

WALLENSTEIN

BY EMB MFG INC.

THREE POINT HITCH CHIPPER MODEL BXM42 ASSEMBLY INSTRUCTION MANUAL

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

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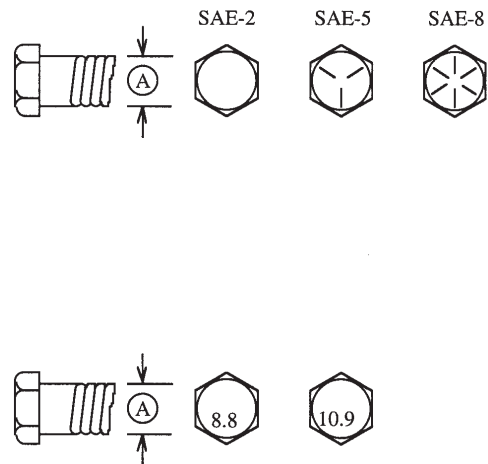
1.0 ASSEMBLY SAFETY

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. 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

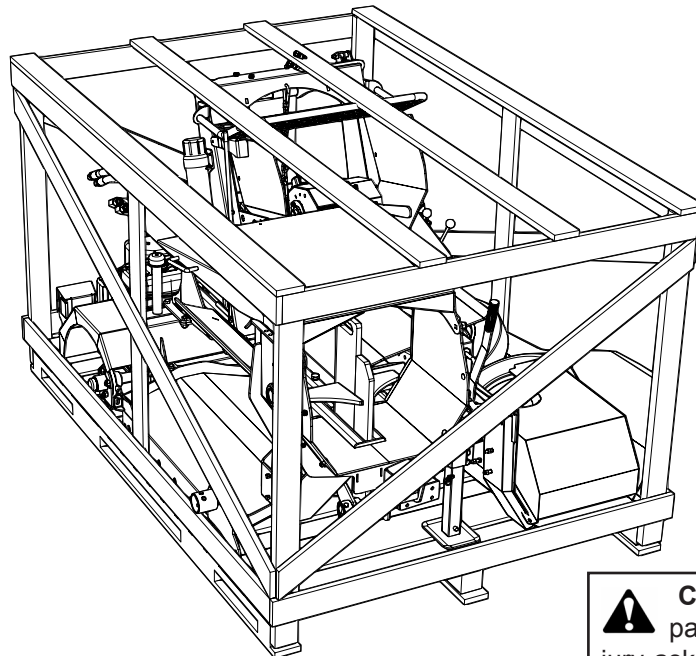
This assembly manual is for all trailer model wood processors. The BXM42 is used as an example but generally applies to all wood processor models. Model specific instructions are identified in the manual.

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.

Uncrating the BXM42 Wood Chipper

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**



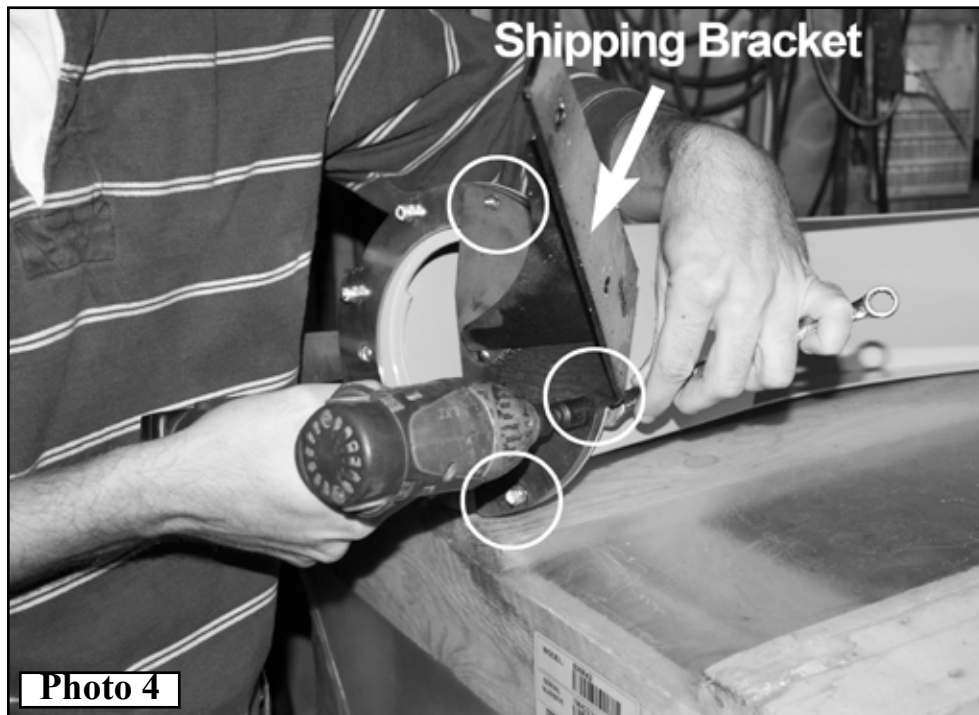
2. Enlisting a second pair of hands, remove the upper portion of crate. **Photo 2**



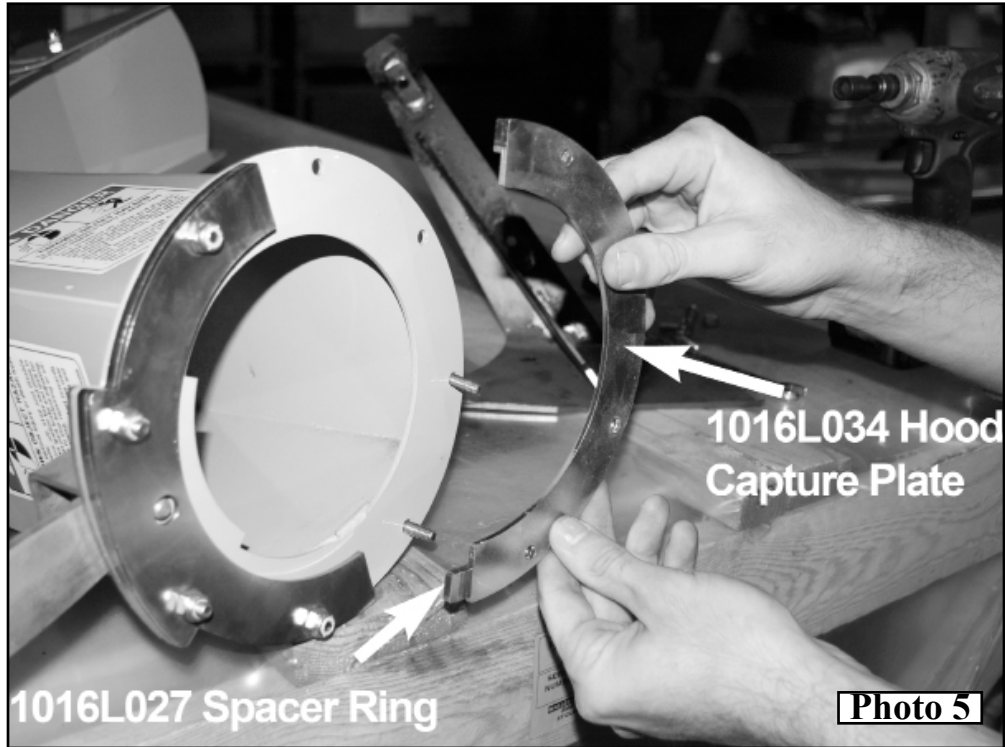
3. Locate metal shipping bracket temporarily securing Discharge Chute to BXM42 and remove fasteners. *Photo 3*



4. Remove Discharge Chute to a clean work surface and remove fasteners securing metal shipping bracket to Discharge Chute. Discard metal shipping bracket. *Photo 4*



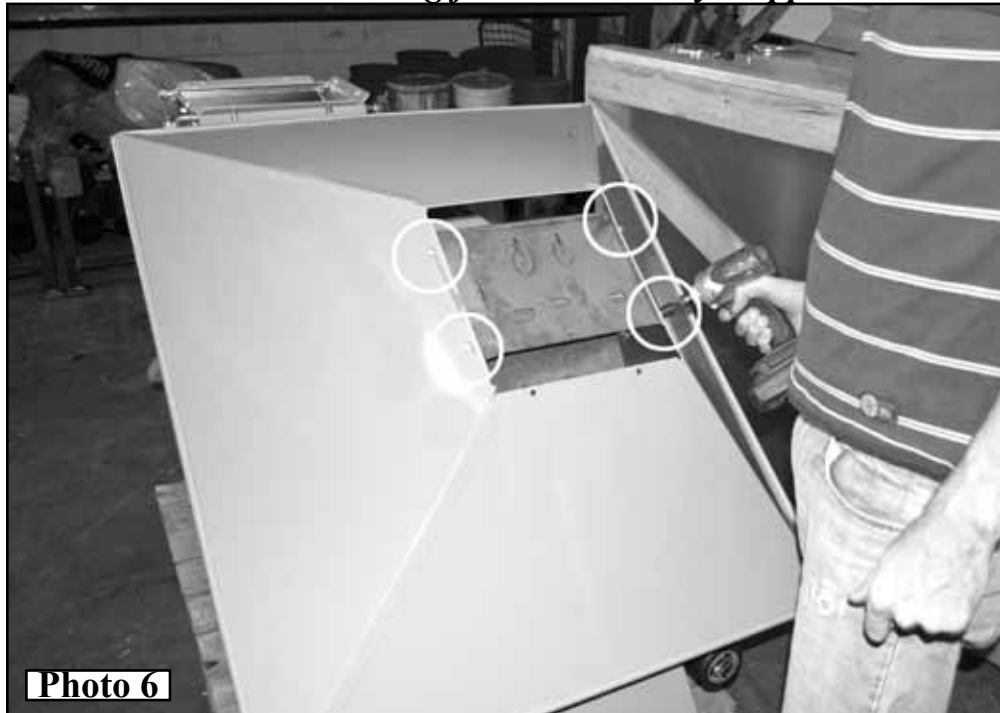
5. Remove Hood Capture Plate Ring and Spacer Ring halves located beneath the previously removed metal shipping bracket and set aside for further assembly later. Leave other half of rings installed as is. *Photos 5*



6. Remove (4) fasteners securing Shredder Hopper to metal shipping bracket. *Photo 6*

CAUTION

Exercise caution when removing fasteners. Steady Hopper with other hand.

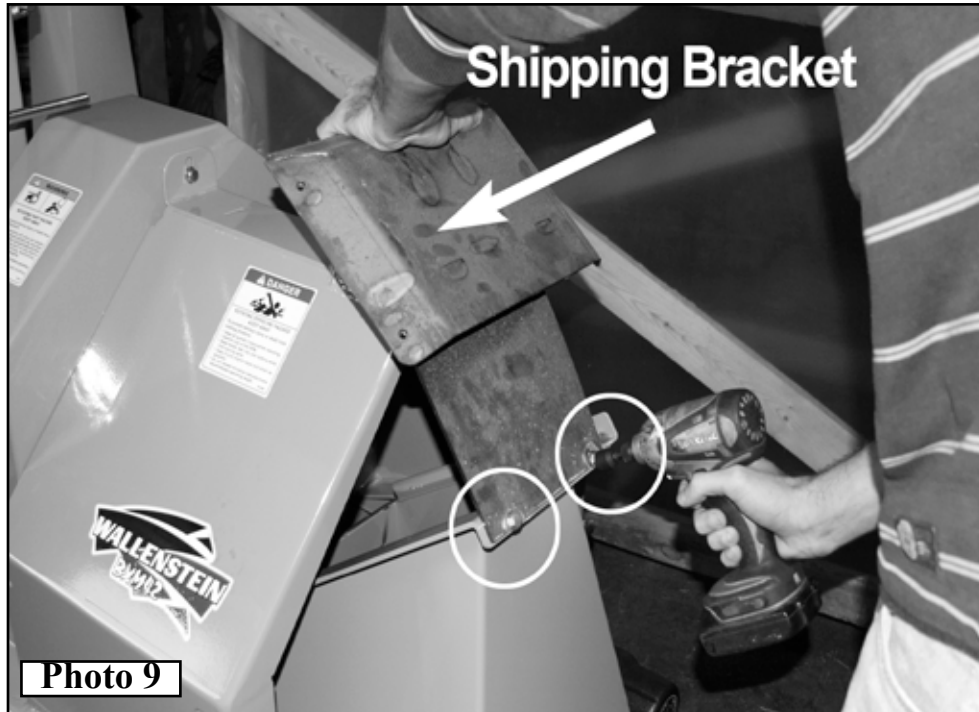


7. Lift Shredder Hopper off from BXM42 and set aside for further assembly later.
Photo 7



8. Remove hardware securing metal shipping bracket to BXM42 (at two locations) and discard bracket. *Photo 8 & (9 on following page)*.

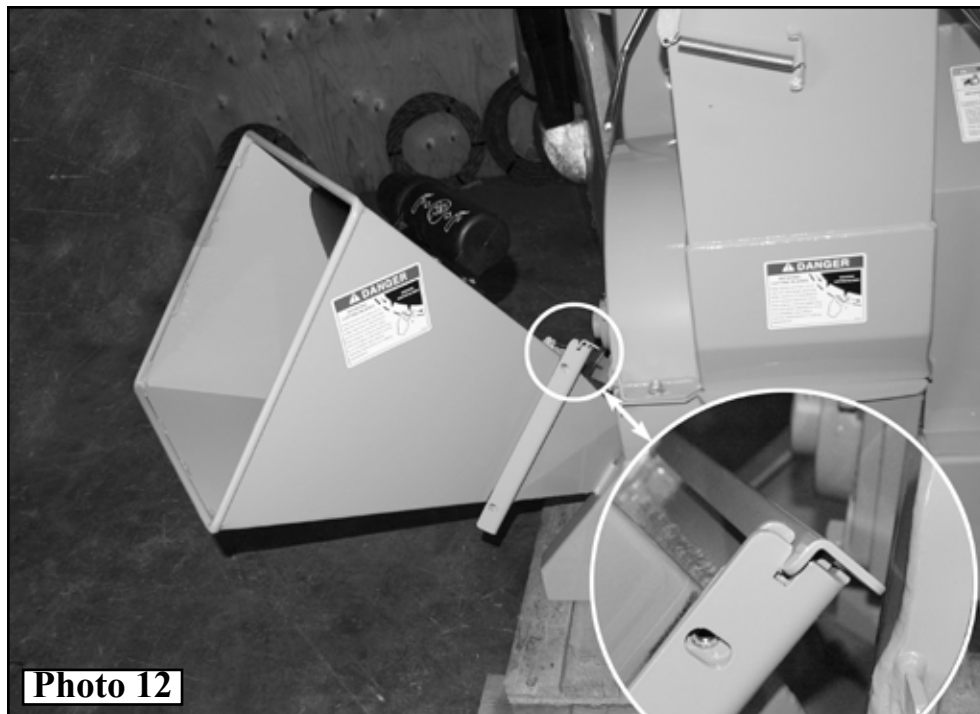
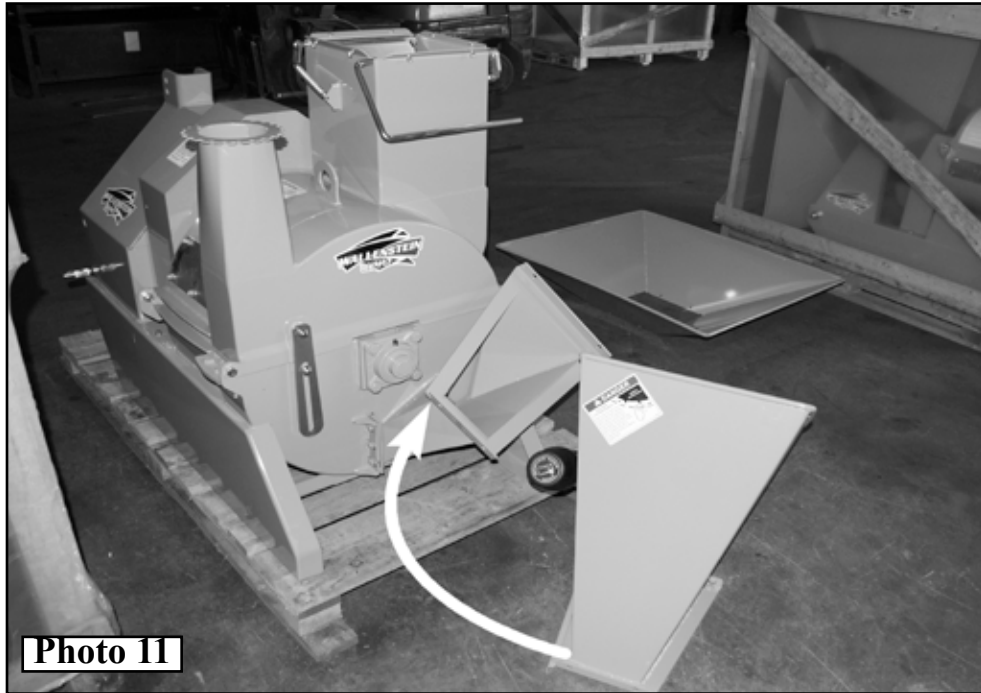




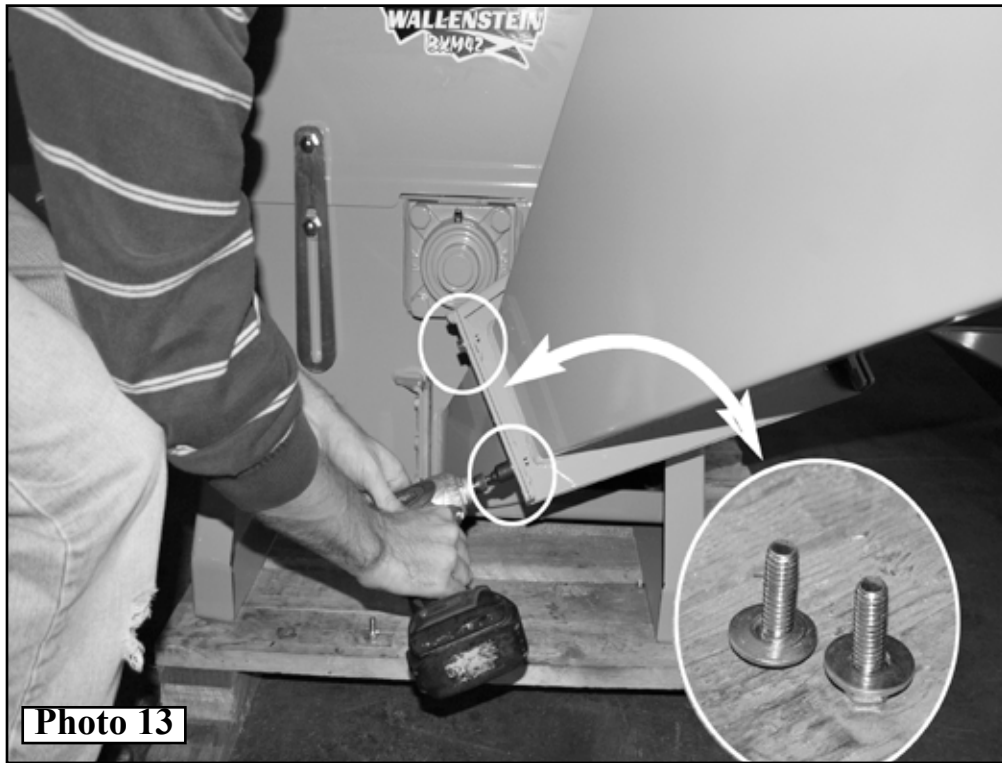
9. With metal shipping bracket removed, Slide Feed Hopper off wooden skid and move to location on BXM42 where assembly to Chipper will occur. *Photo 10*



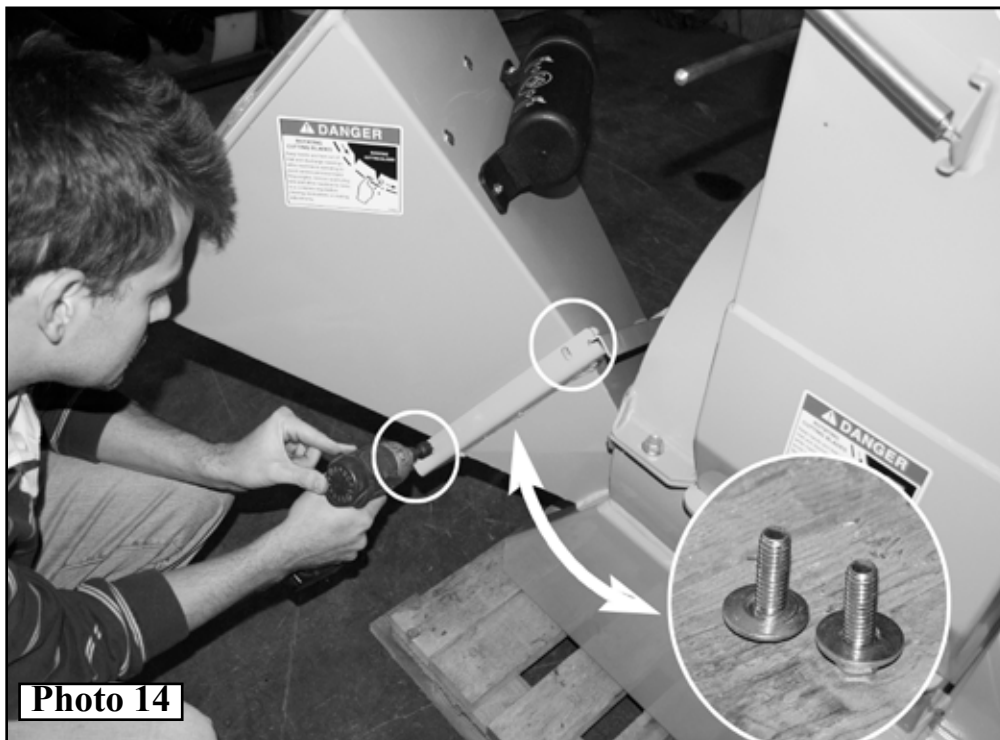
10. Install Feed Hopper at location illustrated in **Photo 11**. Slide top portion of Feed Hopper into slot provided at mount location (see **Photo 12 inset**,). Ensure alignment of threaded inserts on Feed Hopper with slots on BXM42.



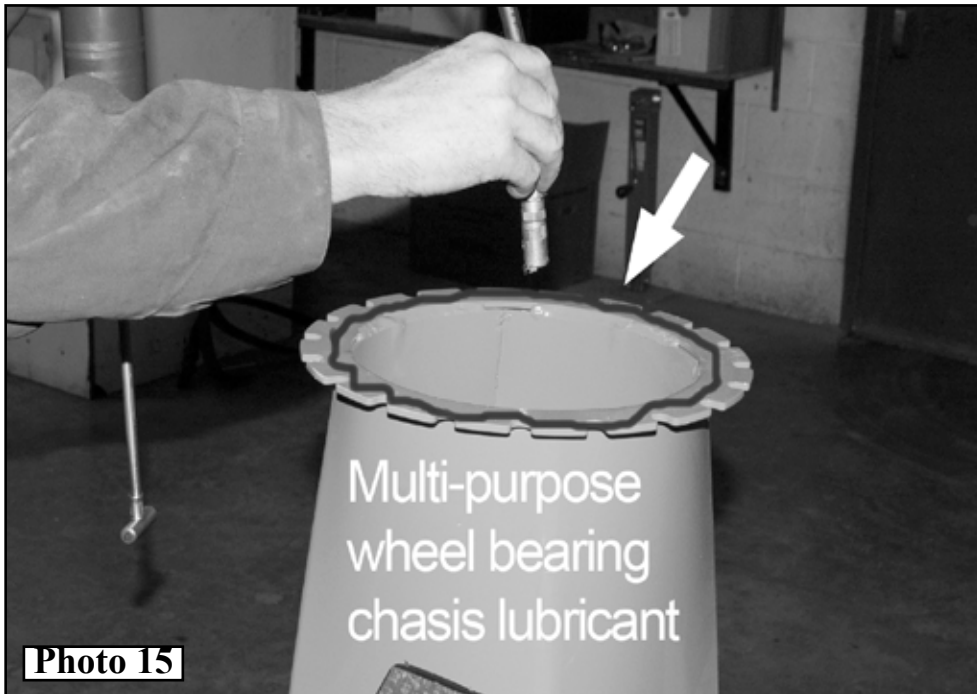
11. Secure Feed Hopper on left side with (2) Flange Bolt 5/16NC x 3/4. *Photo 13*



12. Secure Feed Hopper on right side with (2) Flange Bolt 5/16NC x 3/4. *Photo 14*



13. Apply some Multi-purpose Wheel Bearing/Chasis Lubricant to the top of Upper Rotor Housing (around the perimeter of the stack opening). **Photo 15**



14. Place the Discharge Chute to the top of the Upper Rotor Housing. Slide the installed Spacer Ring beneath the slotted lip of the Upper Rotor Housing. **Photo 16 & (17 on following page).**





Photo 17

15. Install second half of Spacer Rings. Slide the lower portion Ring beneath the slotted lip of the Upper Rotor Housing while at the same time aligning the holes of the upper Ring with the holes in the Discharge Chute. **Photo 18**

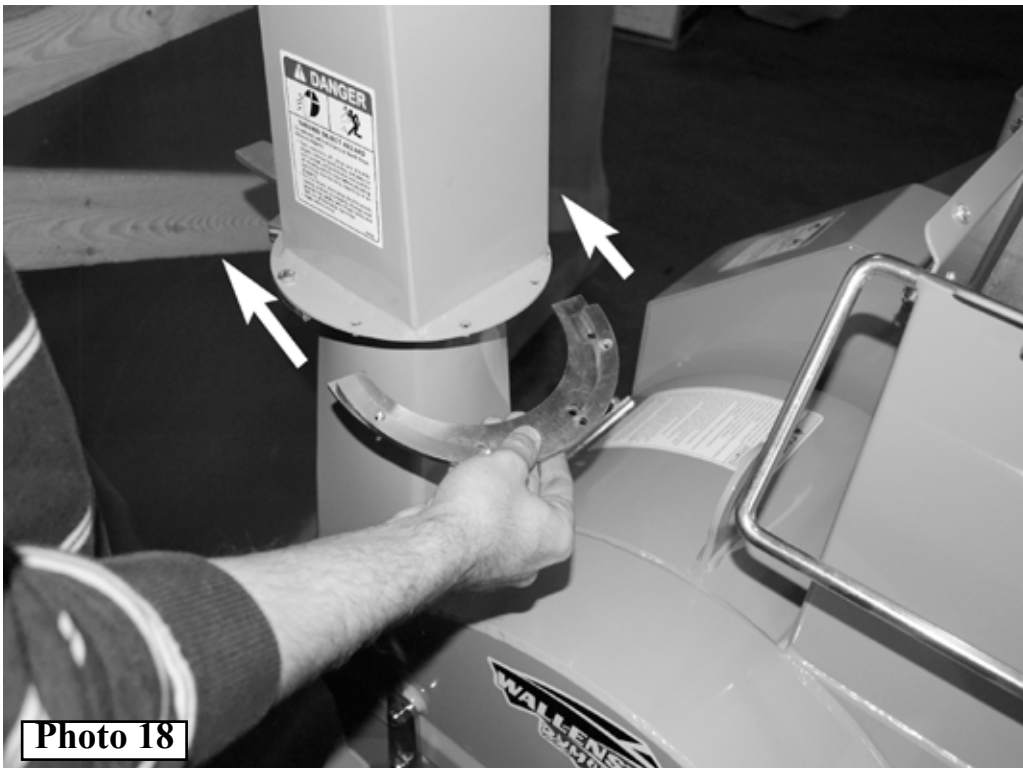


Photo 18

16. Secure Rings to Discharge Chute with the remaining **Hex Bolt 1/4NC x 1 & Hex Lock Nut 1/4NC**. *Photo 19*



Photo 19

17. Secure all hardware at Discharge Chute and swivel chute to test operation. *Photo 20*



Photo 20

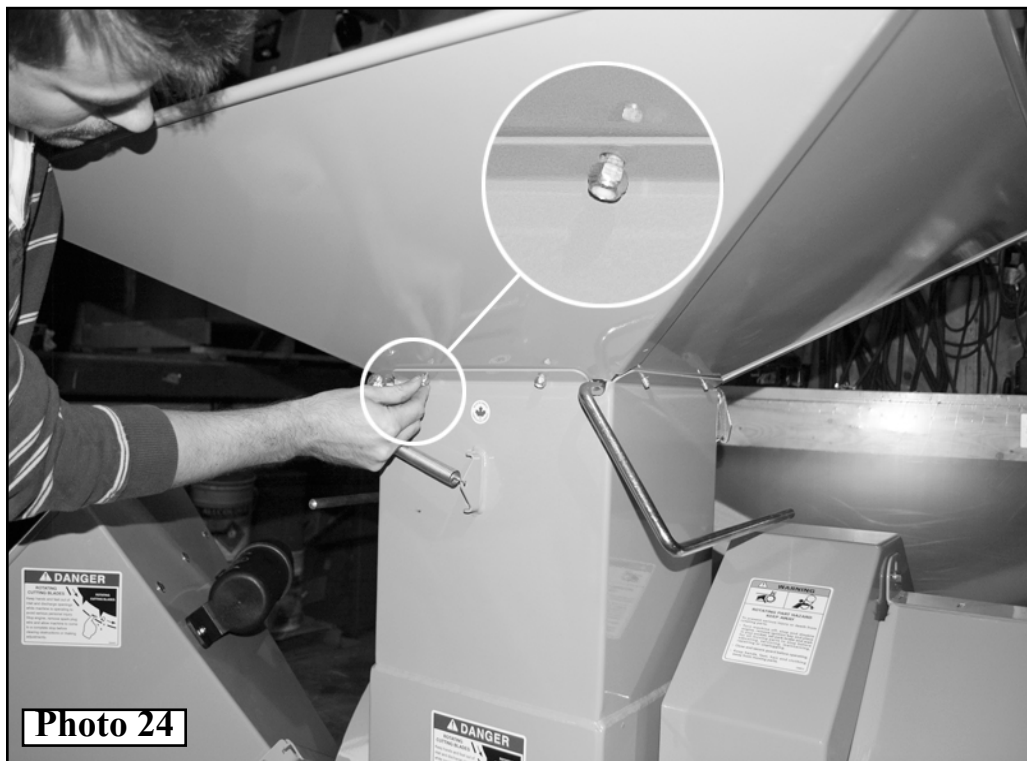
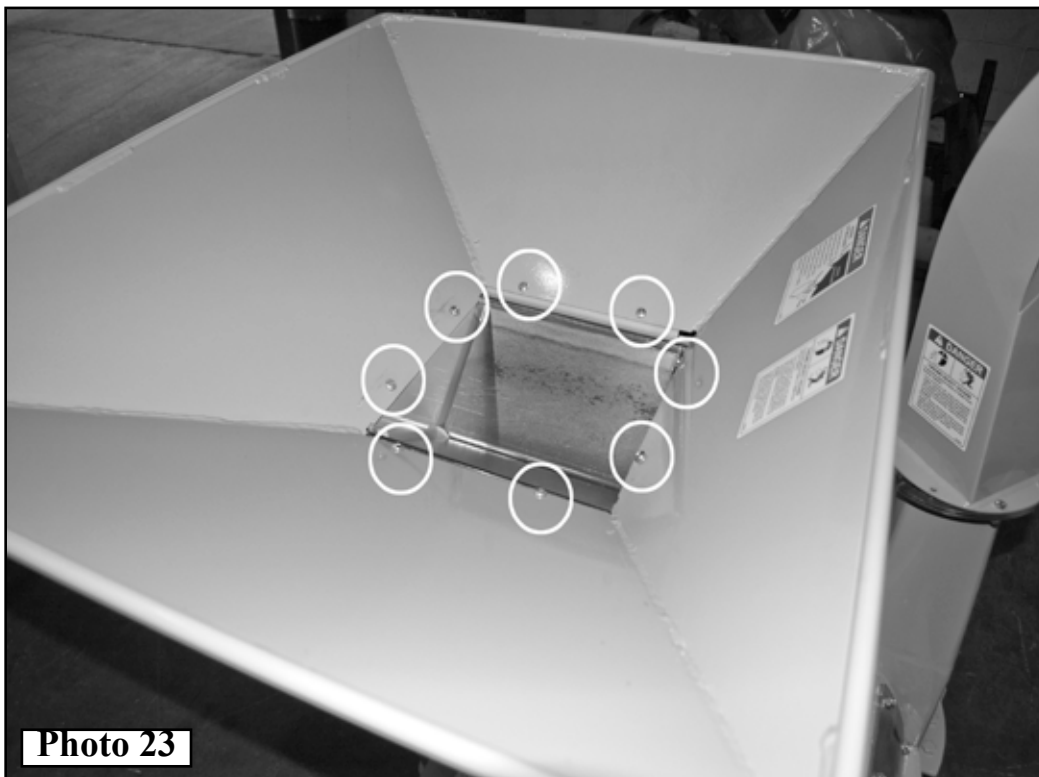
18. Remove mounting hardware for Shredder Hopper from top of BXM42. *Photo 21*



19. Place Shredder Hopper to top of BXM42 with widest side of hopper facing out. *Photo 21*



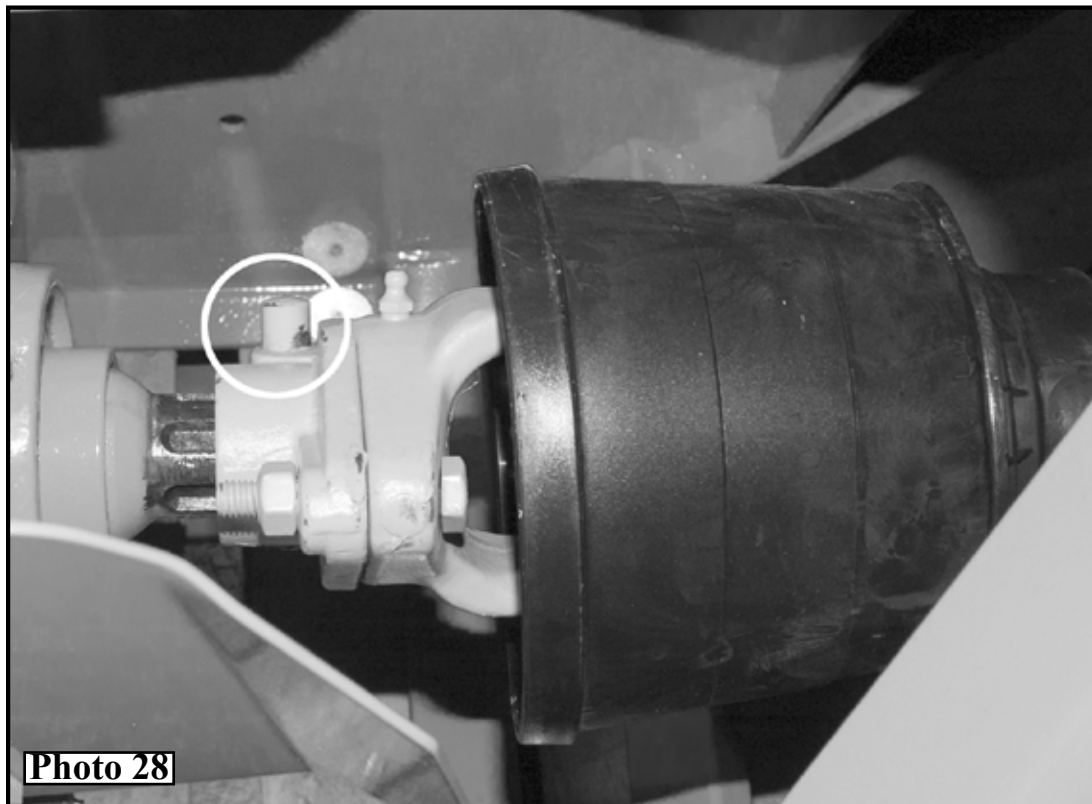
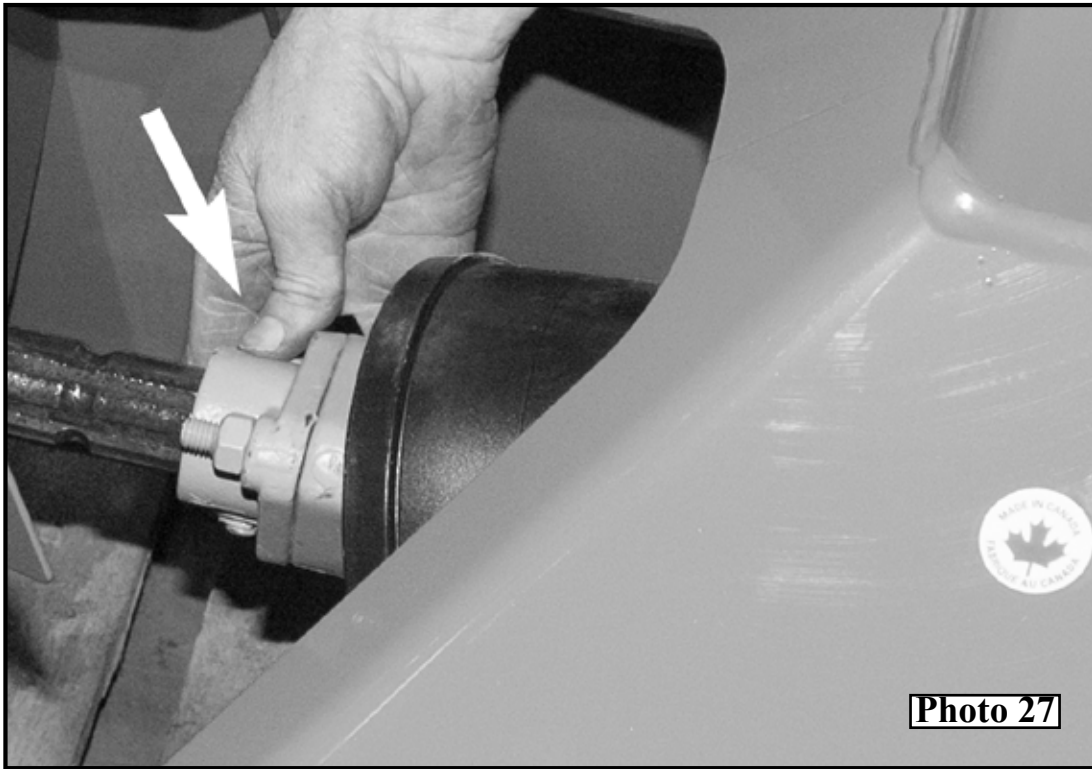
20. Secure Shredder Hopper to top of BXM42 using (8) Machine Screw 1/4NC x 3/4 and (8) Hex Lock Nut 1/4NC. *Photo 23 & 24*



21. Locate PTO Shaft and refer to decal for attachment orientation. *Photos 25 & 26*



22. Attach the PTO Shaft to BXM42 by aligning the splines and depressing the spring loaded button on the PTO. Slide the PTO on to shaft until button snaps back up in position. *Photos 27 & 28*



23. PTO Installed. *Photo 29*



Photo 29

24. Completed BXM42 assembly. *Photo 30*



Photo 30