



**TRAILER WOODSPLITTER
MODEL WE230**

ASSEMBLY INSTRUCTION MANUAL

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

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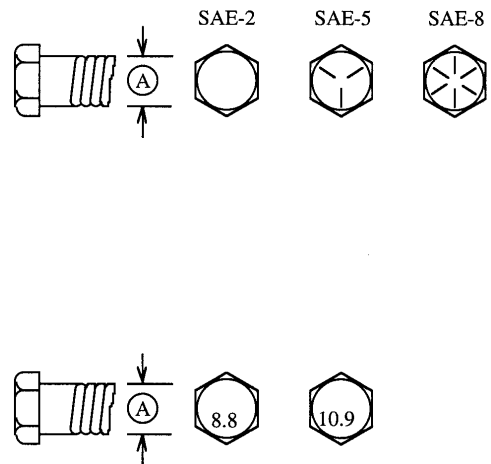
1.0 ASSEMBLY SAFETY

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. Use two men to handle heavy and/or bulky components.
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. Place safety stands or large blocks under the machine or components before going underneath the component for 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 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

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.

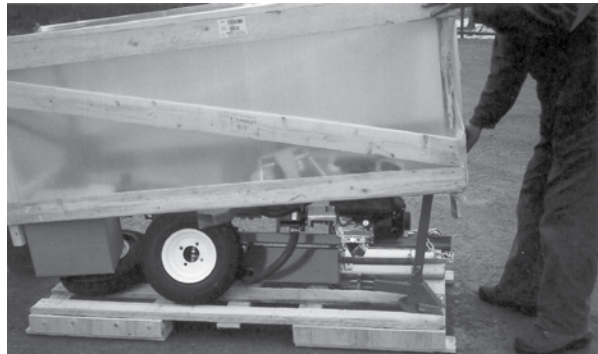
When the machine is shipped, follow this assembly procedure:

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.

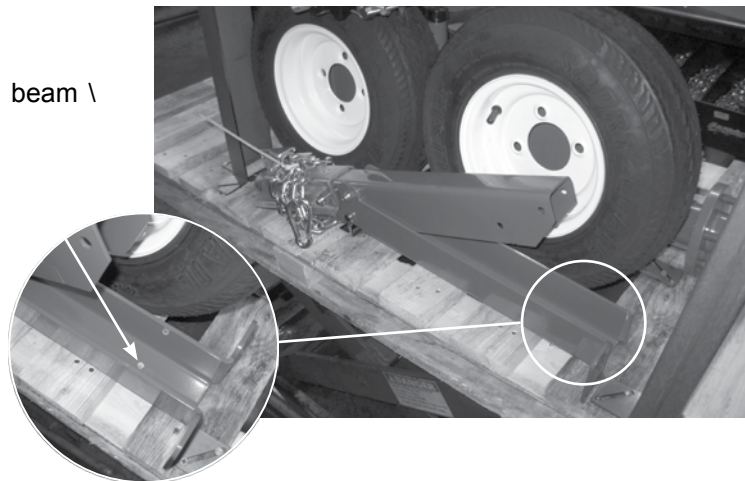
4. Remove the 4 screws holding the lid to the shipping pallet. (2 on each end)



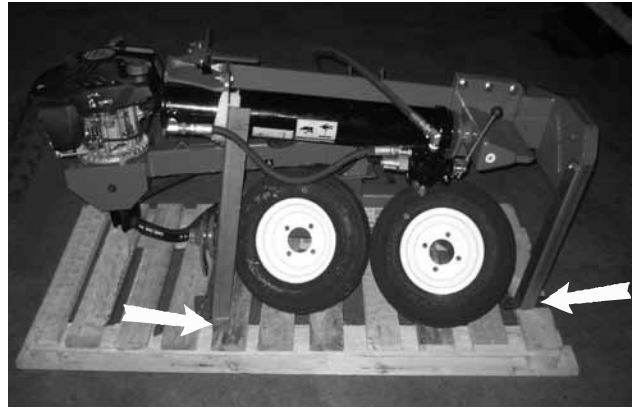
5. Remove the lid and set to one side.



6. Remove the screw securing the hitch beam \ support leg ass'y to the skid.



7. Remove the screws securing the front and rear shipping brackets to the skid, but do not remove the brackets from the splitter beam. Carefully move the tires from the skid to a safe place.



Shipping Brackets (splitter beam)

8. Open manual tube (located on the axle ass'y), and remove the bag of hardware.



9. Carefully rotate the splitter beam ass'y to 90° at the tongue channel ass'y, so that the beam rests on top of the pivot assembly and the tongue channel.



10. Fasten the splitter beam to the pivot ass'y by inserting the 3/8 x 4 1/2" bolt through the bolt hole as shown.



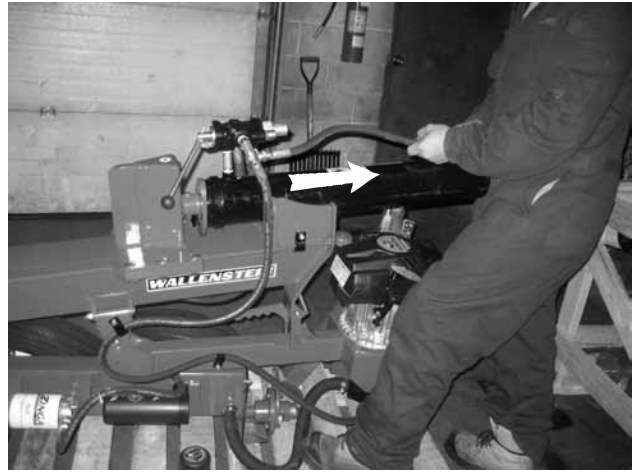
11. Assemble 3/8 hex locknut and tighten as specified on the torque chart (pg 2)



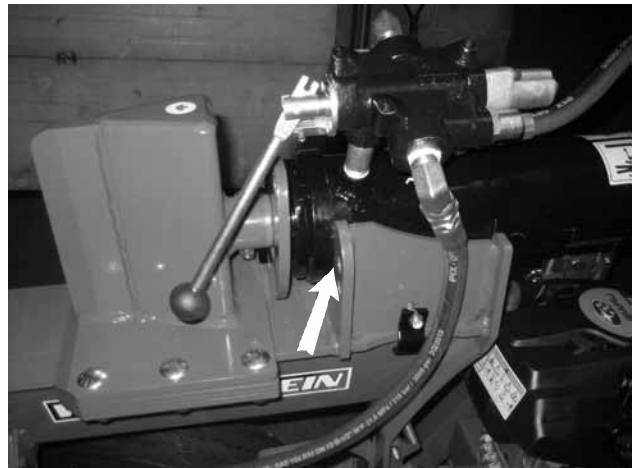
12. Once the splitter beam ass'y is fastened to the pivot, remove the two shipping brackets from the splitter beam ass'y as shown



13. Carefully pull back the cylinder ass'y into position



14. Ensure the cylinder ass'y is back as far as it will go, so that the collar of the cylinder is tight up against the cylinder mount as shown.



15. Locate the cylinder saddle, fastened to the wheel hub, remove the lug nut, carefully remove the saddle from the hub, **keep the lug nut.**



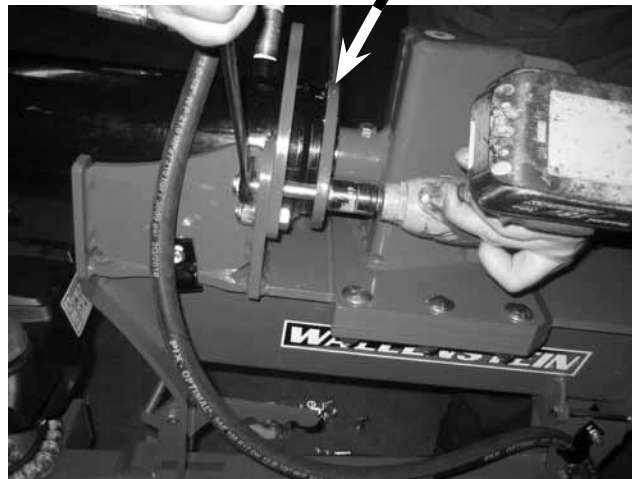
16. Place the saddle on top of the cylinder collar mount as shown, align the bolt holes and insert the 1/2 x 1 1/2 bolt through the saddle (one on each side)

Assemble 1/2" hex locknut on each bolt and tighten as specified on the torque chart (pg 2)



17. Insert the 1/2 x 3" bolt (one on each side) through the gland clamp and through the saddle and cylinder mount, assemble 1/2" hex locknut on each bolt and tighten as specified on the torque chart (Pg 2)

Gland Clamp



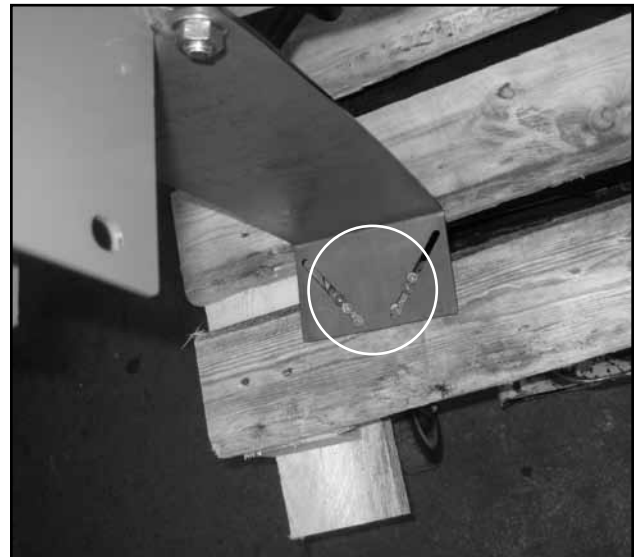
18. Remove the pivot lock bolt, to allow the latch handle to lock into place



19. Ensure latch handle has locked into place to keep the splitter assembly beam in position.



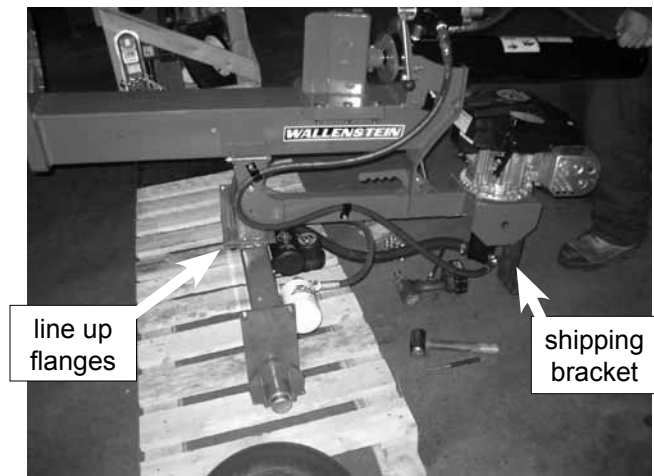
20. Remove the screws securing the tongue channel shipping bracket to the skid, but **do not** remove the shipping bracket from the tongue channel.



21. The tongue ass'y is attached to the axle ass'y by one bolt, carefully pivot the tongue ass'y on the bolt clockwise, so that the flanges on both ass'y's line up.



22. Once the flanges are lined up, rest the entire ass'y on the floor, supported by the tongue channel shipping bracket.



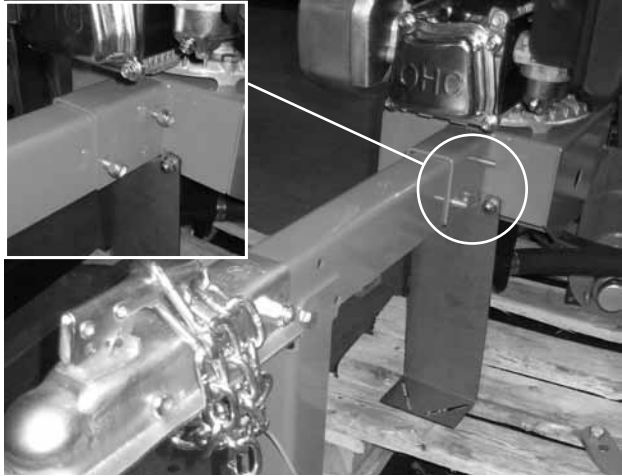
23. Insert the 3/8 x 1-1/4" carriage bolts through the 3 remaining holes on the flanges, assemble 3/8" hex locknut on each bolt and tighten all 4 nuts as specified on the torque chart (Pg 2)



24. Assemble any loose hose into hose clamps (already attached to the unit). Do not overtighten the clamps or hose damage will result.



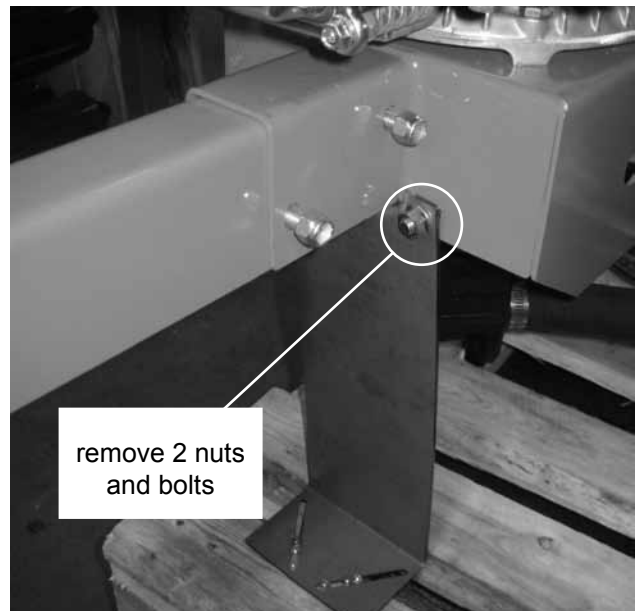
25. Remove the snapper pin and lower the support leg, assemble the hitch beam ass'y to the tongue channel, along with a 3/8 washer insert the 3/8 x 3" bolts through the 2 holes on the tongue channel, assemble 3/8" hex locknut on each bolt and tighten hex nuts as specified on the torque chart (pg 2)



26. Align the support leg with the lower holes in the hitch beam, and install the snapper pin and latch it, to secure the support leg in the lowered position. Allow the splitter to rest on the support leg.



27. When the support leg is secured, then carefully remove the tongue channel shipping bracket.



28. On the right side, remove the screws securing the axle shipping brackets to the skid, and unbolt the brackets from the axle ass'y.



29. Carefully tilt the splitter high enough to install the tire, assemble 1/2" lug nut on each lug and tighten the lug nuts as specified on the torque chart (pg 2)

30. Repeat for the step 28 and 29 for the left side.



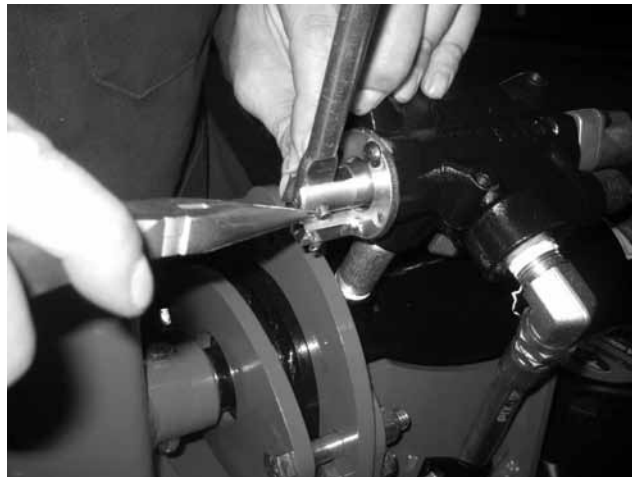
31. Finally the hydraulic control handle must be installed. Using a pair of needle nose pliers, remove the cotter pin that secures the handle pivot pin to the valve. Remove the pivot pin. Once the pivot pin is removed, then the handle will come free.



32. Fit the slotted end of the handle into the lower pivot, position the handle so that the hole in the handle lines up with the pivot hole. Carefully insert the pivot pin.



33. Using needle nose pliers, secure the pivot pin by re-inserting the cotter pin. Test the function of the handle to ensure everything is assembled properly.



**Congratulations on
successfully completing assembly of
the
WE230 Woodsplitter**