

WALLENSTEIN

BY EMB MFG INC.

TRAILER SPLITTER MODELS WX510, 515, 515-L, 520, 520-L 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**

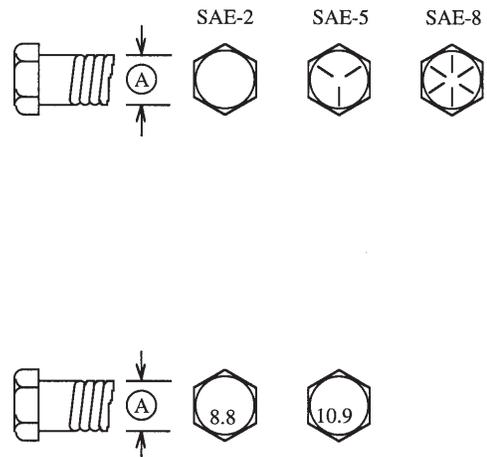
1.0 ASSEMBLY SAFETY

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

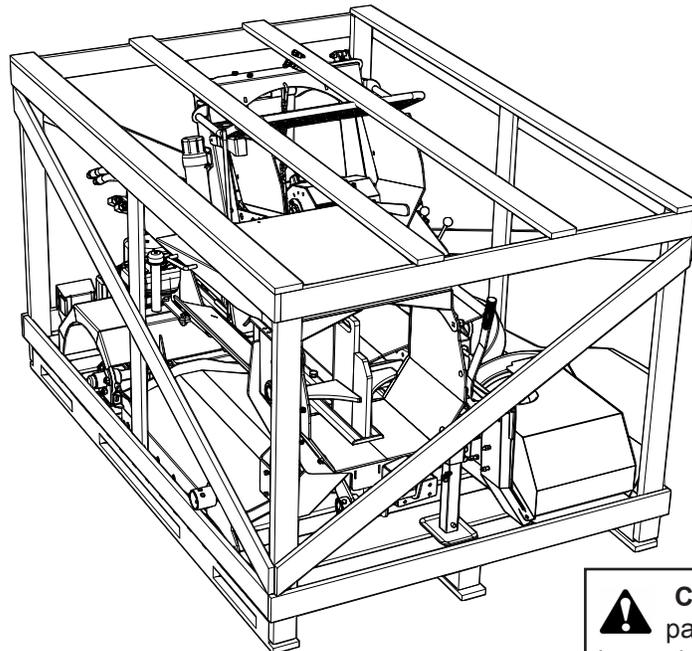
This assembly manual is for all trailer model wood splitters. The WX520 is used as an example but generally applies to all wood splitters. Model specific instructions are identified in the manual.

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.

Uncrating the WX520 Wood Splitter

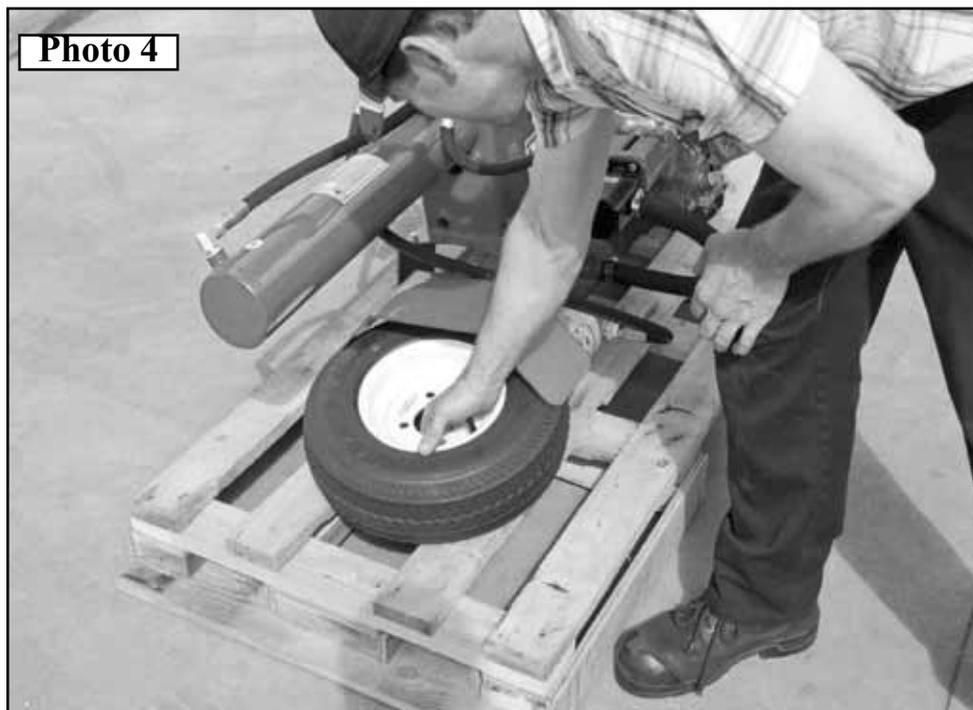
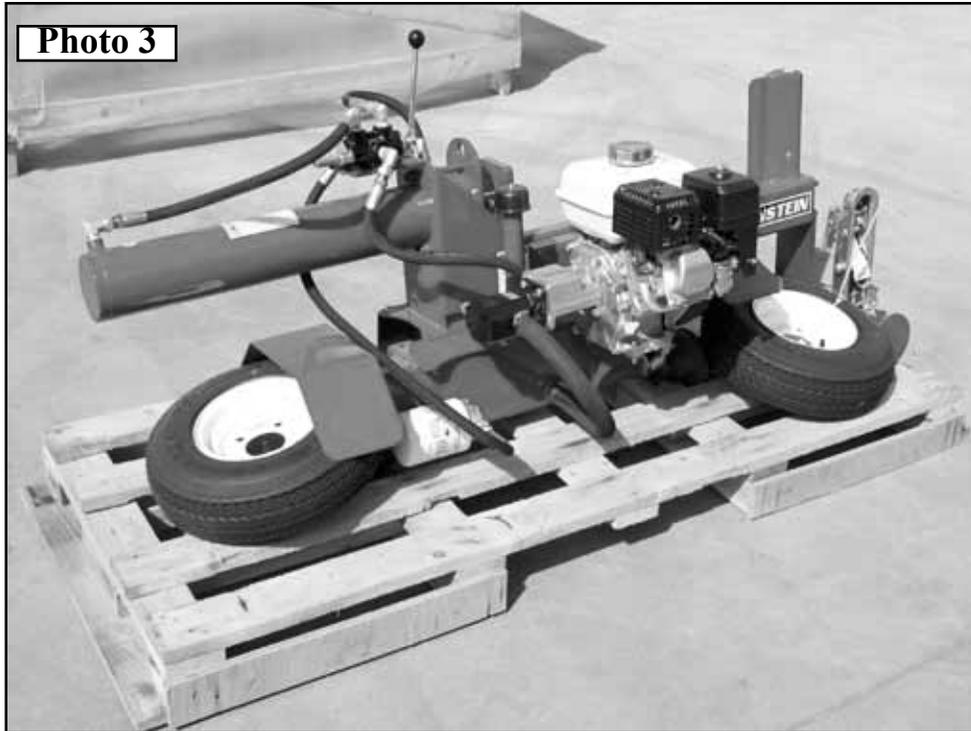
1. Remove all screws securing upper part of crate to lower skid. There are two (2) screws located at each of four (4) corners around the bottom of crate. **Photo 1**



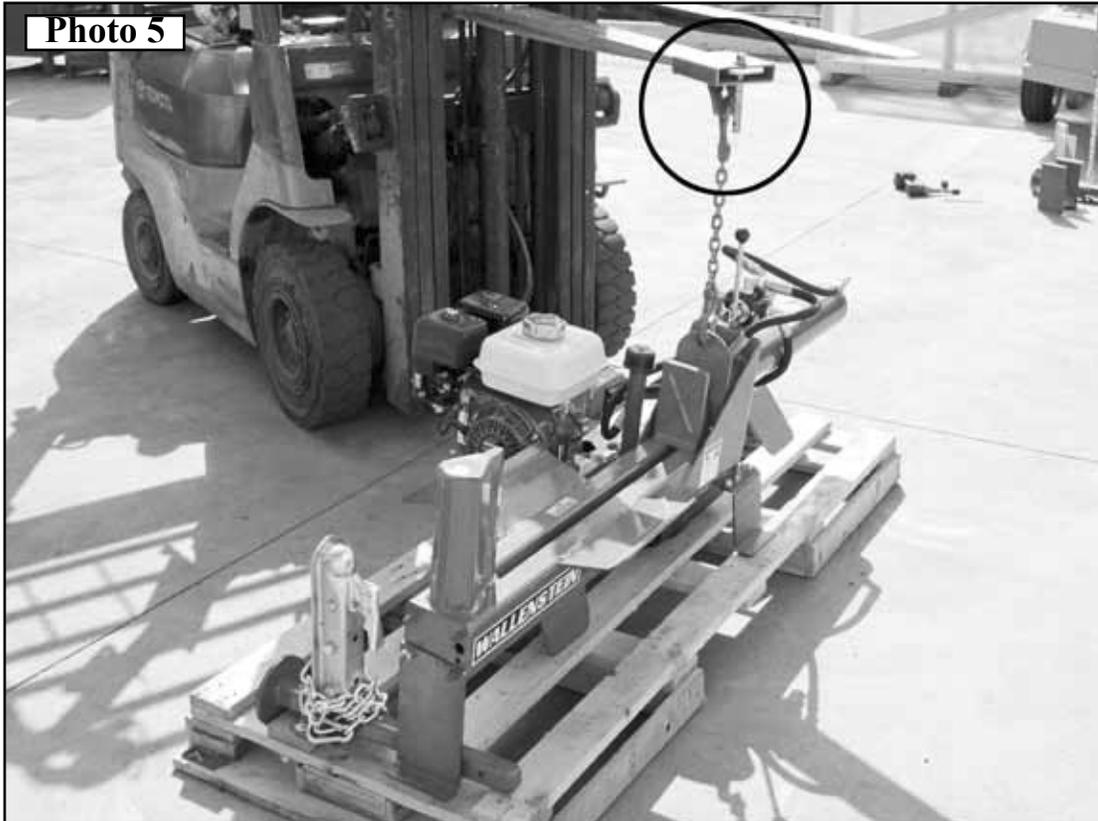
2. Remove the upper portion of crate. **Photo 2**



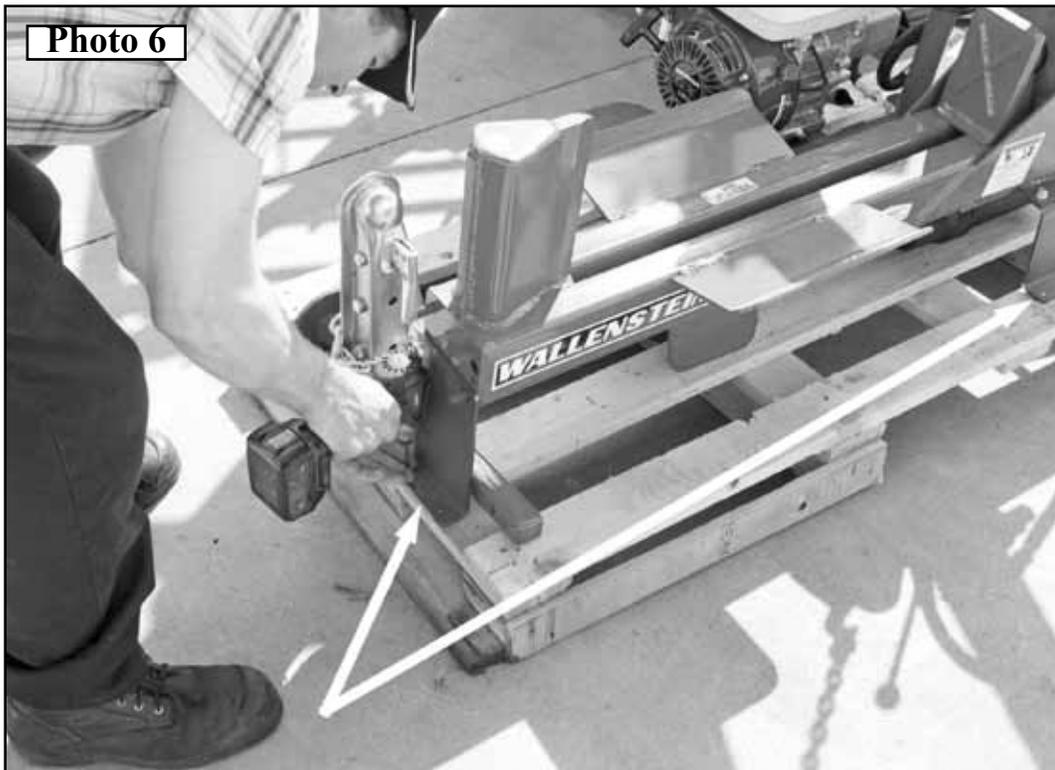
3. Locate tires and remove tie-wraps securing them to wood skid. *Photos 3 & 4*



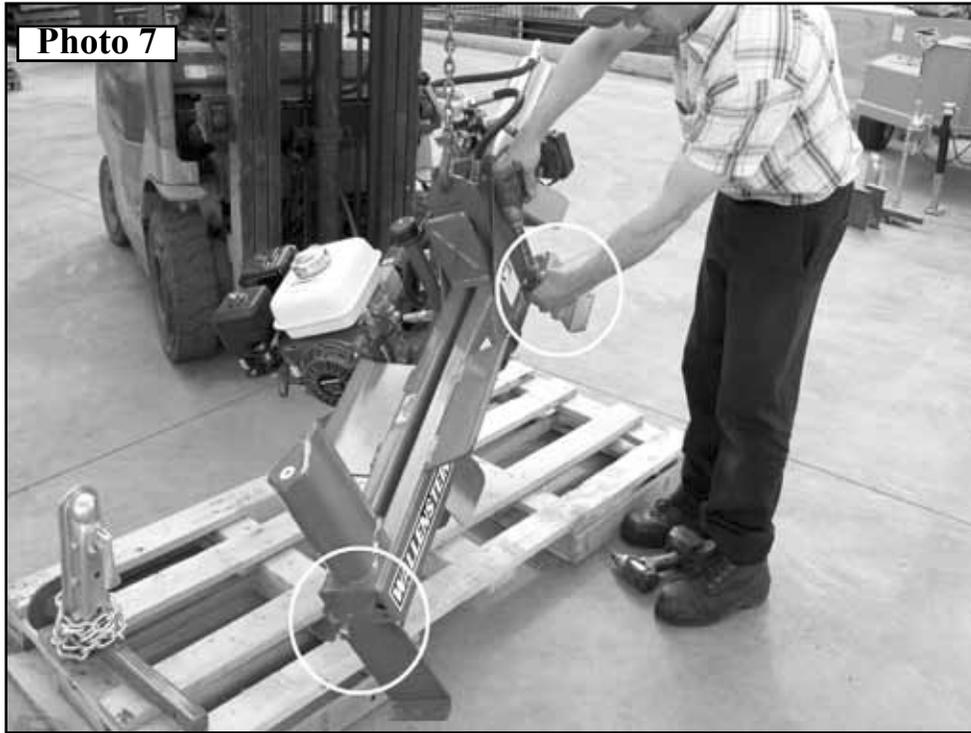
5. Using a lift truck or another convenient and SAFE method, secure one end of splitter (near hydraulic handle) to prevent it from falling over while removing shipping brackets. *Photo 5*



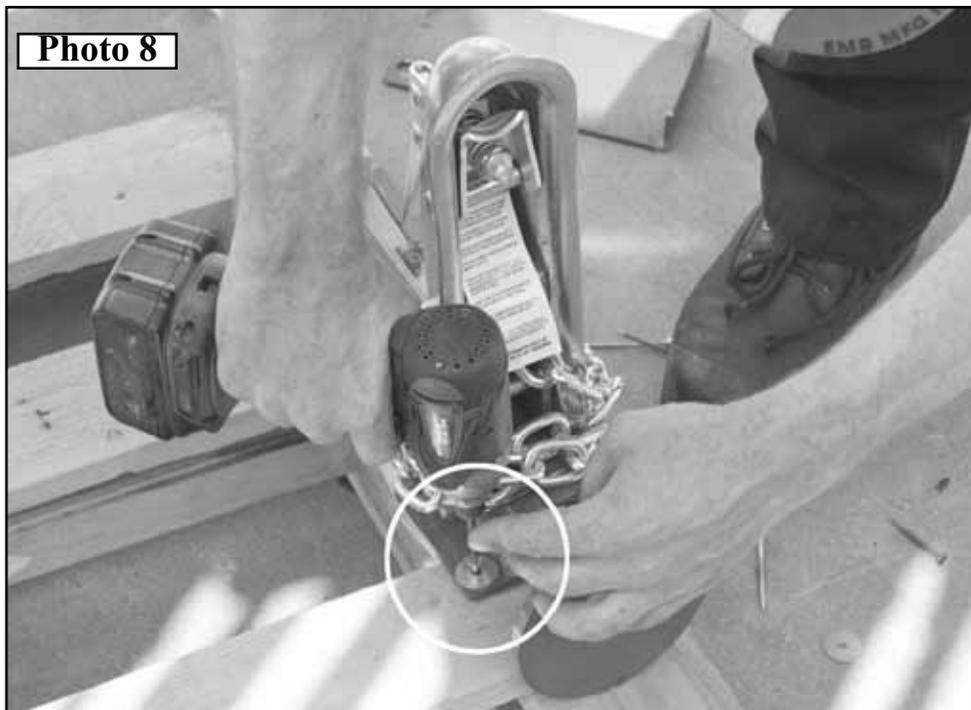
6. Unfasten both brackets at wood skid by removing wood screws. *Photo 6*



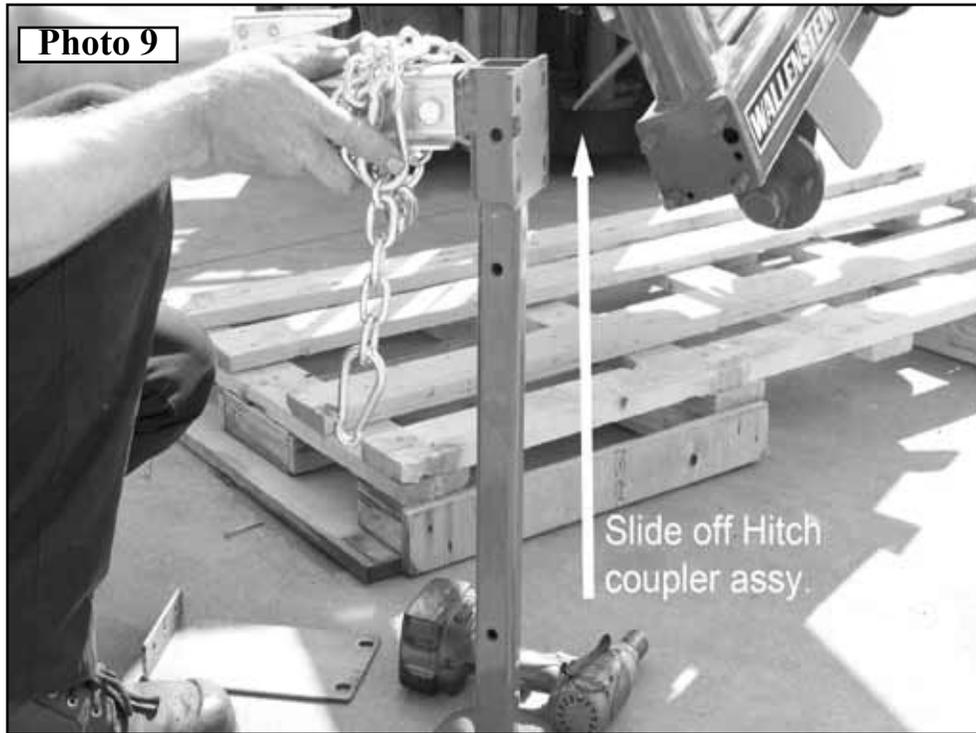
7. Suspend splitter slightly off skid and remove the shipping brackets from splitter.
Photo 7



8. Remove fasteners securing 2" Hitch Coupler and Jack Stand at skid *Photo 8*



8. Slide the 2" Hitch Coupler off Jack Stand *Photo 9*



9. Locate plastic Manual Tube and remove hardware located wrapped inside packaged Operator's Manual. *Photo 10*



10. Secure the 2" Hitch Coupler at the Splitter using four 1/2" Locknut *Photo 11*



11. Slide Front Jack into position at 2" Hitch Coupler Assy and secure with one (1) Snapper Pin 3/8 x 2-1/4 *Photo 12*



12. Swivel Axle Assembly 90 degrees to Main Base Weldment. *Photo 13*



Photo 13

NOTE

*There is one (1) 3/8 x 1 Carriage Bolt and one (1) 3/8" Flange Nut at this location to allow the Main Splitting Frame to swivel. **Photo 14***

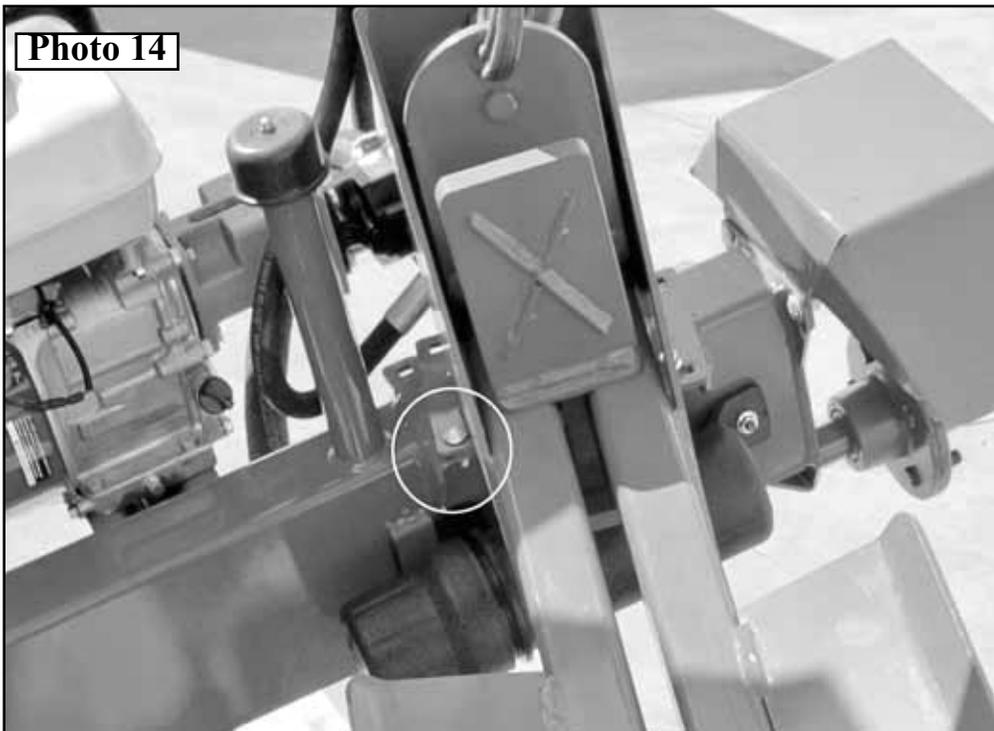
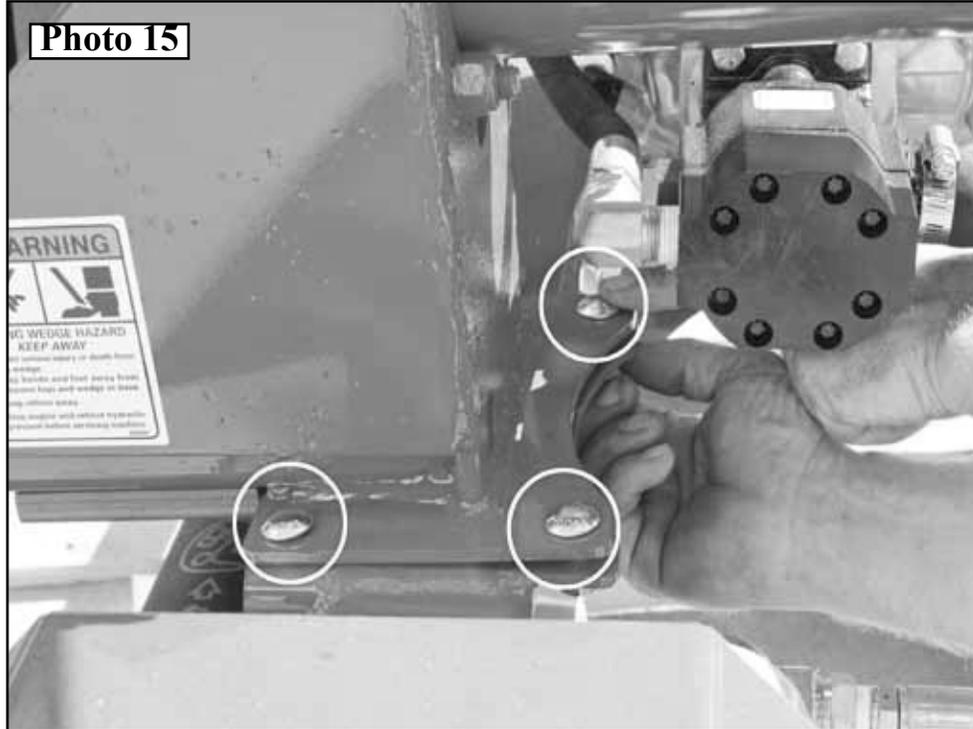


Photo 14

13. Install the remaining three (3) 3/8 x 1 Carriage Bolts and three (3) 3/8" Flange Nuts to the axle assembly and secure. *Photo 15*



14. Locate Right Side Fender and remove the single fastener securing the fender in the rear most position for shipping purposes. *Photo 16*



15. Reassemble the fender back to the right side moving it forward and securing it with two (2) 3/8 x 3/4 Carriage Bolts and two (2) 3/8" Flange Nuts. **Photo 17**



16. Install one (1) 4.80-8 LRB SportTrail 3-3/4 Solid, Right Side Tire and secure with four (4) Lug Nut 1/2NF. **Photo 18**



17. Install one (1) 4.80-8 LRB SportTrail 3-3/4 Solid, Left Side Tire and secure with four (4) Lug Nut 1/2NF. *Photo 19*



18. Gently lower completed splitter assembly to the ground. *Photo 20*

