

# **WALLENSTEIN**

BY EMB MFG INC.

**END GATE ACCESSORY KIT  
M7570 FOR MODELS MX50G/50P  
M7580 FOR MODELS MX80G/80P  
ASSEMBLY / INSTRUCTION MANUAL**

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

**EMB MANUFACTURING INC.**

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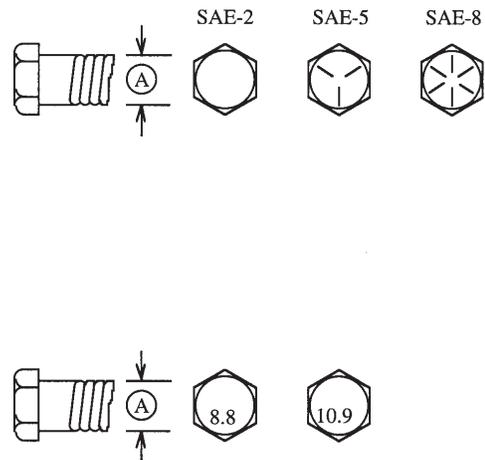
## 1.0 ASSEMBLY SAFETY

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 M7570 & M7580 End Gate Accessory Kit. The MX80 is used as an example but generally applies to all spreader models. Model specific instructions are identified in the manual.

The machine is shipped from the factory disassembled and boxed for easy moving and handling. Always use tools, equipment and fork lifts of appropriate size and capacity for the job.

Note:

M7570 fits

- MX50P (all serial numbers)
- MX50G SN# B07920001 and up

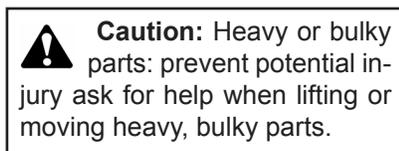
M7580

- MX80G SN# A0596023 and up
- MX80P SN# A0597011 and up

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

**When the unit 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.



1. Locate packing box containing End Gate with hardware & brackets. *Photo 1*



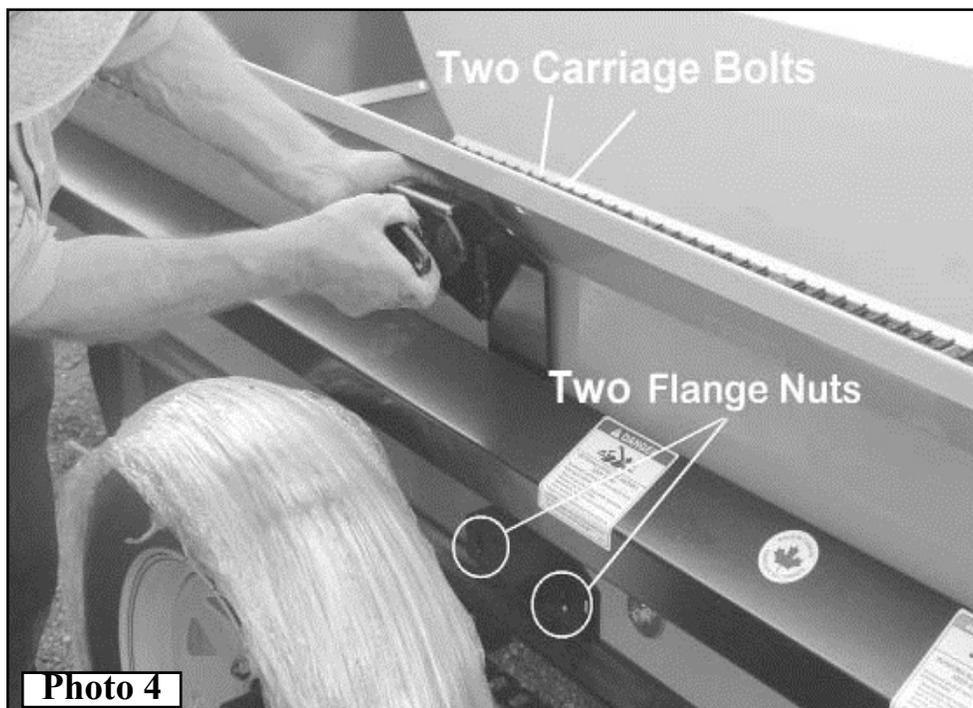
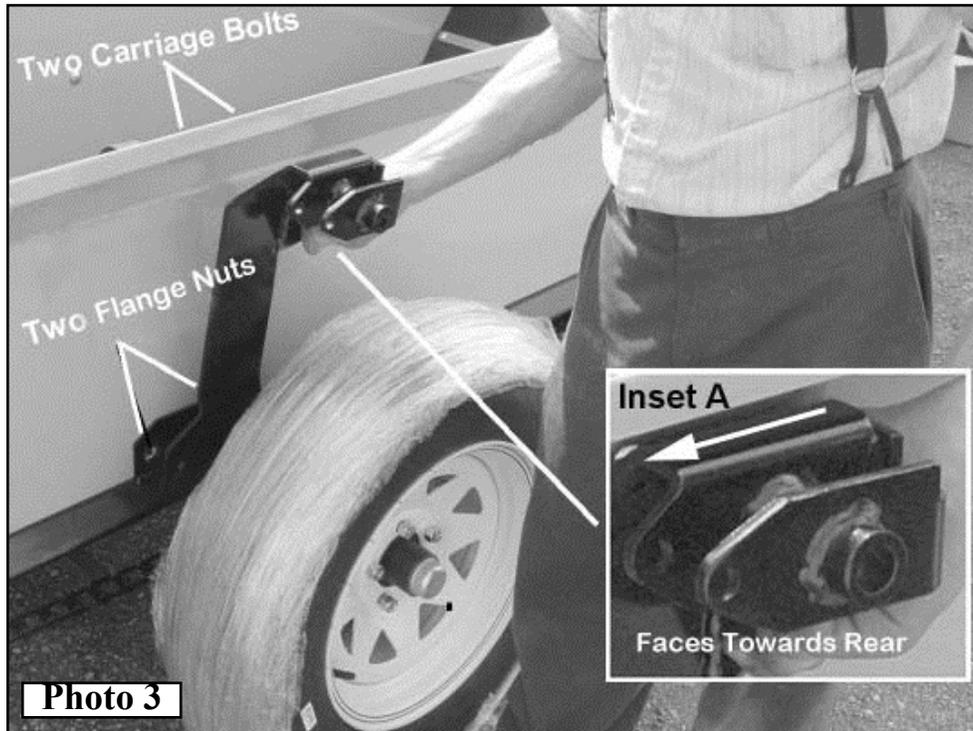
2. Remove the **Flange Nut**, 1/2NC at bracket behind wheels. *Photo 2*



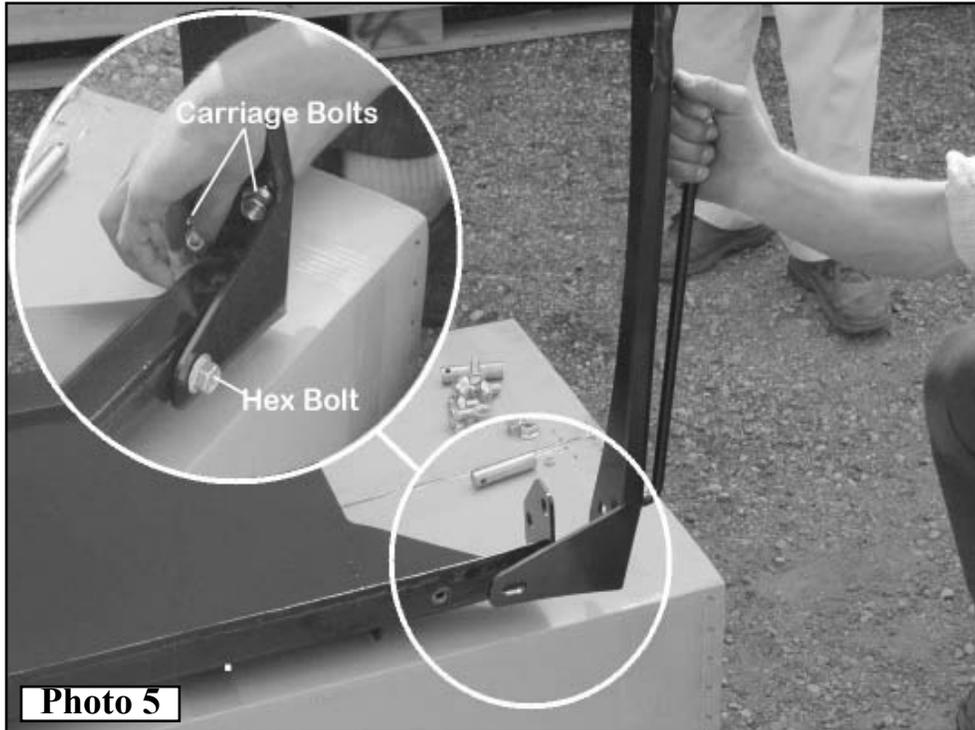
3. Attach the L.H & R.H End Gate Pivot Bases to the left and right side of the spreader. Orient as in INSET A. Secure with the (2) **Flange Nut, 1/2NC** (removed in Step 2) at the lower brace behind the tires. Secure with two (2) more **Carriage Bolt, 5/16NC x 3/4** and **Flange Nut, 5/16NC** at the upper Side Panels. *Photos 3 & 4*

## NOTE

*Base on left side of spreader is installed in behind PTO Drive Shaft Shield.*



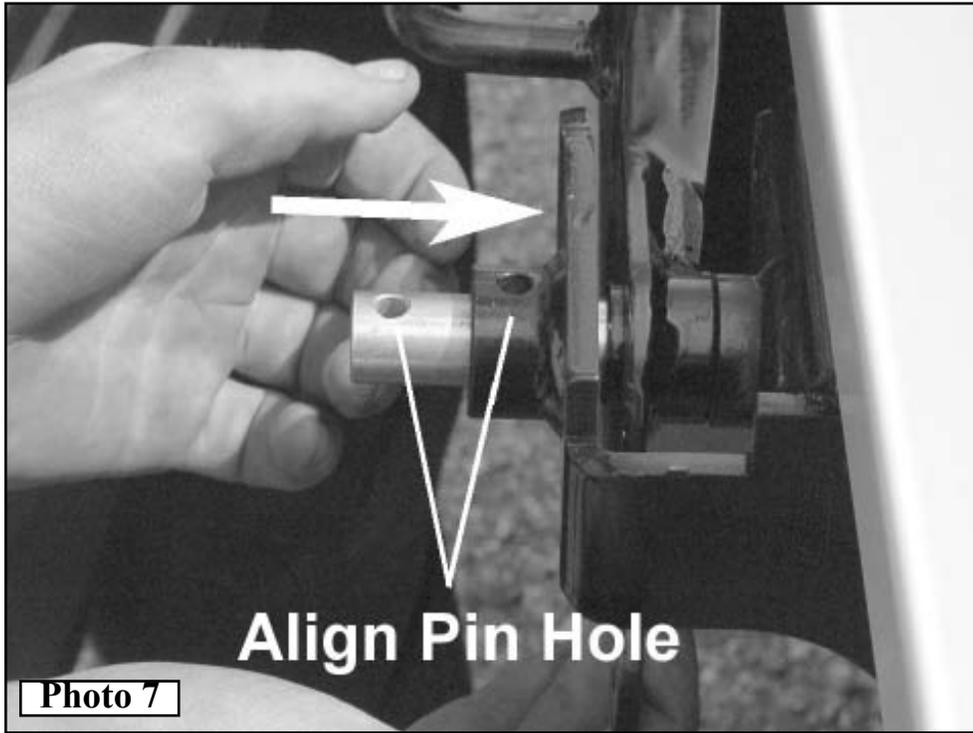
4. Loosley attach the L.H & R.H End Gate Swing Arms to each side of the End Gate using (2) **Carriage Bolt** 1/2NC x 1, (1) **Hex Bolt**, 1/2NC x 1 & (3) **Hex Lock Nut**, 1/2NC. *Photo 5*



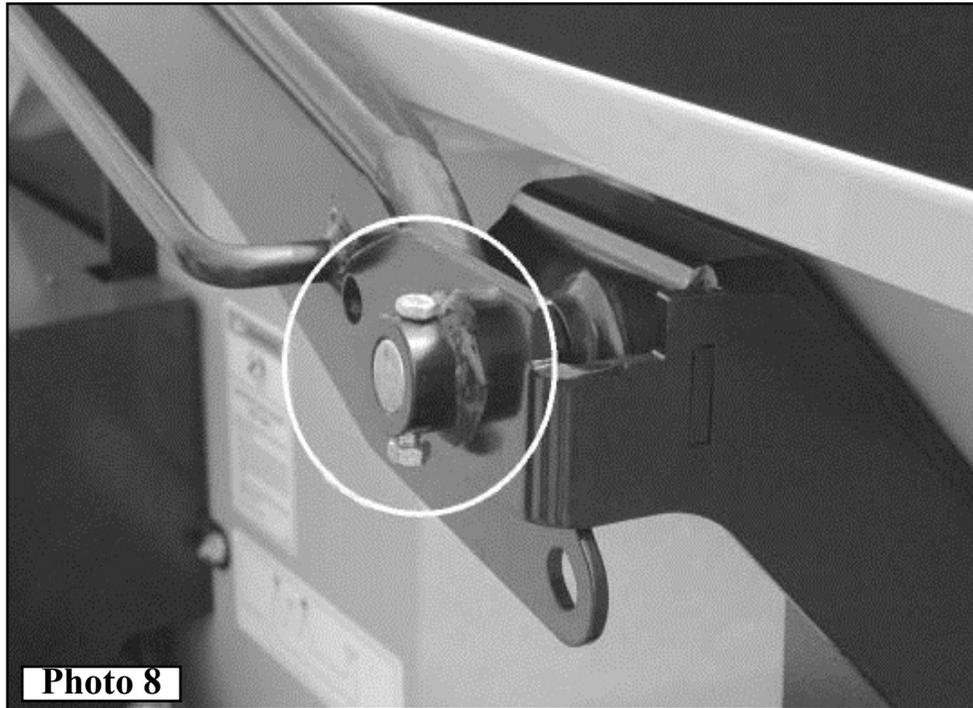
5. Install the End Gate assembly to the spreader attaching it at the pin locations on the previously installed End Gate Pivot Bases *Photo 6*



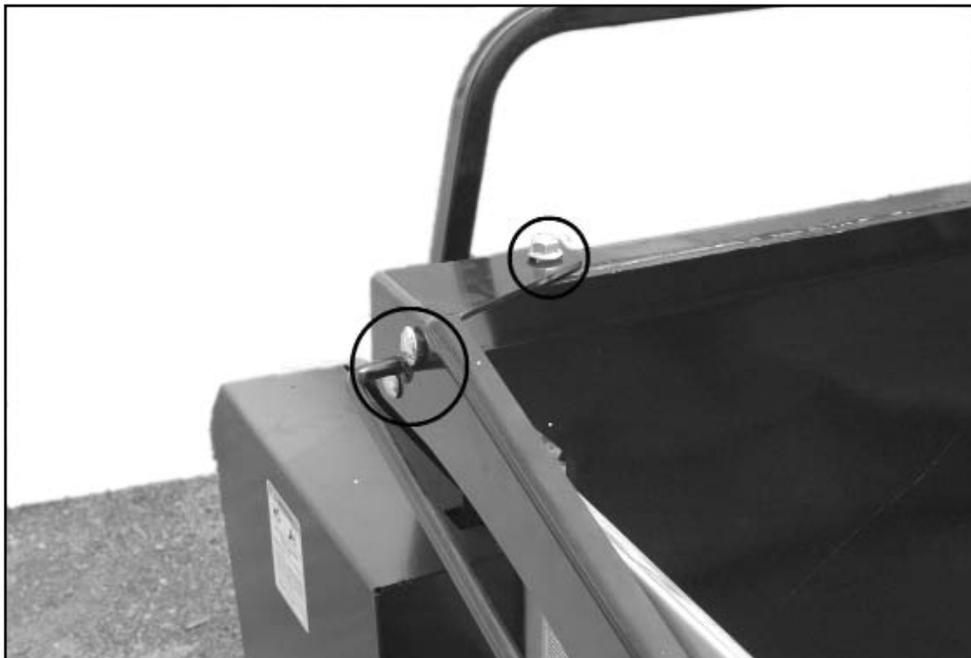
6. Insert End Gate Pivot Pin, aligning the hole of pin with hole in welded bushing on End Gate Pivot Base. *Photo 7*



7. Secure with (1) **Hex Bolt 1/4NC x 1-1/2** & (1) **Hex Locknut, 1/4NC**. *Photo 8*  
Repeat on other side.



8. Tighten down all hardware on both sides of End Gate. *Photos 9 & 10*

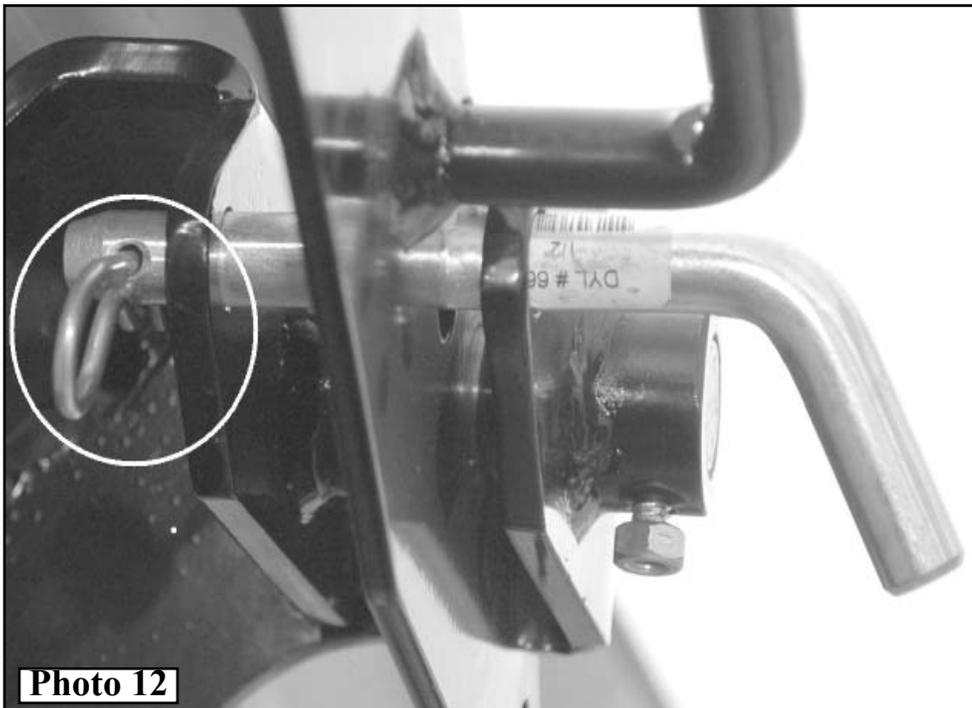
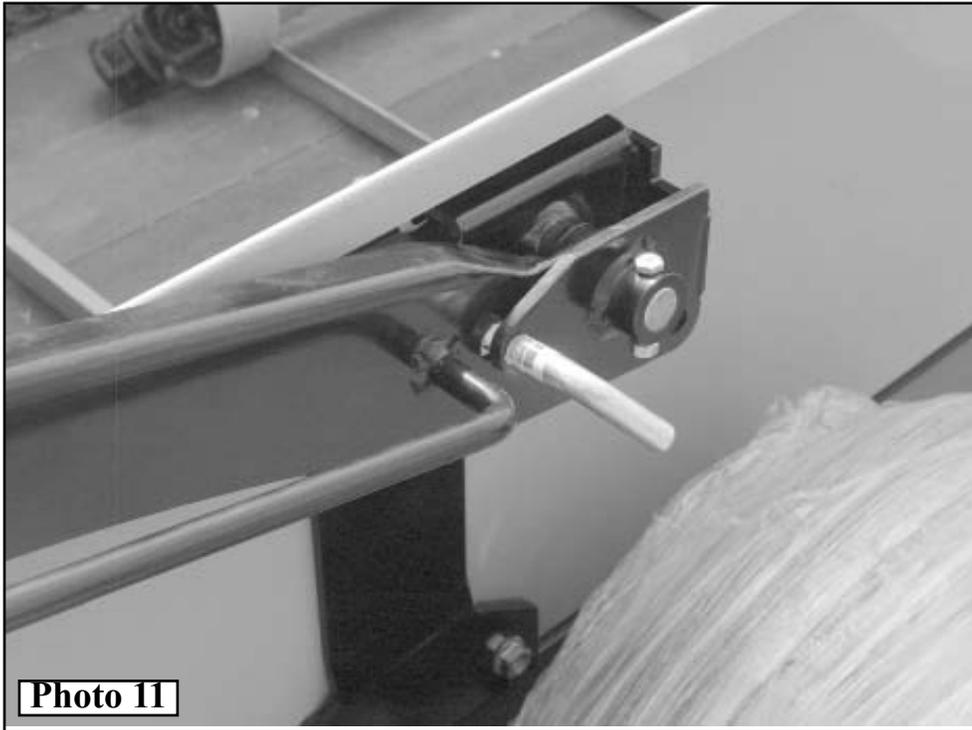


**Photo 9**



**Photo 10**

9. Place Locking Pin in at lowered position and secure with Snapper Pin. *Photos 11 & 12*



End Gate At Lowered Position. *Photo 13*



End Gate At Raised Position. *Photo 14*

