

**OPERATOR'S AND PARTS MANUAL NO. PB-6200-AS
4200/6200 GRAIN KIT INSTALLATION**

MEYER

**MODEL 4200/6200 GRAIN KIT
INSTALLATION MANUAL**



MANUFACTURED BY

Meyer Mfg. Corp.

574 West Center Avenue
P. O. Box 405
Dorchester, Wisconsin 54425-0405
Phone 715-654-5132 • Fax 715-654-5513
1-800-325-9103
sales@meyermfg.com
www.meyermfg.com



IMPORTANT INFORMATION

The serial number plate is stamped on the left hand side of the rear panel enclosure.
Please enter the model, serial number and additional information in the space provided for future reference.

Model No. _____
Serial No. _____
Date of Purchase _____
Dealership _____
Dealership Phone No. _____



Always use your serial number when requesting information or when ordering parts.

HOW TO READ YOUR SERIAL NUMBER

EXAMPLE: 1200013

Model Year / Model / Sequence Of Build

↓ ↓ ↓
12 00 013



SAFETY PRECAUTIONS



DANGER

indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.

WARNING

indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury.

CAUTION

indicates a potentially hazardous situation which, if not avoided, MAY result in death or serious injury. It is also used to alert against unsafe practices.

This is a supplemental installation instruction. It does not cover operation or maintenance. You must consult the operator's manual shipped with your 4200/6200 Series Forage Box and review safe operating and service procedures for your safety.

In addition, there are hazards associated with the installation of this unit.

FOR YOUR SAFETY

- Use lifting equipment with sufficient capacity to handle this unit.
- Park the forage box on a stable, level ground and securely chock all wheels.
- Keep work area clean and free of oily or slippery materials to prevent slipping or falling while working on this equipment.
- Do not work under any machine on this unit
- Wear head, eye and foot protection.
- Keep your body away from potential pinch points during installation.
- Beware of heavy weights of components when handling them.
- Be sure that any component is well balanced and secured with adequate strength chains or lifting straps while lifting.

WARNING

DISCONNECT PTO DRIVE SHAFT AND HYDRAULIC HOSE (RELIEVE HYDRAULIC PRESSURE) BEFORE CLEANING, ADJUSTING, LUBRICATING, OR SERVICING THIS FORAGE BOX. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

4200 GRAIN KIT HARDWARE PACKAGE

PART NUMBER	QTY	DESCRIPTION
25-0260-2	2	Lower Gate Clamp Tab
25-6054-4	1	Left Hand Receiver Mount Assembly Painted
25-6055-2	1	Right Hand Receiver Mount Assembly Painted
25-6058	1	Flow Control Handle Assembly
25-6060-1	1	Flow Control Mount Bracket
25-6061	1	Door Stop Pipe Storage Bracket
25-6062-1-1	1	Flow Control Handle/Pipe Coupler
25-6066	1	4200 Rear Reinforcement Weldment
25-6072	1	4200 RH Rear Sealing Plate
25-6073	1	4200 LH Rear Sealing Plate
25-6074	1	4200 Flow Control Handle Support Weldment
46-8500-7	1	Hydraulic Pressure Safety Decal
49-0031-42	2	4200 Side Metal Seal
49-0093	1	5" x 8" Main Roller Belting Seal
49-0112	1	4200 LH Rear Seal Plate Belt
49-0113	1	4200 RH Rear Seal Plate Belt
55-0029	1	3/4" x 36" Hydraulic Hose
55-0045	1	3/4" x 26" Hydraulic Hose
55-0049	2	3/4 x 65" Hydraulic Hoses
55-0053	1	3/4" Male x 3/4" Swivel Female Fitting
55-0076	1	Flow Control
55-0082	3	3/4 x 90° Street Elbow
65-0006-5	3	14" Nylon Tie Straps
804-0025-Z	30	1/4" Fender Washers Zinc
805-0031-Z	4	5/16 Flat Washer Zinc
805-0038-Z	30	3/8" Flat Washers Zinc
805-0050-Z	4	1/2" Flat Washers Zinc
809-SB86	14	1/4" x 5/8" Steel Rivet
810-2520-Z	14	1/4" Spin Locknut Zinc
810-3118-Z	12	5/16" Spin Locknut Zinc
810-3816-Z	28	3/8" Spin Locknut Zinc
811-3816-1.5Z	1	3/8-16 x 1-1/2" Eyebolt Zinc
815-2520-Z	2	1/4"-20 Nylon Insert Locknut
814-3118-Z	4	5/16-18 Indented Locknut
815-3816-Z	18	3/8-16 Nylon Insert Locknut
815-5013-Z	4	1/2-13 Nylon Insert Locknut
816-2510-1.25Z	14	1/4 x 1-1/4" Lag Screw
802T-3118-1.25SS	4	5/16-18 x 1-1/4" Stainless Steel Truss Head Machine Screw
850-3816-1Z	13	3/8-16 x 1" Carriage Bolt Zinc
851-2520-3Z	2	1/4-20 x 3" Machine Bolt Zinc
851-3118-2Z	1	5/16-18 x 2" Machine Bolt Zinc
851-3816-1.25Z	1	3/8-16 x 1-1/4" Machine Bolt Zinc
851-3816-1.75Z	26	3/8-16 x 1-3/4" Machine Bolt Zinc
851-3816-1Z	8	3/8-16 x 1" Machine Bolt Zinc
851-3816-2Z	2	3/8-16 x 2" Machine Bolt Zinc
851-5013-1.5Z	4	1/2-13 x 1-1/2" Machine Bolt Zinc
952-0001-7	3	7-1/4" Nylon Tie Straps
PB-6200-AS	1	6200 Grain Kit Installation Manual

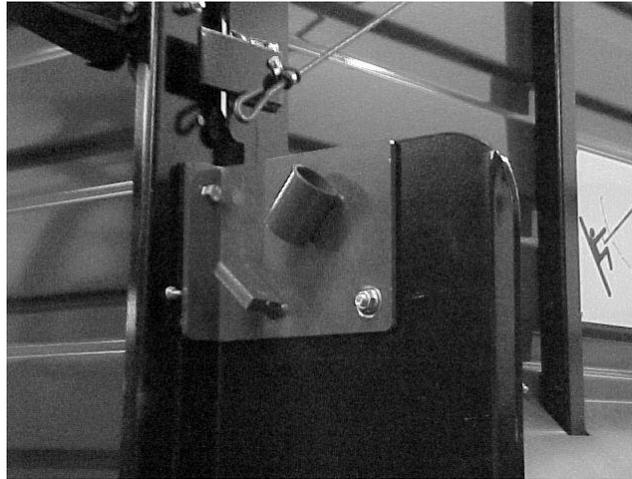
6200 GRAIN KIT HARDWARE PACKAGE

PART NUMBER	QTY	DESCRIPTION
100-7000-34	2	Rear Floor Belting Strip
25-0260-2	2	Lower Gate Clamp Tab
25-6054-4	1	Left Hand Receiver Mount Assembly Painted
25-6055-2	1	Right Hand Receiver Mount Assembly Painted
25-6058	1	Flow Control Handle Assembly
25-6060-1	1	Flow Control Mount Bracket
25-6061	1	Door Stop Pipe Storage Bracket
25-6062-1-1	1	Flow Control Handle/Pipe Coupler
25-6068-1	1	Floor Filler Piece, Left
25-6069-1	1	Floor Filler Piece, Right
46-8500-7	1	Hydraulic Pressure Safety Decal
49-0047	1	R.H. Main Apron Seal Belting
49-0096	1	L.H. Main Apron Seal Belting
55-0049	2	3/4x65" Hydraulic Hoses
55-0053	1	3/4" Male x 3/4" Swivel Female Fitting
55-0076	1	Flow Control
55-0082	3	3/4 x 90° Street Elbow
65-0006-5	3	14" Nylon Tie Straps
804-0025-Z	16	1/4" Fender Washers Zinc
805-0031-Z	4	5/16 Flat Washer Zinc
805-0038-Z	14	3/8" Flat Washers Zinc
805-0050-Z	4	1/2" Flat Washers Zinc
810-2520-Z	16	1/4" Spin Locknut Zinc
810-3118-Z	12	5/16" Spin Locknut Zinc
810-3816-Z	14	3/8" Spin Locknut Zinc
811-3816-1.5Z	1	3/8-16 x 1-1/2" Eyebolt Zinc
814-3118-Z	4	5/16-18 Indented Locknut
815-3816-Z	6	3/8-16 Nylon Insert Locknut
815-5013-Z	4	1/2-13 Nylon Insert Locknut
802T-3118-1.25SS	4	5/16-18 x 1-1/4" Stainless Steel Truss Head Machine Screw
850-3816-1Z	1	3/8-16 x 1" Carriage Bolt Zinc
851-2520-.75Z	14	1/4-20 x 3/4" Machine Bolt Zinc
851-2520-3Z	2	1/4-20 x 3" Machine Bolt Zinc
851-3816-1.75Z	3	3/8-16 x 1-3/4" Machine Bolt Zinc
851-3816-1Z	14	3/8-16 x 1" Machine Bolt Zinc
851-3816-2Z	2	3/8-16 x 2" Machine Bolt Zinc
851-5013-1.5Z	4	1/2-13 x 1-1/2" Machine Bolt Zinc
952-0001-7	3	7-1/4" Nylon Tie Straps
PB-6200-AS	1	6200 Grain Kit Installation Manual



STEP 1: GATE SUPPORT ROD BRACKET INSTALLATION

Remove the top 3/8 x 1" machine bolt on the left bearing plate and bolt up the door stop pipe storage bracket (25-6061) using the existing hole. Use a new 3/8 x 1-3/4" machine bolt and 3/8" nylon insert locknut to fasten in place. On the other hole use a 3/8 x 1" carriage bolt and 3/8" spin locknut. (See photo below.)



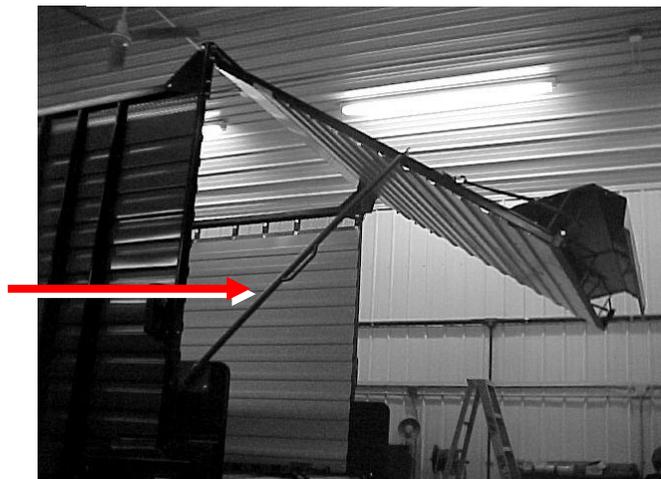
STEP 2: GATE SUPPORT ROD

Reach under the shield and lift the gate latches up on both sides to release the gate latches from the catch cogs on the main roller drive shaft. A rubber tarp strap may be used to hold the latch open on each side. After installation, make sure to remember to remove rubber tarp straps. Use an appropriate lifting device and lift open the rear gate. Install the door stop pipe assembly (25-6059) into the pipe on the above bracket and insert the pin into the existing lower hole in the plate on the rear gate to support the gate in the open position.



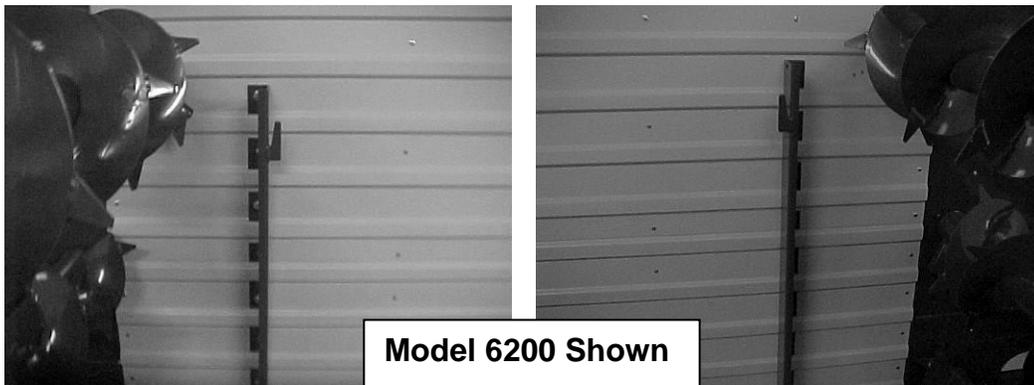
GATE MUST BE PROPERLY SUPPORTED TO KEEP IN THE OPEN POSITION WITHOUT FALLING! SERIOUS INJURY OR DEATH MAY RESULT IF GATE FALLS UNEXPECTEDLY. (See photo below.)

**25-6059
Door Stop
Pipe Assembly**



STEP 3: OPTIONAL FALSE FRONT GATE INSTALLATION (If Optional False Front Gate Wasn't Purchased, Skip To Step #5)

From the inside of the box, locate the second vertical upright from the front. Drill out the lower 1/4" rivet (*Poly Floor Models* – this is the rivet that holds the stainless steel chain guide on) with a 9/32" drill bit. Count the gaps between the small ribs and using the first drilled out rivet as number one, drill out numbers 2, 4, 6, 8 & 10. Some holes will be drilling rivets out from the inside of the box and on the some holes it may be necessary to go to the outside of the box (6200 Models). Using the precut holes in the upright for hole location, drill through the ribbed metal from the outside. After all holes have been drilled with the 9/32" bit, drill out to 13/32" for 3/8" bolts. Position the gate receiver bracket up against the ribbed metal and bolt in place using the 3/8 x 1" carriage bolts, 3/8" flat washers and 3/8" spin locknuts in your False Front Gate Kit. Bolt from the inside out. Before tightening, lift the receiver bracket up slightly to center between the small ribs in the side panels. Tighten up firmly. Note the hooks on the receiver brackets must be facing rearward. Do the same to both sides. See photos below.



STEP 4: INSTALLING GATE

Once the left and right receiver brackets are mounted into place the false front gate can be installed. Simply hang the gate onto the hooks on the receiver brackets. Force the gate downward until the sleeves on the upper top two corners line up with the slots in the brackets. Install the snap ring (#32-0029) as shown.

NOTE: GATE AND RECEIVERS MUST BE REMOVED WHEN UNLOADING FORAGE OTHER THAN GRAINS OUT OF THE REAR OF THE FORAGE BOX! DO NOT UNLOAD OUT OF THE FRONT WITH GATE IN FORAGE BOX!



When the False Front Gate and mounting brackets have been removed, replace the 3/8" bolts to fill the holes.

STEP 5:
(Model 6200 Belting Seal & Floor Plate Installation)

Install the Gate Support Rod holding the rear gate open if it is not already. Loosen the tension on the apron chains. Locate the apron tensioners towards the middle of the forage box, underneath the box frame. There is one located on the right side of the box for the right apron chain, and likewise for the left side.

Carefully turn the locking nut off and then remove the nut, washer, and spring and set aside. Repeat the above step again for the second apron.

Once you have loosened each apron, pull the apron away from the rear sprockets so you have room to fit your new seal pieces. As shown, you can see the left apron has been loosened and pulled away from the sprocket. The right apron is still tight around the sprocket.

Floor Seal Plates

Next, locate the two vertical belting strips hanging below the rear apron drive shaft. Remove the seven bolts attaching each belt to the welded strip on the box frame. Keep the belting, bolts, nuts, and fender washers to be used again later.

Take the two formed sheet metal pieces, one for the left apron chain, and one for the right apron chain. They are notched so that only one piece will work for the left, and the other will fit on the right side. Locate the left apron piece and insert it around the apron chain to fit up underneath the white poly floor. The slots in the metal piece should line up with the holes in the welded metal strip that was used to attach the rubber belting. The bent leg of the metal piece should bump up to the bottom of the poly floor, and stick out towards the drive shaft. In the picture to the right, notice the left formed piece underneath the poly floor. The picture below shows a view of the left end of the left apron floor seal from underneath the box. Repeat the above step to insert the right apron floor seal underneath the poly floor.



Once the metal floor pieces are fully secured, locate two longer slots in each metal piece that run the length of the box. With a drill bit, drill a hole in the poly floor, centered in each of the four total slots. Insert one 5/16" stainless truss head machine screw in each hole and place a washer on the bottom side, along with an indented locknut.



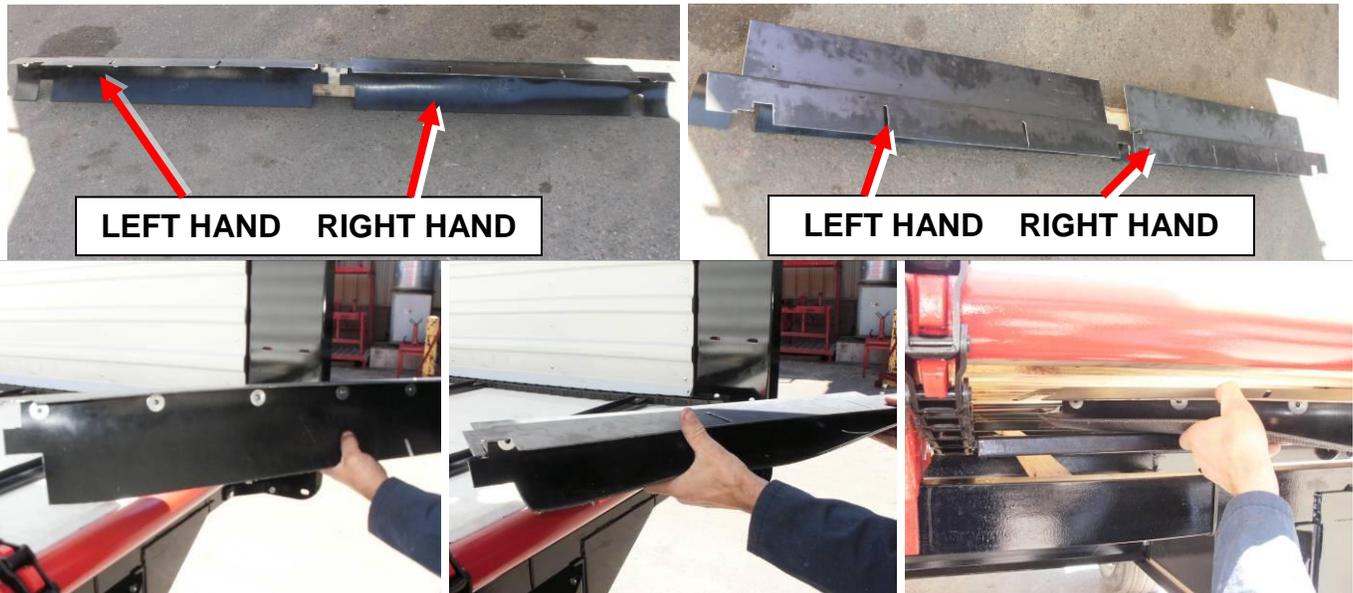
Tighten the nut enough so the bolt can turn freely. This will allow the bolt to move in the slot if the poly floor expands/contracts.

Retighten both apron chains. See your 6200 Owner's Manual in the Adjustments Section for proper chain tightening, or go to our website www.meyermfg.com and look for your model on the Manual page.

Belting Seal

Drill 9/32" diameter holes through the belting and bolt in place using 1/4 x 3/4" machine bolts, 1/4" fender washers and 1/4" spin locknuts. The belting will now be bolted to the backside of the new metal piece. The bolts will go through the belting, the horizontal slots in the new metal piece, and then through the welded metal strip. The fender washers will still be up against the belting strip, and the nuts will be on the backside of the welded metal strip. Match the notches to the main apron chain with the narrow notches towards the center of the box and the shiny side of the belting will be facing to the rear of the box. Lower the notches down so they just clear the chain and clamp in place. Tighten down securely. Note: If the slat interferes with drilling the belting from the underside, mark the holes with a suitable marker and remove the belting for drilling. Do both sides, 7 bolts per side. Fully tighten all bolts.

STEP 5:
(Model 4200 Belting Seal & Floor Plate Installation)



Fully loosen main apron chains. Take the RH seal plate assembly and slide it in under the floor at an angle with the center end in first. Lift up and bring toward the main roller.



Insert the side toward the outside of the box first. Next slide the side toward the center in lifting up and around the center main roller bearing support bracket bolt. Then slide the whole assembly back toward the main roller so that there is a 1/8" gap between the main roller and the seal kit plate. Clamp to hold in place.

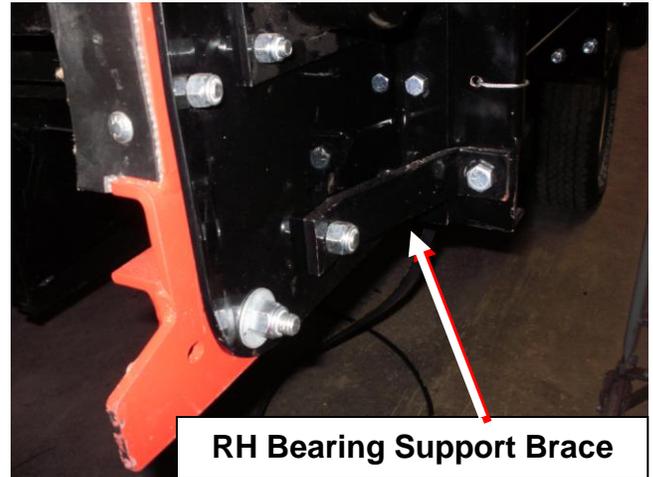
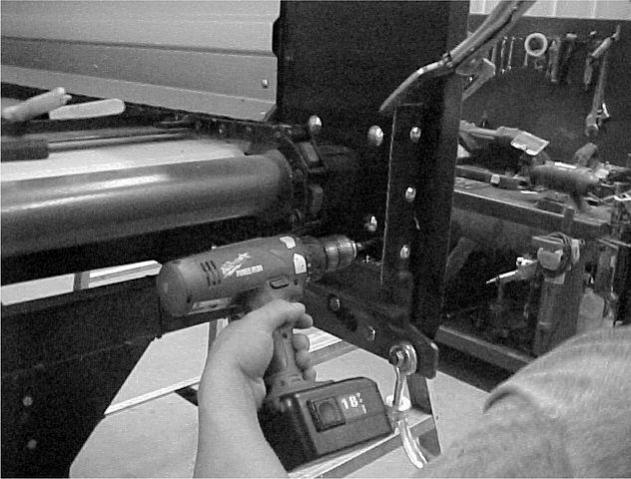
Next, install 7 lag screws to fasten to the 2 x 6 wooden cross member. From the bottom drill two 5/16" holes in the slots up through the floor, superslick floors chamfer the holes from the top. Install the 5/16" taper head bolts, washers and nuts.

Poly Floors: tighten the hardware so you can still move the washer. **Plywood or Poly Bonded Floors:** tighten the washer and nut down. Make sure the hardware is flush or under flush as to not catch any slats. Repeat this process for the other side. Tighten your main apron chain to the appropriate tension. See your 4200 Owner's Manual in the Adjustments Section for proper chain tightening, or go to our website at www.meyermfg.com and look for your model on the Manual page.



STEP 6: RECEIVER MOUNT INSTALLATION

Remove the right hand bearing support brace from the inside and install the support brace on the outside of the bearing plate. Install the right receiver using the two existing lower slots on the right bearing plate. Bolt in place using the supplied $\frac{1}{2}$ x 1-1/2" machine bolts, two $\frac{1}{2}$ " flat washers (on outer side) and $\frac{1}{2}$ " nylon insert locknuts. Drill $\frac{13}{32}$ " diameter holes through the vertical belting angle and bolt tight using $\frac{3}{8}$ -16 x 1" machine bolts and $\frac{3}{8}$ " nylon insert locknuts. (See photo.)



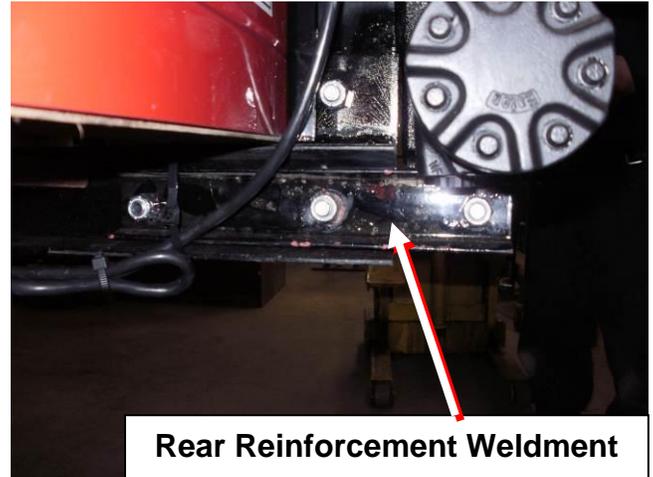
Model 4200 – Belting Installation

On 4200 Models install the 5" x 8" main roller belting seal to the back side of the left hand bearing plate using the existing holes in the bearing plate. The holes will need to be drilled through the belting prior to installing.



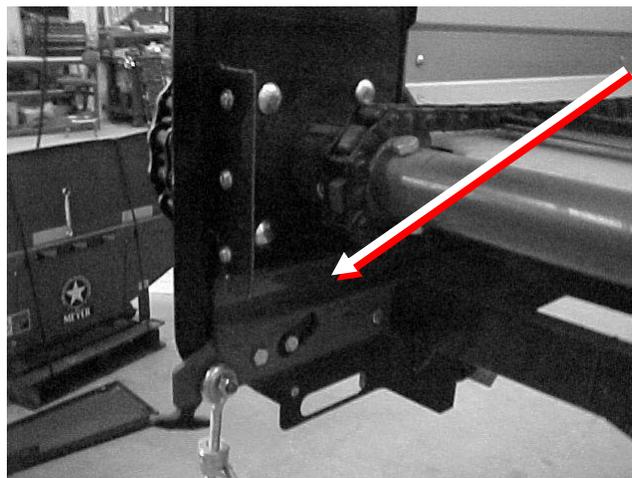
Model 4200 – Bearing Support Brace

Install the Rear Reinforcement Weldment on the inside of the rear cross channel using the hole in the cross channel. The welded block on the Reinforcement Weldment will be to the outside of the channel and facing to the rear. Locate the left hand bearing support brace you removed from the inside and mark holes on the Reinforcement Weldment, and to the Bearing Plate. Drill your holes and fasten the support brace.



All Models

Install the left receiver bracket in the same manner as the right. If the rubber latch screws interfere with the receiver, remove the latch screws and drill a dimple into the receiver plate as a mark. Remove the receiver and drill a 13/32" dimple deep enough to cover the screw head thickness. Reinstall the receiver and bolt tight using 1/2 x 1-1/2" machine bolts, two 1/2" flat washers (on outer side) and 1/2" nylon insert locknuts. Drill 13/32" diameter holes through the vertical belting angle and bolt tight using 3/8-16 x 1" machine bolts and 3/8" nylon insert locknuts. (See photo.)



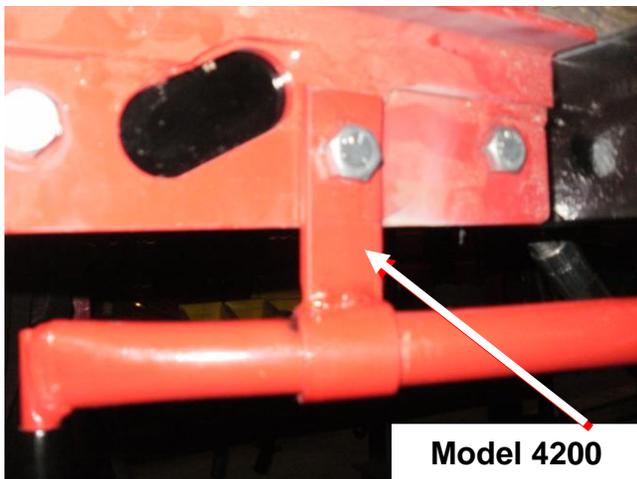
STEP 7: FLOW CONTROL INSTALLATION

Mount flow control to bracket as shown using two ¼ x 3" machine bolts, 2-1/4" fender washers (position between the flow control and the bracket) and 2-1/4" spin locknuts. Tighten firmly.

Install the pipe coupler onto the flow control by loosening the set screw and removing the speed positioning rod. Slide the coupler pipe over the shaft protruding from the flow control and reinstall the rod as shown. Tighten the set screw back to the rod to hold the sleeve on. Position flow control bracket on the underside of the second rear cross channel on the left side of the forage box as you are facing the box from the rear. Measure 12" in from the end of the channel to the bracket and clamp the bracket in place. The flow control handle will insert into the pipe coupler and extend out through the slotted hole in the left rear shield. Fasten the pipe to the pipe coupler using 5/16 x 1-1/2" machine bolt and 5/16" spin locknut. Drill two 13/32" diameter holes through cross channel and bolt bracket in place using 3/8 x 1" machine bolts and 3/8" spin locknuts. (See photo.)



Model 6200



Model 4200

4200 Models – Install the Flow Control Handle Support Weldment. (As Shown)

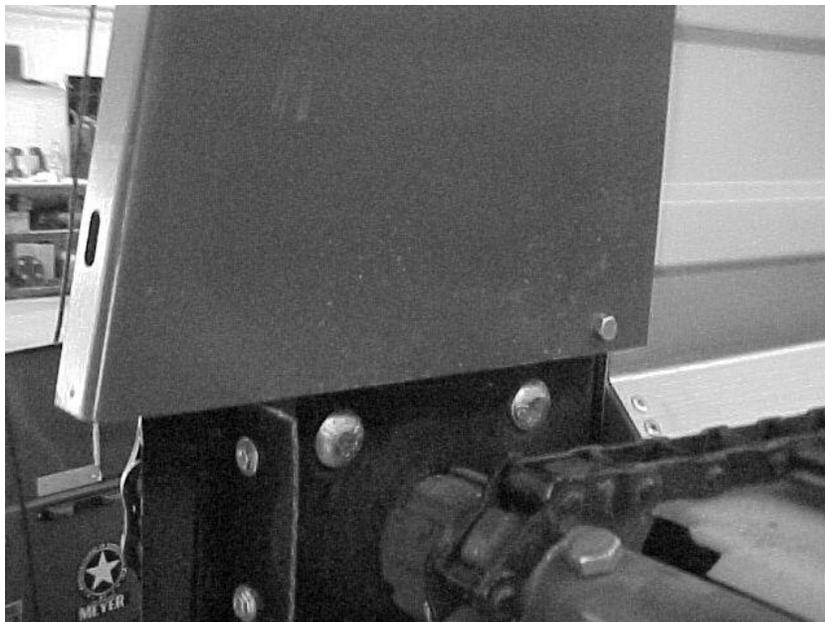
STEP 8: GATE GUSSET INSTALLATION

4200 Models: Install your 1/2" x 2-1/4" x 1" foam seal into the bottom rib of the side metal on both sides.

All Models: Position left gate gusset in place as shown. Use existing laser cut holes in rear upright bolt in place using 3/8 x 1" machine bolts and 3/8" flat washers and 3/8" spin locknuts. Notch in bottom of gusset should sit on top of bearing plate. Bolt tight.



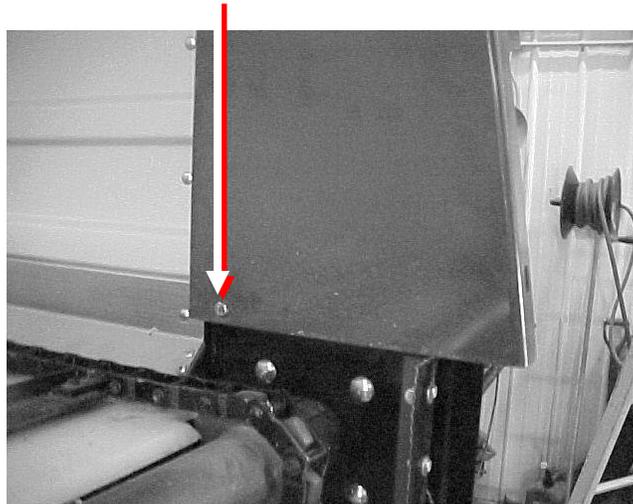
Drill 13/32" diameter hole on inside bottom corner and bolt tight using 3/8 x 2" machine bolt and 3/8" spin locknut. Do not over tighten. (See photo below.)



Position the right gate gusset in place as shown. Use the existing laser cut holes in the rear upright and bolt in place using 3/8 x 1" machine bolts, 3/8" flat washers, and 3/8" spin locknuts. Notch in bottom of gusset should sit on top of bearing plate. Bolt tight.



Drill 13/32" diameter hole on inside bottom corner and bolt tight using 3/8 x 2" machine bolt and 3/8" spin locknut. Do not over tighten. (See photo below.)

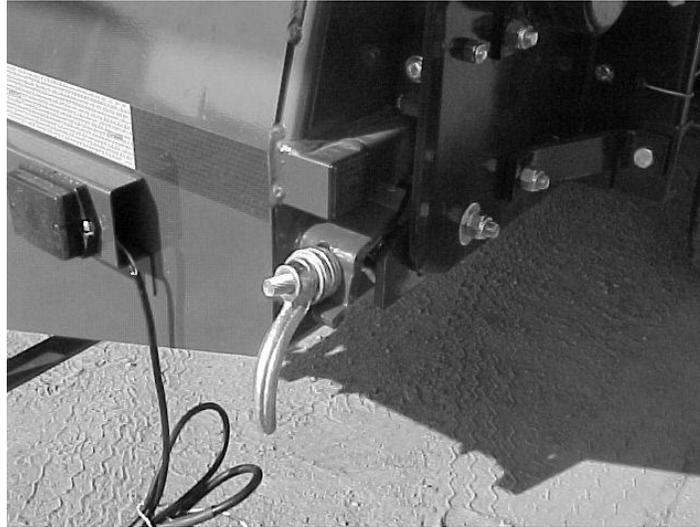


STEP 10: INSTALLING GRAIN KIT

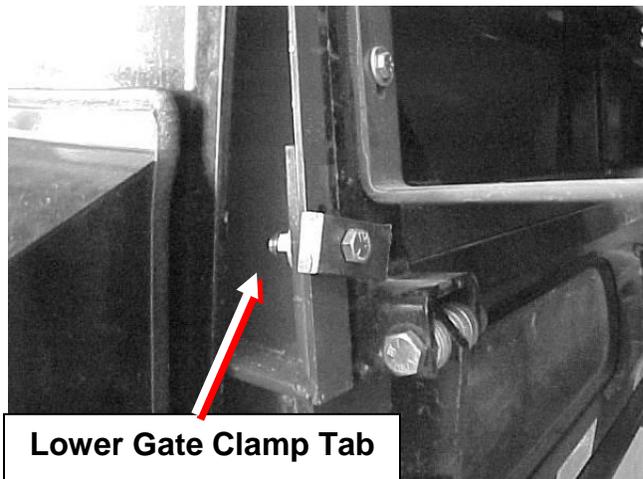
Using a suitable lifting device, position grain kit up to rear of forage box; aligning the receiver brackets to the mating tubes on the sides of the grain kit.



Once grain kit is started into receivers, simply slide the grain kit up tight to the back of the box. Tighten the turnbuckles into the slotted clamp brackets on each rear corner on each side and draw grain kit up tight.

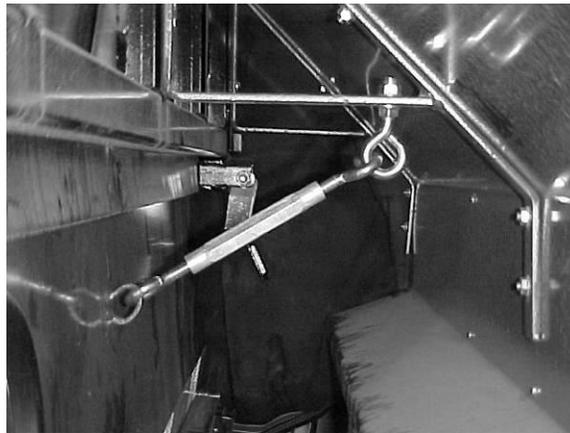


Using a suitable lifting device, lift rear gate enough to remove the support pipe originally installed to hold the gate open. Lower gate slowly to have gate fit between the two gussets. It may be necessary to force the gate in between the two gussets. Once the gate is closed up to the gussets, bolt tight using 3/8 x 1" machine bolts and 3/8" spin locknuts, two on each side on the upper two sets of holes. On the lower hole on each side use 3/8 x 1-3/4" machine bolts and the lower gate clamp tabs and 3/8" nylon insert locknuts. (See photo below.)



Lower Gate Clamp Tab

Last, insert the 3/8 x 1-1/2" eyebolt into the center shield bracket and bolt tight with eye facing downward. Use 3/8" spin locknuts on top and bottom side of bracket. (See photo.)



Hook turnbuckle as shown and draw up tight. Turnbuckle will hold center of door up tight to the grain kit.

STEP 11: LIGHT CORD HOOK-UP

Pull the harness cord from behind the left rear upright. Unwrap the electrical tape and unplug the cord from the light. Plug the supplied y-cord into the lead from the harness and going to the light. Retape the plugs with electrical tape to seal and hold firmly plugged together. Retuck the wires behind the rear upright and fasten with supplied 7-1/4" tie straps.



Install hydraulic safety decal on the left rear side of the box as shown below.



! WARNING

MAKE CERTAIN EVERYONE IS WELL CLEAR OF EQUIPMENT BEFORE APPLYING POWER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.





Meyer Manufacturing Corporation

**574 West Center Avenue
Dorchester, WI 54425
Phone: 1-800-325-9103
Fax: 715-654-5513
Email: sales@meyermfg.com
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