



**OPERATOR'S MANUAL
SET-UP INSTRUCTIONS
&
PARTS LIST**

**18' SINGLE AUGER SEED-FILL
CIH 500T & NEW HOLLAND 2080P/2085P
AIR DISK DRILL**



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 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.

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:_____

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.

SAFETY INFORMATION

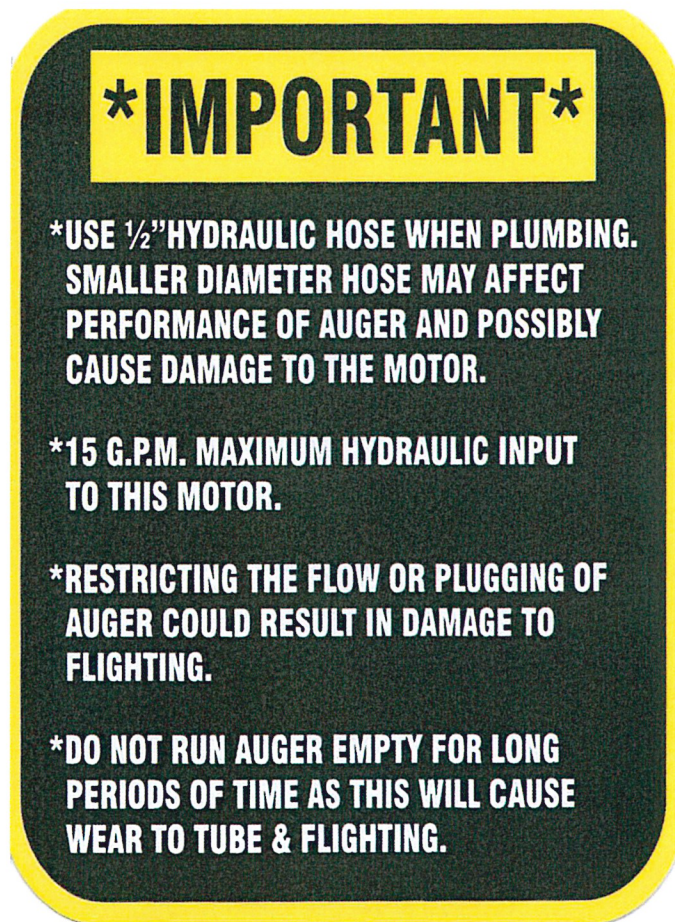
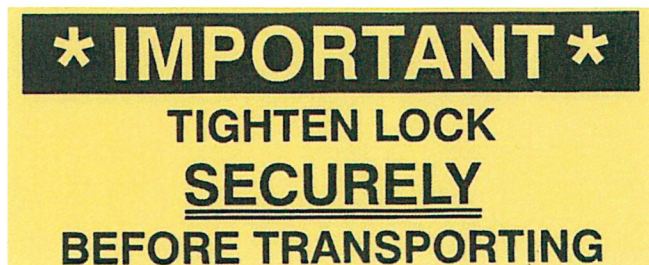
- Before using auger READ and UNDERSTAND SAFETY INSTRUCTIONS.
- After hydraulic lines are connected, run auger empty to ensure the flighting is rotating in the proper direction. (if ran backwards, damage may occur)
- Auger should be empty when moving or transporting.
- Hydraulic oil leaking under pressure 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.

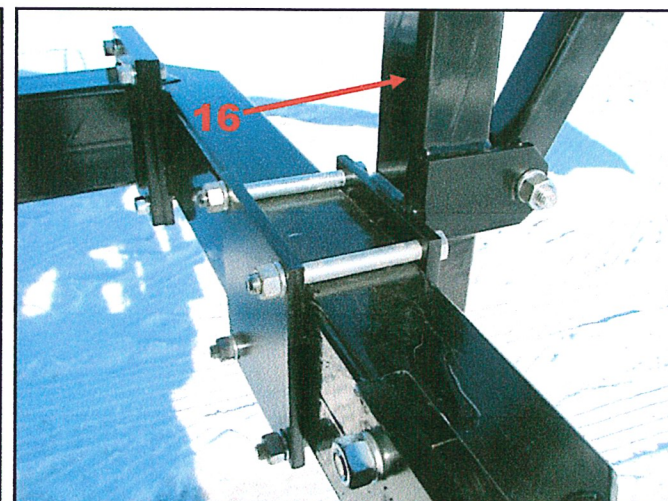
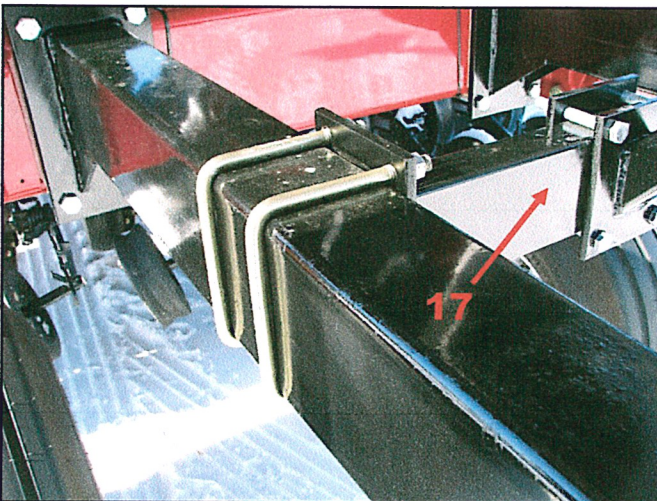
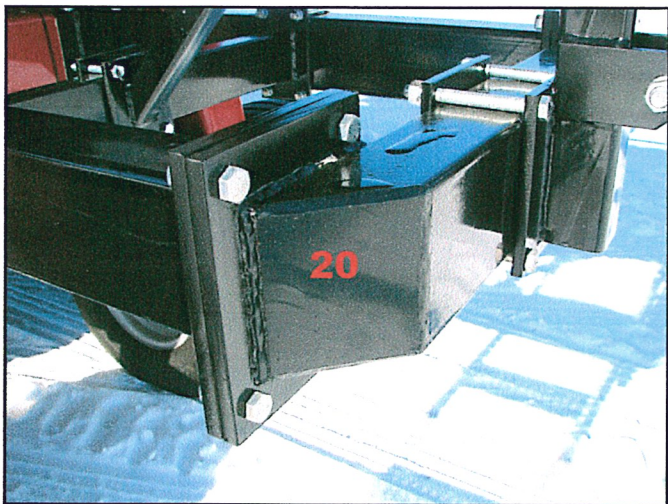
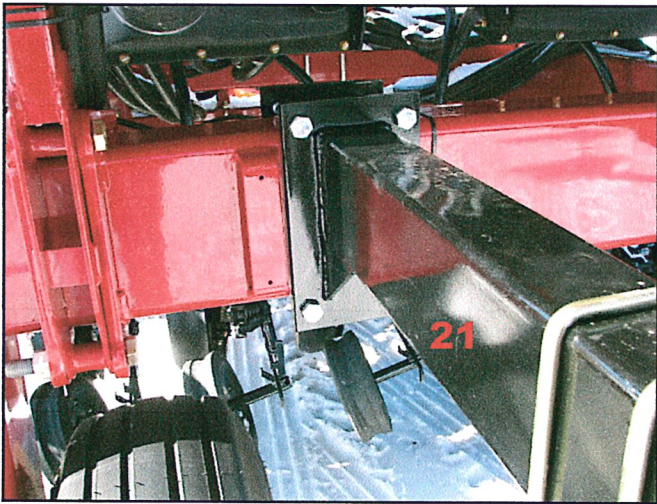
MAXIMUM FLOW AND MAXIMUM PRESSURE conditions MUST NOT occur simultaneously. Damage will occur and warranty will be void. Use only ½" hydraulic hose when plumbing. Smaller hose will create heat that will burn out the hydraulic motor and warranty will be void.

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

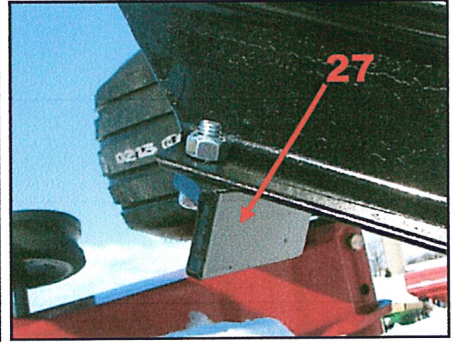
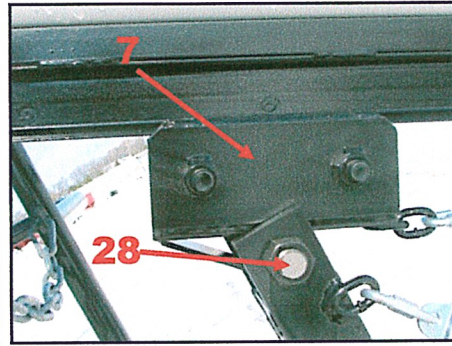
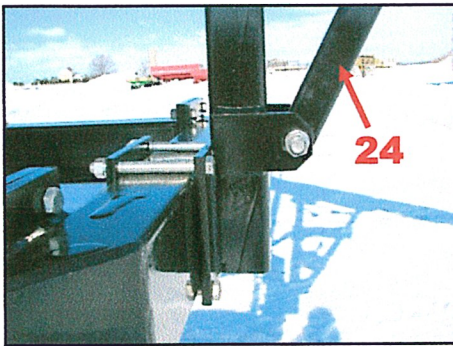
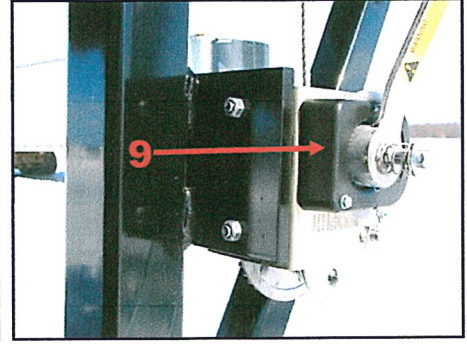
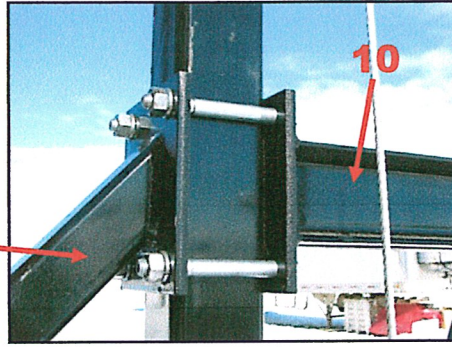
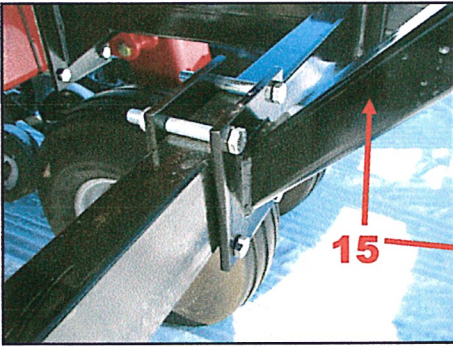


SINGLE AUGER SEED-FILL ASSEMBLY INSTRUCTIONS

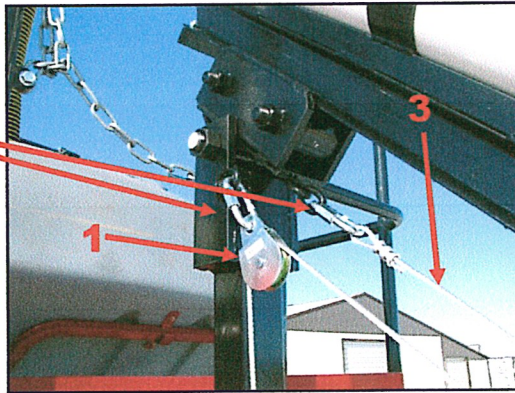
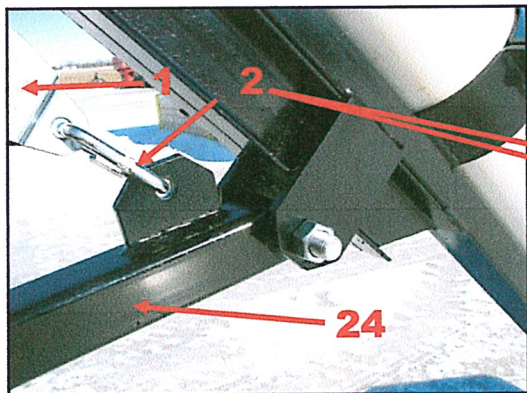
- 1: Mount sub-frame legs to frame of air drill using $\frac{3}{4}$ " X 8" bolts & lock nuts. Do not tighten bolts. Attach sub-frame beam to sub-frame legs using $\frac{5}{8}$ " X 2" bolts & lock nuts. Do not tighten bolts.**
- 2: Mount tie-beam between sub-frame legs using 6" U-bolts & lock nuts. Do not tighten bolts.**



- 3: Mount post to sub-frame beam using $\frac{5}{8}$ " X 6" bolts & lock nuts. Center post in the middle of the opening on the catwalk guardrail. Tighten bolts.**
- 4: Mount brace to tie beam using $\frac{1}{2}$ " x $3\frac{1}{2}$ " bolts & lock nuts. Tighten bolts.**
- 5: Tighten all bolts on the sub-frame legs, sub-frame beam & tie-beam.**
- 6: Mount transport bracket to the post & brace using $\frac{1}{2}$ " x $4\frac{1}{2}$ " bolts & lock nuts. Tighten all bolts.**
- 7: Mount winch using $\frac{3}{8}$ " x 1" bolts & lock nuts. Tighten all bolts.**
- 8: Attach auger tie-beam to the post using a $\frac{3}{4}$ " X 5" bolt & lock nut. Do not over tighten. The tie-beam must be able to move up & down freely.**
- 9: Slide roller assembly onto the channel on the bottom side of the auger. Mount roller stop to the top end of the channel using $\frac{3}{8}$ " x 1" bolts & lock nuts. Tighten all bolts. Use vise grips to keep the roller from sliding down the channel.**



10: Use a chain fall or other means to lift the auger up. Position the auger over the post. Attach the roller to the post using a 1 1/8" x 7" bolt, lock washer & nut.



11: Attach the auger tie-beam to the auger using a 3/4" X 5" bolt & lock nut. Do not over tighten. The tie-beam must be able to move up & down freely.

12: Secure pulleys to the chain link on the post & the tab on the auger tie-beam using 3/8" quick links.

13: Secure swaged end of the cable to the chain link on the roller using a 3/8" quick link. Run cable through the pulley on the auger tie-beam, up to and through the pulley on the post, then to the winch.

14: Keep tension on the cable as you wind it onto the winch.

15: Raise auger and secure in the transport bracket using a 5/8" bent pin & hair pin.

16: Mount hopper assembly.

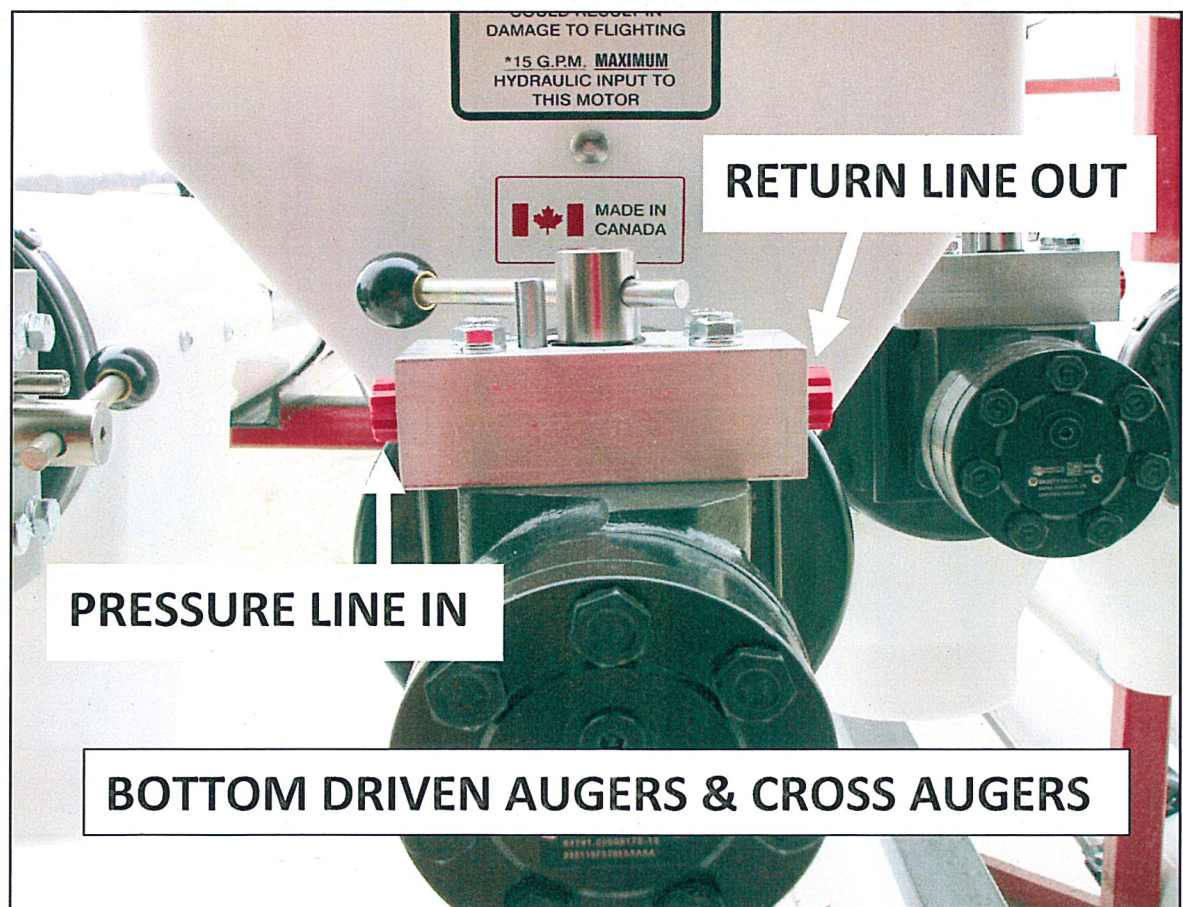
17: Attach downspout using the hose clamp and secure with chain & quick snap.

TOP DRIVEN AUGERS

RETURN LINE OUT

**VALVE IN CLOSED
POSITION**

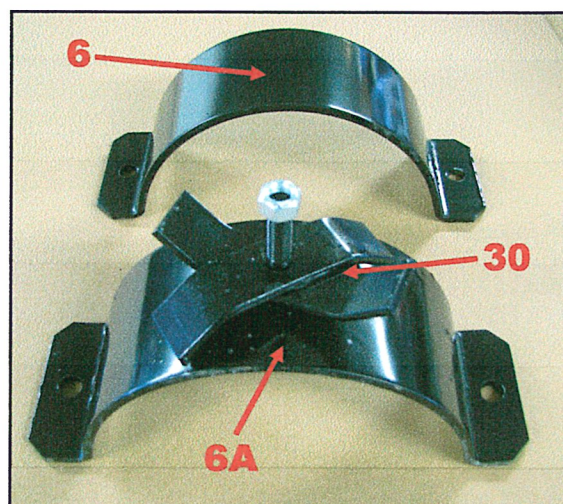
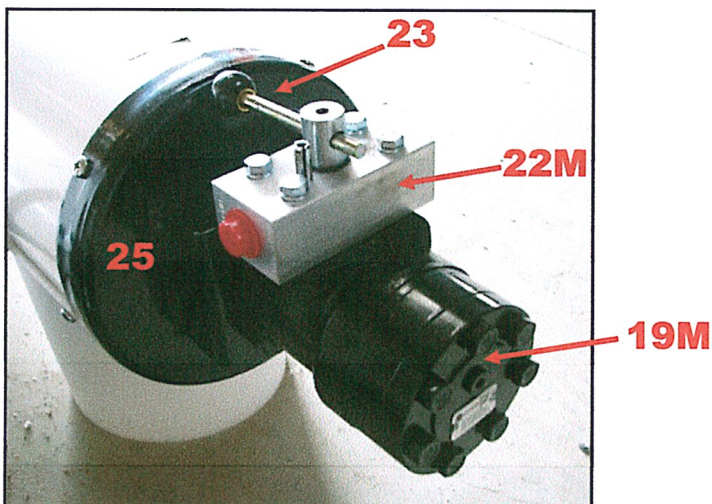
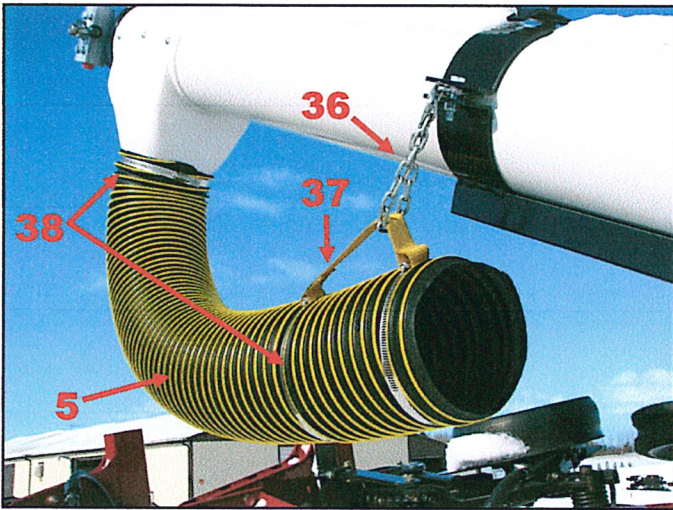
PRESSURE LINE IN



RETURN LINE OUT

PRESSURE LINE IN

BOTTOM DRIVEN AUGERS & CROSS AUGERS



18' SINGLE AUGER SEED FILL PARTS LIST FOR CIH 500T & NEW HOLLAND 2080P/2085P AIR DISK DRILLS

REF.#	PRO.#	PART DESCRIPTION
1	376	2½" Pulley
2	587	3/8" Quick Link
3	135	Winch Cable
4	100	5/8" Bent Pin c/w Hair Pin
5	148	4' Downspout
6	181	Clamp Band
6A		Clamp Band c/w Bolt
7		Roller Assembly
9		Winch
10		Transport Bracket
14		Lower Support Channel
15		Brace c/w Backer Plate
16		Post c/w Backer Plate
17		Tie-Beam
19M	395	6 cu. in. Hydraulic Motor (Manifold)
20		Sub-Frame Beam
21		Sub-Frames (1-Left & 1-Right) c/w Backer Plates
22M	117	'H' Valve (Manifold mount)
23	263	H-4 Valve Handle c/w Black Knob (132)
24		Auger Tie-Beam
25	198	6" Motor Plate
26	613	6" Auger Discharge Spout c/w Screws
27		Roller Stop
28		1" x 7" Bolt c/w Lock Washer & Nut
29	822	SMV Sign
30	532	Hydraulic Line Holder
32	1203	Hopper Stop
33	193	6" Plastic Tube (Specify make of Planter & Length of Tube)
34B	657	6" Bristle Flighting (Specify Length)
34S	834	6" Cupped Steel Flighting (Specify Length)
34CP	742	5" Cupped Plastic Flighting (Specify Length)
35	546	6" Vertical Auger Hopper
35A	549	Vertical Auger Hopper Clamp Band
35B	548	Vertical Auger Hopper Safety Grille
36	1177	Chain c/w Snap Clip
37	614	Downspout Handle
38	149	6" Hose Clamp

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.



IMPORTANT OPERATING INSTRUCTIONS

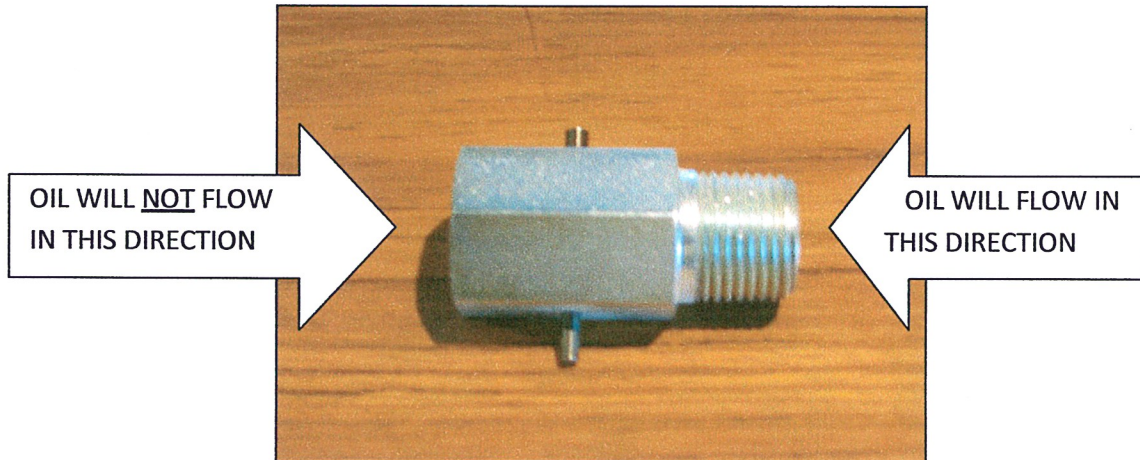
- 1: NEVER LEAVE THE DOWNSPOUT (TELESCOPING OR FLEX) UNATTENDED WHILE THE AUGER IS RUNNING. IF IT IS NECESSARY TO LEAVE THE DOWNSPOUT, SHUT AUGER OFF.**
- 2: NEVER HOLD THE DOWNSPOUT (TELESCOPING OR FLEX) DOWN TOO LOW. THE MATERIAL CAN BUILD UP AND PLUG THE DISCHARGE. PLUGGING AND DAMAGE TO FLIGHTING 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.

OPTIONAL VALVES FOR HYDRAULIC AUGERS

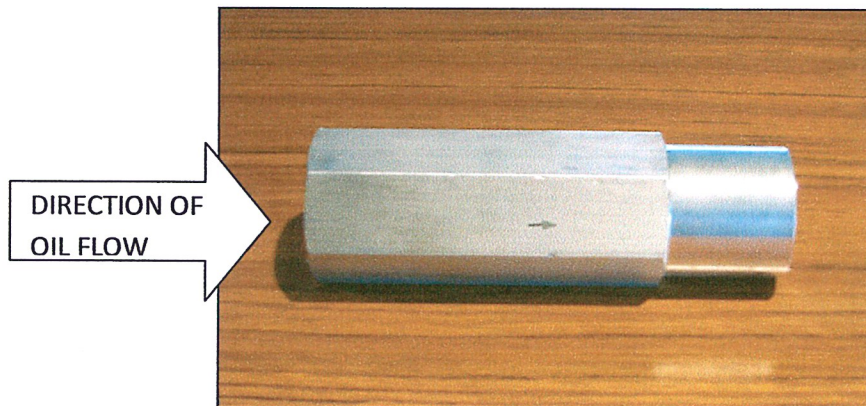
Note: These optional valves do not replace the shut-off valve on the auger.

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 $\frac{1}{2}$ " 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 $\frac{3}{4}$ " NPTF (must be reduced to $\frac{1}{2}$ ")

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
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