



TRAILER WOODSPLITTER MODEL SE80CR

ASSEMBLY INSTRUCTION MANUAL

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

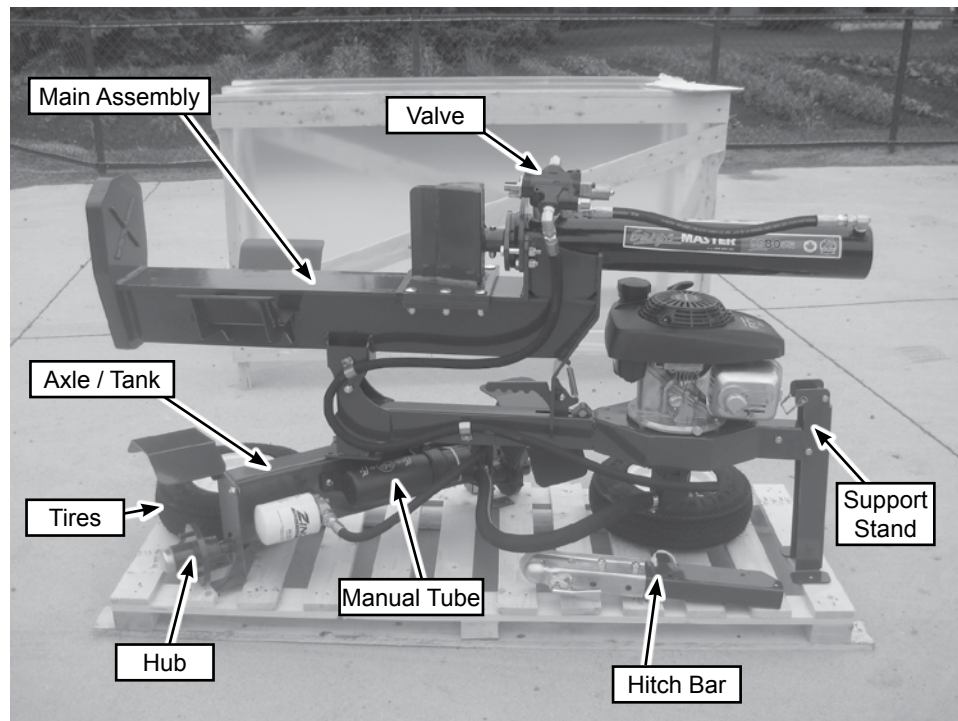
EMB MANUFACTURING INC.

**4144 BOOMER LINE
ST. CLEMENTS, ON
N0B 2M0 CANADA
PH: (519) 699-9283
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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. (refer to the torque chart ant the back of this manual.)

2.0 MAIN COMPONENTS



3.0 HARDWARE

Check that the following items are in the manual tube:

1. Manual
2. Hydraulic Valve Lever & Hardware
3. Hardware baggie
 - 3 x 3/8-16 Zinc Flange Nut Serrated
 - 3 x Carriage Bolt 3/8NC x 1
 - 8 x Lug Nut 1/2NF



4.0 ASSEMBLY

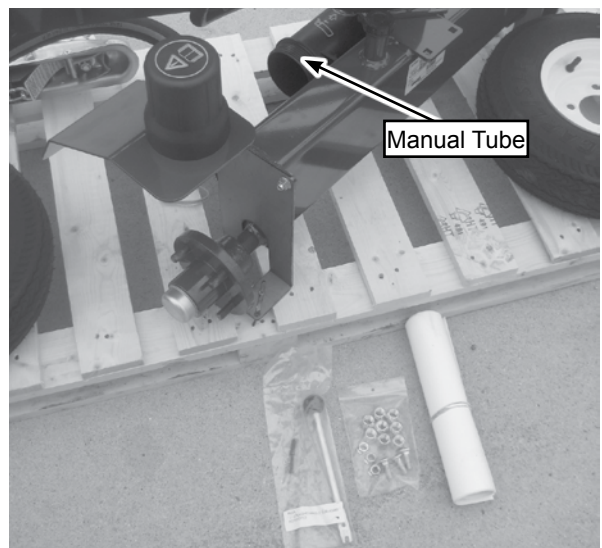
The machine is shipped from the factory in a partially disassembled configuration and attached to a pallet that provides easy moving and handling. Always use tools, equipment of appropriate size and capacity for the job. Tighten all fasteners to their specified torque before using the machine. (refer to the torque chart ant the back of this manual.)

Tools required:

- Philips #2 screwdriver
- Ratchet socket wrench
- 9/16 socket
- 9/16 wrench
- 13/16 socket
- Torque wrench

Assembly procedure:

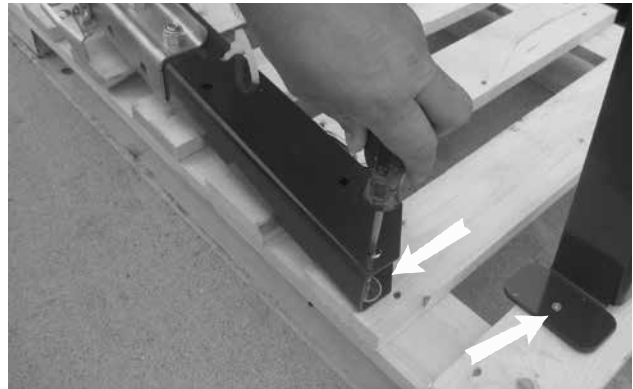
1. Clear the area of bystanders, especially small children.
2. Be sure you have all the required tools before you start.
3. Move the shipping package into an area where it is accessible from all sides.
4. Remove the 4 screws holding the lid to the shipping pallet. (2 on each end)
5. With two people, remove the lid and set to one side.
6. Find the manual tube unscrew the lid and remove, and check the contents. Place in a safe area.



7. Remove tires from the skid and set one beside each axle.



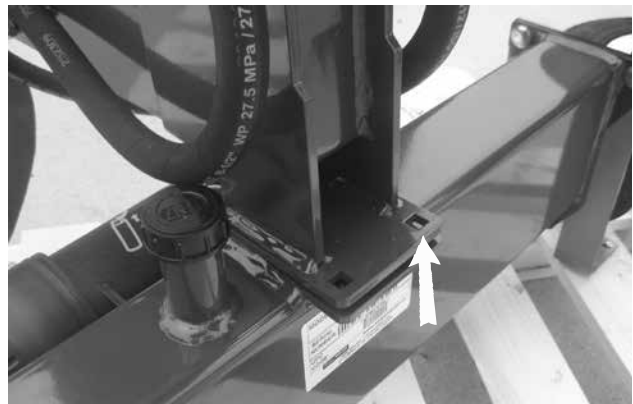
8. Unscrew the hitch bar from the skid and set aside, remove the two screws from the support stand.



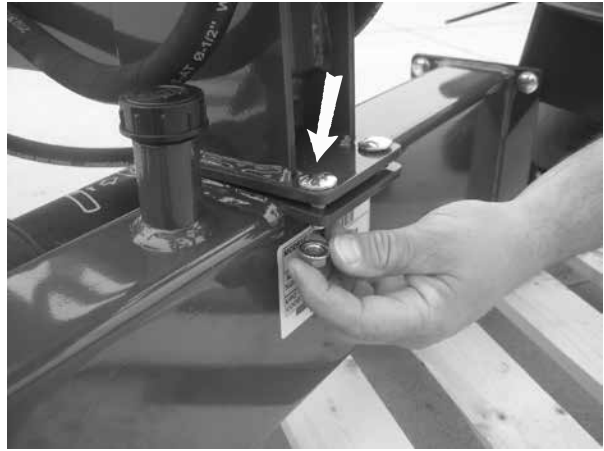
9. Carefully rotate the main assembly 90° to the axle / tank ass'y, with the support stand resting on the ground.



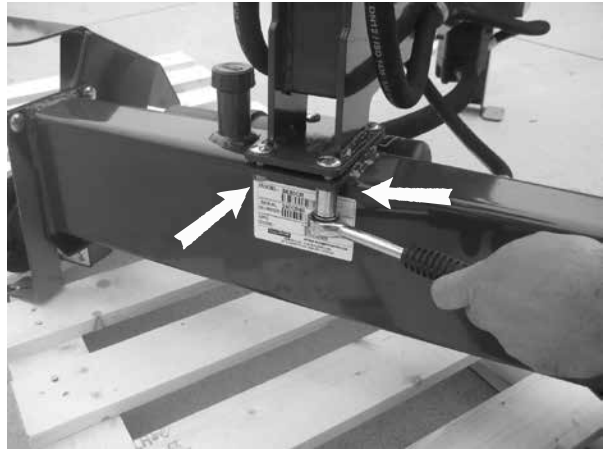
10. Ensure main assembly bolt holes line up with holes in axle / tank.



11. Install and hand tighten the three 3/8 NC x 1 carriage bolts and 3/8-16 zinc serrated flange nuts.



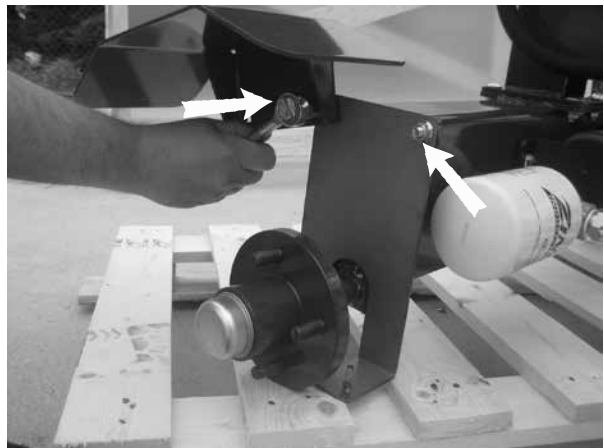
12. Use a 9/16 socket and ratchet and tighten up the 2 rear nuts.



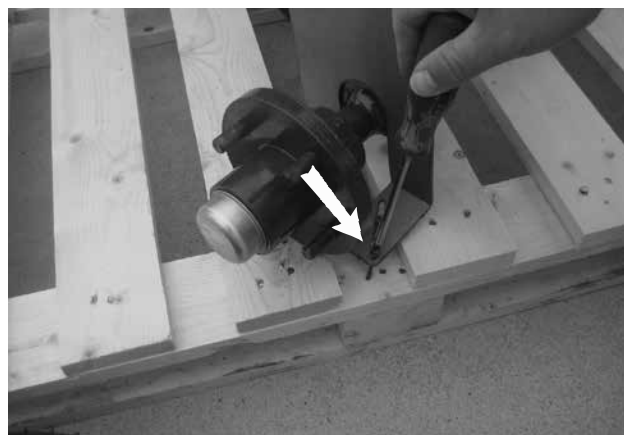
13. Use a 9/16 wrench and tighten up the 2 front nuts.



14. Use 9/16 socket and ratchet and remove the two fenders (one each side) and set aside. Keep the hardware, it will be used to install the fenders.



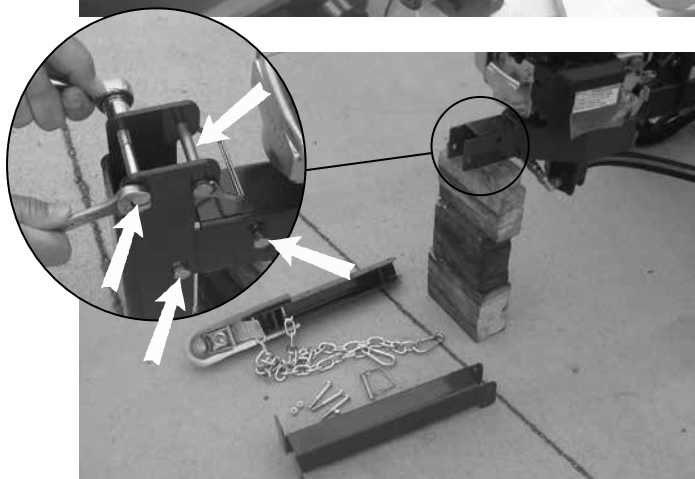
15. Remove the screws (2-4) that hold shipping brackets, remove the shipping brackets and set aside.



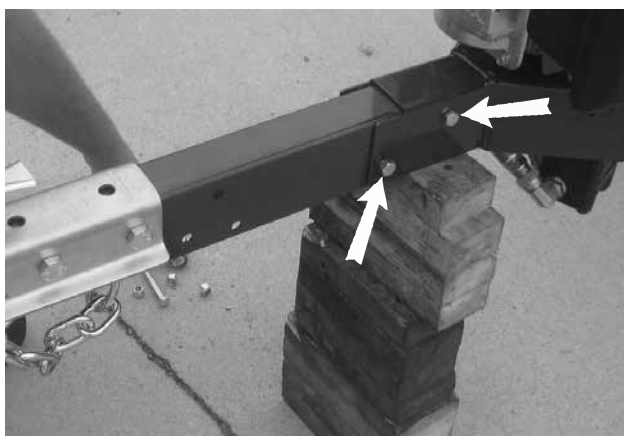
16. Install fenders: insert bolts as shown, hand tighten then use 9/16 socket and ratchet and tighten up.



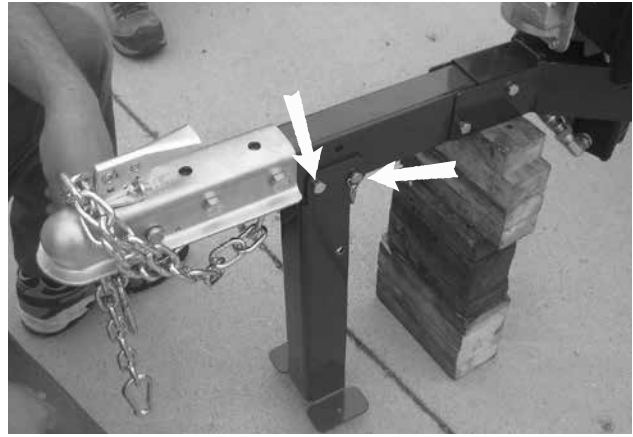
17. Remove Support stand: support the end of the chipper with blocks, then disassemble the support stand from the main assembly. Remove the snapper pin, then using the 9/16 socket ratchet and wrench, remove the 3 nuts & bolts, set aside for hitch assembly.



18. Bolt on the hitch: use two nuts & bolts and bolt the hitch bar on as shown, tighten up with 9/16 socket ratchet and wrench.



19. Install the support stand: align the support stand with the mounting holes and insert the snapper pin, then install a nut and bolt and tighten with a 9/16 socket ratchet and wrench.



20. Install tires: start with the left side, lift the side of the splitter and fit the wheel on the hub.



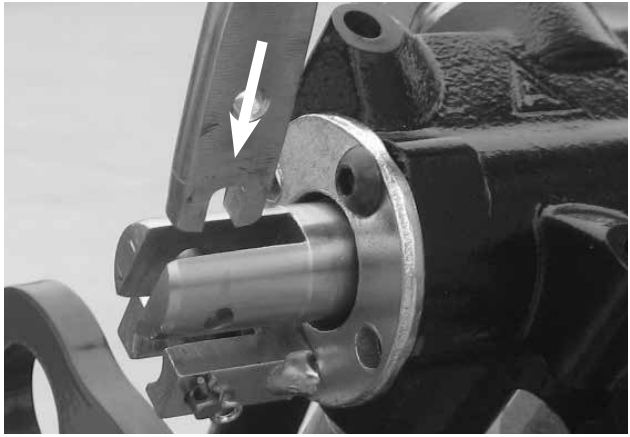
21. Start the 4 lug nuts by hand and tighten up with a 13/16 socket (or wheel wrench). Repeat for the right side. Carefully move the splitter off of the skid.



22. Finally the hydraulic control handle must be installed: Find the baggie with the hydraulic control handle and hardware. Install the bottom pivot pin into the hydraulic control, and insert the cotter pin.



23. 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.



24. Carefully insert the pivot pin in the plunger shaft and trough the handle. Insert the cotter pin. Test the function of the handle to ensure everything is assembled properly.

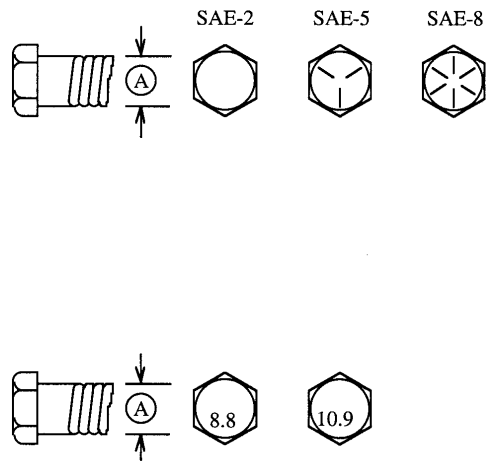


Congratulations on successfully completing assembly of the SE80CR Woodsplitter
Please refer to the owners manual before using the splitter.

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.