



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

**8" SINGLE AUGER SEED-FILL  
FOR JD 750/1560/1590 DRILLS**



**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 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

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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**

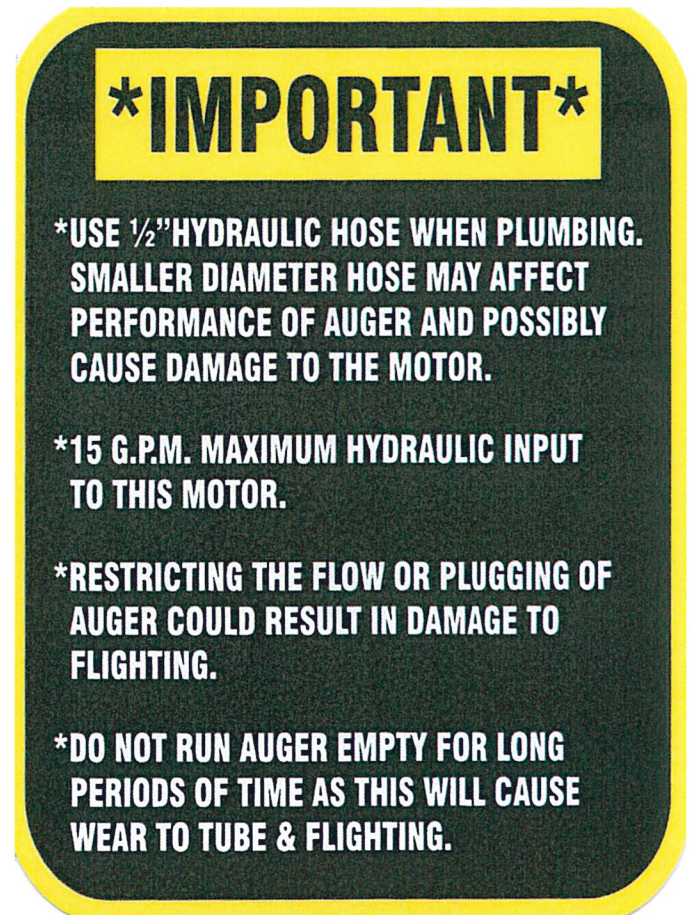
- Before using auger READ and UNDERSTAND SAFETY INSTRUCTIONS.
- After hydraulic lines are connected, run auger empty to ensure the flighting is rotating in the proper direction. (if ran backwards, damage may occur)
- Auger should be empty when moving or transporting.
- Hydraulic oil leaking under pressure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





## **8" SINGLE AUGER SEED-FILL MOUNTING INSTRUCTIONS FOR JOHN DEERE 750/1560/1590**

- 1: Standing behind the drill, find the center of the weigh bar.**
- 2: Remove the 1 ½" bolt, lock washer & bearings from the support post.**
- 3: Mount the support post 30" to the left of the center of the weigh bar as shown in FIG. A (30" is from the inside of the post to the center of the weigh bar)**
- 4: Grease bearings & insert in the swing arm.**
- 5: Install swing arm using the 1 ½" bolt & lock washer as shown in FIG. A**
- 6: Mount transport post 30" to the right of the center of the weigh bar as shown in FIG. B (30" is from the inside of the post to the center of the weigh bar)**
- 7: Attach the horizontal transport bracket to the top of the transport post using the 3" U-bolts, lock washers & nuts as shown in FIG. B**
- 8: Remove the 3" washer from the bottom of the pivot tube (upper clamp band ass. On 15' augers)**
- 9: Insert pivot tube into the swing arm as shown in FIG. C. Re-install 3" washer to secure.**
- 10: Attach telescoping downspout to the discharge spout of the auger using the hose clamp supplied. Make sure that the hose clamp is above the screws before tightening. Secure downspout & control rope with the chain & quick snap located on the auger.**
- 11: Swing auger & lift into transport position. Secure using ratchet strap & lock pin as shown in FIG. D**
- 12: Secure swing arm by tightening the lock bolt.**

## **8" SINGLE AUGER SEED-FILL OPERATING INSTRUCTIONS FOR JOHN DEERE 750/1560/1590**

**Loosen lock bolt, remove lock pin, undo ratchet strap & lift auger out of transport position. Lower to a comfortable position before swinging into working position. Spout should be in the center of the drill and behind the handrail to allow the downspout to move through the center of the seed box.**



To fill, simply move along seed box with telescoping downspout. Filling from outer edges towards the center works the best.

Follow steps 10, 11 & 12 before transporting drill.

## **\*IMPORTANT\***

**\*USE 1/2" HYDRAULIC HOSE WHEN PLUMBING. SMALLER DIAMETER HOSE MAY AFFECT PERFORMANCE OF AUGER AND POSSIBLY CAUSE DAMAGE TO THE MOTOR.**

**\*15 G.P.M. MAXIMUM HYDRAULIC INPUT TO THIS MOTOR.**

**\*RESTRICTING THE FLOW OR PLUGGING OF AUGER COULD RESULT IN DAMAGE TO FLIGHTING.**

**\*DO NOT RUN AUGER EMPTY FOR LONG PERIODS OF TIME AS THIS WILL CAUSE WEAR TO TUBE & FLIGHTING.**

## **\* IMPORTANT \***

**TIGHTEN LOCK  
SECURELY  
BEFORE TRANSPORTING**





**FIG. A**



**FIG. B**





FIG. C



FIG. D

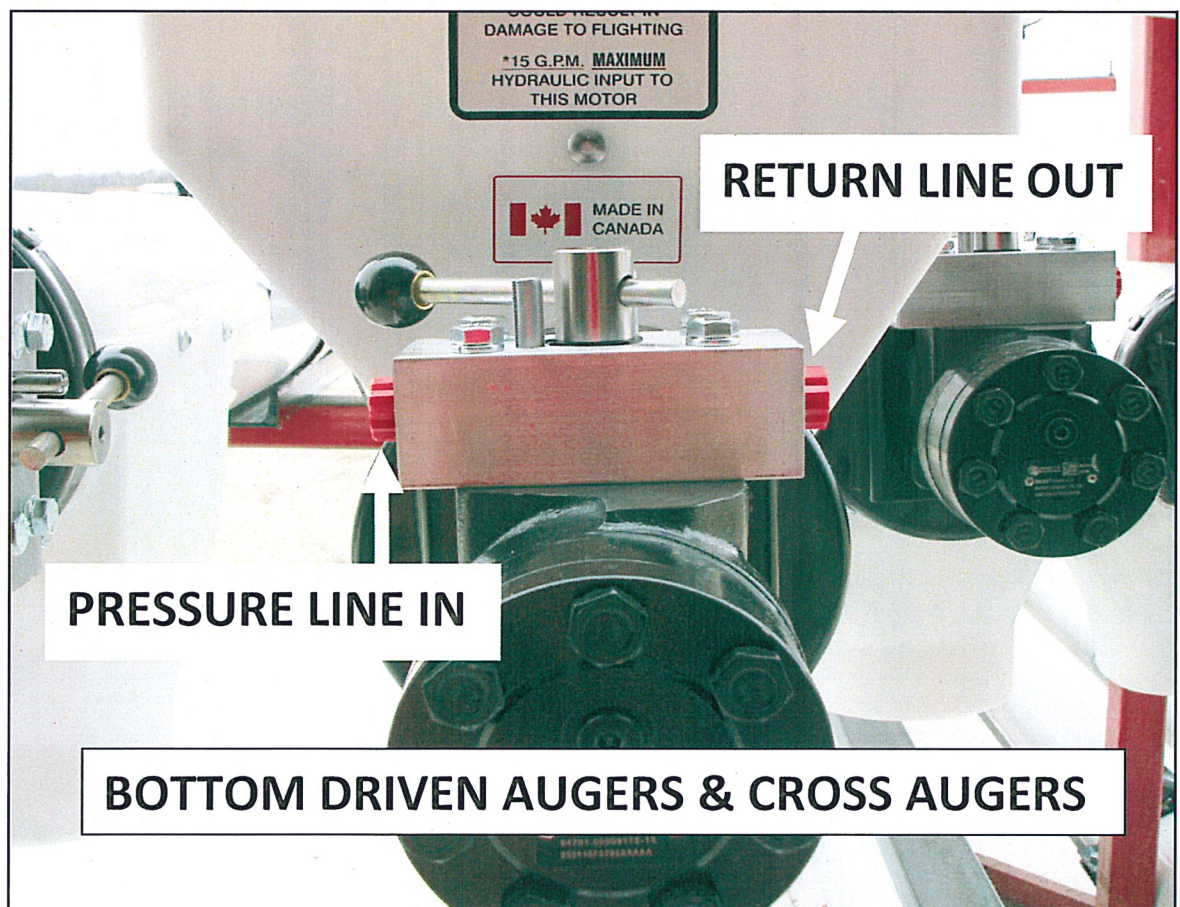


**TOP DRIVEN AUGERS**

**RETURN LINE OUT**

**VALVE IN CLOSED  
POSITION**

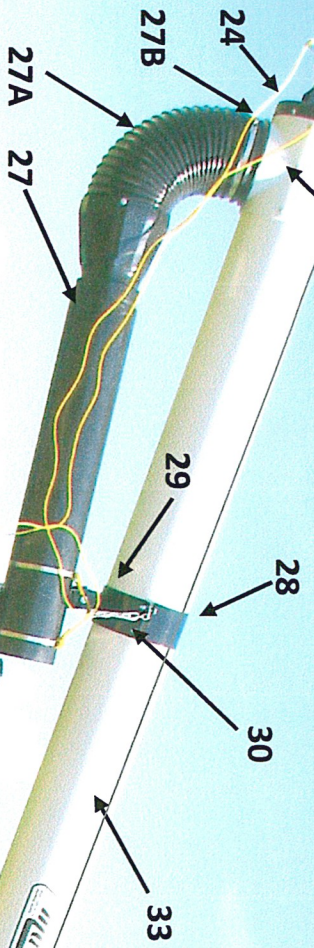
**PRESSURE LINE IN**



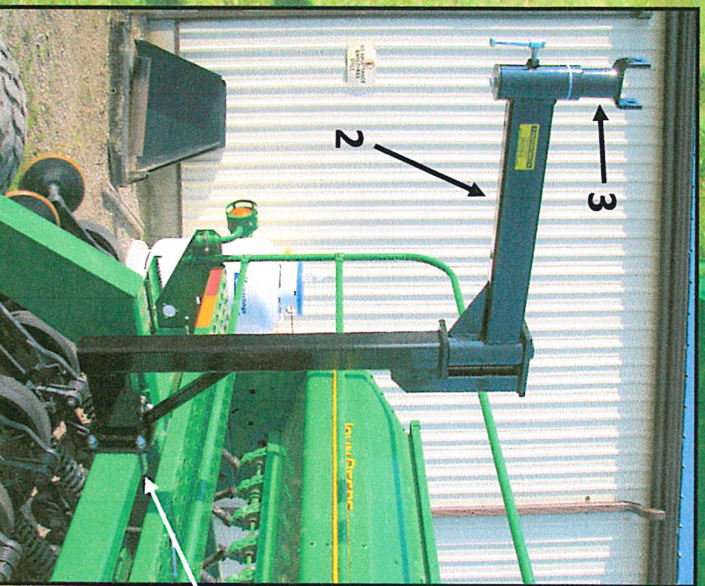
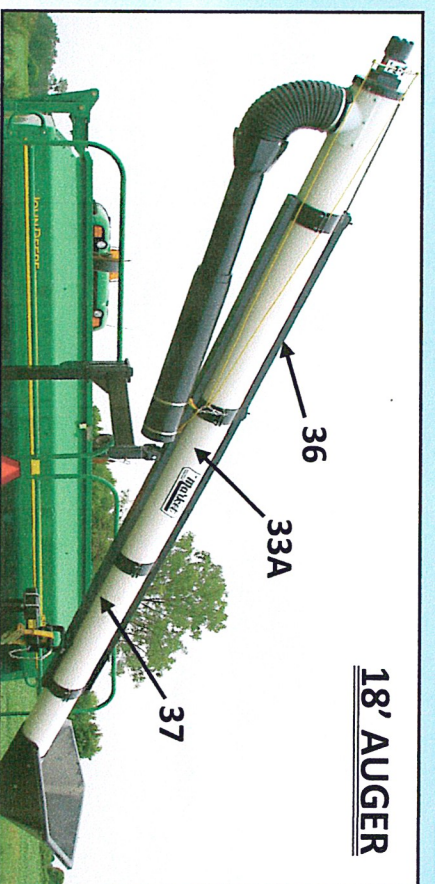


19M 22M 23 25

15' AUGER

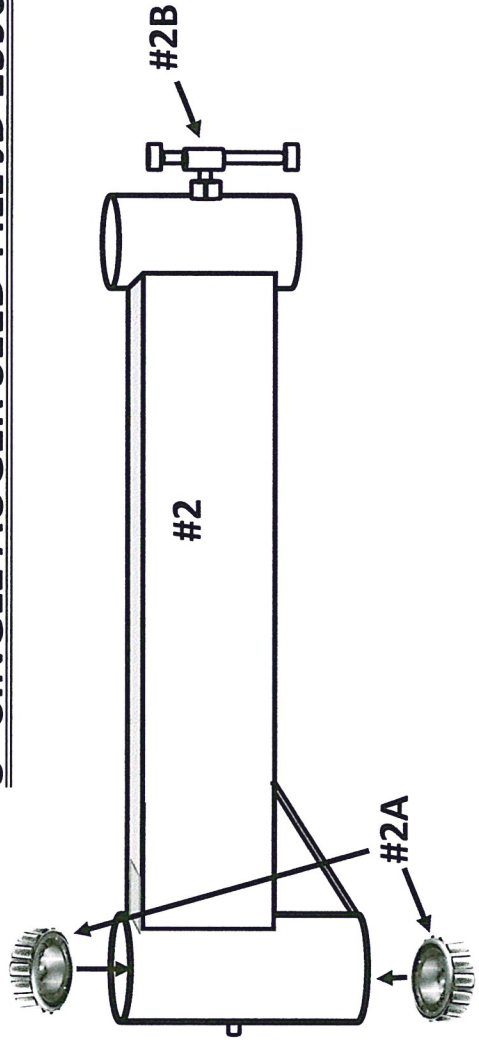


18' AUGER

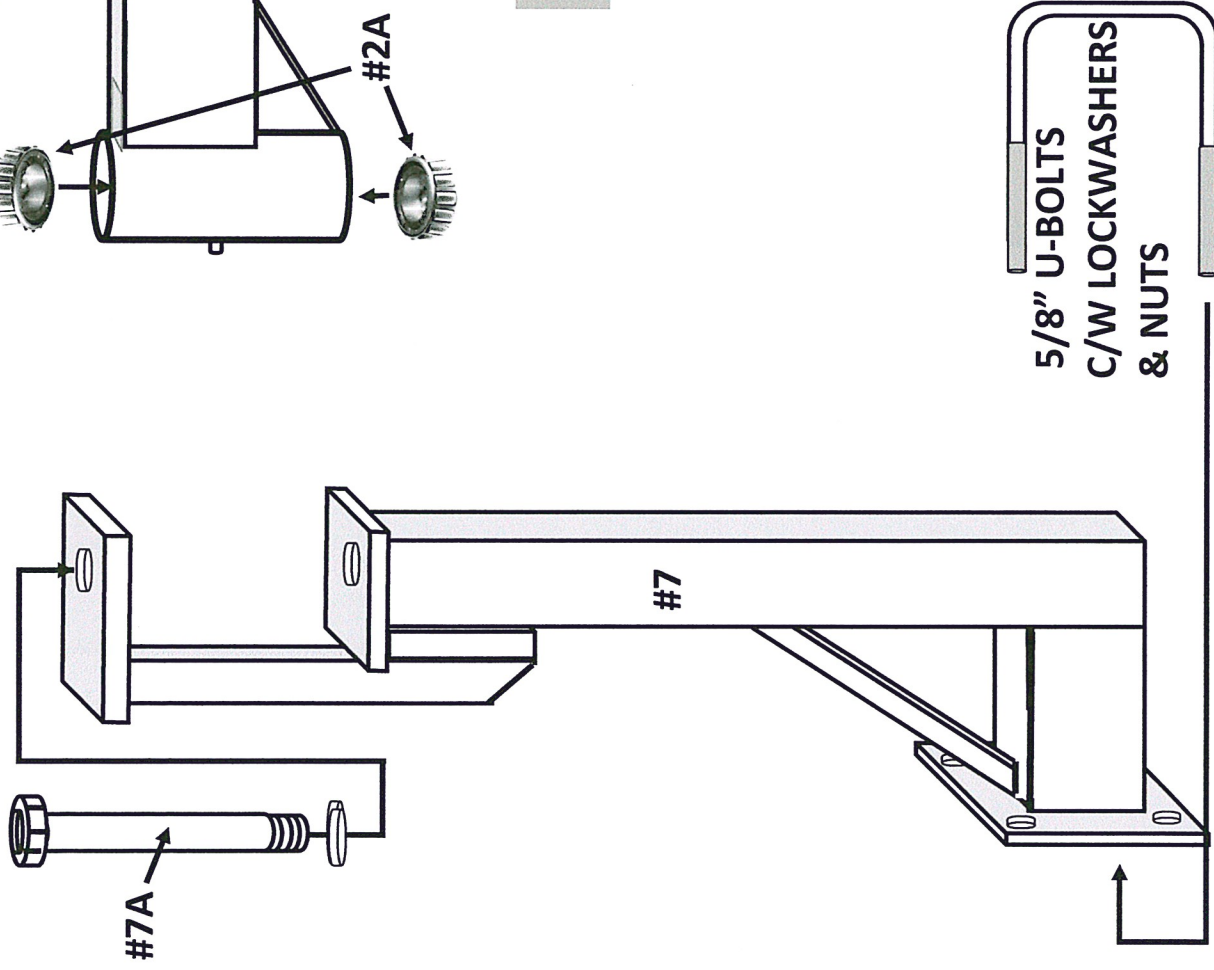




**8" SINGLE AUGER SEED-FILL JD 1590**



**SUPPORT POST & SWING ARM**



5/8" U-BOLTS  
C/W LOCKWASHERS  
& NUTS

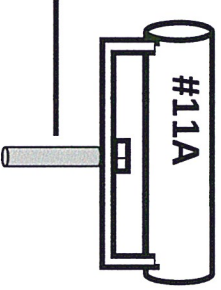
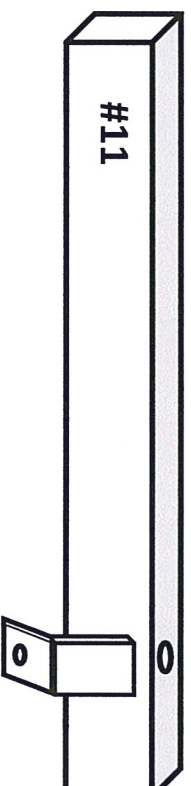
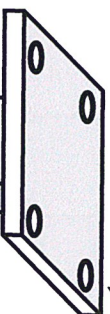
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REQUIRES 2



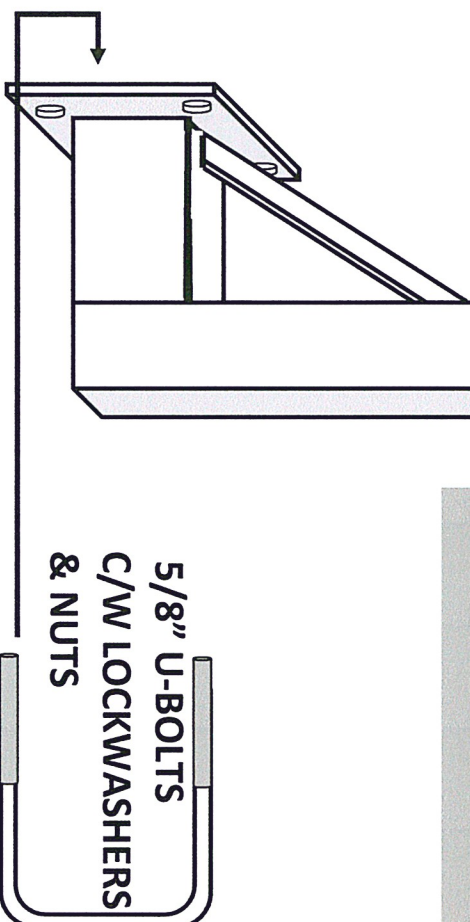
## 8" SINGLE AUGER SEED-FILL JD 1590



½" U-BOLTS C/W  
LOCKWASHERS &  
NUTS (REQUIRES 2)



### TRANSPORT POST & HORIZONTAL TRANSPORT BRACKET



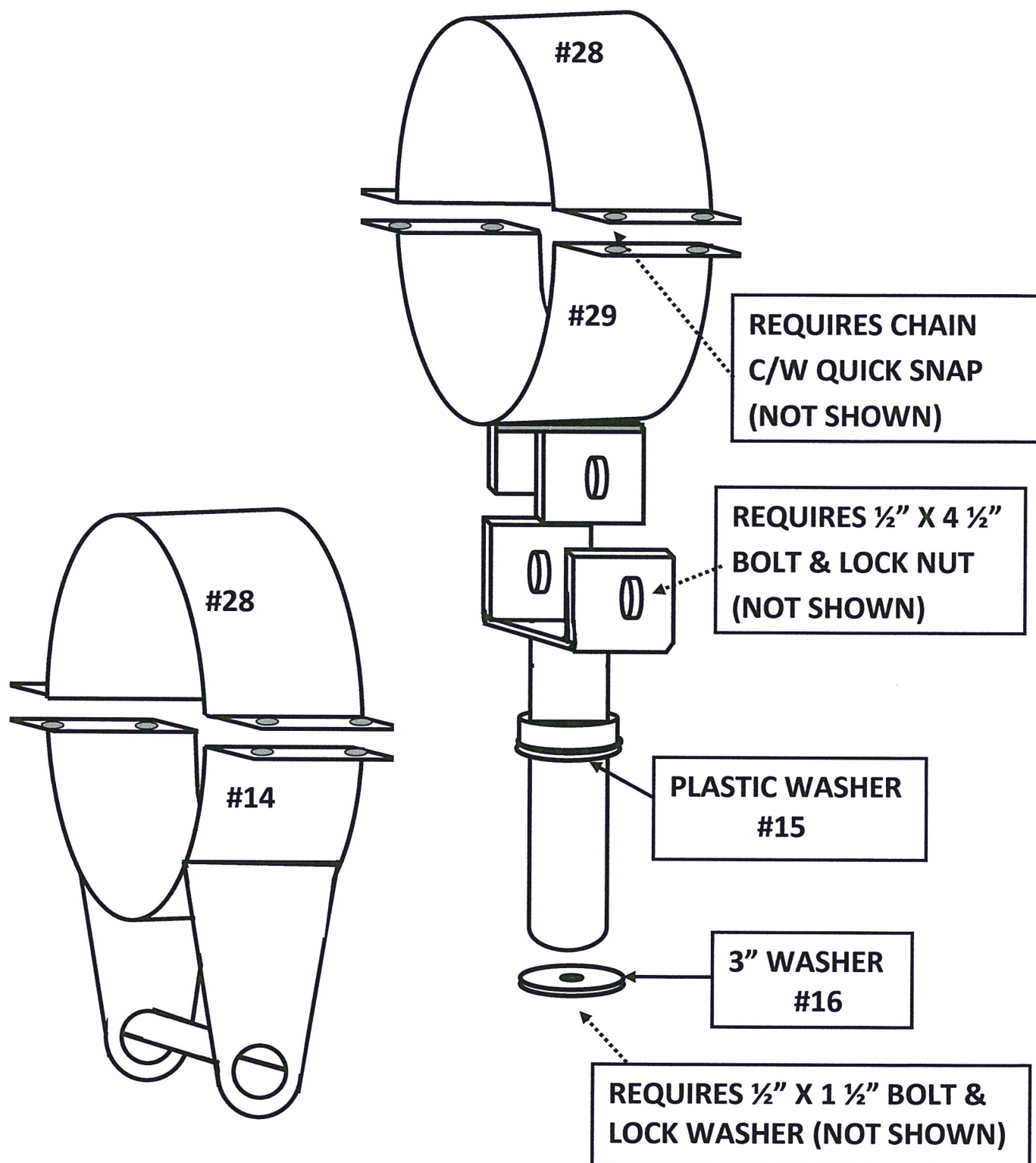
#46

REQUIRES 2

**\*\*NOT SHOWN  
RATCHET & STRAP  
LOCK PIN & CHAIN**



## 8" x 15' SINGLE AUGER SEED-FILL CLAMP BANDS





## 8" SINGLE AUGER SEED-FILL PARTS LIST

REF #	PRO CD	DESCRIPTION
2	()	SWING ARM
2A		BEARING
2B		RATCHET LOCK BOLT
3	()	PIVOT TUBE
7	()	SUPPORT POST
7A		1 ½" BOLT C/W LOCK WASHER
10	()	TRANSPORT POST
11	()	HORIZONTAL TRANSPORT BRACKET
11A	()	LOCK PIN RECEIVER
12	()	RATCHET
12A		2" STRAP
13	()	LOCK PIN C/W CHAIN
14		TRANSPORT SADDLE
15		PLASTIC WASHER
16		3" STEEL WASHER
19M	(395)	6 CUBIC INCH MOTOR (MANIFOLD MOUNT)
22M	(117)	VALVE (MANIFOLD MOUNT)
23		VALVE HANDLE
24		12' CONTROL ROPE
25	()	8" MOTOR PLATE
26		8" SPOUT C/W SCREWS
27	()	8" 3-STAGE TELESCOPING DOWNSPOUT (5' TO 10')
27A		8" X 18" FLEX HOSE C/W RIVETS & WASHERS
27B		8" HOSE CLAMP
28		8" HALF CLAMP BAND



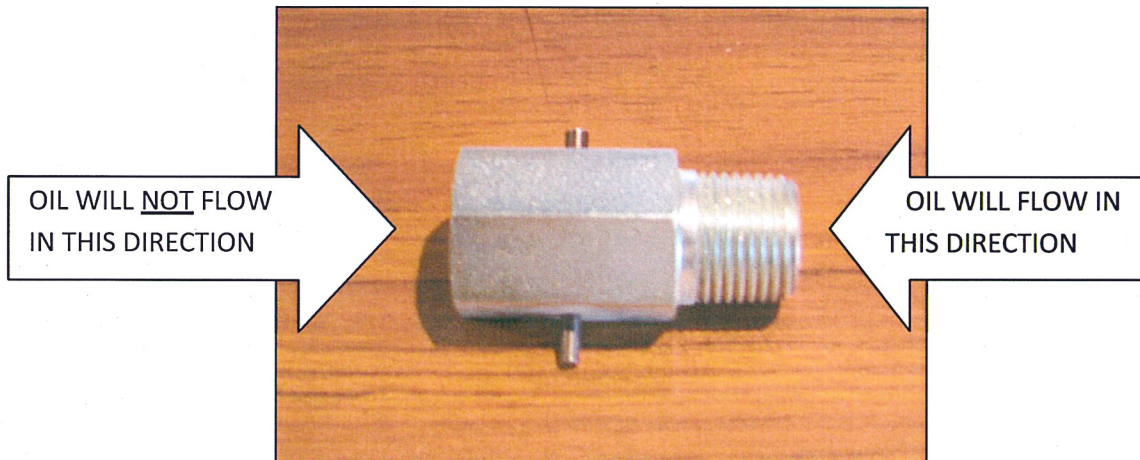
<b>29</b>		<b>PIVOT HALF CLAMP BAND</b>
<b>30</b>		<b>CHAIN C/W QUICK SNAP</b>
<b>33</b>	<b>()</b>	<b>8" X 15' REPLACEMENT TUBE (LESS #26)</b>
<b>33A</b>	<b>()</b>	<b>8" X 18' REPLACEMENT TUBE (LESS #26)</b>
<b>34</b>		<b>8" X 15' BRISTLE FLIGHTING</b>
<b>34A</b>		<b>7" X 15' CUPPED PLASTIC FLIGHTING</b>
<b>34C</b>		<b>8" X 18' BRISTLE FLIGHTING</b>
<b>34D</b>		<b>7" X 18' CUPPED PLASTIC FLIGHTING</b>
<b>35</b>	<b>()</b>	<b>8" V/A HOPPER</b>
<b>35A</b>	<b>()</b>	<b>8" V/A HOPPER CLAMP BAND</b>
<b>35B</b>	<b>()</b>	<b>SAFETY GRILLE</b>
<b>36</b>	<b>()</b>	<b>UPPER CHANNEL (18' AUGER)</b>
<b>37</b>	<b>()</b>	<b>LOWER CHANNEL (18' AUGER)</b>
<b>45</b>		<b>3" U-BOLT C/W LOCK WASHERS &amp; NUTS</b>
<b>46</b>		<b>6" U-BOLT C/W LOCK WASHERS &amp; NUTS</b>



## OPTIONAL VALVES FOR HYDRAULIC AUGERS

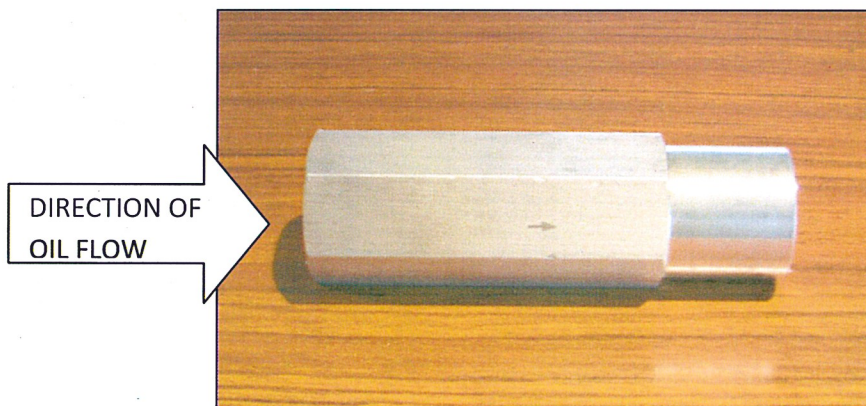
**Note:** These optional valves do not replace the shut-off valve on the auger.

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 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.

