



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

**15' PORTABLE AUGER**



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

**TEL# 519-238-2301 FAX# 519-238-6044 E-MAIL: [mfeltd@execulink.com](mailto:mfeltd@execulink.com)**

**[www.marketfarmequipment.com](http://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

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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**

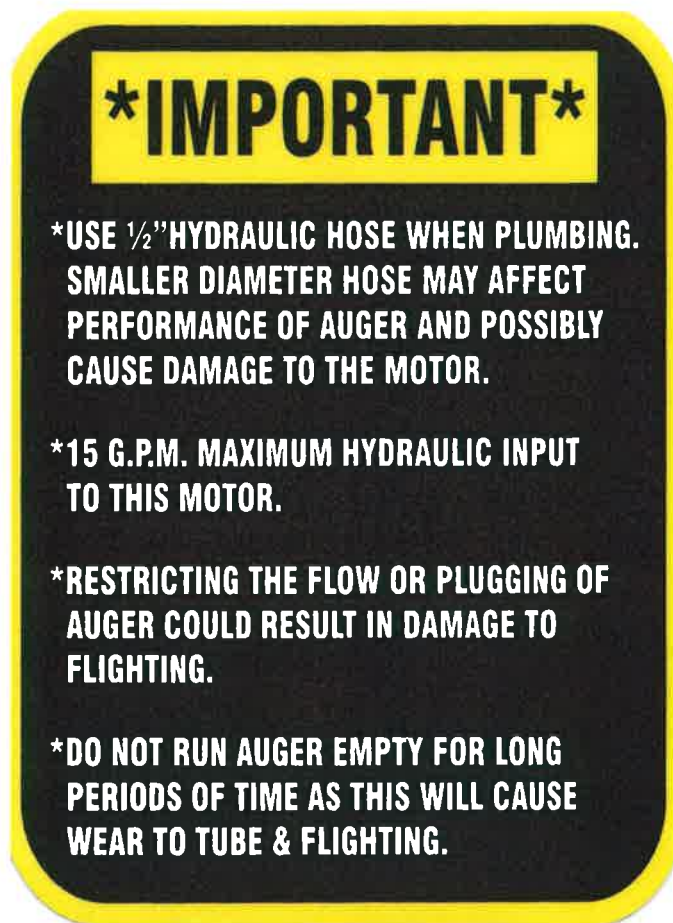
- Before using auger READ and UNDERSTAND SAFETY INSTRUCTIONS.
- After hydraulic lines are connected, run auger empty to ensure the flighting is rotating in the proper direction. (if ran backwards, damage may occur)
- Auger should be empty when moving or transporting.
- Hydraulic oil leaking under pressure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



## PORTABLE AUGER FRAME KIT SET-UP INSTRUCTIONS

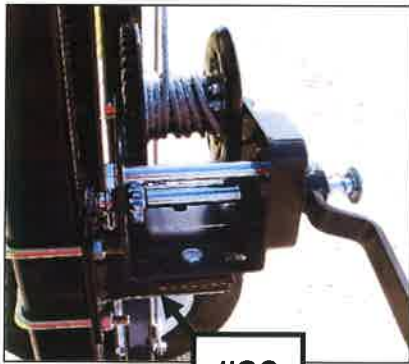
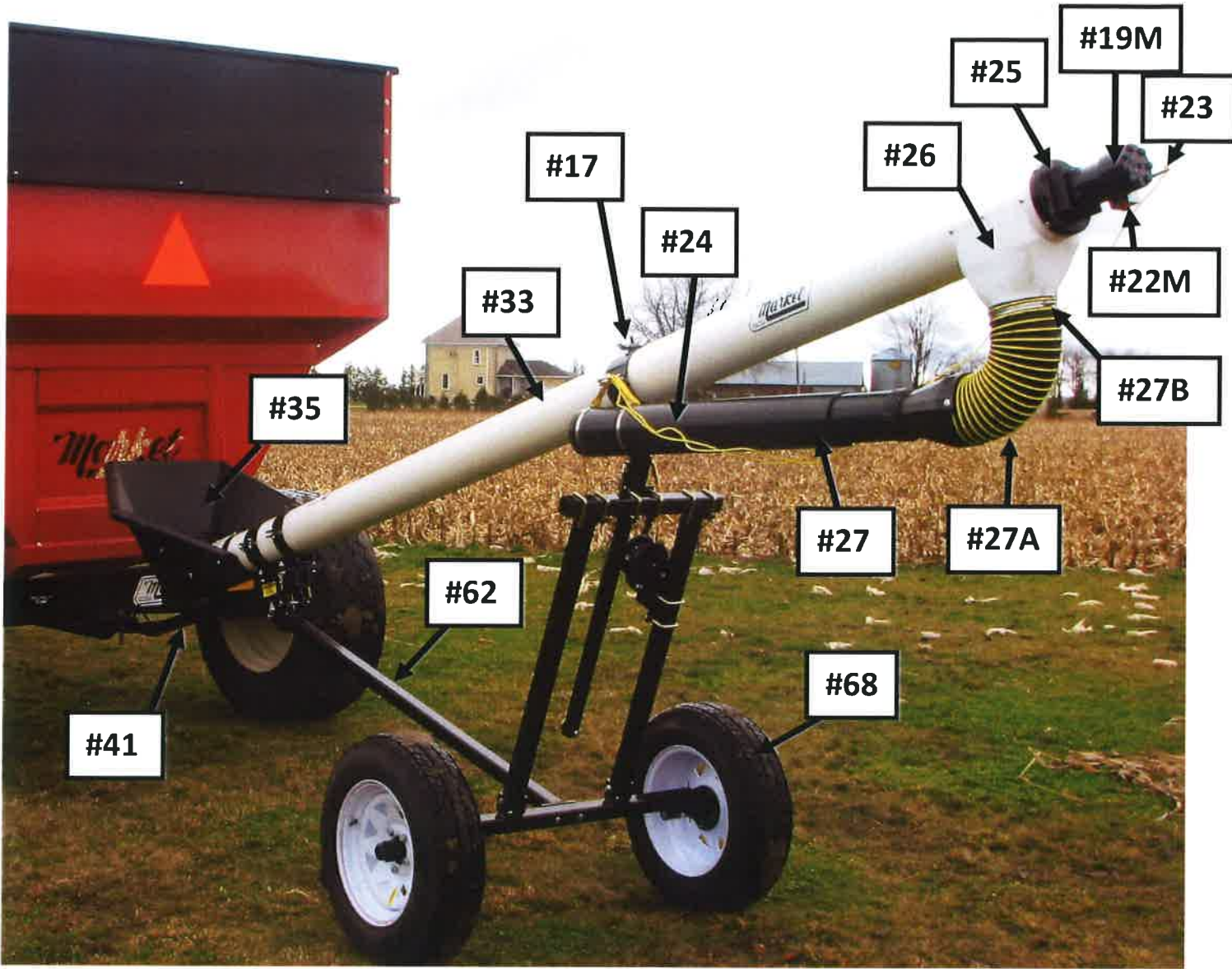
- 1: Start by bolting the tire assemblies (#68) to the hubs (#11). Mount hubs & tires to the axle (#64) using  $\frac{1}{2}$ " x  $2\frac{1}{2}$ " bolts & lock nuts.
- 2: Bolt the main lower frame (#62) to the axle using  $\frac{1}{2}$ " x 3" bolts & lock nuts. The frame should now look like a capital "T"
- 3: Attach the upper frame legs (#65) to the axle using  $\frac{1}{2}$ " x  $3\frac{1}{2}$ " bolts & lock nuts. (Do not tighten)
- 4: Mount the upper frame (#63) to the upright legs using  $\frac{3}{8}$ " u-bolts & lock nuts.
- 5: Square the upright legs and tighten all bolts & u-bolts.
- 6: Bolt height adjuster bracket (#66) to the upper frame using  $\frac{3}{8}$ " u-bolts & lock nuts. Center and tighten.
- 7: Slide the height adjuster (#40) into the receiver and secure it with a  $\frac{1}{2}$ " bent pin (#16).
- 8: Mount the winch bracket (#29) to the upright leg using  $\frac{3}{8}$ " u-bolts & lock nuts. **\*Refer to pictures for proper leg location.**
- 9: Mount winch (#5) to bracket using  $\frac{3}{8}$ " x  $1\frac{1}{4}$ " bolts & lock nuts.
- 10: Secure cable (#28) to the bottom of the height adjuster using a  $\frac{3}{8}$ " x  $2\frac{1}{2}$ " bolt, flat washer, spacer & lock nut.
- 11: Run the cable through the pulley (#7) & attach it to the winch.
- 12: Attach upper (#37) & lower clamp band (#42) assemblies to the auger tube. **\*Refer to pictures for the proper location.**  
  
If using a telescoping downspout, make sure to mount the chain & snap hook (#30) to the upper clamp band.
- 13: Mount auger to the frame kit using  $\frac{1}{2}$ " x  $4\frac{1}{2}$ " bolts & lock nuts.
- 14: Attach hopper to auger. Make sure that the hopper clamp bands (#35A) are on both ends of the hopper stop (#32). Do not over-tighten. Hopper should be able to rotate.
- 15: Removable tongue (#41) is held in by a  $\frac{5}{8}$ " bent pin. **Tighten the ratchet lock before towing.**

### **Use only $\frac{1}{2}$ " NPT hydraulic hose when plumbing**

#### NOTE:

If mounting to a MARKET SINGLE AUGER SEED FILL, the upper clamp band should already be in the right position.

If mounting to a MARKET GRAVITY BOX AUGER, you will have to modify the bottom of the auger & mount the vertical auger hopper assembly. This is done by cutting the auger tube to expose 8" of flighting. Mount the PVC spacer to the bottom of the tube,  $3\frac{1}{2}$ " up from the edge.



#29



#37

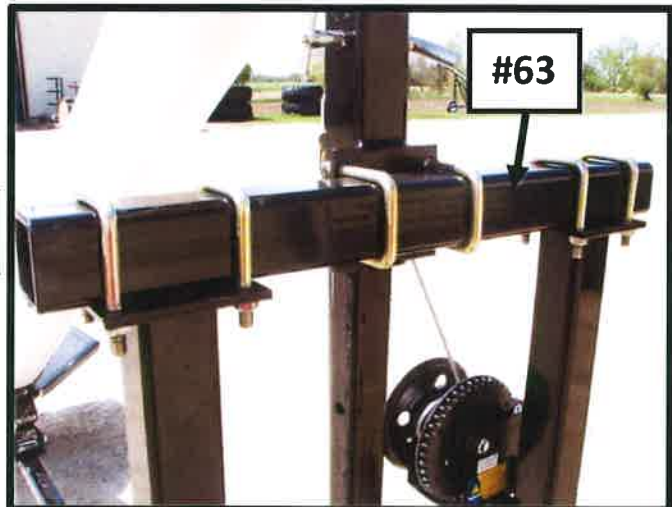
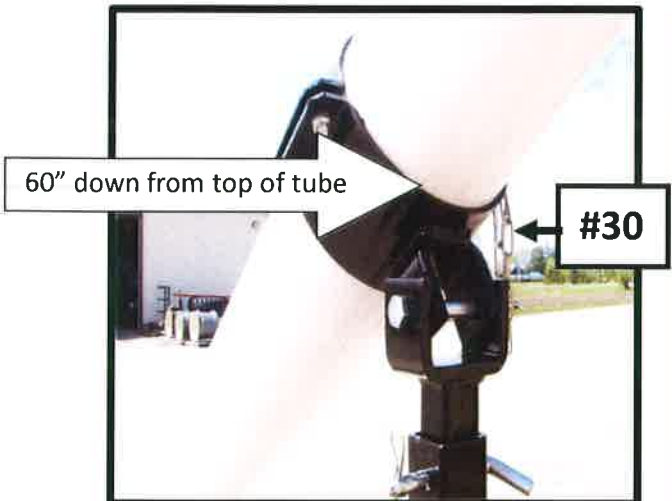
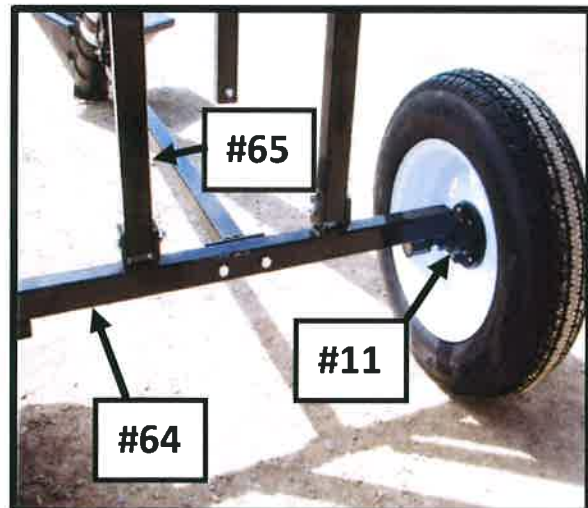
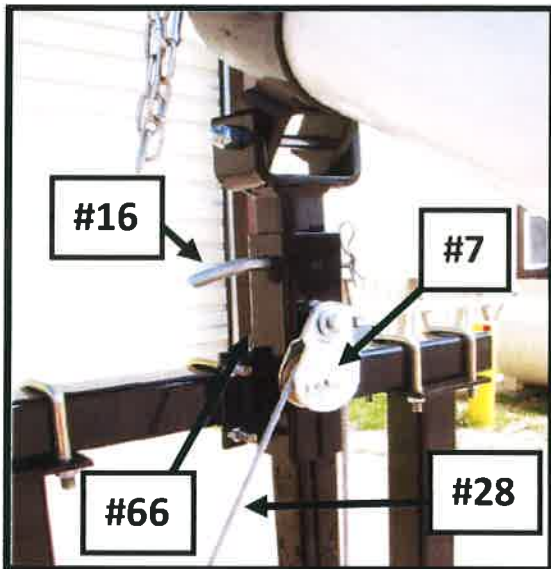
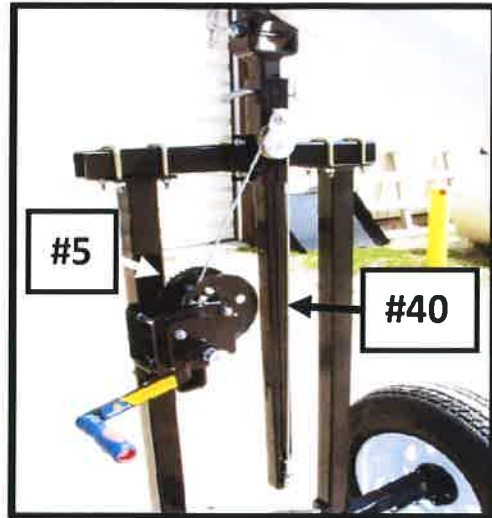
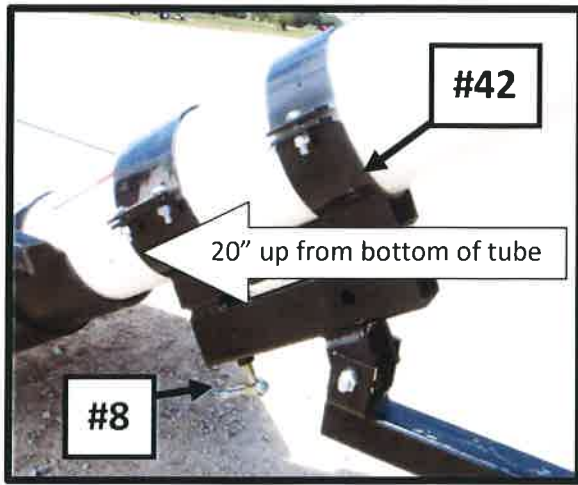


#35A

#32

#35B

# PORTABLE AUGER FRAME KIT



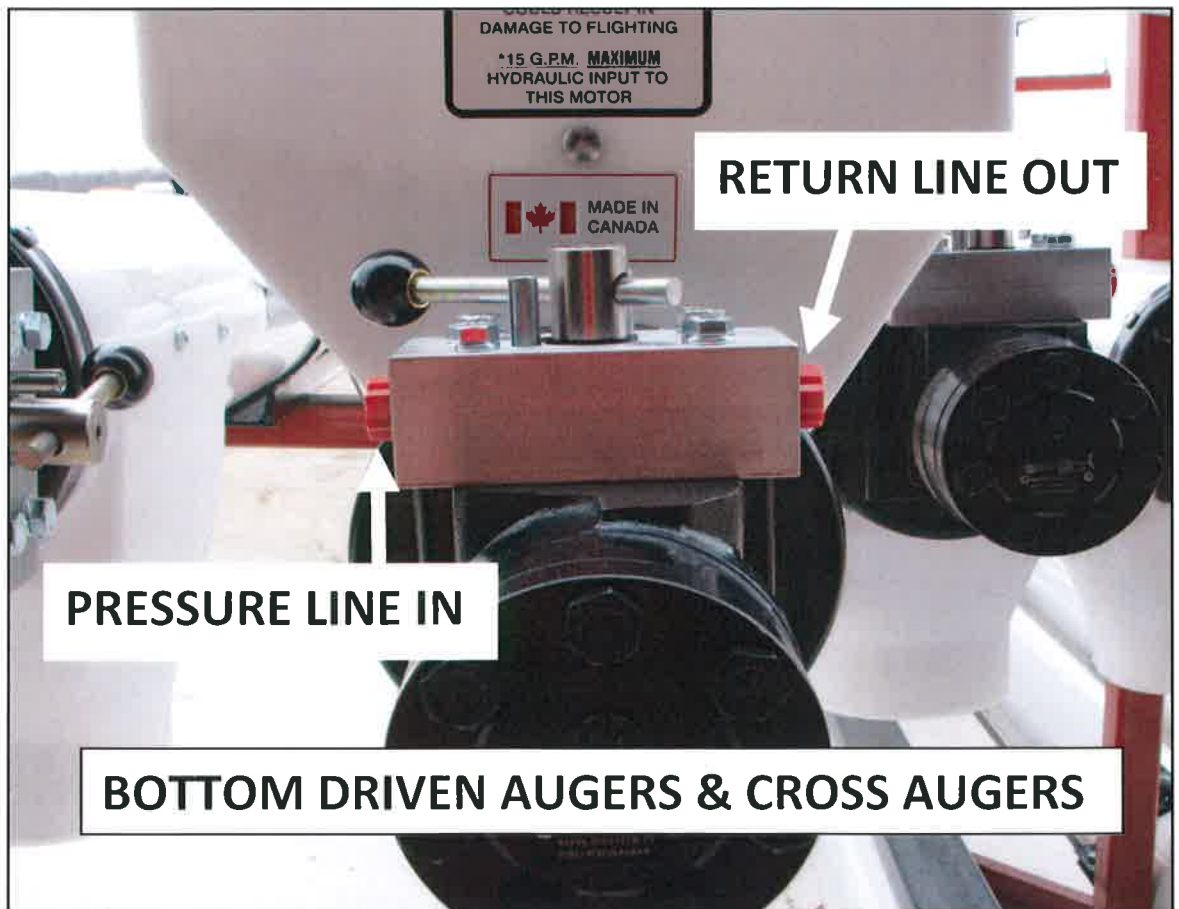
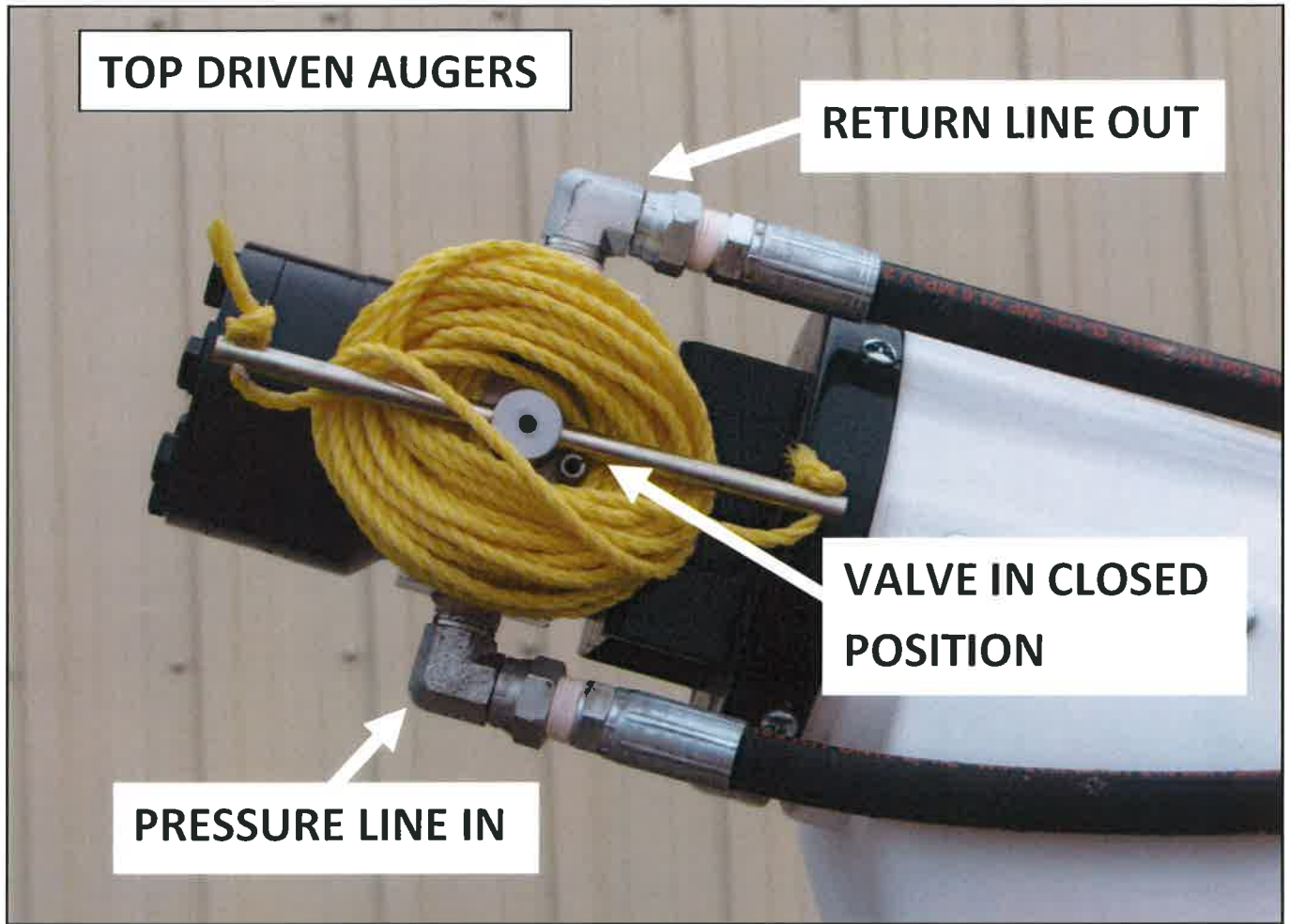


# 6" PORTABLE AUGER PARTS LIST

**REF#                      DESCRIPTION                      (PRODUCT CODE)**

|     |   |
|-----|---|
| 5   | BRAKE WINCH (459)                                       |
| 7   | 2" PULLEY (531)   |
| 8   | LOCK BOLT ASSEMBLY (1175)                               |
| 11  | HUB & SPINDLE ASSEMBLY (990)                            |
| 16  | ½" BENT PIN (1171B)                                     |
| 17  | HYDRAULIC LINE HOLDER (532)                             |
| 19M | 6 CUBIC INCH MANIFOLD MOTOR (395)                       |
| 22M | MANIFOLD MOUNT VALVE (117)                              |
| 23  | H-8 VALVE HANDLE (580)                                  |
| 24  | 3/16" X 22' ROPE (102)                                  |
| 25  | 6" MOTOR PLATE (198)                                    |
| 26  | 6" AUGER SPOUT (613)                                    |
| 27  | 6" 3 STAGE TELESCOPING DOWNSPOUT 5'-10' (612)           |
| 27A | 6" X 18" FLEX HOSE C/W RIVETS & WASHERS (725) BMD (225) |
| 27B | 6" HOSE CLAMP (149)                                     |
| 28  | 3/16" X 8' CABLE (494)                                  |
| 29  | WINCH BRACKET   |
| 30  | CHAIN C/W SNAP (1177)                                   |
| 32  | HOPPER STOP (1203)                                      |
| 33  | 6" PLASTIC PVC TUBE <u>RAW</u> (193)                    |
| 35C | 6" V/A HOPPER (178)                                     |
| 35A | 6" V/A HOPPER CLAMP BAND                                |
| 35B | V/A SAFETY GRILLE (548)                                 |
| 37  | UPPER CLAMP BAND ASSEMBLY                               |
| 39  | 5/8" BENT PIN (100)                                     |
| 40  | HEIGHT ADJUSTER   |
| 41  | TONGUE (255)  |
| 42  | TONGUE RECEIVER ASSEMBLY                                |
| 62  | LOWER FRAME   |
| 63  | UPPER FRAME   |
| 64  | AXLE  |
| 65  | UPPER FRAME LEG   |
| 66  | HEIGHT ADJUSTER MOUNTING BRACKET                        |
| 68  | ST205/75D15 TIRE ASSEMBLY (273B)                        |
|     | NUTS & BOLTS SOLD SEPARATELY                            |

**FLIGHTING STYLES: STRAIGHT BLADE PLASTIC, 5" CUPPED PLASTIC, & CUPPED STEEL (SPECIFY LENGTH & AUGER STYLE)**



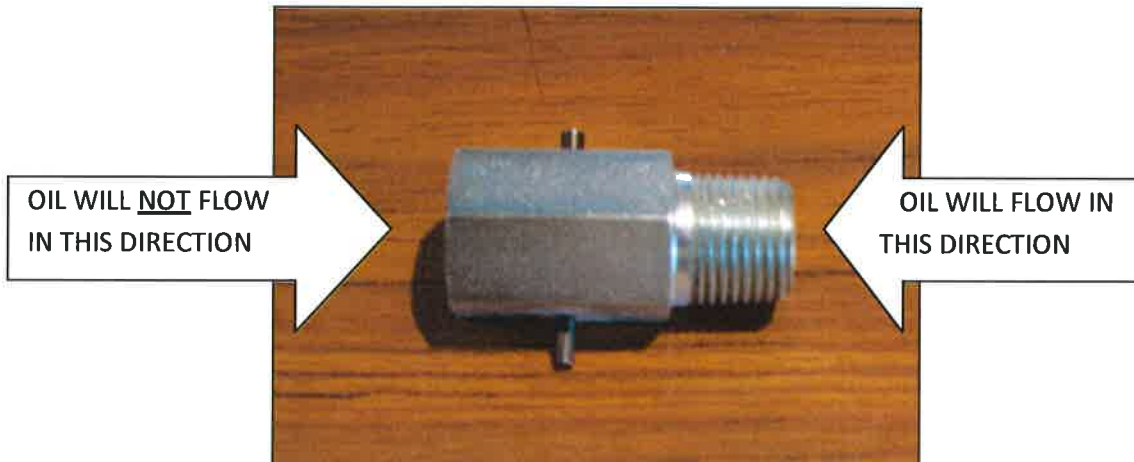
## **\*IMPORTANT OPERATING INSTRUCTIONS\***

- 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**  
**E-Mail [mfeltd@execulink.com](mailto:mfeltd@execulink.com) Web-Site [www.marketfarmequipment.com](http://www.marketfarmequipment.com)**

# 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.

