OPERATOR'S MANUAL
SET-UP INSTRUCTIONS
&
PARTS LIST

PLANTER CROSS AUGER



MARKET FARM EQUIPMENT LIMITED, R.R.#1 DASHWOOD, ONTARIO, CANADA

TEL# 519-238-2301 FAX# 519-238-6044 E-MAIL: mfeltd@execulink.com

www.marketfarmequipment.com

"SERVING THE FARM INDUSTRY SINCE 1962"

SAFETY INFORMATION

- Before using auger READ and UNDERSTAND SAFETY INSTRUCTIONS.
- After hydraulic lines are connected, run auger empty to ensure the flighting is rotating in the proper direction. (if ran backwards, damage may occur)
- Auger should be empty when moving or transporting.
- Hydraulic oil leaking under pressure can cause injury. Make sure all hydraulic connections are tight. Before disconnecting hydraulic lines, relieve pressure.
- Do not adjust, clean or service auger while it is running.
- Keep all safety shields in place. Replace any safety decals that become lost or damaged.
- Do not operate the auger in a manner that it was not intended for.
- When transporting, always keep auger in its lowest position.

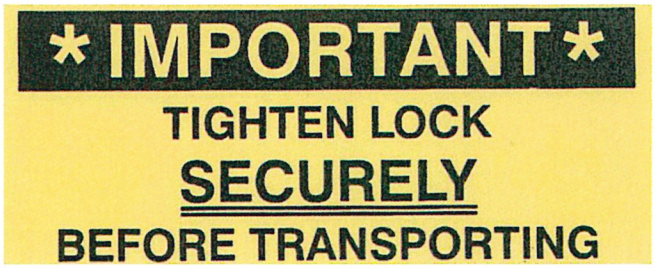
HYDRAULIC SYSTEM OPERATING RESTRICTIONS

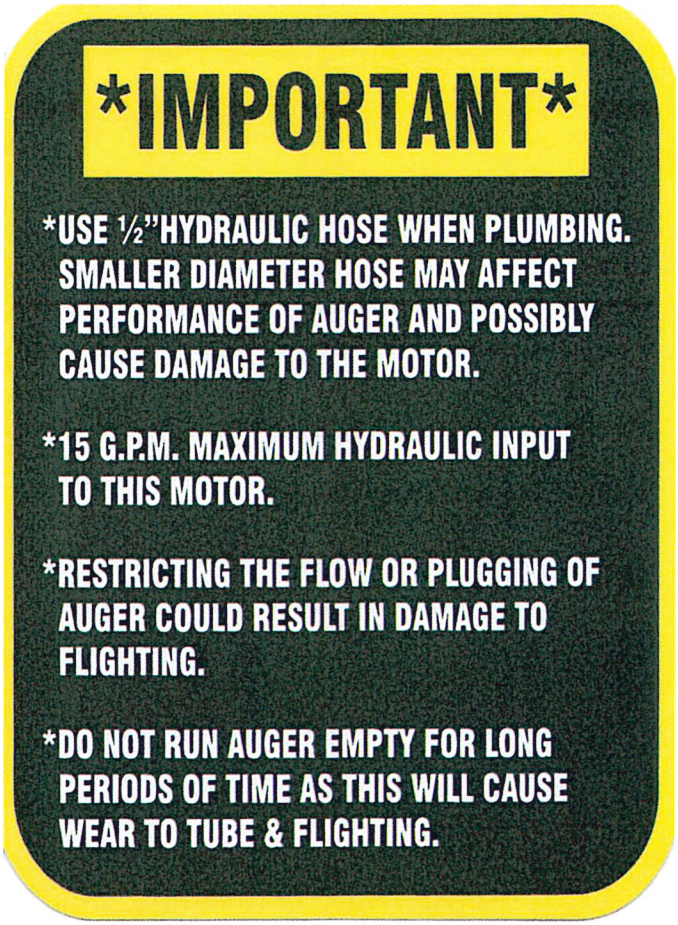
MAXIMUM FLOW – 20 G.P.M. MAXIMUM PRESSURE – 2500 P.S.I.

MAXIMUM FLOW AND MAXIMUM PRESSURE conditions MUST NOT occur simultaneously. Damage will occur and warranty will be void. Use only ½" hydraulic hose when plumbing. Smaller hose will create heat that will burn out the hydraulic motor and warranty will be void.

Do not tee into hydraulic lift cylinders on planters or drills.







WARRANTY PROCEDURE

MARKET FARM EQUIPMENT WARRANTS THEIR MANUFACTURED PRODUCTS TO BE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF PURCHASE TO THE FIRST END USER AND IS SUBJECT TO THE FOLLOWING CONDITIONS.

1. **Damage caused by improper use, negligence, or operation beyond rated capacity, improper set-up, adjustment, or any unauthorized modifications made by the dealer or customer, shall void this warranty.**

2. **Notification of damage or warranty claims must be submitted to Market Farm Equipment (M.F.E.) within seven (7) days of the date of failure.**

3. **All defective parts must be made available by the dealer, for inspection by M.F.E. if required, and returned at the dealer's expense.**

4. **All warranty claims must be approved by M.F.E.**

5. **The labour and freight required to replace defective parts is not reimbursable.**

6. **Exchange, credit or warranty status will be based on the results of the inspection of damaged items by the manufacturer.**

7. **Credit will be issued if and when the warranty claim is approved and MUST NOT be deducted from the account by the dealer.**

8. **Products and/or parts not manufactured by M.F.E. are subject to their own manufacturer's warranty conditions.**

WARRANTY CONSIDERATION IS ONLY VALID WHEN THE WARRANTY REGISTRATION FORM HAS BEEN RECEIVED BY MARKET FARM EQUIPMENT.

WARRANTY REGISTRATION

MARKET FARM EQUIPMENT LIMITED
R.R. 1 DASHWOOD, ONTARIO, CANADA, N0M 1N0
Fax: 519-238-6044 E-mail: mfeltd@execulink.com

Purchaser's warranty protection on this equipment is valid only when this registration form is completed by the purchaser and returned to Market Farm Equipment Limited.

Date of purchase: _____

Type of equipment: _____

Model number: _____ **Serial number:** _____

PURCHASER'S SIGNATURE INDICATES:

- **Acceptance of equipment, fully assembled ( ) unassembled ( )**
- **Receipt of operator's manual**
- **Clear understanding of warranty**
- **Receipt of instructions on special safety equipment available**
- **Receipt of instructions on safe and proper operating procedures**

PURCHASER:

Name: _____

Signature: _____

Mailing Address: _____

Prov./State: _____ **Postal/Zip Code:** _____

Telephone number: _____

Purchased from: _____

THIS WARRANTY MUST BE VALIDATED BY THE MANUFACTURER

It is valid only when a copy of the registration has been received by the manufacturer at address shown.

MARKET FARM EQUIPMENT LIMITED

EXPRESS WARRANTY

Market Farm Equipment Limited warrants against defects in construction and materials for a period of ONE year. We reserve the right to inspect and decide whether material or construction was faulty, or whether abuse or accident voids our guarantee.

This warranty does not cover a component which fails, malfunctions or is damaged as a result of (I) improper modification or repair, (II) accident, abuse or improper use, including loading beyond the specified maximum weights and requirements (III) improper or insufficient maintenance, or (IV) normal wear and tear.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

In no way shall Market Farm Equipment Limited be liable for special, direct, incidental or consequential damages of any kind, including but not limited to labour charges.

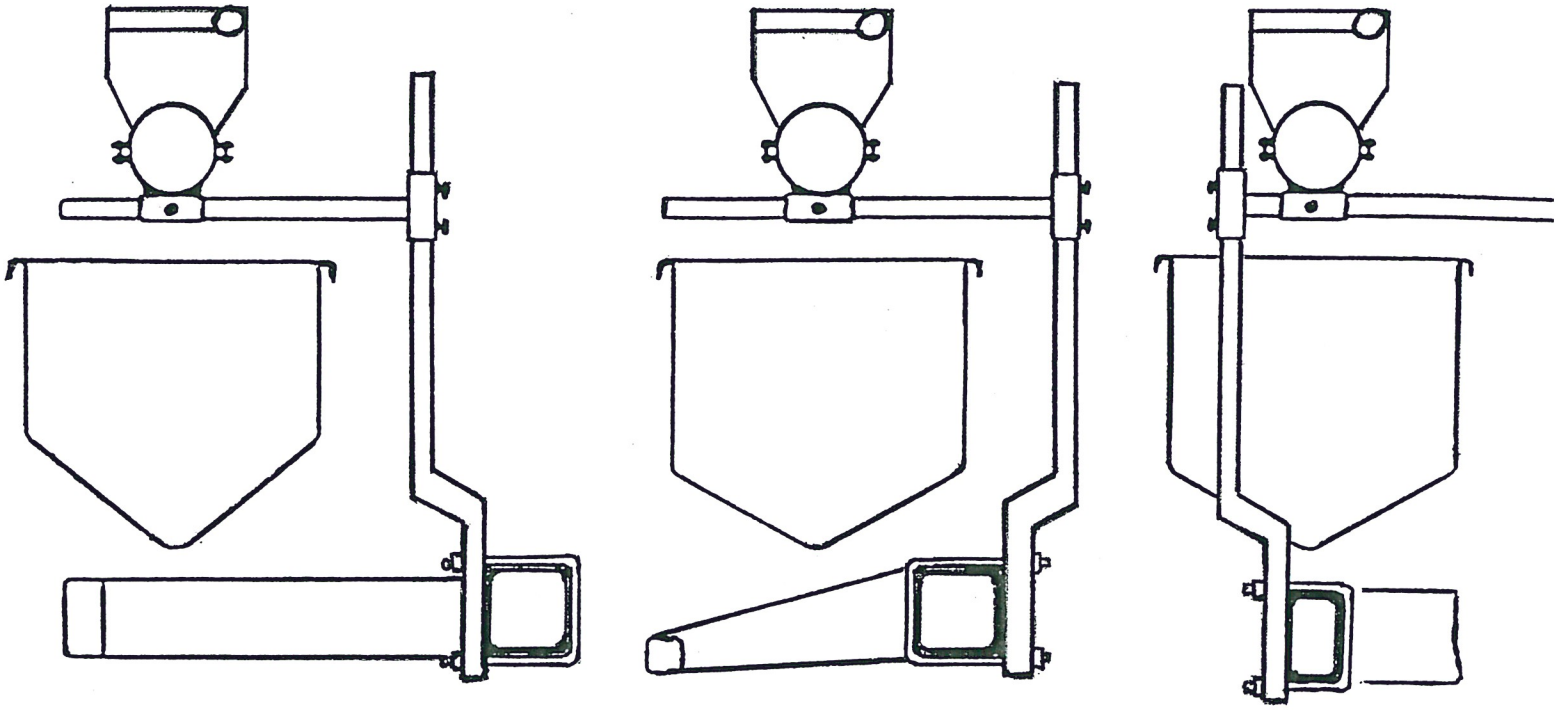
The exclusive remedy under this warranty shall be repair or replacement of the defective component at Market Farm Equipment Limited's option. This is the entire agreement between Market Farm Equipment Limited and the owner about warranty. NO M.F.E. Ltd. employee or dealer is authorized to make additional warranty on behalf of Market Farm Equipment Limited.

(Fill in the following for future reference)

Serial number:_____

Date of purchase:_____

Purchased from:_____



FERTILIZER CROSSAUGER MOUNTING INSTRUCTIONS

1. **Mount upright posts as shown in diagram. First post should be located between first and second fertilizer hoppers and second post should be located between second and third fertilizer hoppers, etc.**

2. **Attach crossarms to posts so that the bottom of crossarms is about 4" above fertilizer hopper lids.**

3. **Slide bottom half of clamp bands onto crossarms, positioning them directly above the center line of fertilizer hoppers.**

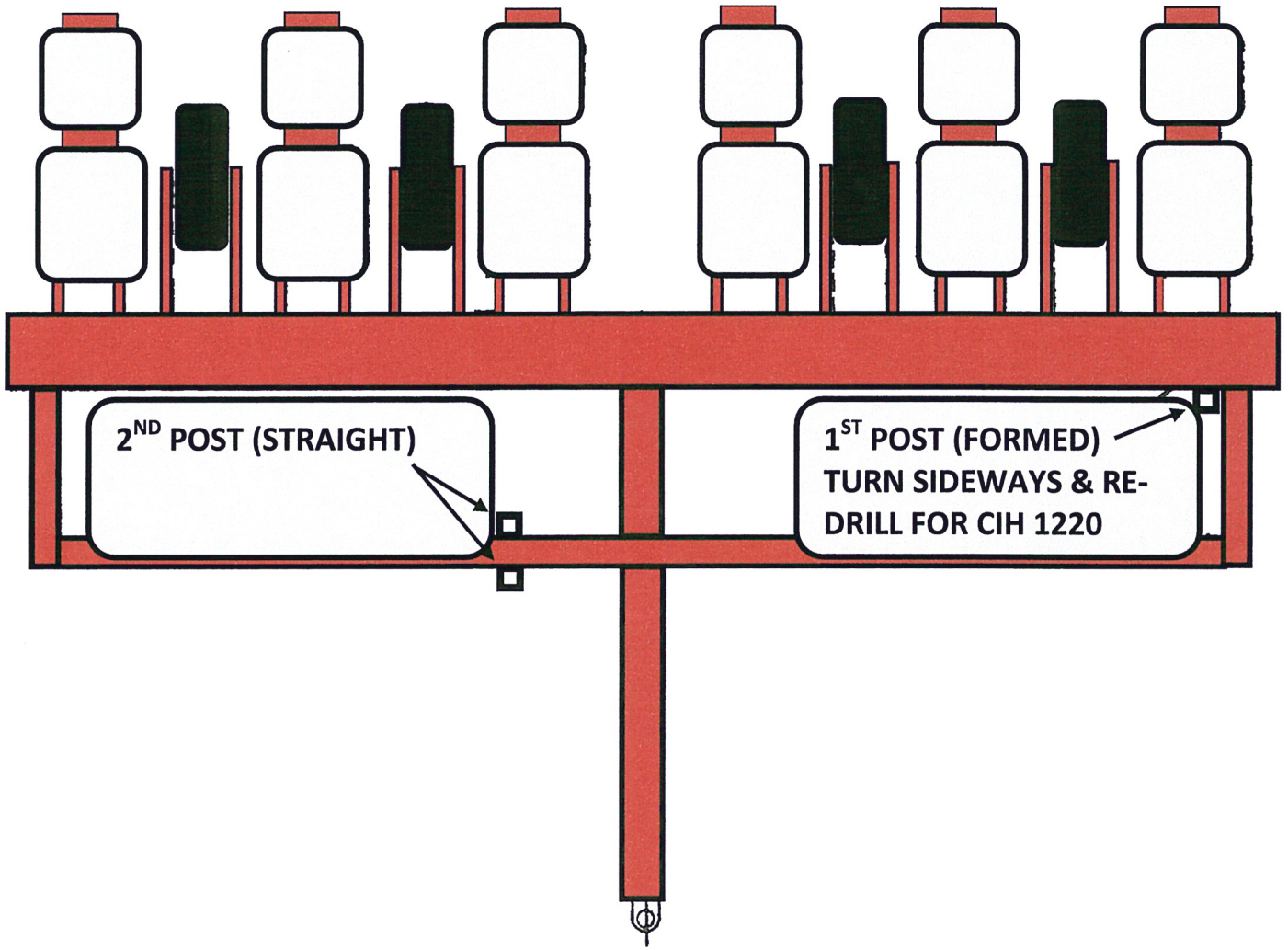
4. **Lay crossauger in clamp bands, centering the drops above the hoppers both left to right and front to back.**

5. **With all parts properly positioned, attach top half of clamp bands and tighten all bolts and nuts.**

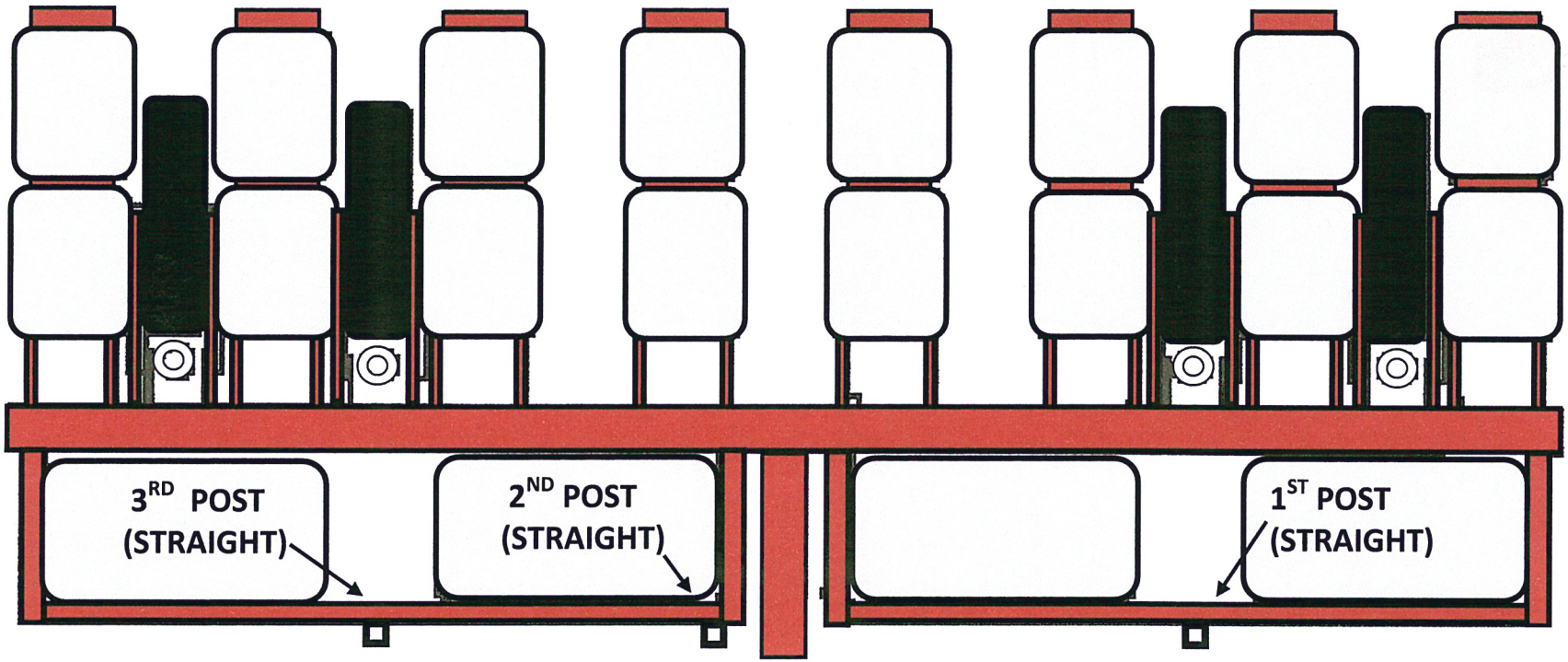
6. **On 12 ROW Front Folding Planters, follow mounting instructions for 6 ROW crossauger.**

NOTE: - Larger planters may require special hardware.
- On some planters it may be neccessary to turn posts sideways and re-drill holes (for more versatile fitting).
- Straight posts are supplied with certain planters.

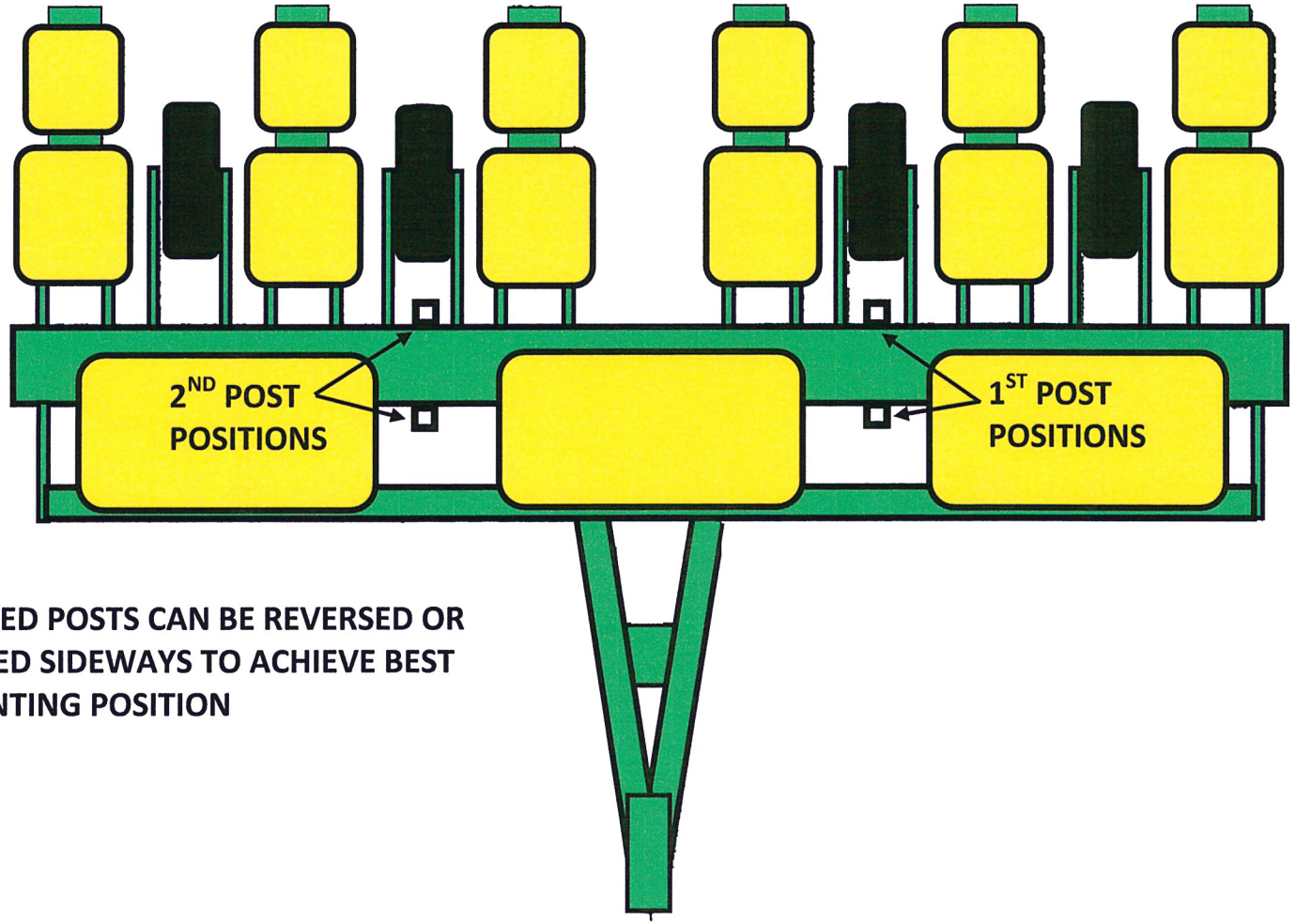
6 ROW 30" PLANTER IH 800, CIH 900, 950, 1200, 1220 & NEW HOLLAND 480



8 ROW 30" PLANTER IH 800, CIH 900, 950, 1200, 1220 & NEW HOLLAND 480



6 ROW 30" PLANTER FOR JOHN DEERE, WHITE, KINZE, GREAT PLAINS, MONOSEM
(JOHN DEERE, KINZE, GREAT PLAINS, MONOSEM REQUIRES 2 FORMED POSTS)
(WHITE REQUIRES 2 STRAIGHT POSTS)

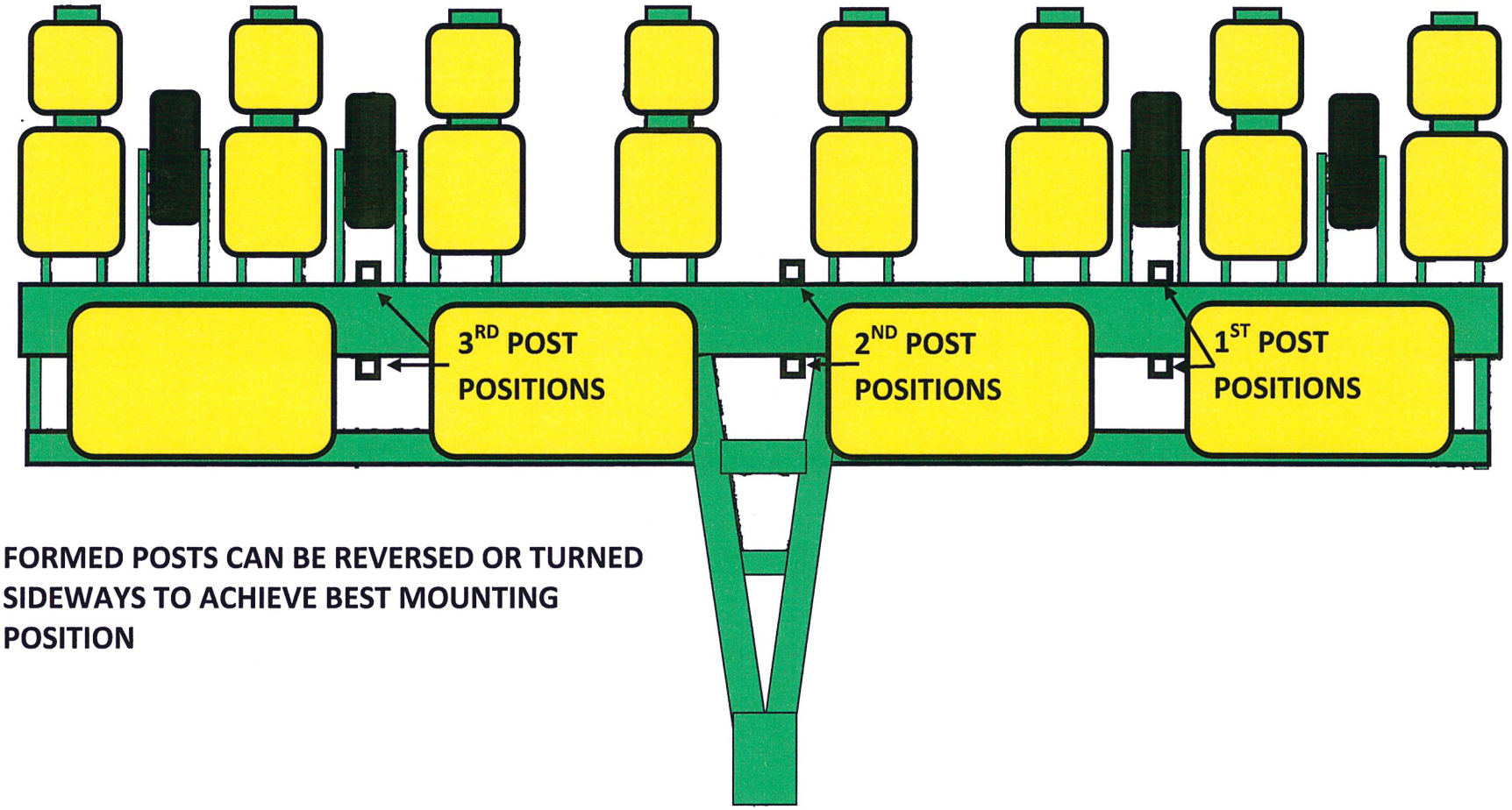


FORMED POSTS CAN BE REVERSED OR TURNED SIDEWAYS TO ACHIEVE BEST MOUNTING POSITION

8 ROW 30" PLANTER FOR JOHN DEERE, WHITE, KINZE, GREAT PLAINS, MONOSEM

(JOHN DEERE, KINZE, GREAT PLAINS, MONOSEM REQUIRES 3 FORMED POSTS)

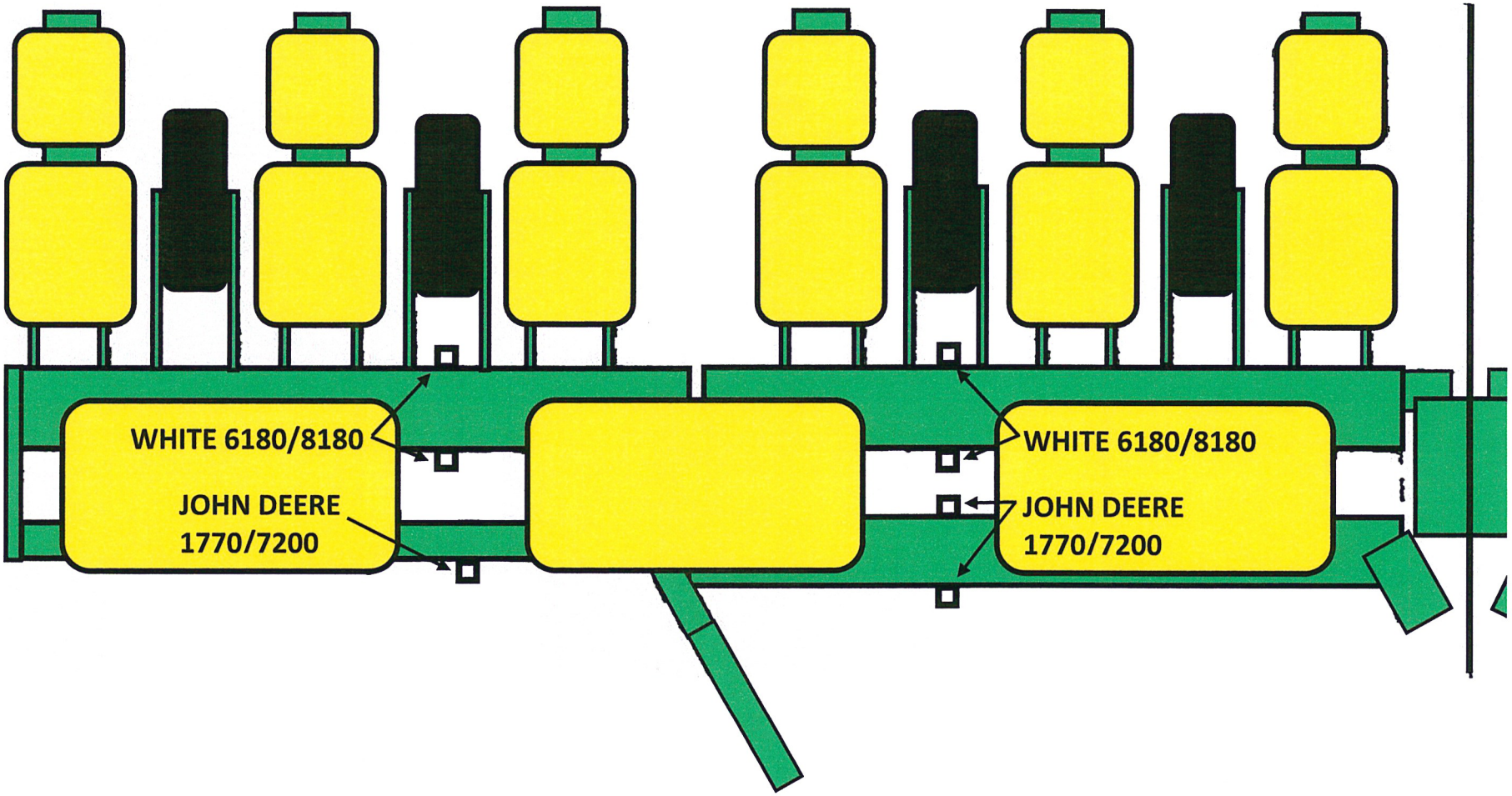
(WHITE REQUIRES 3 STRAIGHT POSTS)



FORMED POSTS CAN BE REVERSED OR TURNED SIDEWAYS TO ACHIEVE BEST MOUNTING POSITION

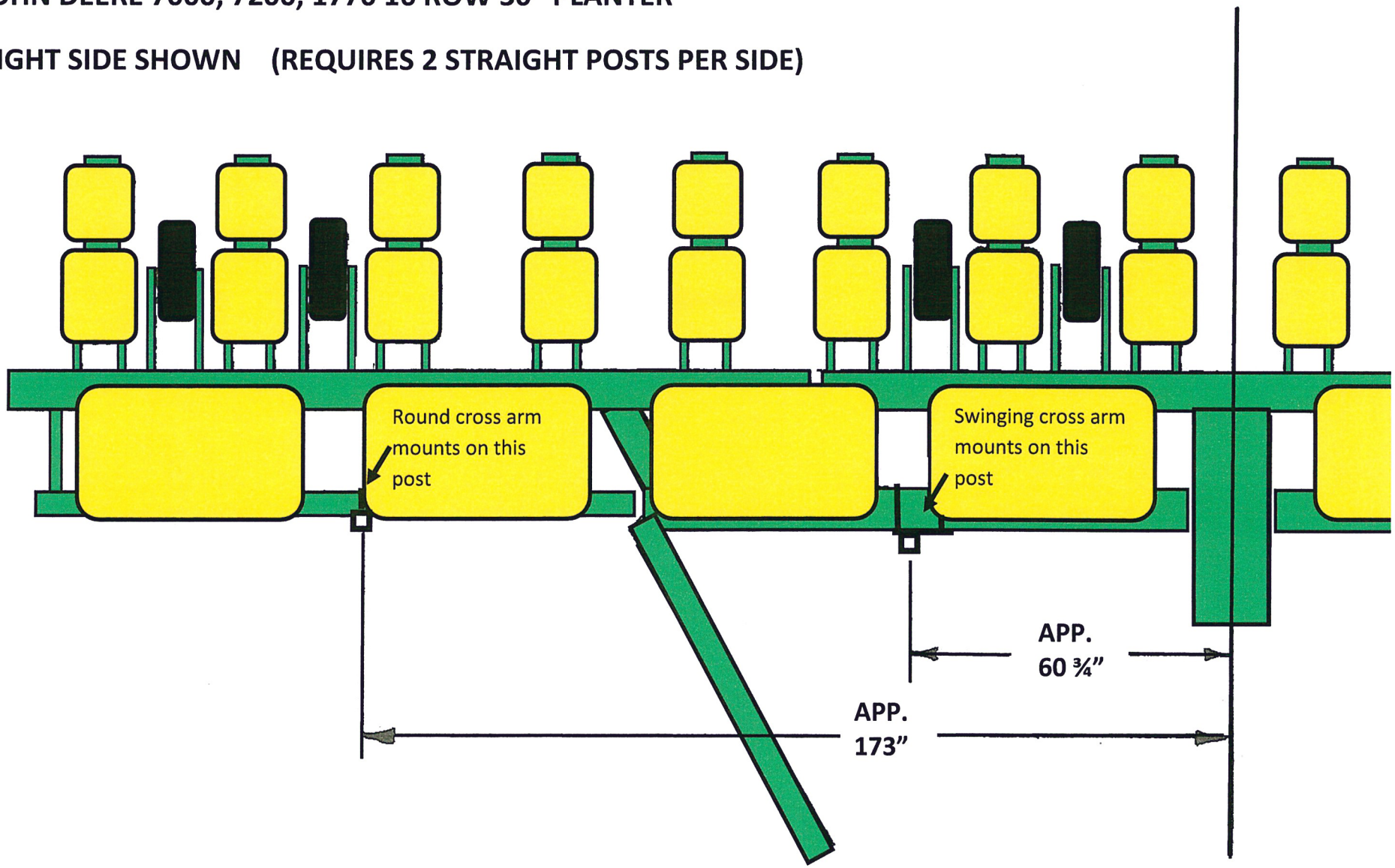
JOHN DEERE 1770, 7200 FLEX FOLD & WHITE 6180/8180 FORWARD FOLD 12 ROW 30" PLANTERS

RIGHT SIDE SHOWN (REQUIRES 2 STRAIGHT POSTS PER SIDE)



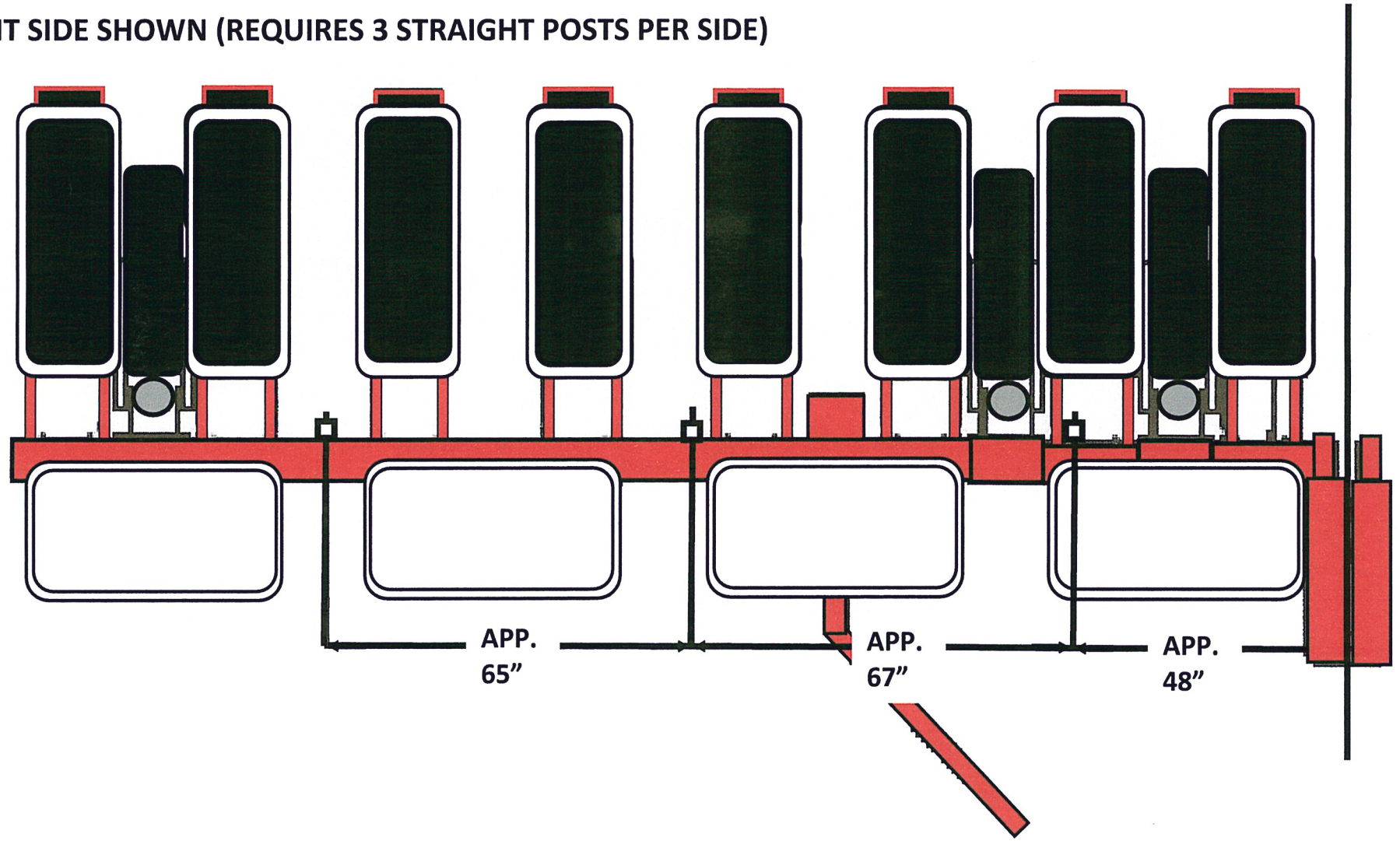
JOHN DEERE 7000, 7200, 1770 16 ROW 30" PLANTER

RIGHT SIDE SHOWN (REQUIRES 2 STRAIGHT POSTS PER SIDE)

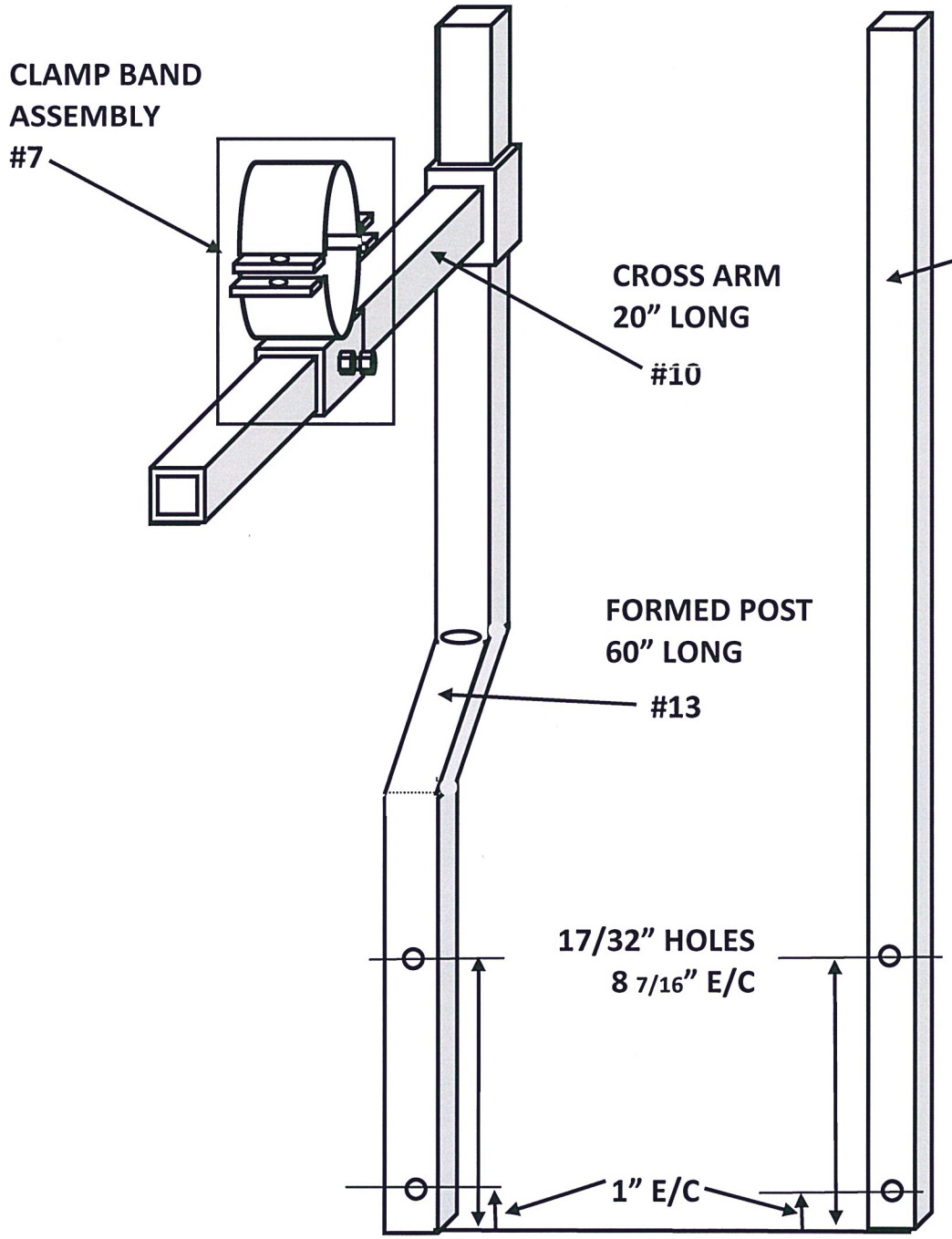


WHITE 6180/8180 16 ROW 30" PLANTER

RIGHT SIDE SHOWN (REQUIRES 3 STRAIGHT POSTS PER SIDE)



CROSS AUGER HARDWARE (POSTS & CROSS ARMS)



BOLT OPTIONS

7" X 10" U-BOLT (7" X 7" FRAMES)
OR
½" X 10" BOLTS C/W BACKER PLATE

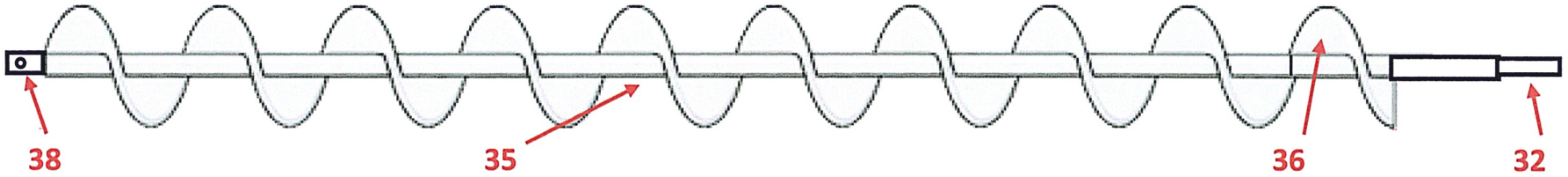
7" X 8" U-BOLT (7" X 5" FRAMES)
OR
½" X 8" BOLTS C/W BACKER PLATE

6" PLANTER CROSS AUGER PARTS LIST

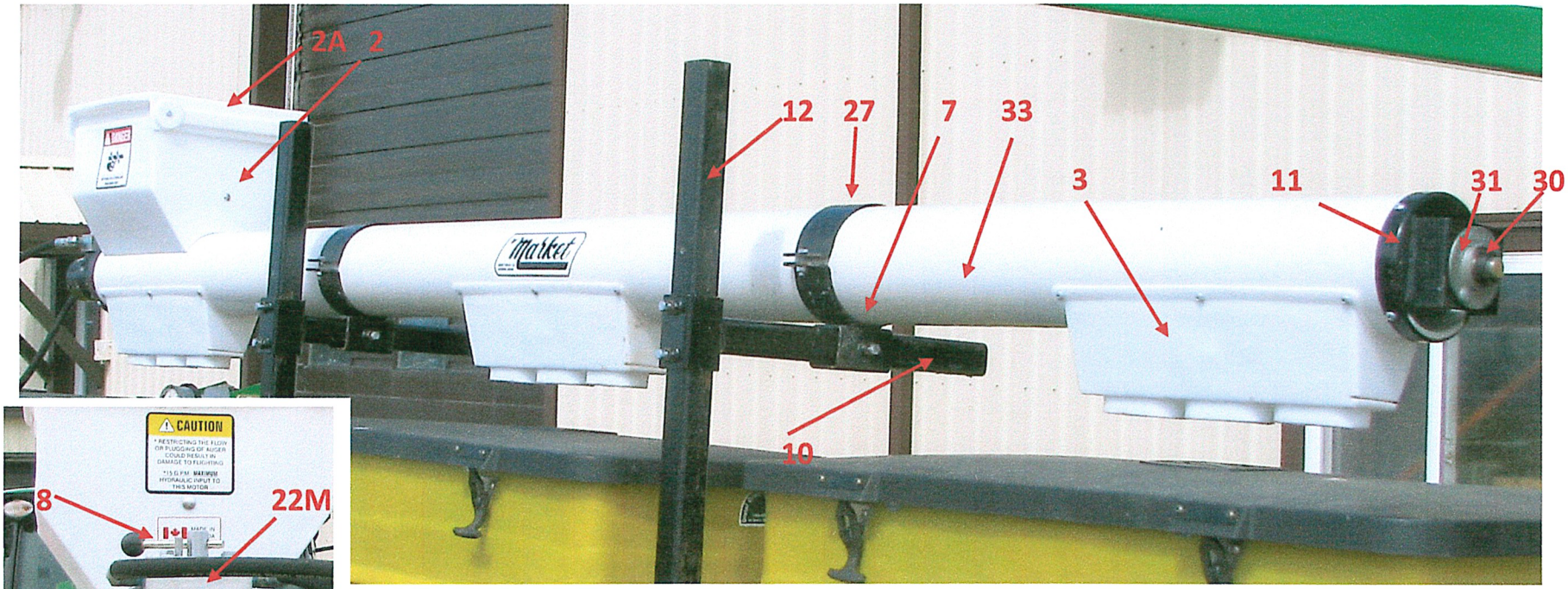
REF #	PRO CD	DESCRIPTION
2	(195)	6" CROSS AUGER HOPPER & LID ASSEMBLY
3	(196)	6" PLASTIC DROP C/W 6 SCREWS
4	(197)	SHUT OFF SLIDE FOR 6" PLASTIC DROP
7	(194)	BOTTOM CLAMP BAND C/W SQ. TUBE (#7 & #27 FOR A COMPLETE ASSEMBLY)
8	(581)	VALVE HANDLE C/W BLACK KNOB
10	(935)	REGULAR CROSS ARM
11	(751)	OVERFLOW/BEARING END PLATE
12	(1180)	STRAIGHT POST C/W U-BOLT (SPECIFY PLANTER)
13	(705)	FORMED POST (NOT SHOWN)
15		BACKER PLATE & BOLTS (SPECIFY PLANTER)
19M	(395)	6 CUBIC INCH MANIFOLD MOTOR
22M	(117)	MANIFOLD VALVE
25	(198)	6" MOTOR PLATE
27	(181)	6" TOP CLAMP BAND FOR #7
30	(585)	1" BEARING C/W LOCK COLLAR
31	(698)	BEARING FLANGETTE (SET OF 2)
32	(106)	T-114 SHAFT
33*	(193)	6" PVC TUBE (RAW)
35*	(153)	6" PLASTIC FLIGHTING (UN-PREPARED)
36	(397)	PLASTIC MODULE
38	(402)	STAINLESS STEEL MOTOR COUPLER (6")
42		U-BOLT (SPECIFY FRAME SIZE)
ALL NUTS & BOLTS SOLD SEPERATELY		

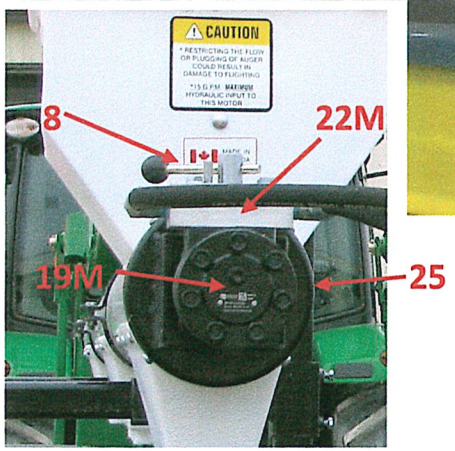
*SPECIFY LENGTHS (SERIAL # ON CROSS AUGER IF POSSIBLE)

PLANTER CROSS AUGER PARTS

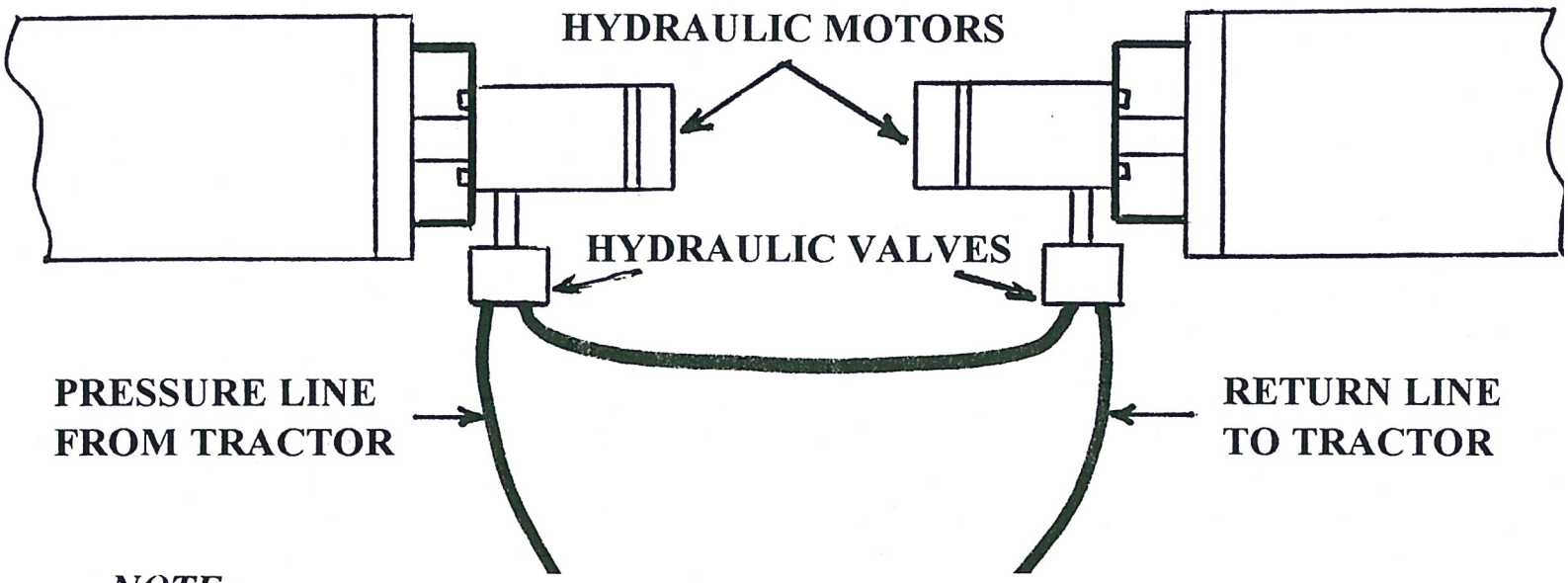


WHEN ORDERING REPLACEMENT TUBES & FLIGHTING, SPECIFY LENGTHS (SERIAL # ON CROSS AUGER IF POSSIBLE)





PLUMBING DIAGRAM
FOR 2 CROSSAUGERS BEING USED ON THE SAME PLANTER
(ie: Folding Planter)



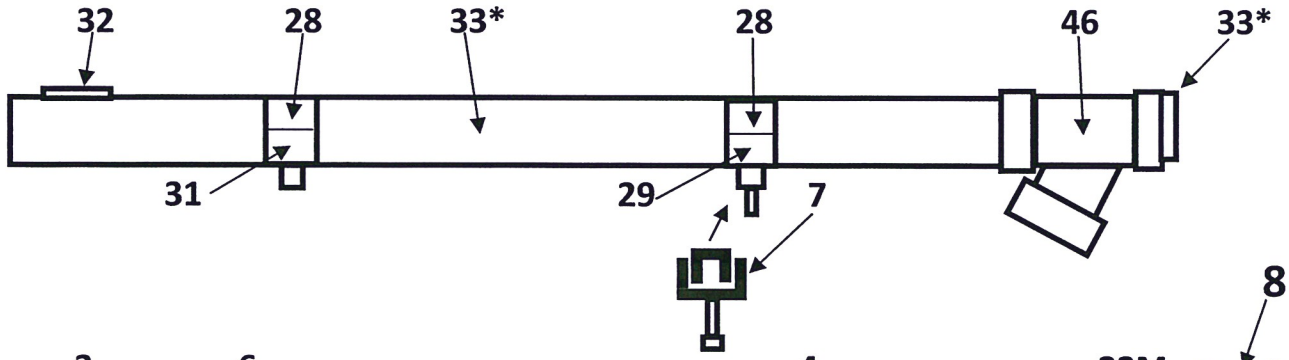
NOTE:

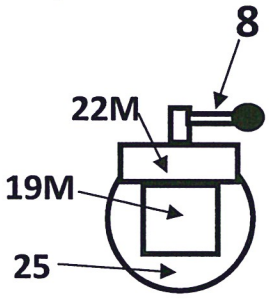
THE CROSSAUGER HYDRAULICS SHOULD BE CONNECTED INTO A SEPARATE SET OF REMOTES. IF THIS IS NOT POSSIBLE, THE CROSSAUGER MAY BE PLUMBED INTO THE PLANTERS EXISTING HYDRAULICS BY USING A MANUAL SELECTOR VALVE.

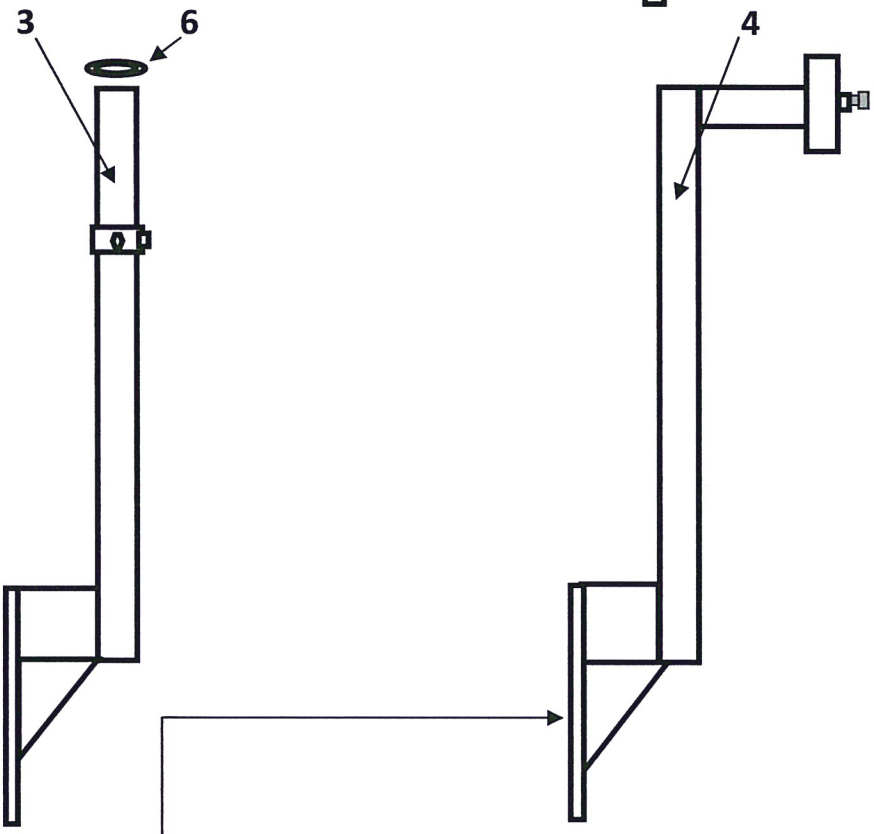

MaxEmerge 2
JAMCO

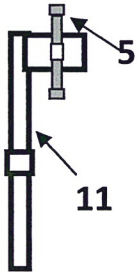

Marker
MaxEmerge 2

12'/14' VERTICAL AUGER FOR CORN PLANTER

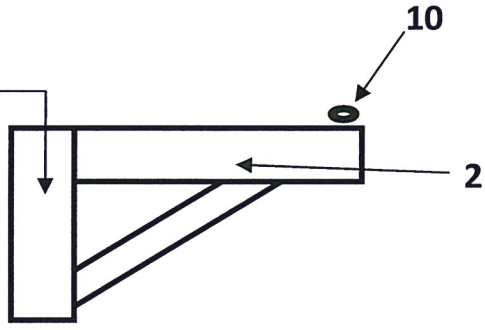




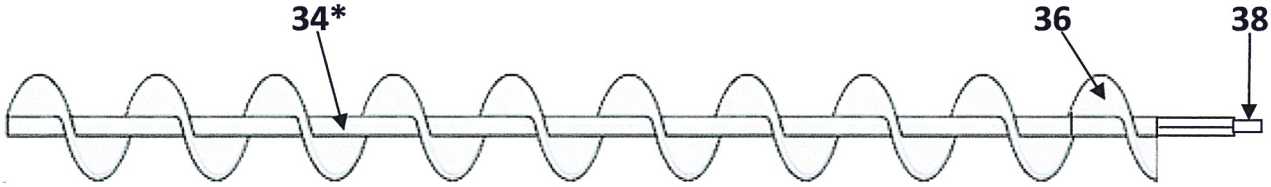




#1 PLASTIC SLEEVE



REQUIRES LONG 7" U-BOLTS

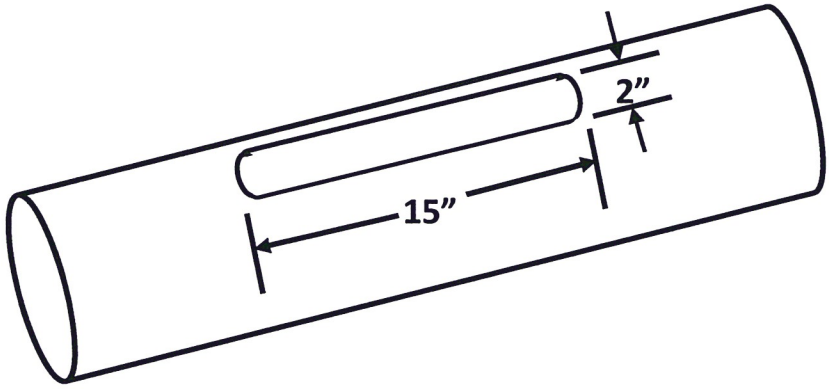


6" VERTICAL AUGER PARTS LIST

REF #	PRO CD	DESCRIPTION
1	(389)	9 ½" UHMW PLASTIC SLEEVE
2	(1184)	SWING ARM
3	(1193)	SUPPORT POST
4	(1194)	TRANSPORT BRACKET
5		LOCK BOLT ASSEMBLY
6	(783)	UHMW PLASTIC DISC WASHER
7		LARGE SWIVEL "U" C/W ½" BOLT
8	(581)	VALVE HANDLE C/W BLACK KNOB (#9)
10	(1228)	UHMW DISK
11	(956)	WEDGELOCK TAB RECEIVER
19M	(395)	6 CUBIC INCH MOTOR (MANIFOLD MOUNT)
22M	(117)	VALVE (MANIFOLD MOUNT)
25	(198)	6" MOTOR PLATE
28	(552)	CLAMP BAND (TOP)
29		CLAMPBAND C/W SMALL SWIVEL "U"
31	(762)	WEDGELOCK TAB CLAMP BAND
32	(1203)	HOPPER STOP
33*	(193)	6" PLASTIC TUBE (UN-PREPARED)
34*	(153)	6" PLASTIC FLIGHTING (UN-PREPARED)
35	(178)	6" VERTICAL AUGER HOPPER (NOT SHOWN)
36	(397)	PLASTIC MODULE SECTION
35A	(549)	V/A HOPPER CLAMP BAND (NOT SHOWN)
35B	(548)	SAFETY GRILLE (NOT SHOWN)
38	(402)	STAINLESS STEEL MOTOR COUPLER (6")
42		U-BOLT (SPECIFY FRAME SIZE)
46	(542)	6" WYE FITTING

*SPECIFY LENGTHS (SERIAL # ON VERTICAL AUGER IF POSSIBLE)

MOUNTING INSTRUCTIONS FOR CROSS AUGER DROPS



BEFORE CUTTING, REMOVE END BEARING/ OVERFLOW ENDCAP AND PLASTIC FLIGHTING.

DRILL A 3/8” PILOT HOLE AT THE END OF THE SLOT. USE A JIG SAW TO CUT SLOT OUT.

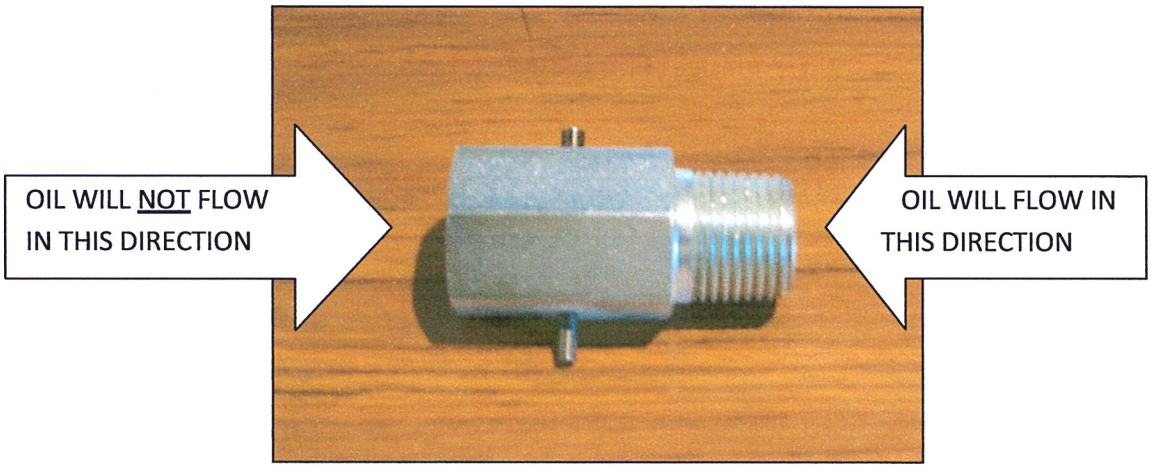
PLACE PLASTIC DROP OVER CUT OUT SLOT AND CENTER. DRILL (3) 1/8”HOLES ON END SIDE AND ATTACH USING ½” MACHINE SCREWS SUPPLIED

MAKE SURE DROPS ARE ALL STRAIGHT BEFORE ATTACHING.

OPTIONAL VALVES FOR HYDRAULIC AUGERS

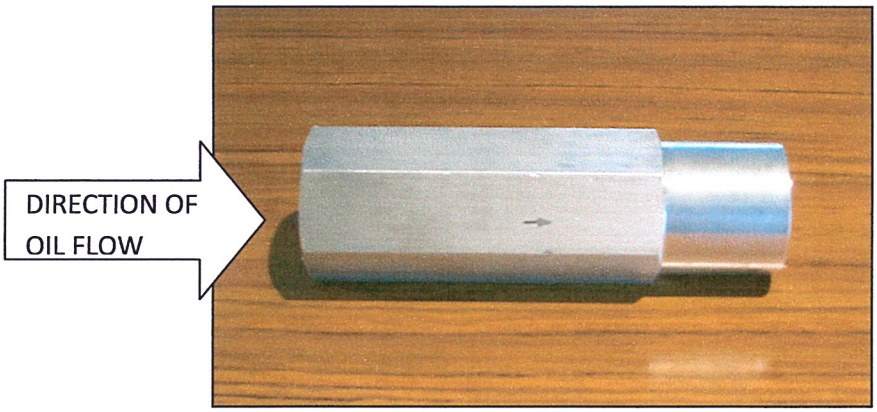
Note: These optional valves do not replace the shut-off valve on the auger.

A directional valve fitting can be installed to restrict the auger from running in the reverse direction. This valve should be installed on the return line, between the valve on motor and the tractor. Thread is ½" NPT. **RECOMMENDED FOR AUGERS THAT SHOULD NOT BE RUN IN REVERSE, AS IT MAY CAUSE DAMAGE TO THE FLIGHTING.**



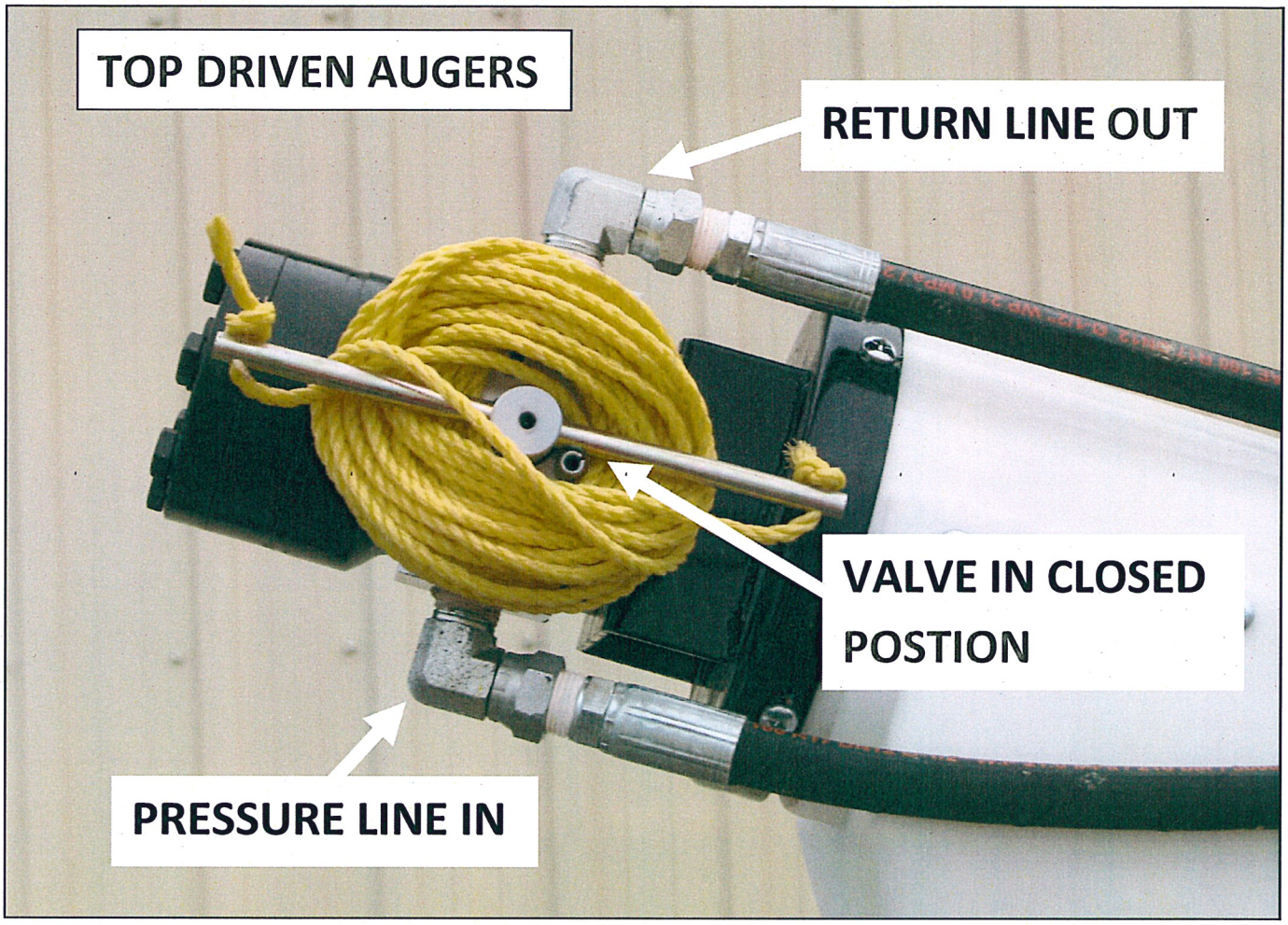
An in-line, pressure compensated, nonadjustable flow regulator valve is available for CLOSED CENTER HYDRAULIC SYSTEMS. In the controlled direction, this regulator will maintain a constant flow rate of 10 GPM. This valve should be installed on the pressure line, between the tractor and the valve on motor. Thread is ¾" NPTF (must be reduced to ½")

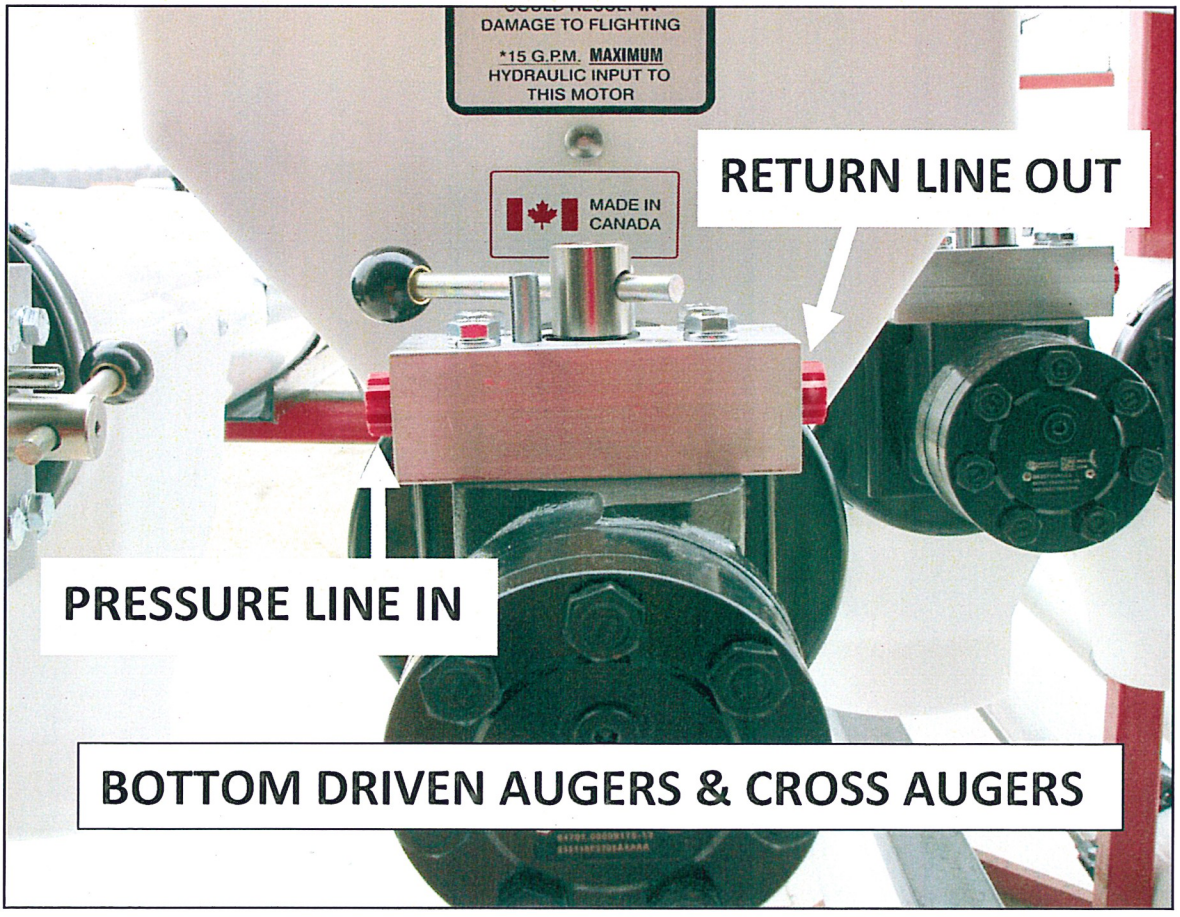
RECOMMENDED FOR AUGERS OPERATED BY LARGER TRACTORS WITH LARGER HYDRAULIC OUTPUT.



Augers operate best at 10-12 GPM & 1200-1500 PSI.

Market Farm Equipment Ltd. RR# 1 Dashwood, Ontario, Canada N0M 1N0
E-Mail mfeltd@execulink.com Web-Site www.marketfarmequipment.com


TOP DRIVEN AUGERS
RETURN LINE OUT
VALVE IN CLOSED POSTION
PRESSURE LINE IN


DAMAGE TO FLIGHTING
*15 G.P.M. MAXIMUM HYDRAULIC INPUT TO THIS MOTOR
MADE IN CANADA
RETURN LINE OUT
PRESSURE LINE IN
BOTTOM DRIVEN AUGERS & CROSS AUGERS