MARKET FARM EQUIPMENT LTD.

OPERATOR'S MANUAL
SET-UP INSTRUCTIONS, PARTS LIST,
WARRANTY REGISTRATION FORM

18' SINGLE AUGER SEED-FILL
JD 1770 NT/CCS



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"

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:_____

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.

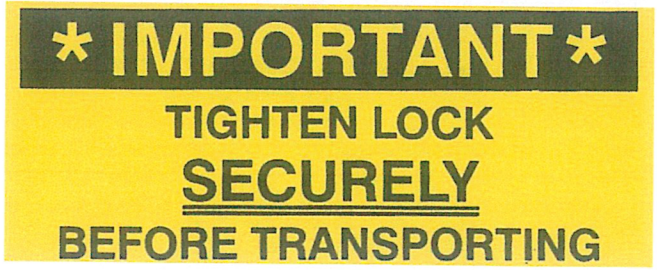
HYDRAULIC SYSTEM OPERATING RESTRICTIONS

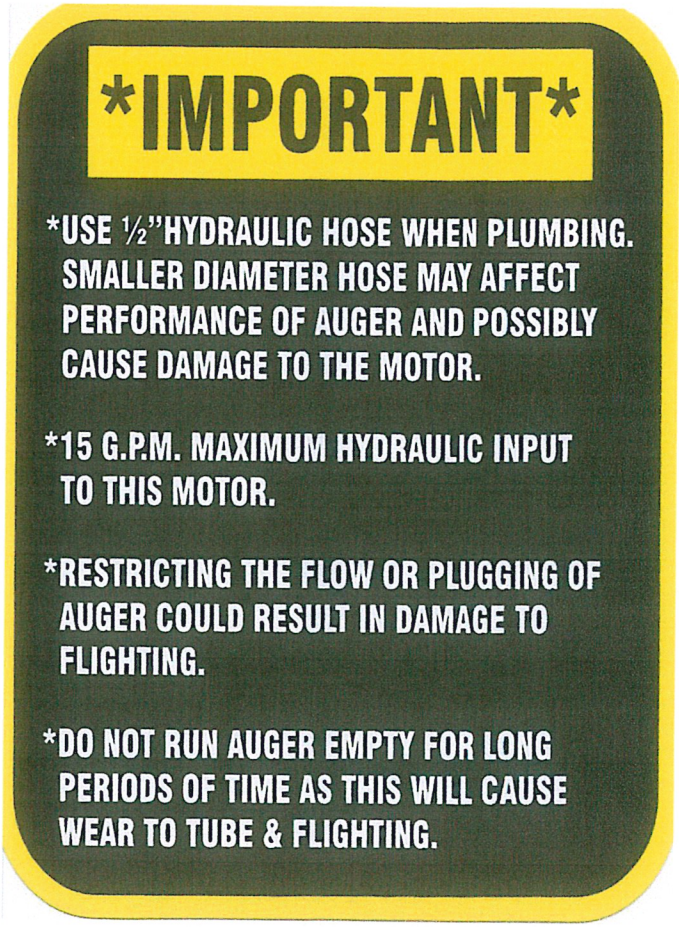
MAXIMUM FLOW – 15 G.P.M. MAXIMUM PRESSURE – 1750 P.S.I.

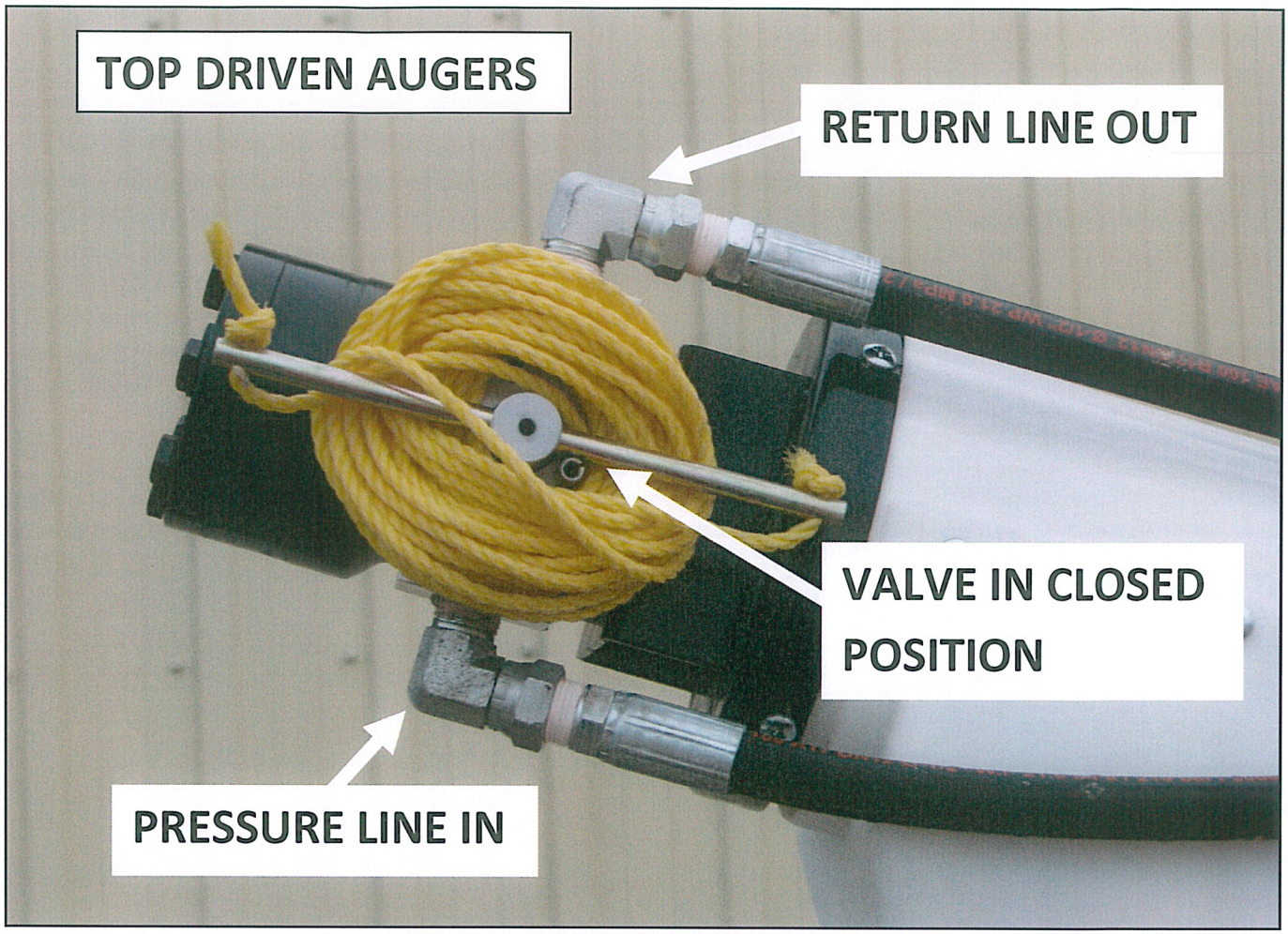
MAXIMUM FLOW AND MAXIMUM PRESSURE conditions MUST NOT occur simultaneously. Damage will occur and warranty will be void. Use only ½" hydraulic hose when plumbing. Smaller hose will create heat that will burn out the hydraulic motor and warranty will be void.

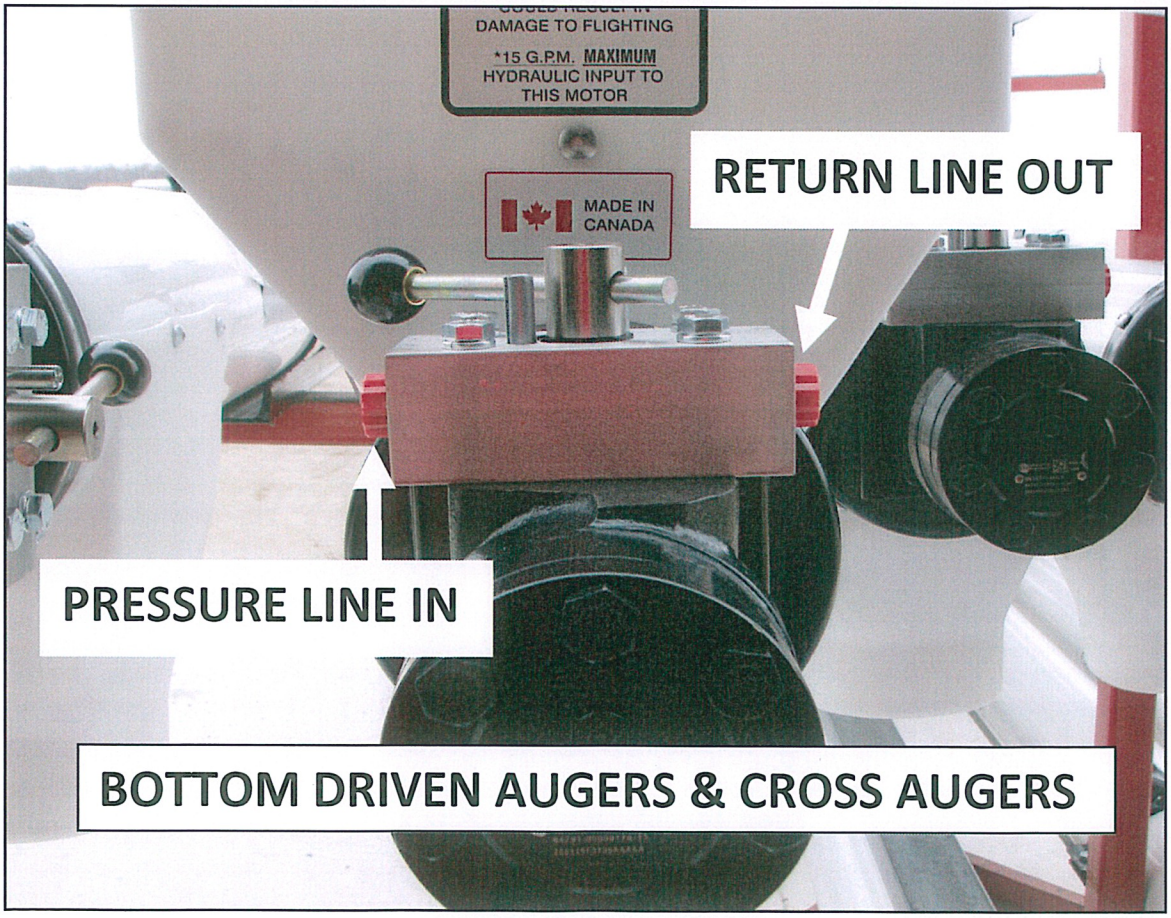
Do not tee into hydraulic lift cylinders on planters or drills.







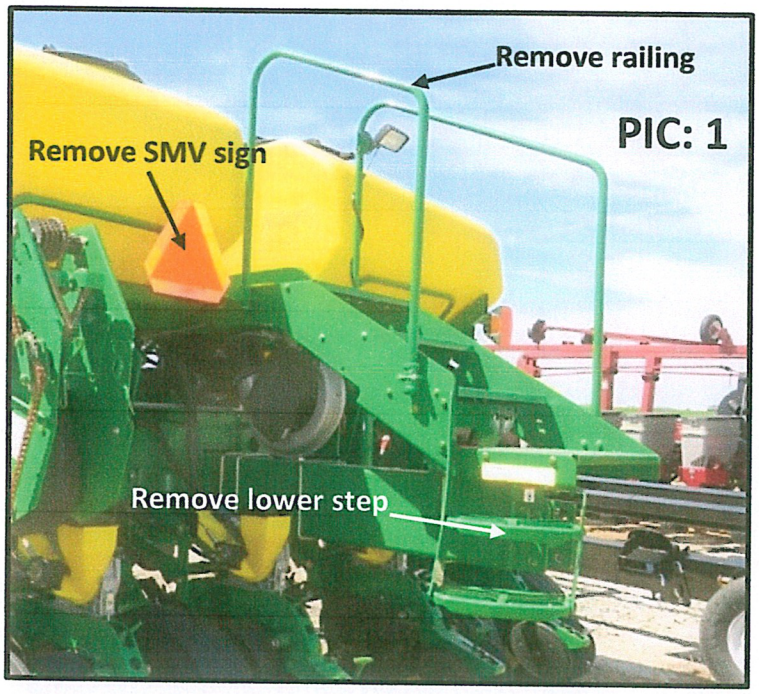

TOP DRIVEN AUGERS
RETURN LINE OUT
VALVE IN CLOSED POSITION
PRESSURE LINE IN


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

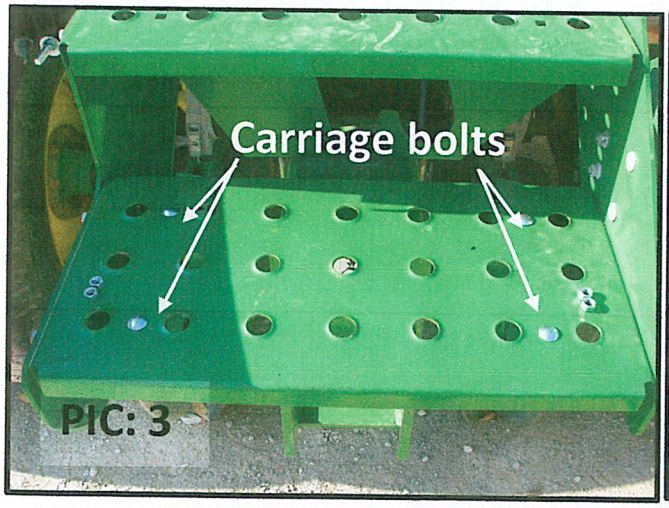
MOUNTING INSTRUCTIONS FOR 18' SINGLE AUGER SEED-FILL JD 1770 NT/CCS PLANTER

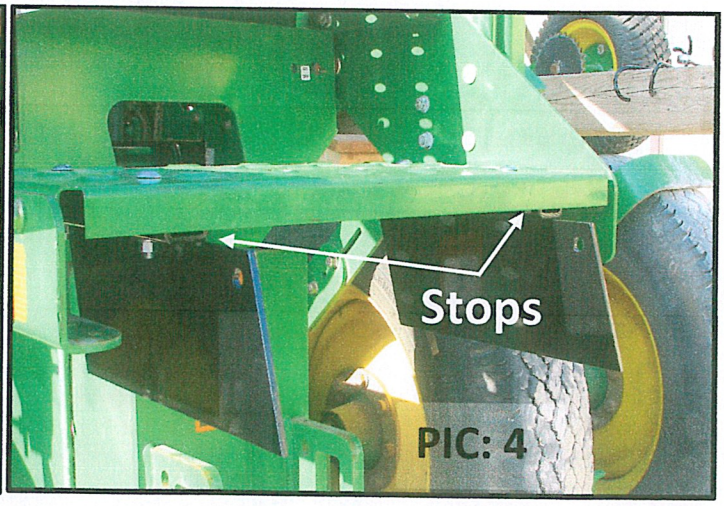
1: Remove the left-side platform hand railing, the SMV sign and the lower step assembly. PIC: 1.

2: Dismantle each step from end plates. Install new vertical end plates. PIC: 2.

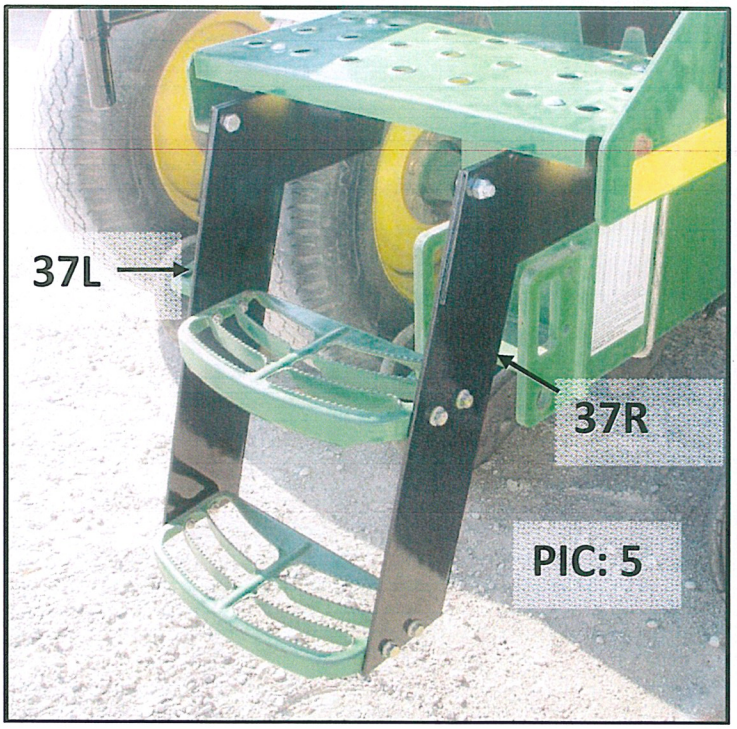






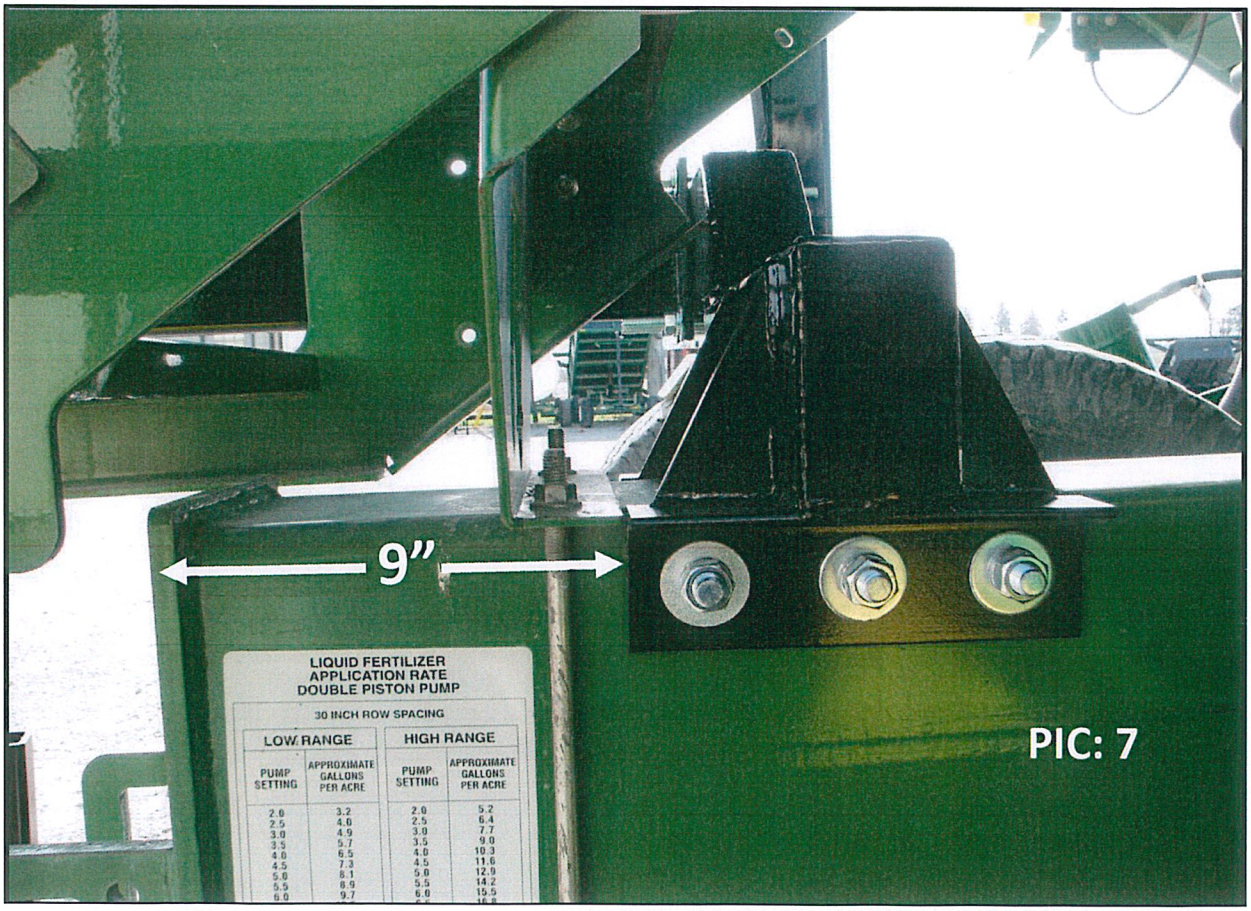


3: Install horizontal plates to bottom step using 3/8" carriage bolts & lock nuts. PIC: 3. Make sure that the stops on the horizontal plates are towards the inside. PIC: 4.

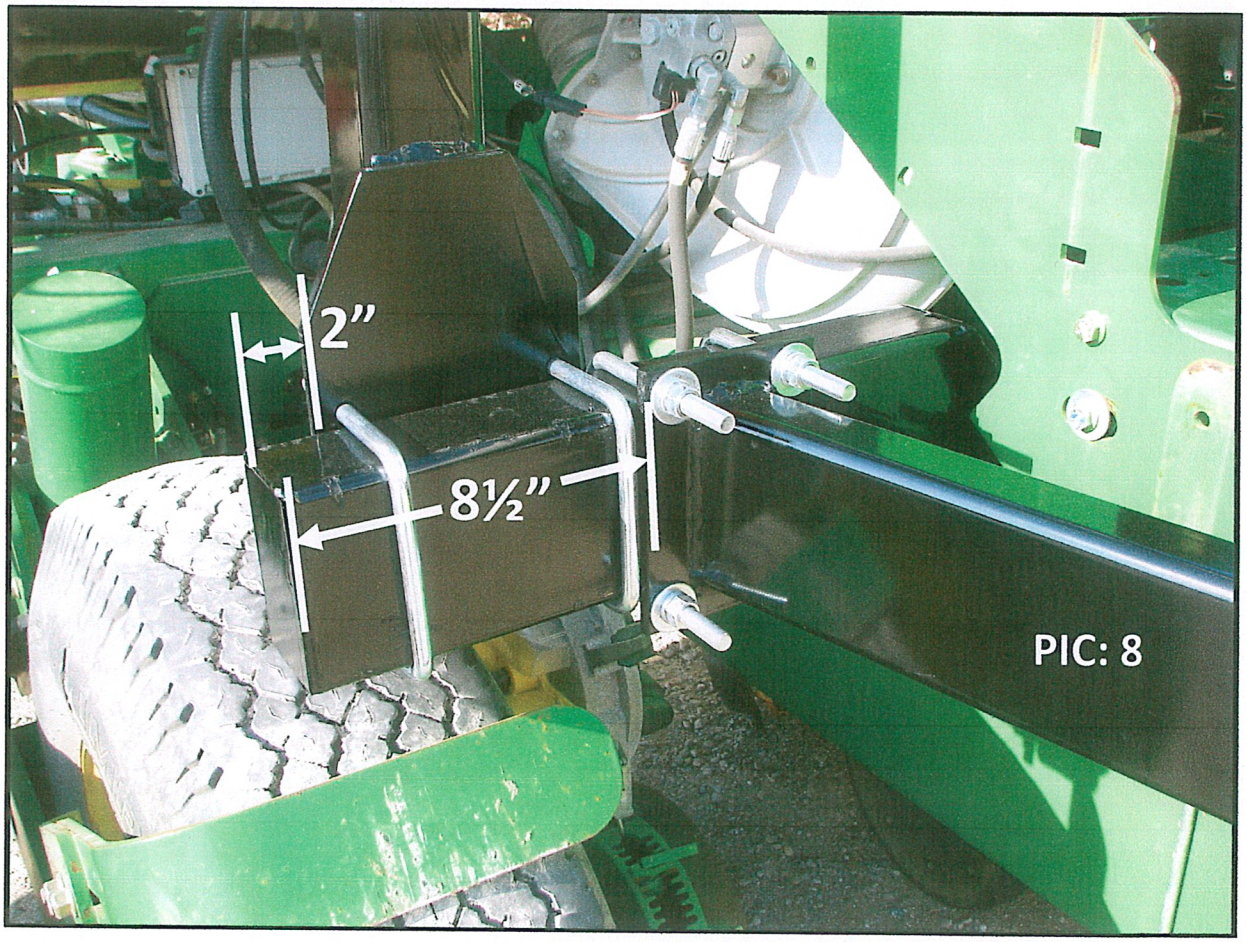




4: Attach step assembly using ½" x 1" bolts & lock nuts. PIC: 5. Do not over-tighten. The step should be able to swing upwards to allow access to rear hitch. PIC: 6.



5: Position frame weldment on main JD frame under steps. PIC: 7. Using frame weldment as a template, mark holes. Drill 11/16" holes. Mount frame weldment with 5/8" x 10" bolts, flat washers & lock nuts. Tighten securely.



6: Mount post & transport bracket as shown above. PIC: 8
Tighten securely

7: Remove cap from the top of the post. Slide the swing arm onto the post making sure not to damage the plastic sleeve. Re-attach the cap. Tighten securely. Slide the wedge lock receiver into the end of the transport bracket. Do not tighten. PIC: 9

8: Remove cap for the bottom of the swivel bracket on the auger. Slide the swivel bracket into the swing arm making sure not to damage the plastic sleeve. Re-attach the swivel bracket cap. PIC: 9



PIC: 9

9: Swing auger into the transport position. Slide the tab on the underside of the auger into the wedgelock receiver. Adjust height of the wedgelock receiver and tighten collar. Tighten bolt on the transport bracket to secure the wedgelock receiver.

10: Attach hopper making sure not to over tighten. Should be able to rotate for transport and cleanout.

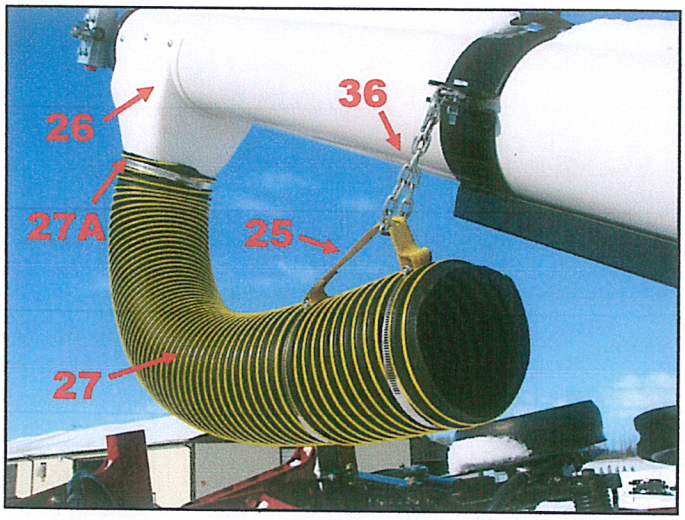
11: Attach downspout. Secure through handle with chain and snap lock.

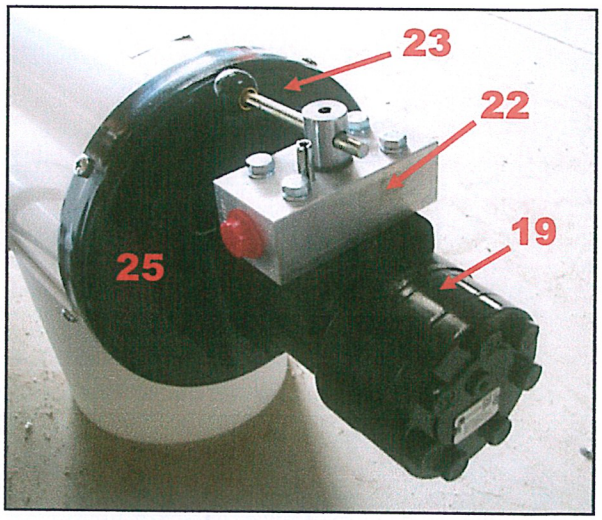
OPERATING INSTRUCTIONS:

Loosen lock bolt on transport bracket and the swing arm. Swing the auger into filling position so that the downspout reaches both seed hoppers.

Before transporting, make sure both lock bolts are tight. Rotate hopper to keep rain out.

JD 1770 CCS AUGER PARTS





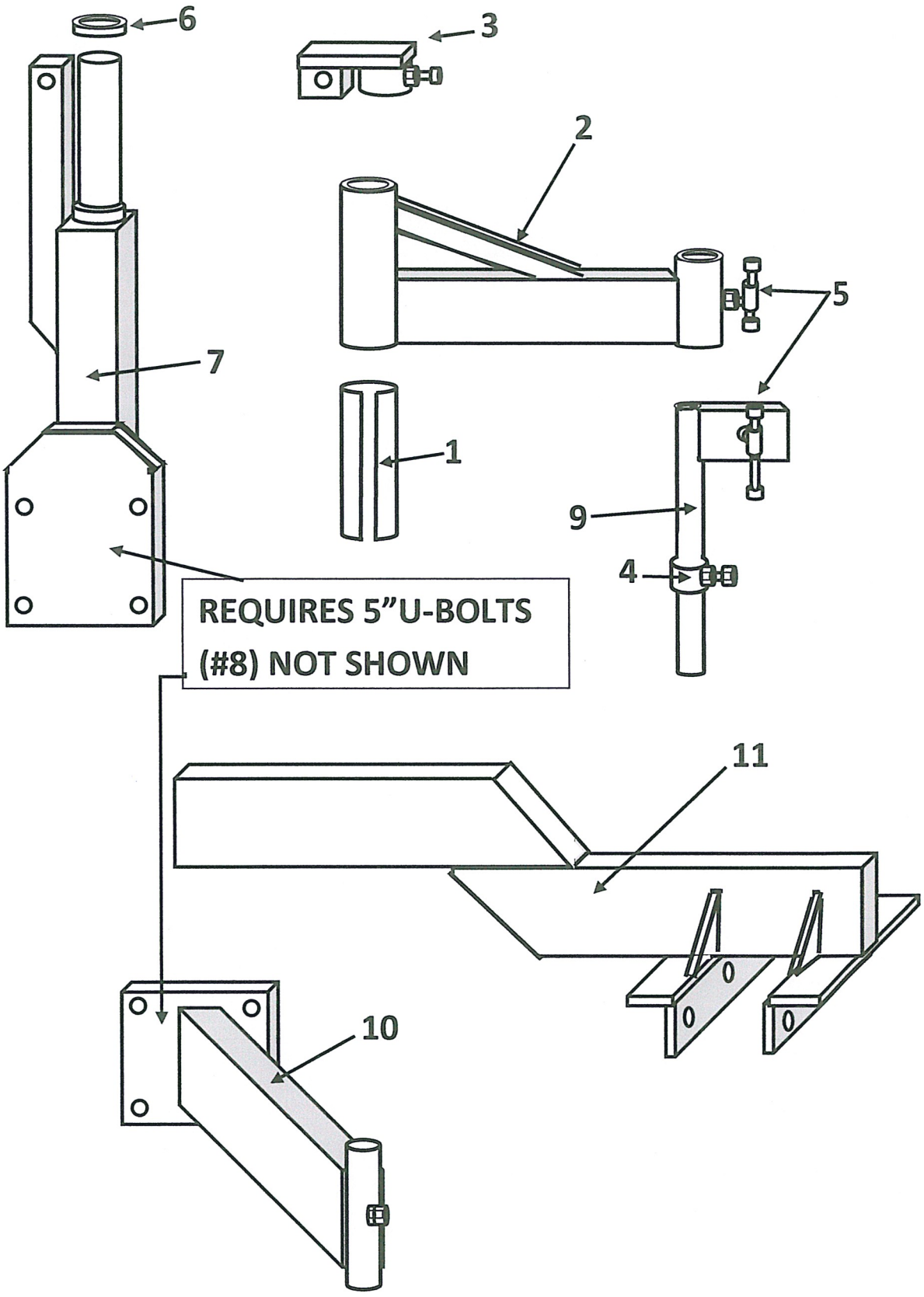


18' SINGLE AUGER SEED FILL FOR JD 1770 CCS
PARTS LIST

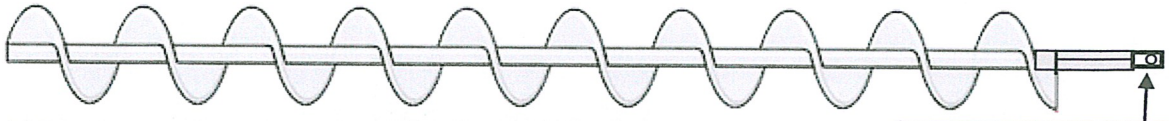
REF.#	PRO.#	PART DESCRIPTION
1	1485	9 ½" UHMW plastic sleeve
2	1188	Swing Arm (JD 1770 CCS)
3	1344	Post Cap
4		Lock Collar (#4 & #9 are called a Wedge Lock Tab Receiver assembly)
5	1175	Lock Bolt Assembly
6	783	UHMW Plastic Washer
7		Main Post (JD 1770 CCS)
8		5" U-Bolt
9	956	Wedge Lock Tab Receiver
10		Transport Bracket (JD 1770CCS)
11		Support Weldment (JD 1770 CCS)
14		Lower Support Channel
15		Upper Support Channel
16		Swivel Post for 18' S/A S/F
17		3" Flat Washer (Cap)
19	395	6 cu. in. Hydraulic Motor
22M	117	Valve (Manifold mount)
23	581	Valve Handle with knob
25	198	6" Motor Plate
26	613	6" Auger Discharge Spout c/w Screws
27	612	4' Flexible Downspout
27A	149	6" Hose Clamp
30	532	Hydraulic Line Holder
32	1203	Hopper Stop
33	193	6" Plastic Tube (Specify make of Planter & Length of Tube)
34P	153	6" Plastic Flighting (Specify Length)
34S	834	6" Cupped Steel Flighting (Specify Length)
34CP		5" Cupped Plastic Flighting (Specify Length)
35	546	6" Vertical Auger Hopper
35A	549	Vertical Auger Hopper Clamp Band (Not Shown)
35B	548	Vertical Auger Hopper Safety Grille (Not Shown)
36	1177	Chain c/w Snap Clip
37L		Step Bracket (Left)
37R		Step Bracket (Right)

All nuts & bolts sold separately

18’ SINGLE AUGER SEED-FILL FOR JD 1770 CCS



PLASTIC AUGER FLIGHTING

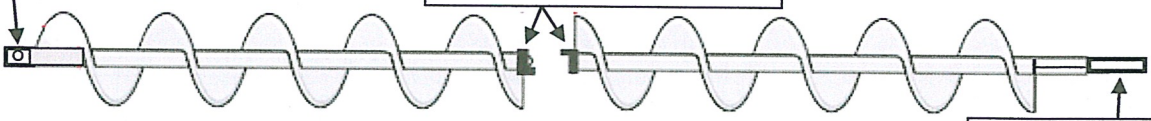


***GRAVITY BOX AUGER, TRANSPORT AUGER STYLE**
*WHEN ORDERING REPLACEMENT LENGTHS ALWAYS MEASURE OVERALL LENGTH & DIAMETER (TIP TO TIP)

(#402) 5"& 6"MOTOR COUPLER
(#1317) 7" MOTOR COUPLER
(#1145) 8" MOTOR COUPLER

MOTOR COUPLER

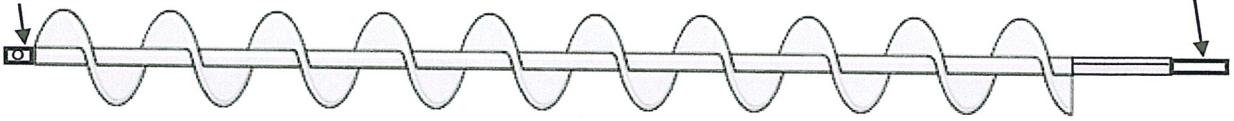
MALE/FEMALE DRIVE SET
SPECIFY 6" OR 8"



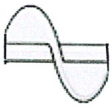
***FOLDING TRUCK AUGER STYLE**
*WHEN ORDERING REPLACEMENT LENGTHS, ALWAYS MEASURE OVERALL LENGTHS & DIAMETER OF BOTTOM SECTION & TOP SECTION SEPERATELY (TIP TO TIP)

(#607) 6" BEARING SHAFT
(#1075) 8" BEARING SHAFT

MOTOR COUPLER



***CROSS AUGER STYLE**
*WHEN ORDERING REPLACEMENT LENGTHS, ALWAYS MEASURE OVERALL LENGTH & DIAMETER (TIP TO TIP)



6" (5-5/8") DIA. STRAIGHT BLADE
(#397) PLASTIC MODULE
(4.75" LONG)

5" DIA. CUPPED BLADE
(#525) PLASTIC MODULE
(4" LONG)

8" (7-½") DIA. STRAIGHT BLADE
(#743) PLASTIC MODULE
(7.375" LONG)

7" DIA. CUPPED BLADE
(#1236) PLASTIC MODULE
(5.75" LONG)

5" CUPPED, 7" CUPPED & 8" STRAIGHT FLIGHTINGS HAVE GUSSETED MODULES AT THE TOP & BOTTOM. PLEASE SPECIFY WHEN ORDERING IF GUSSETED MODULES ARE REQUIRED.

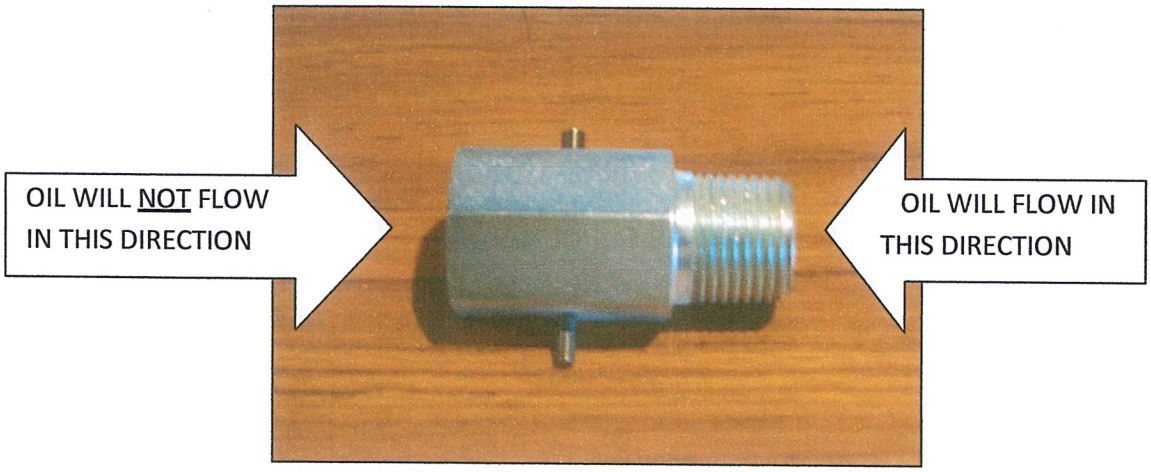




OPTIONAL VALVES FOR HYDRAULIC AUGERS

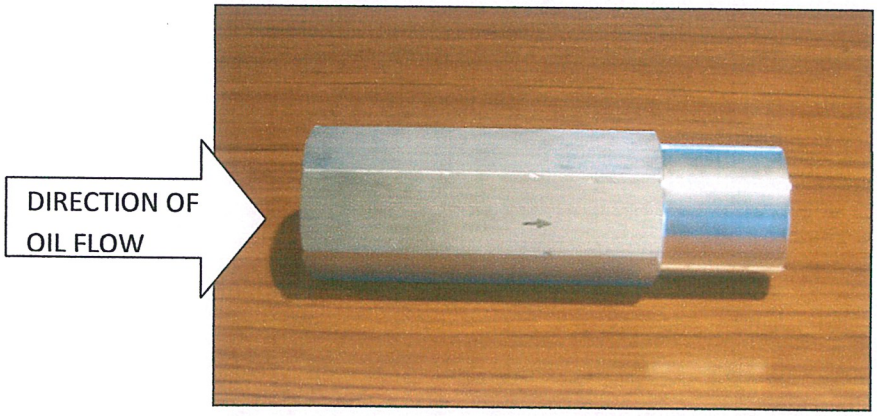
Note: These optional valves do not replace the shut-off valve on the auger.

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

IMPORTANT OPERATING INSTRUCTIONS

1: NEVER LEAVE THE DOWNSPOUT (TELESCOPING OR FLEX) UNATTENDED WHILE THE AUGER IS RUNNING. IF IT IS NECESSARY TO LEAVE THE DOWNSPOUT, SHUT AUGER OFF.

2: NEVER HOLD THE DOWNSPOUT (TELESCOPING OR FLEX) DOWN TOO LOW. THE MATERIAL CAN BUILD UP AND PLUG THE DISCHARGE. PLUGGING AND DAMAGE TO FLIGHTING CAN OCCUR QUICKLY. TO AVOID COSTLY DOWNTIME AND REPAIR COSTS ALWAYS BE AWARE OF HOW FULL YOUR SEED/FERTILIZER HOPPERS ARE GETTING WHILE FILLING.

3: NEVER EXCEED THE MAXIMUM 15 G.P.M. HYDRAULIC INPUT. MOST AUGERS REQUIRE 9-12 GPM AT 1200-1500 PSI TO RUN PROPERLY.

4: NEVER RUN AUGER EMPTY FOR LONG PERIODS OF TIME AS THIS WILL CAUSE WEAR TO THE TUBE & FLIGHTING.

5: OPTIONAL FLOW REGULATOR VALVES (10 GPM MAX.) AND DIRECTIONAL VALVES ARE AVAILABLE.

6: OPTIONAL ELECTRIC SOLENOID VALVES ARE AVAILABLE WITH CABLE OR REMOTE SHUT-OFF/ON FEATURES.

PLEASE READ ALL SAFETY/IMPORTANT DECALS ON THE AUGER. UNDERSTANDING THE AUGERS REQUIREMENTS AND PROPER USE WILL ENSURE A LONG AND TROUBLE FREE LIFE FOR THE AUGER.

IMPORTANT

YOUR AUGERS DOWNSPOUT SHOULD NEVER BE SET DOWN OR LEFT UNATTENDED WHILE THE AUGER IS RUNNING.

MATERIAL CAN BUILD UP QUICKLY CAUSING THE DOWNSPOUT AND AUGER TO PLUG. THIS CAN DAMAGE THE AUGERS FLIGHTING AND MOTOR.

ALWAYS TURN AUGER OFF BEFORE LEAVING THE DOWNSPOUT TO ATTEND TO OTHER MATTERS.



