spring clips.
14. Secure the chute adjust channel with the hitch pin and latch pin.

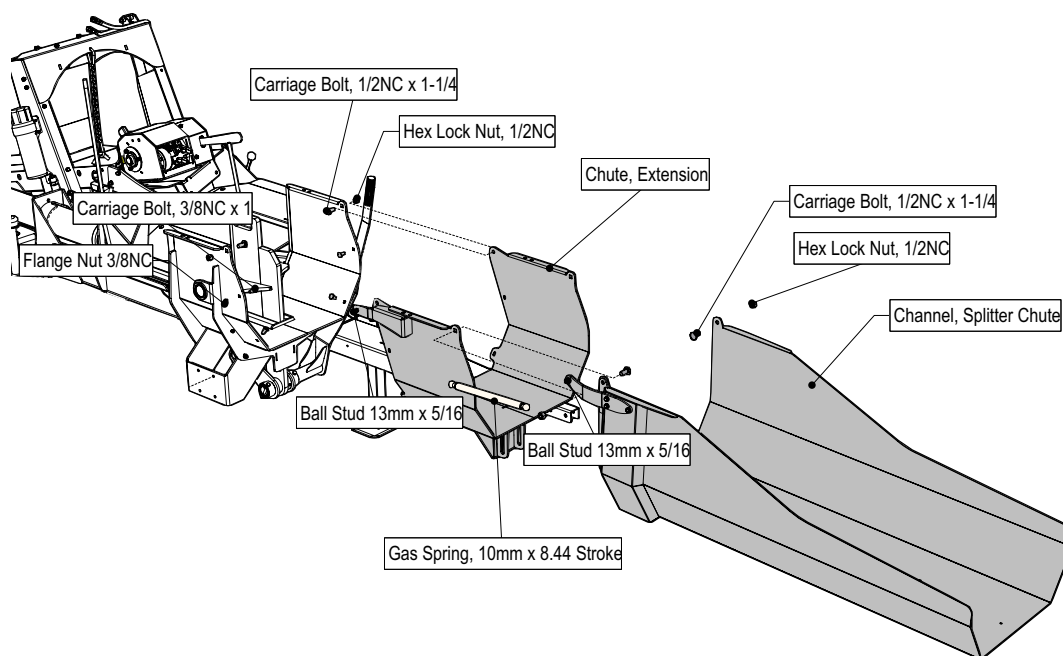


Caution: Heavy or bulky parts: prevent potential injury ask for help when lifting or moving heavy, bulky parts.

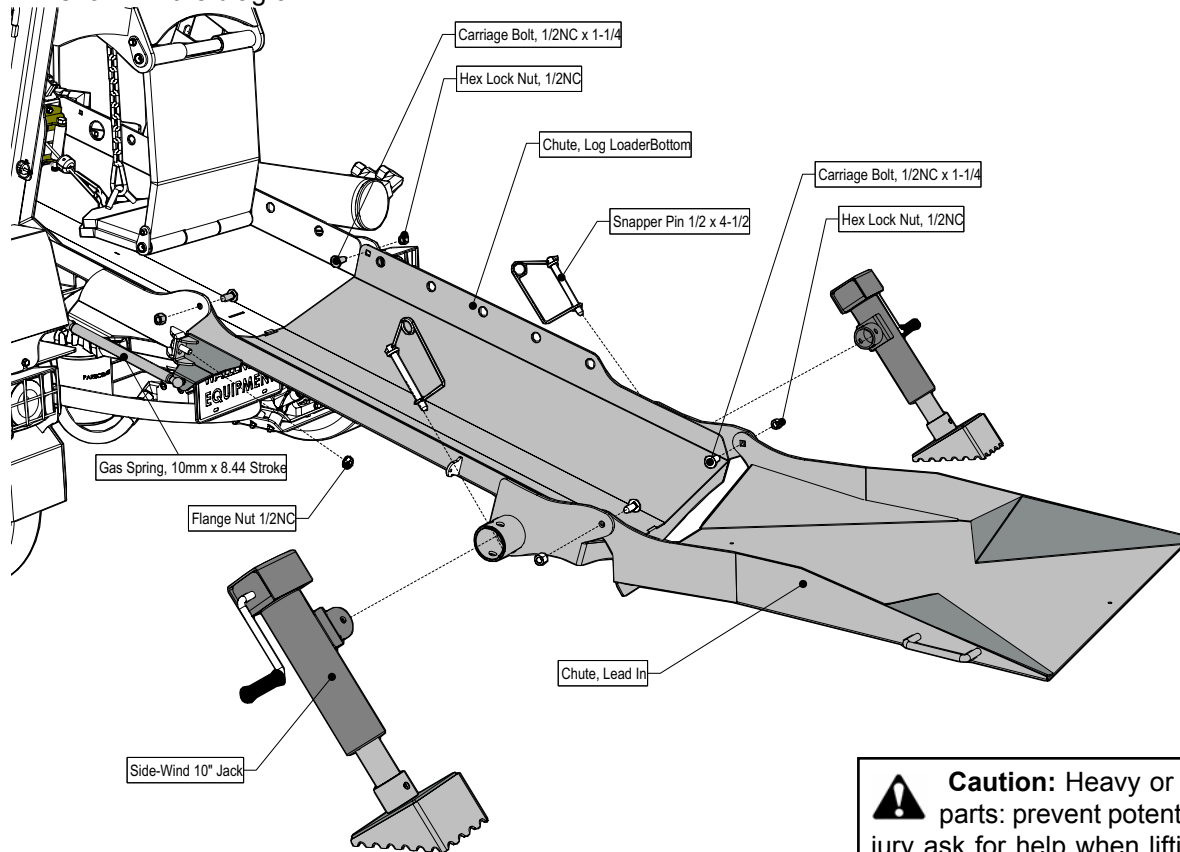
Chute Adjust Channel - all models

Splitter Chute Ass'y: Model WP260

15. Attach the chute extension to the splitter cradle with 2 x 1/2" carriage bolt / nuts and 4 x 3/8" carriage bolts and nuts.
16. Next, attach the splitter chute channel to the extension chute with 2 x carriage bolt / nuts.
17. Snap the gas spring onto the ball studs, and secure each end with spring clips.
18. Secure the chute adjust channel with the hitch pin and latch pin.

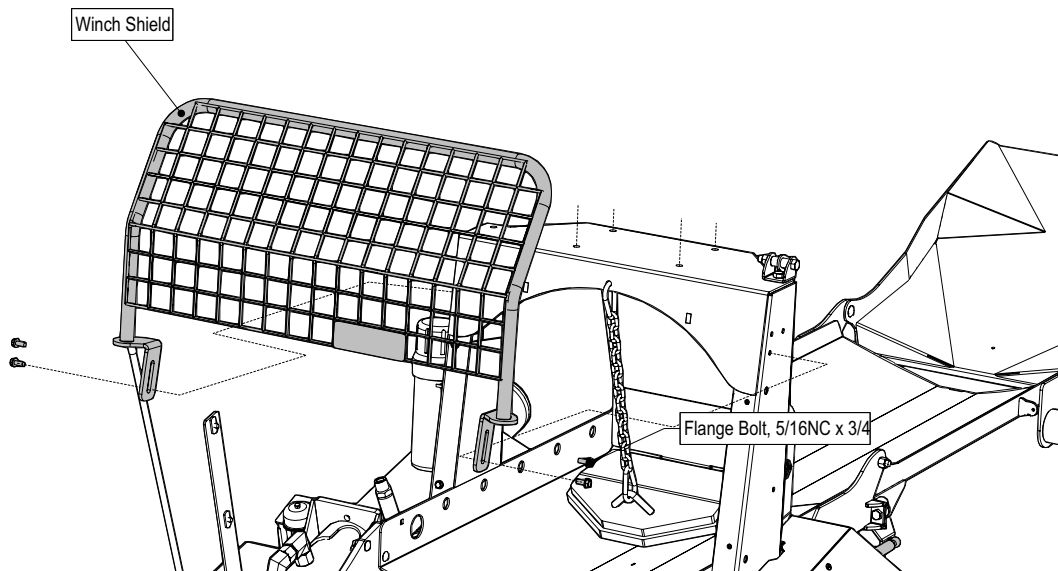


19. Find the log loader bottom chute and fasten it to the log chute using the 2 x carriage bolts / nuts and 2 x flange nuts as shown in the diagram.
20. Attach 2 x gas spring to the ball studs on either side of the loader chute, and secure with spring clips.
21. Using the two carriage bolts / nuts fasten the lead in chute to the loader chute as shown in the diagram.

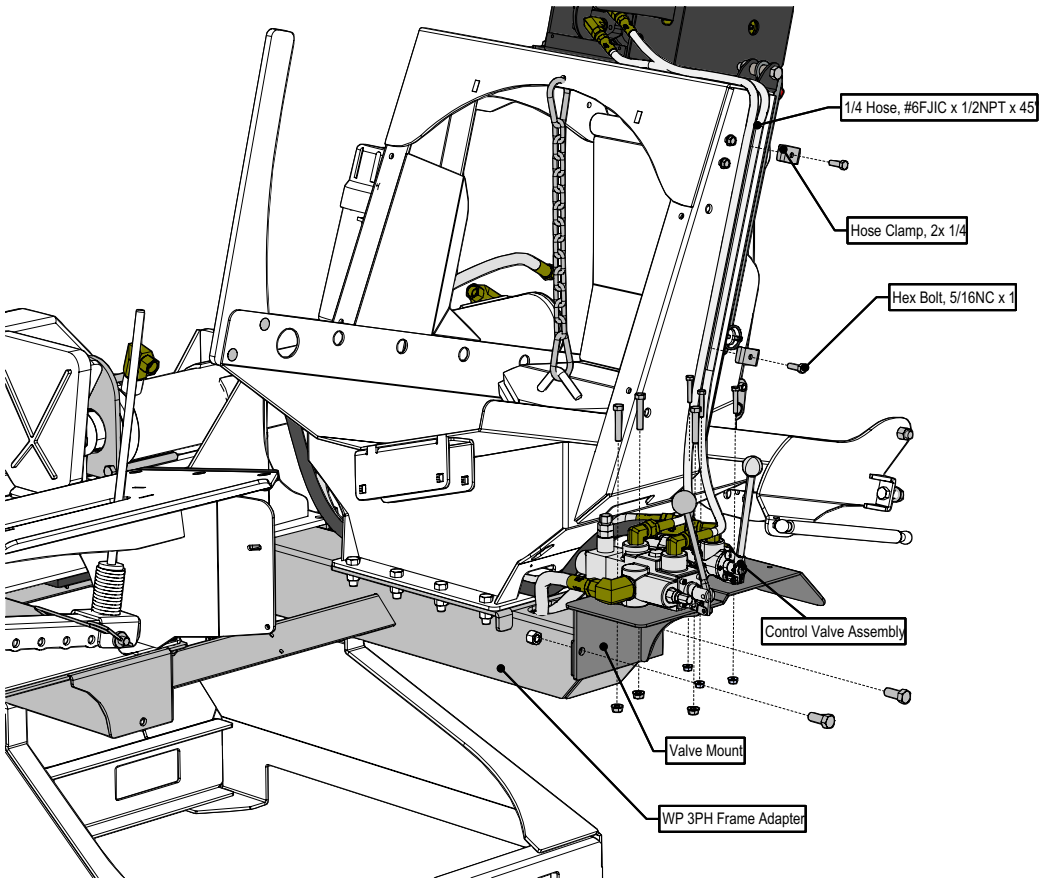


Caution: Heavy or bulky parts: prevent potential injury ask for help when lifting or moving heavy, bulky parts.

22. Fit the winch shield onto the channel bridge and over the winch clutch handle. Fasten the winch shield with 4 x flange bolts.

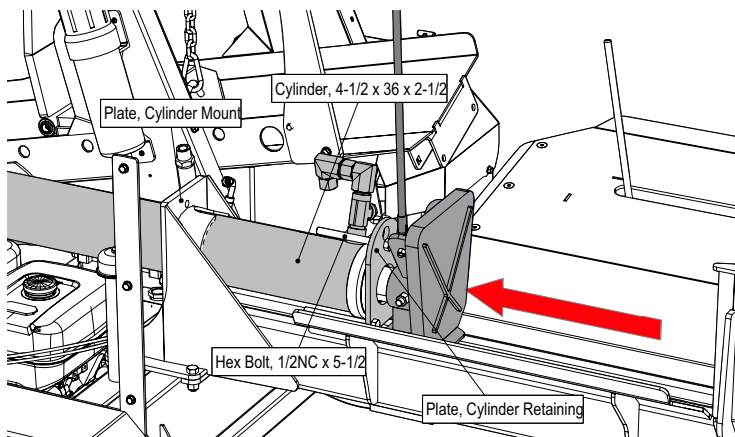


23. Attach the valve mount to the 3 PH frame adaptor with 2 x nuts and bolts, fasten securely.
24. Fasten the valve assembly to the valve mount with the 6 hex bolts and nuts and fasten securely.
25. Secure the winch hydraulic lines onto the side of the channel bridge, using 2 x hose clamps and hex bolts.



Cylinder Ass'y: Model WP260

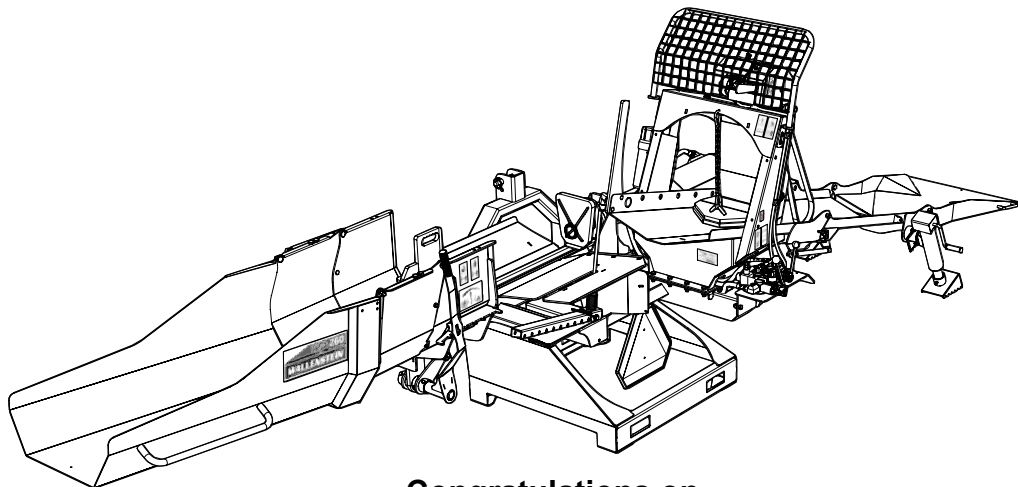
26. Hydraulic cylinder needs to be assembled into position: push the cylinder assembly back to the cylinder mount plate, align the 3 x hex bolts in the cylinder retaining ring with the bolt holes in the mount plate.
27. When the cylinder is in position, bolt the cylinder in place with the 3 x hex bolts and nuts.



After the Wood Processor is fully assembled, recheck all the fasteners and ensure the owners manual is in the manual tube.

Go thru the pre-delivery inspection check to ensure the machine is properly set up and functioning.

✓	Pre-Delivery Inspection
	Inspect for damage from shipping, immediately contact the shipping company if damage is found.
Wood Processor	
	Hydraulic Splitter Controls Function
	Hydraulic Cylinder Functions
	Splitter Chute Folds Up
	Wedge Height Adjuster Functions
	Loader & Leadin Chutes Fold Up & Latch Securely
	Log Stabilizer Moves Freely
	Fasteners Tight
	Grease Zerks / Lubricate Pivot Points
	Hydraulic Connections
	Review Operating and Safety Instructions
Safety Checks	
	All Safety Decals Installed
	Guards and Shields Installed and Secured
	All Jacks Function
	Retainer Installed Through Hitch Points
	Review Operating and Safety Instructions
Hydraulic Winch	
	Check Winch Clutch Handle Control
	Check Winch Rope / Hook / Fairlead
	Check Hydraulic Function
	Grease Zerks / Lubricate Pivot Points
	Review Operating and Safety Instructions
Optional Equipment	
	Chain Saw Holster: Installed securely
	6 Way Wedge: Check Height Adjuster
	Chainsaw Pivot: Check Pivot Function



**Congratulations on
successfully completing assembly of your
Wallenstein Wood Processor**