OPERATOR'S MANUAL
SET-UP INSTRUCTIONS
&
PARTS LIST

(2-Tank)

PLANTER CROSS AUGER

JOHN DEERE 1745

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

TEL# 519-238-2301 FAX# 519-238-6044 E-MAIL: natashagreen13@hotmail.com

www.marketfarmequipment.com

"SERVING THE FARM INDUSTRY SINCE 1962"

SAFETY INFORMATION

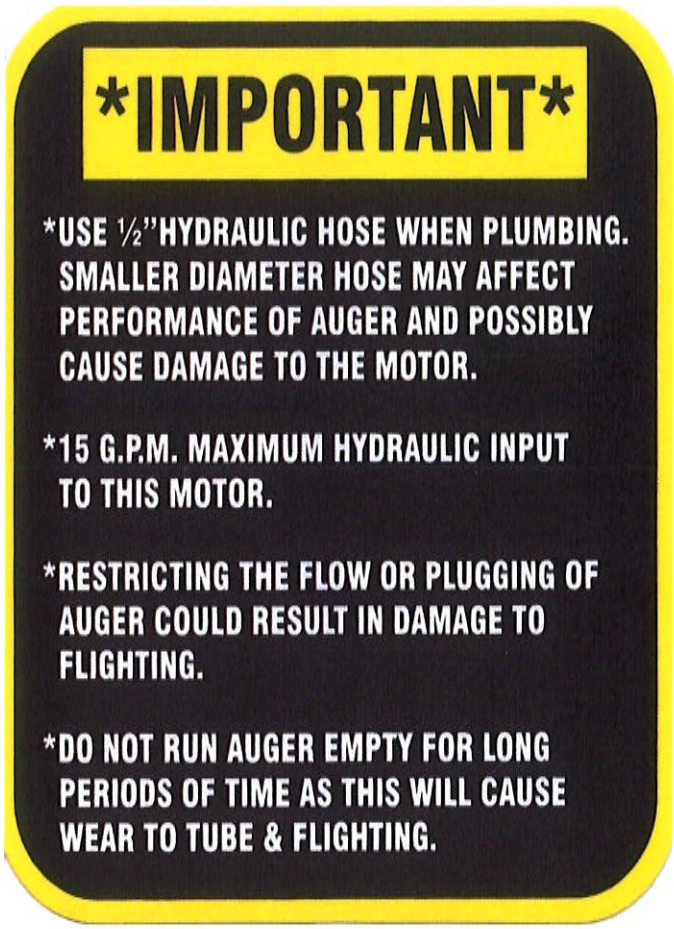
- Before using auger READ and UNDERSTAND SAFETY INSTRUCTIONS.
- After hydraulic lines are connected, run auger empty to ensure the flighting is rotating in the proper direction. (if ran backwards, damage may occur)
- Auger should be empty when moving or transporting.
- Hydraulic oil leaking under pressure 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 – 15 G.P.M. MAXIMUM PRESSURE – 1750 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. A 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 FREE 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
71796A BLUEWATER HIGHWAY, 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)

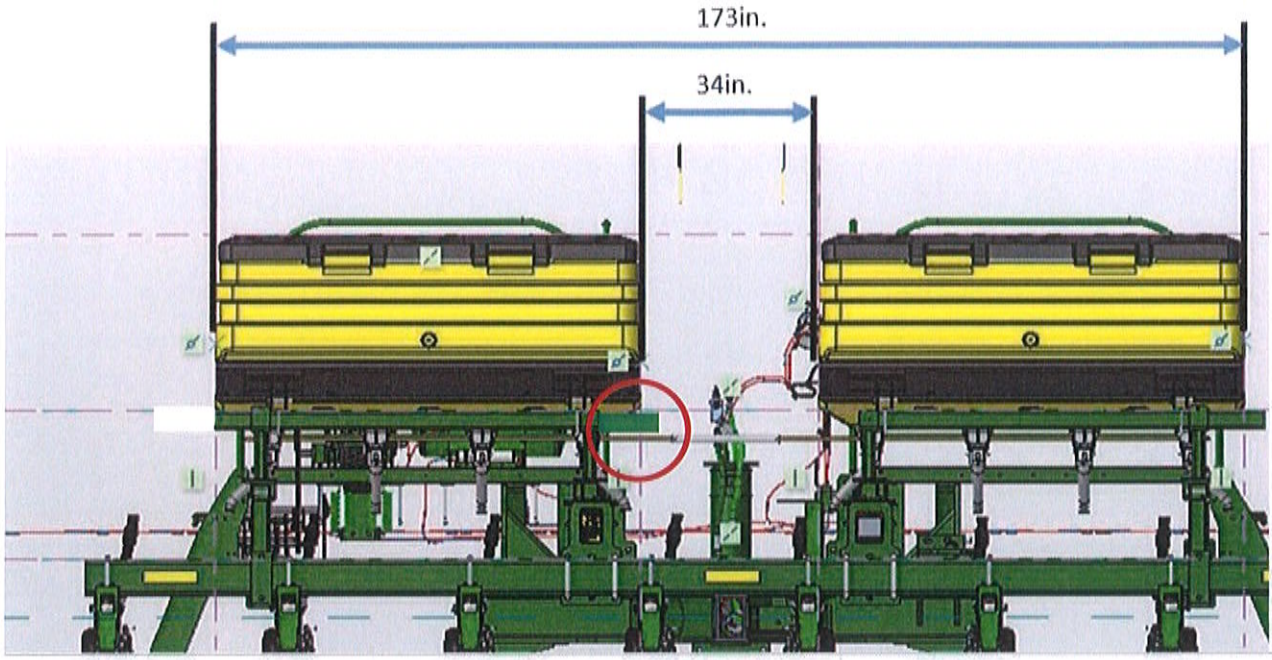
Serial number:_____

Date of purchase:_____

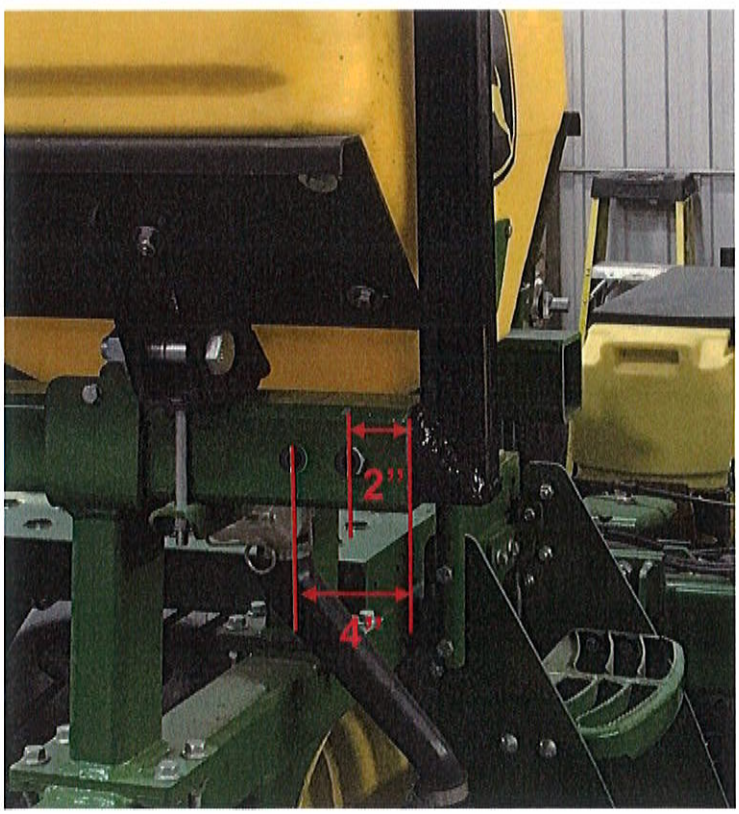
Purchased from:_____

MOUNTING INSTRUCTIONS FOR CROSS AUGER ON A JOHN DEERE 1745 PLANTER

1: Remove fertilizer hopper lids prior to auger installation. Adjust the 3" fertilizer hopper frame so that the extra frame is inward. See picture below.



2: Drill 17/32" holes 2" & 4" end to centre. See picture below.



3: It may be necessary to grind or score the 2½" post to match the seam on the inside of the 3" hopper frame. Insert posts and sure with ½" bolts, washers & lock nuts.

4: Attach the crossarms to the posts so that the bottom of the crossarms are approximately 4" above the fertilizer hoppers.

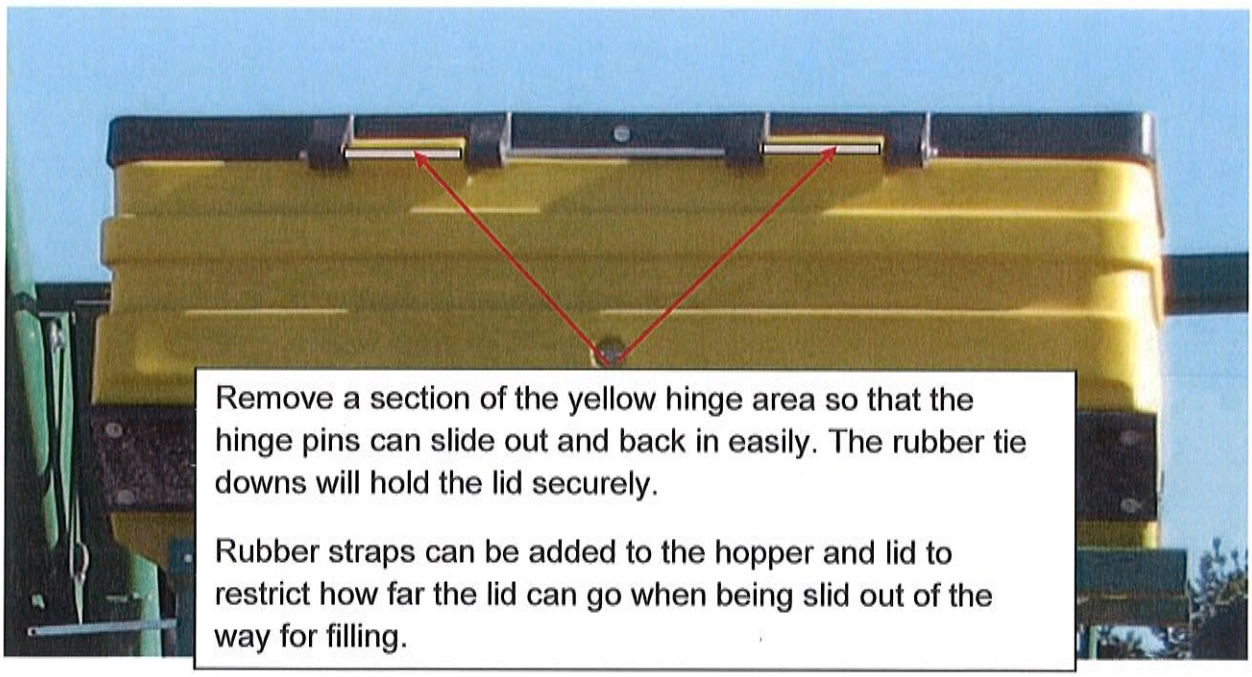
5: Remove clamp bands from the cross auger. Slide bottom half of clamp bands onto the crossarms, positioning them directly above the centre of the fertilizer hoppers.

6: Position cross auger so that the drops are above the three openings in the fertilizer hoppers.

7: With all parts properly positioned, attach the top half of the clamp bands and tighten all bolts & nuts.

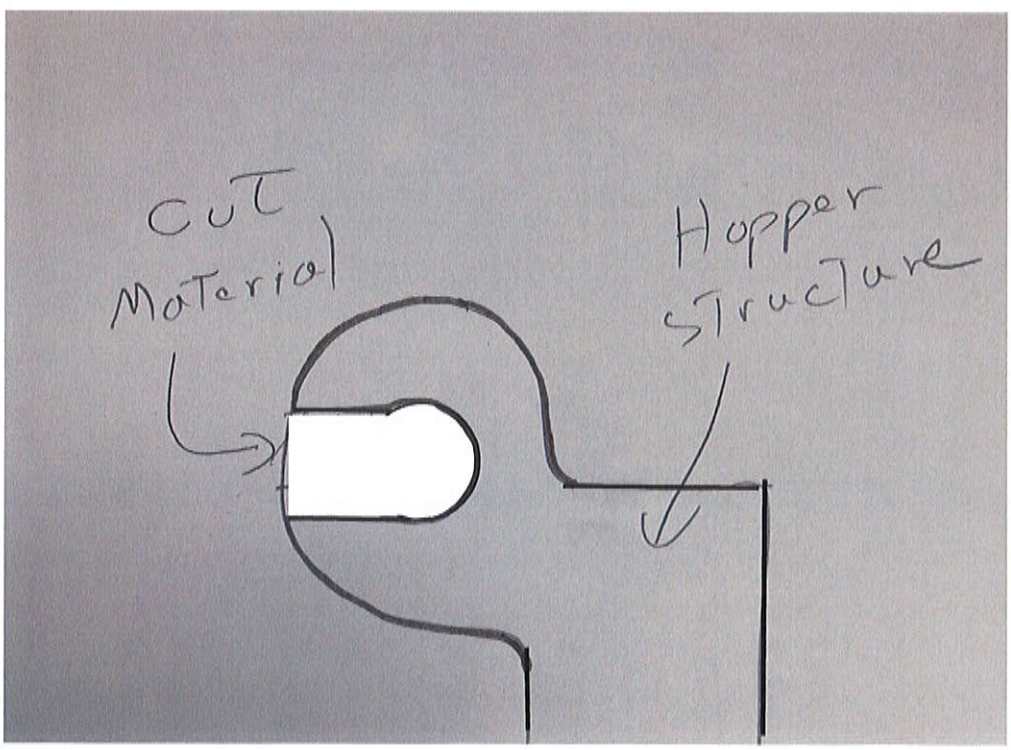
IMPORTANT

THE LIDS ON THE FERTILIZER HOPPERS MUST BE MODIFIED TO SLIDE INSTEAD OPENING UPWARDS.



Remove a section of the yellow hinge area so that the hinge pins can slide out and back in easily. The rubber tie downs will hold the lid securely.

Rubber straps can be added to the hopper and lid to restrict how far the lid can go when being slid out of the way for filling.

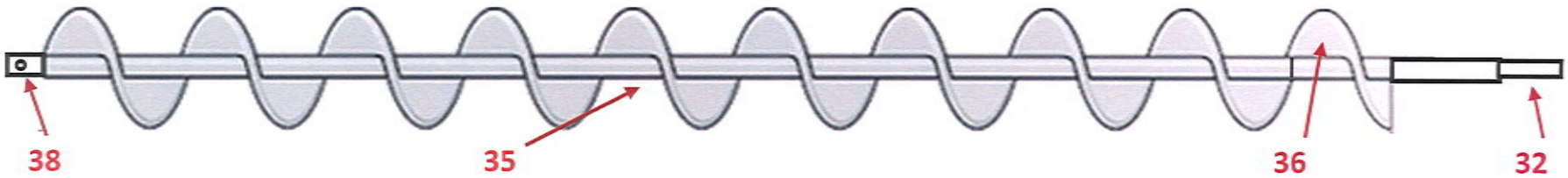


JD 1745 CROSS AUGER (2 TANK) PARTS LIST

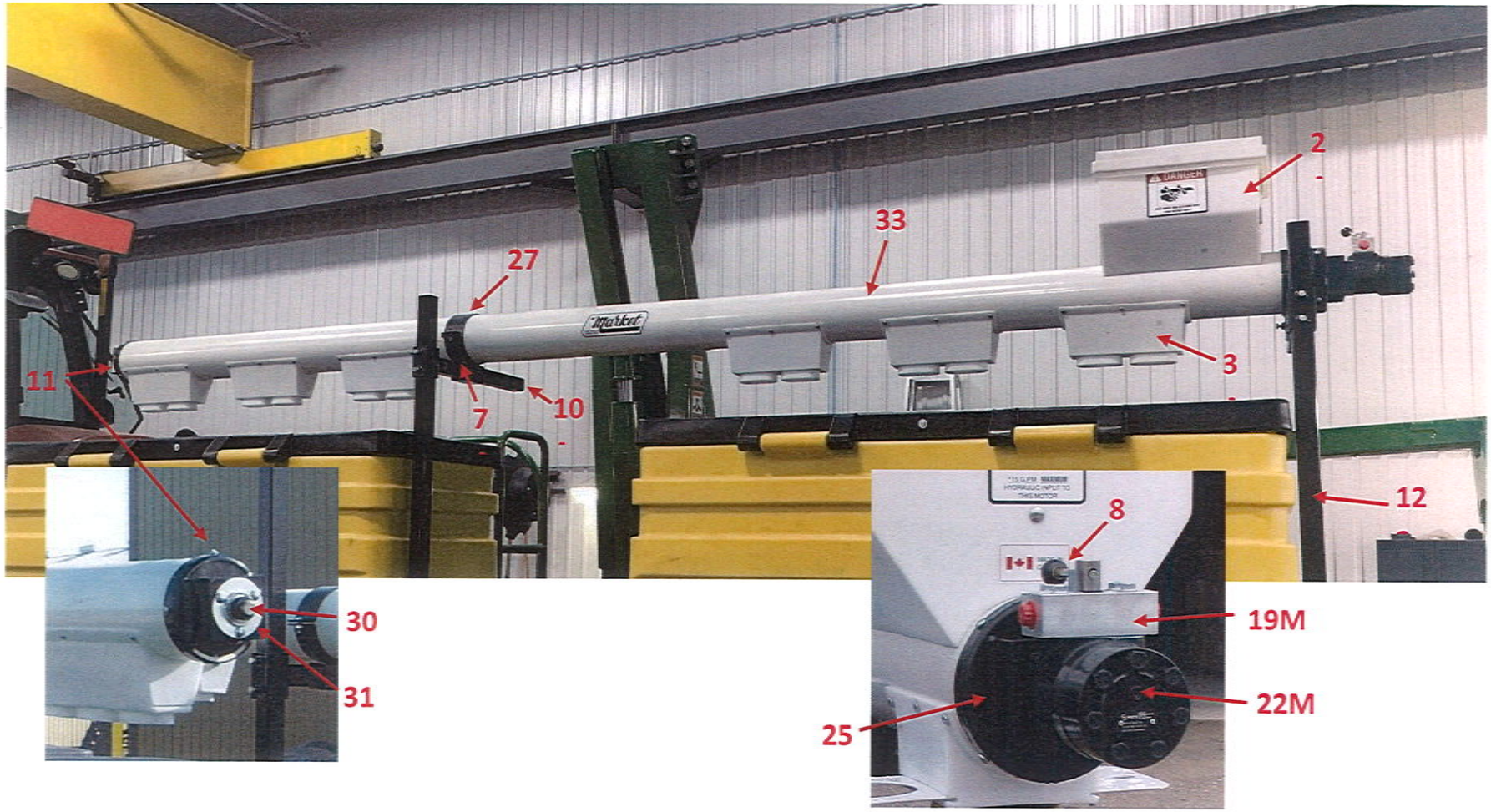
REF #	PRO CD	DESCRPTION
2	195	6" CROSS AUGER HOPPER & LID ASSY (W/ SAFETY GRILLE)
2A	654	CROSS AUGER HOPPER & LID **ONLY**
3	1507	SHORT PLASTIC DROP
4	1537	SHUT OFF SLIDE (FOR SHORT DROP)
7	194	6" CLAMP BAND ASSY W/ SQ. TUBE WELDMENT & #27
8	581	VALVE HANDLE W/ BLACK KNOWB
10	935	REGULAR CROSS ARM
11	751	OVERFLOW/BEARING END PLATE
11A	780	OVERFLOW/END BEARING ASSY W/ #11/30/31
12	1791	POST FOR JD 1745
19M	395	6 CUBIC INCH MOTOR
22M	117	MANIFOLD MOUNT VALVE
25	198	MOTOR MOUNT PLATE
27	181	½ PLAIN CLAMP BAND
30	585	1" BEARING C/W LOCK COLLAR
31	698	FLANGETTE (2 TOTAL)
32	106	SHAFT
33	193 x ___	6" PVC TUBE X ____ (SPECIFY LENGTH)
35	153 x ___	6" PLASTIC FLIGHTING (SPECIFY LENGTH) – un-prepared
36	397	6" PLASTIC MODULE/SEGMENT
38	402	STAINLESS STEEL MOTOR COUPLER

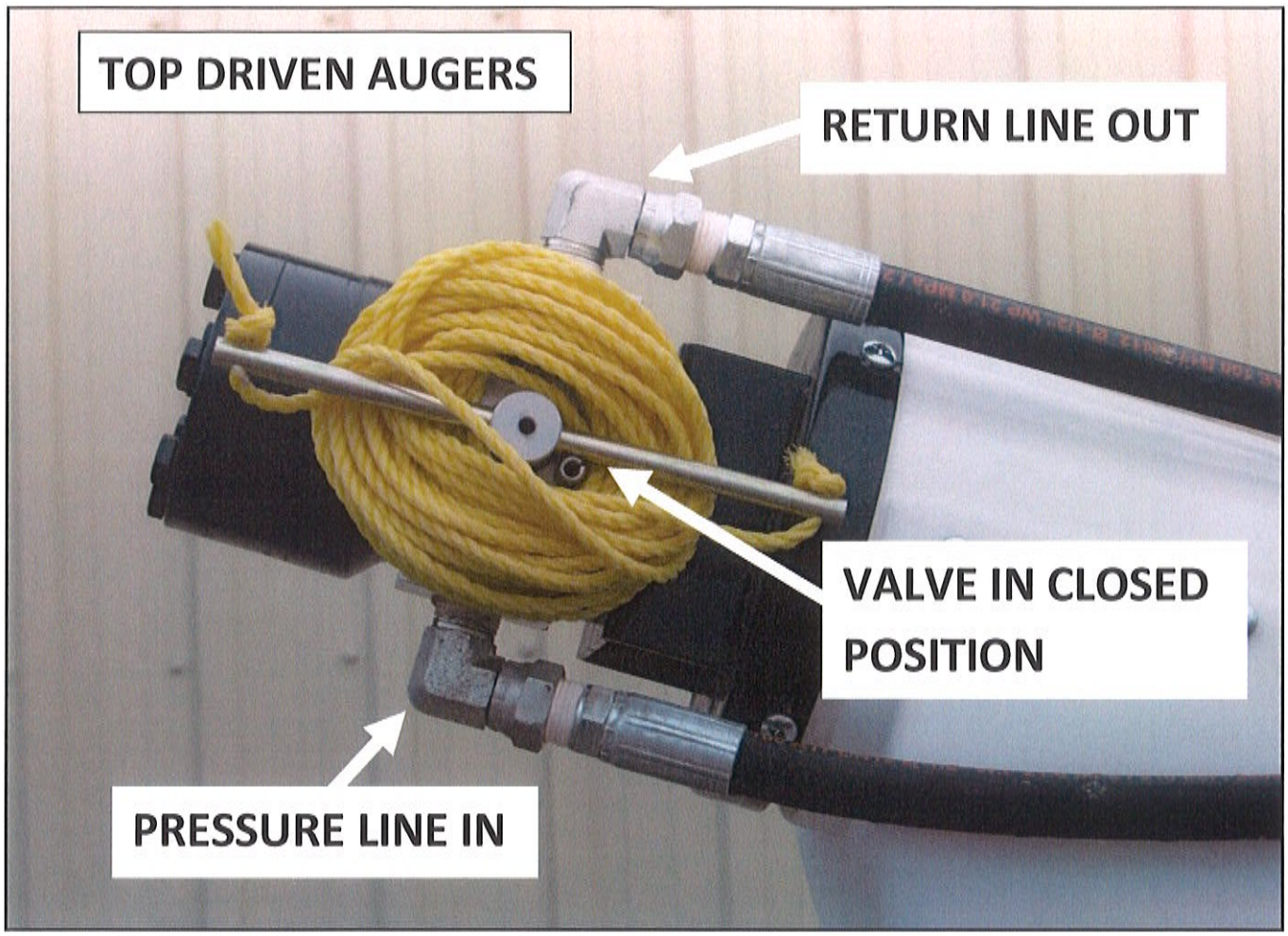
ALL NUTS & BOLTS SOLD DEPERATELY

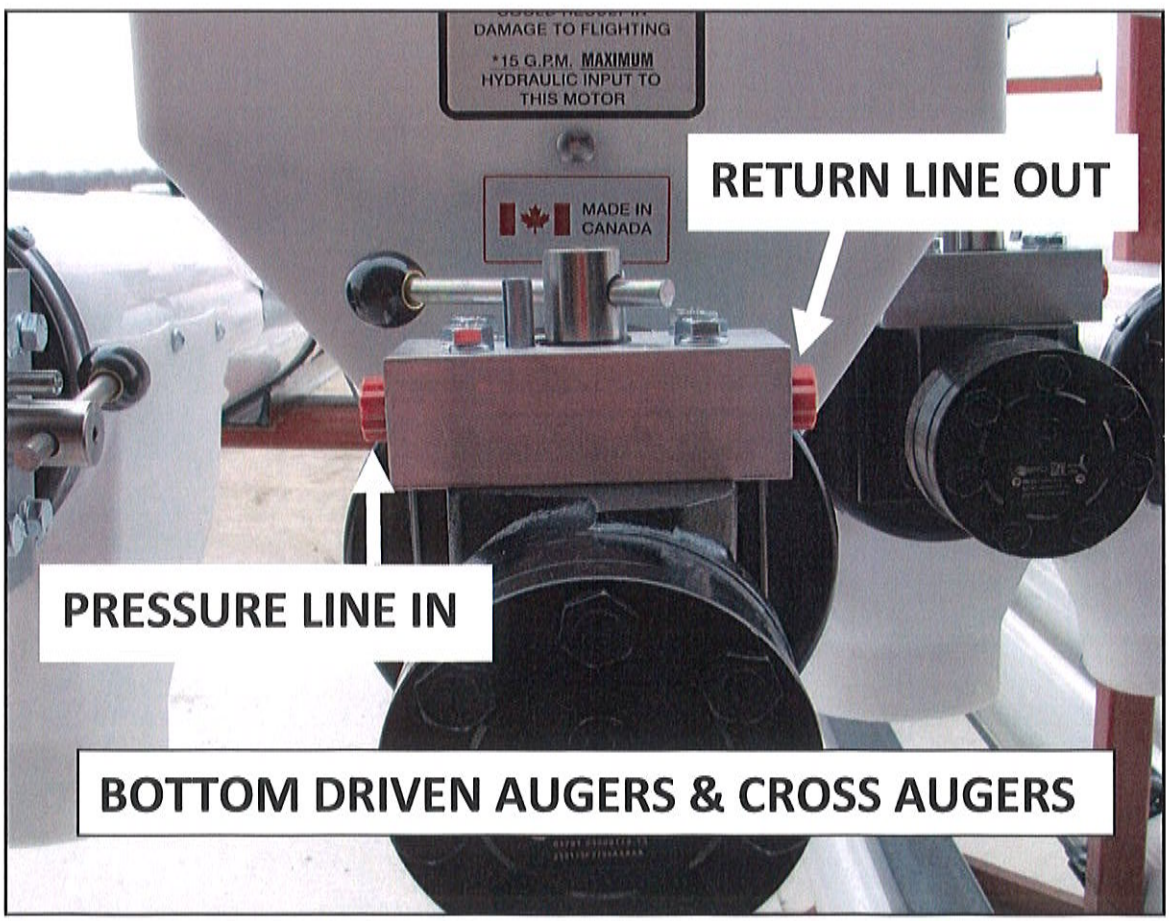
PLANTER CROSS AUGER PARTS



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



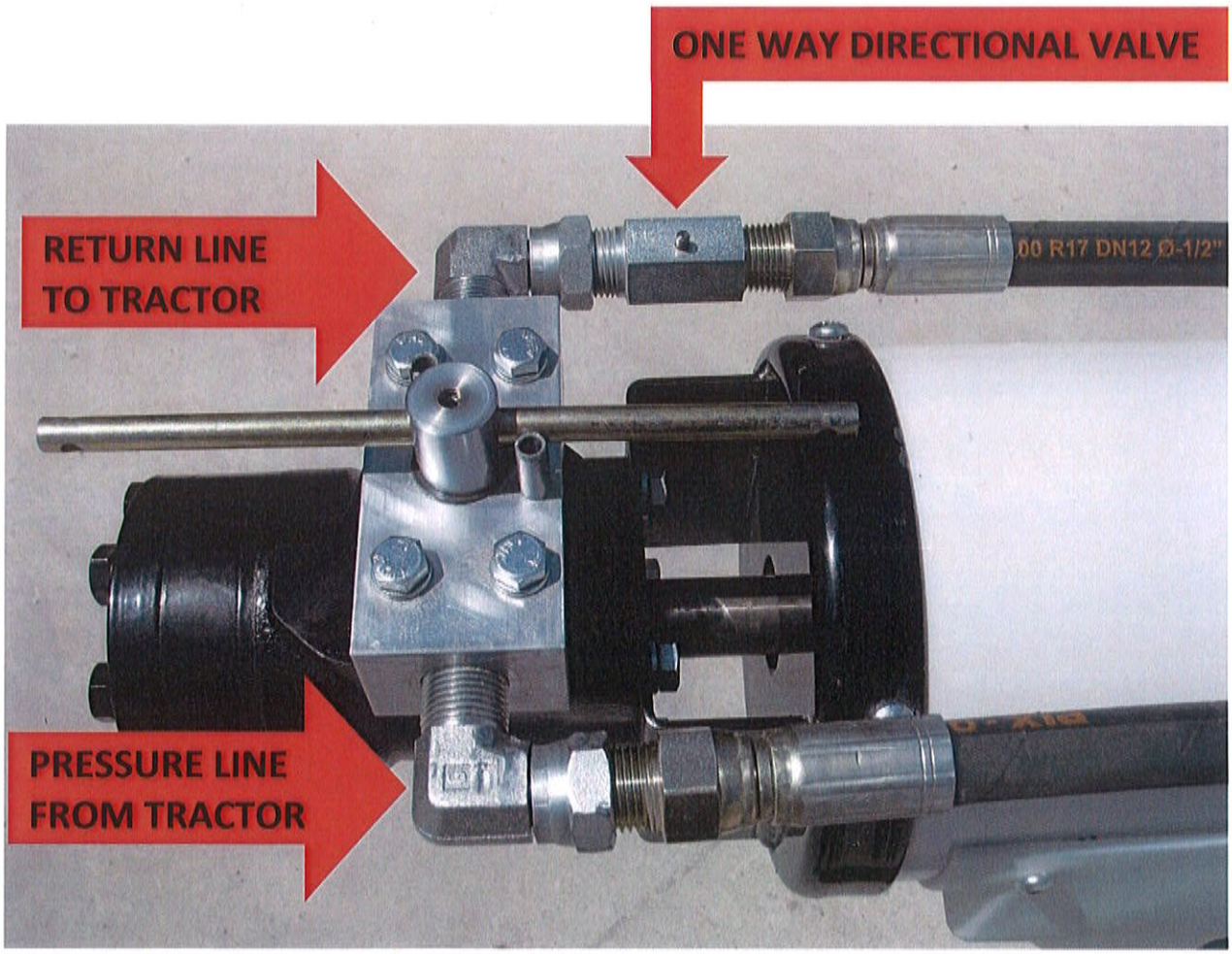

TOP DRIVEN AUGERS
RETURN LINE OUT
VALVE IN CLOSED POSITION
PRESSURE LINE IN


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

OPTIONAL ONE WAY DIRECTIONAL VALVE INSTALLATION INSTRUCTIONS

ALL FITTINGS ARE ½" NPT.

TO AVOID OIL LEAKS, USE TEFLON TAPE ON ALL THREADED ENDS.



THE ONE WAY DIRECTIONAL VALVE RESTRICTS THE AUGER FROM RUNNING IN THE REVERSE DIRECTION.

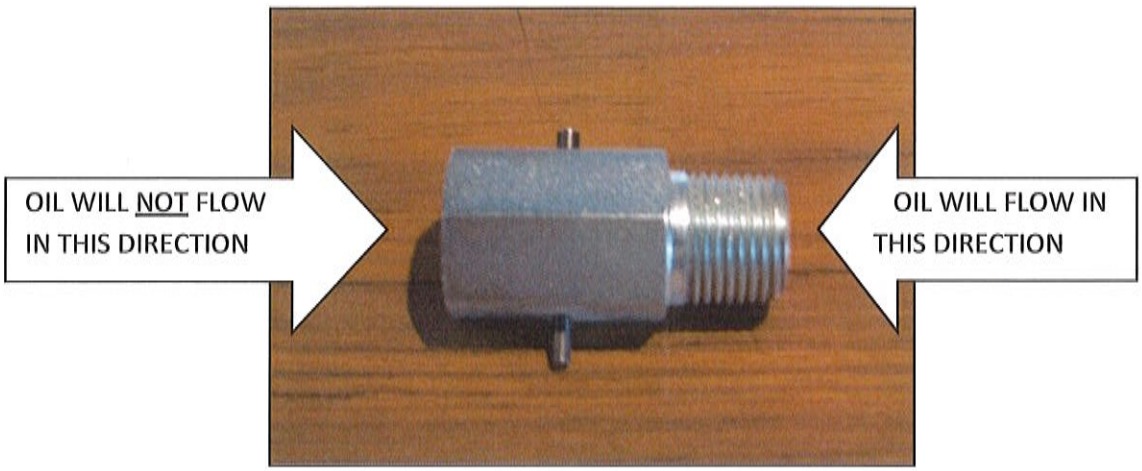
TOP DRIVEN AUGER SHOWN (PULLS MATERIAL TOWARDS MOTOR)

ON BOTTOM DRIVEN AUGER, (PUSHES MATERIAL AWAY FROM MOTOR) THE PRESSURE LINE & RETURN LINE ARE REVERSE.

OPTIONAL VALVES FOR HYDRAULIC AUGERS

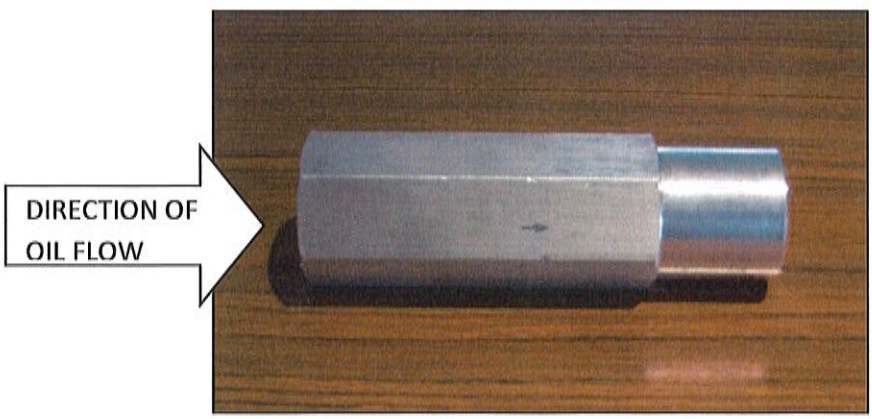
Note: These optional valves do not replace the shut-off valve on the auger.

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.

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