



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

## 20' & 25' PLASTIC TRANSPORT AUGER



MARKET FARM EQUIPMENT LIMITED, R.R. 1, DASHWOOD, ONTARIO N0M 1N0 (519-238-2301)

[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: mfeldt@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**

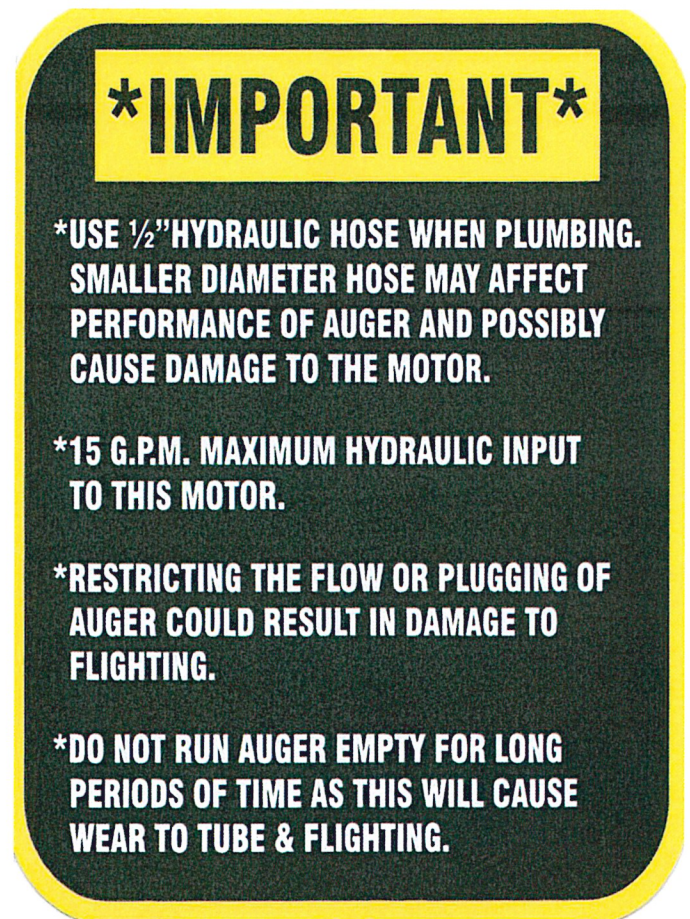
- Before using auger READ and UNDERSTAND SAFETY INSTRUCTIONS.
- After hydraulic lines are connected, run auger empty to ensure the flighting is rotating in the proper direction. (if ran backwards, damage may occur)
- Auger should be empty when moving or transporting.
- Hydraulic oil leaking under pressure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



## **TRANSPORT AUGER ASSEMBLY INSTRUCTIONS**

- 1: Assemble lower frame and tires as per diagram.
- 2: Assemble upper frame as per diagram.
- 3: Slide height adjuster into square tube at top of the upper frame assembly.
- 4: Bolt winch in place as per diagram.
- 5: See cable diagram for installation of cable.
- 6: Attach cable to winch with cable keeper.  
NOTE: Instruction sheet for winch and cable are in the winch box.
- 7: Lay the upper frame on top of the lower frame so that the holes in the tabs are inline. Attach using two ½"x 2" bolts and lock nuts supplied.
- 8: Flip the upper frame over so that the complete frame is spread out on the floor.
- 9: Using a tractor or chainfall, lay the auger assembly on the frame so that the U-bracket closest to the hopper end of the auger is aligned with the U-bracket on the frame. Attach using 9/16"x 4½" bolt and lock nut supplied.
- 10: Using a tractor or chainfall, raise the motor end of the auger as well as the upper frame assembly until the two U-brackets are aligned. Attach using 9/16"x 4½" bolt and lock nut supplied.
- 11: Slide detachable tongue/hitch into the 2½" square tube receiver on the bottom of the support channel. Attach with 5/8" bent pin and clip. Tighten the ratchet lock bolt securely.
- 12: Install hopper and telescoping downspout.
- 13: **Use only ½" hydraulic hose when plumbing.** Hose requires 90 degree fittings with ½" NPT to attach to the valve.
- 14: Do not move auger around by downspout as it may cause stress on the flexible piece.

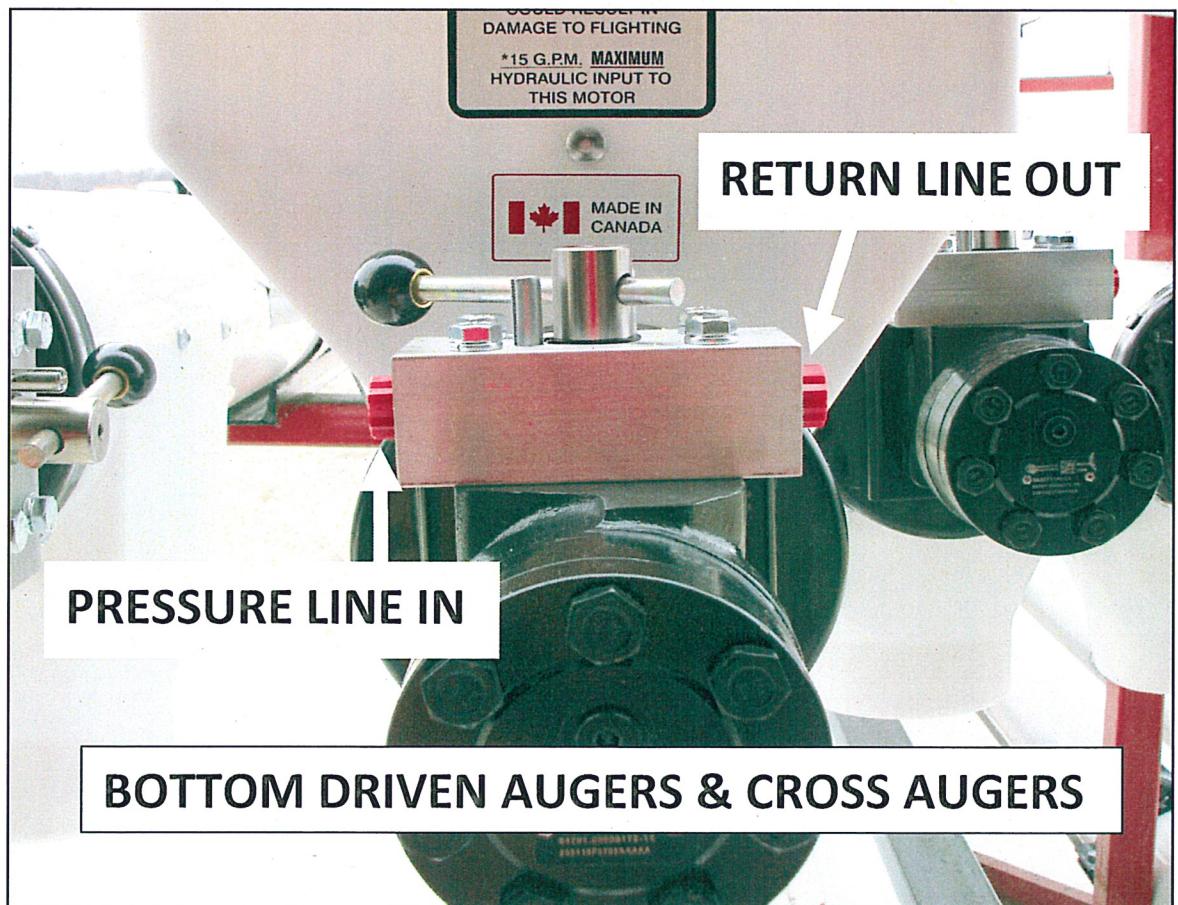


**TOP DRIVEN AUGERS**

**RETURN LINE OUT**

**VALVE IN CLOSED  
POSTION**

**PRESSURE LINE IN**



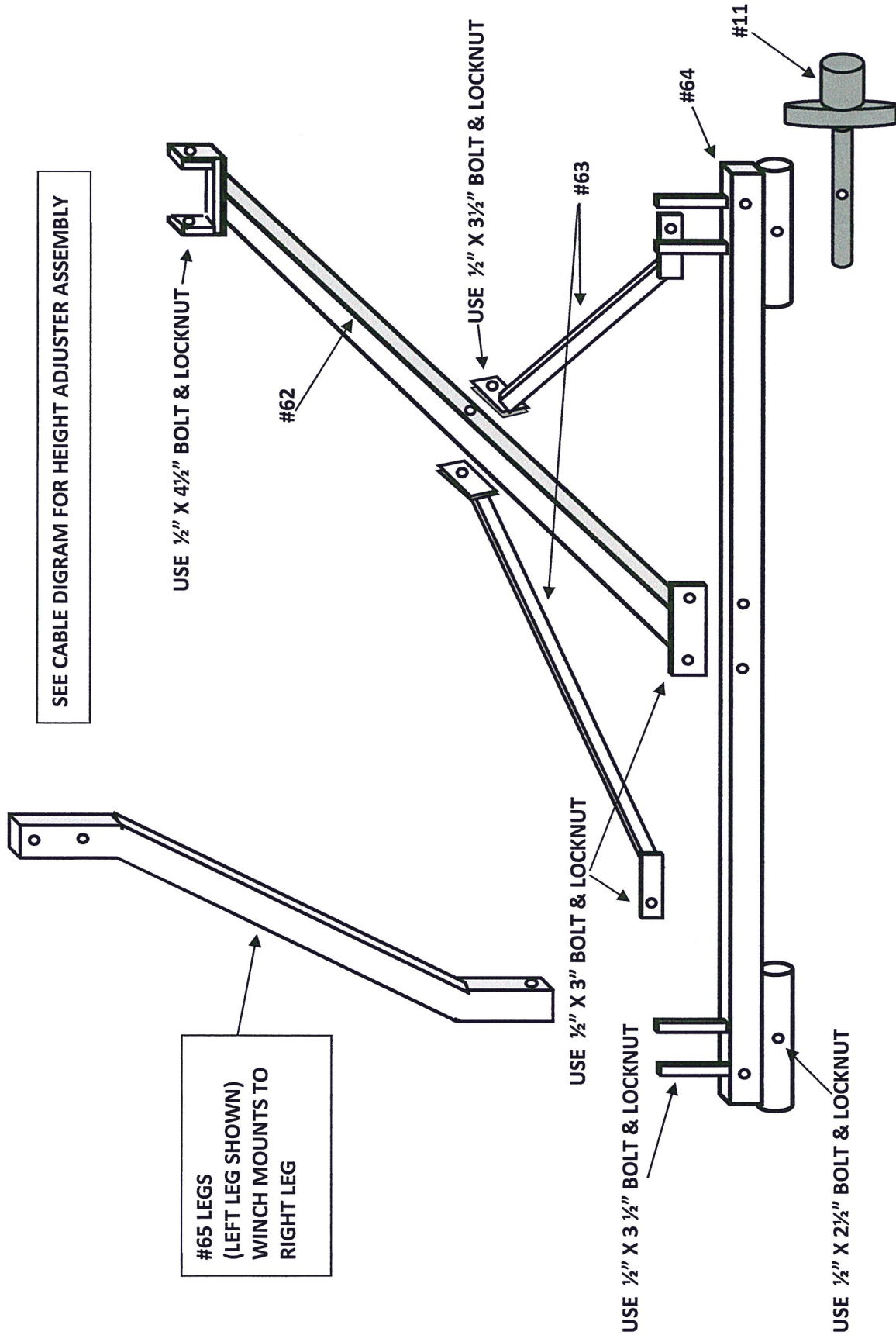
**RETURN LINE OUT**

**PRESSURE LINE IN**

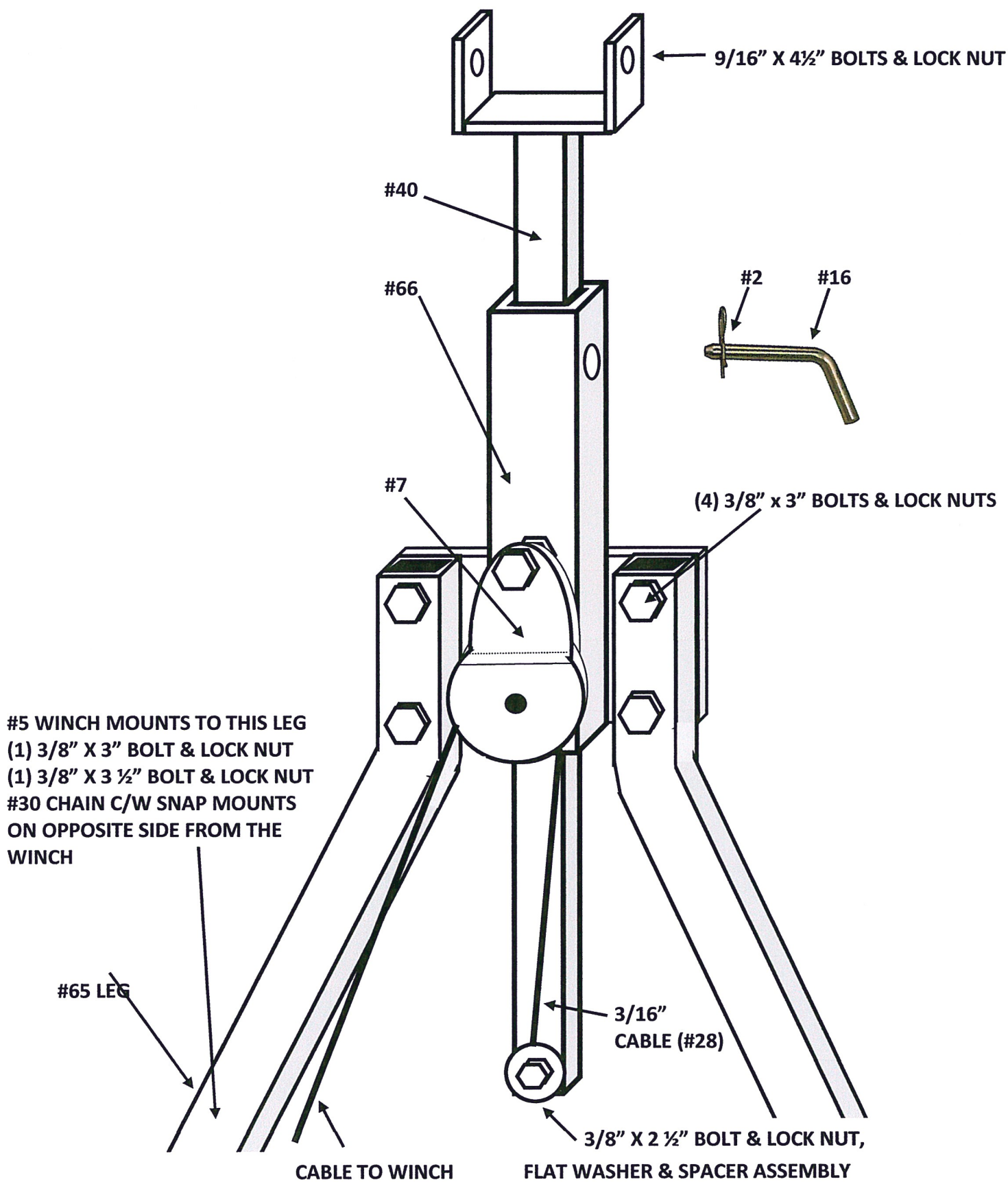
**BOTTOM DRIVEN AUGERS & CROSS AUGERS**



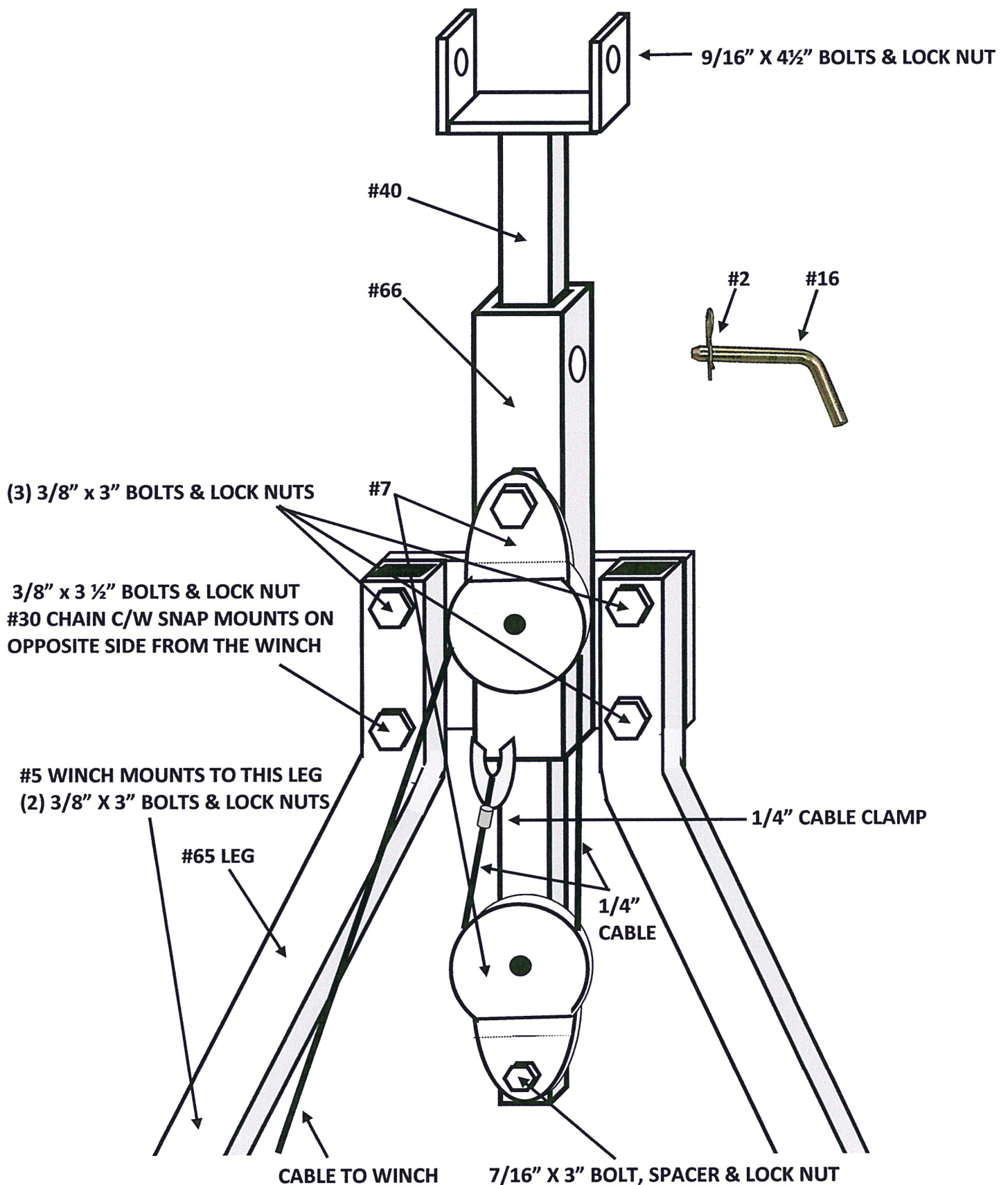
# TRANSPORT AUGER FRAME ASSEMBLY



# CABLE DIAGRAM FOR 20' TRANSPORT AUGER



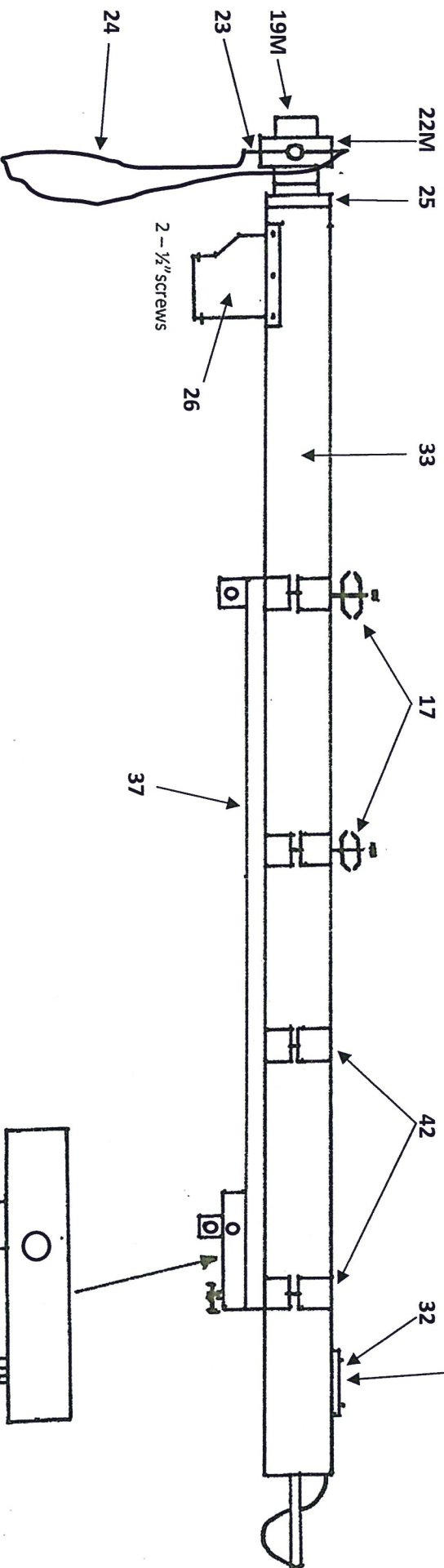
# CABLE DIAGRAM FOR 25' TRANSPORT AUGER



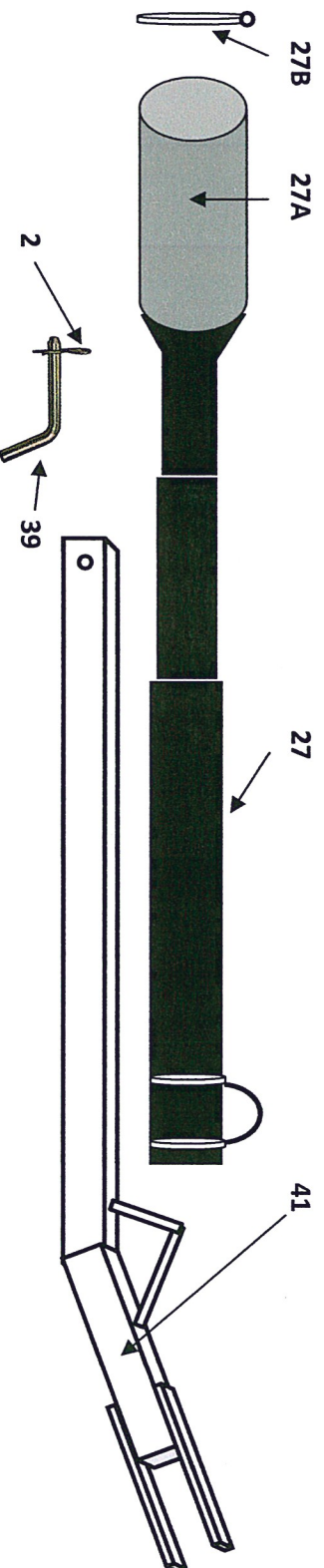


# **6" X 20' TRANSPORT AUGER**

STOP - FOR 6" V/A HOPPERS



TUBE LENGTH 229 1/2"  
FLIGHTING LENGTH 239 1/2"



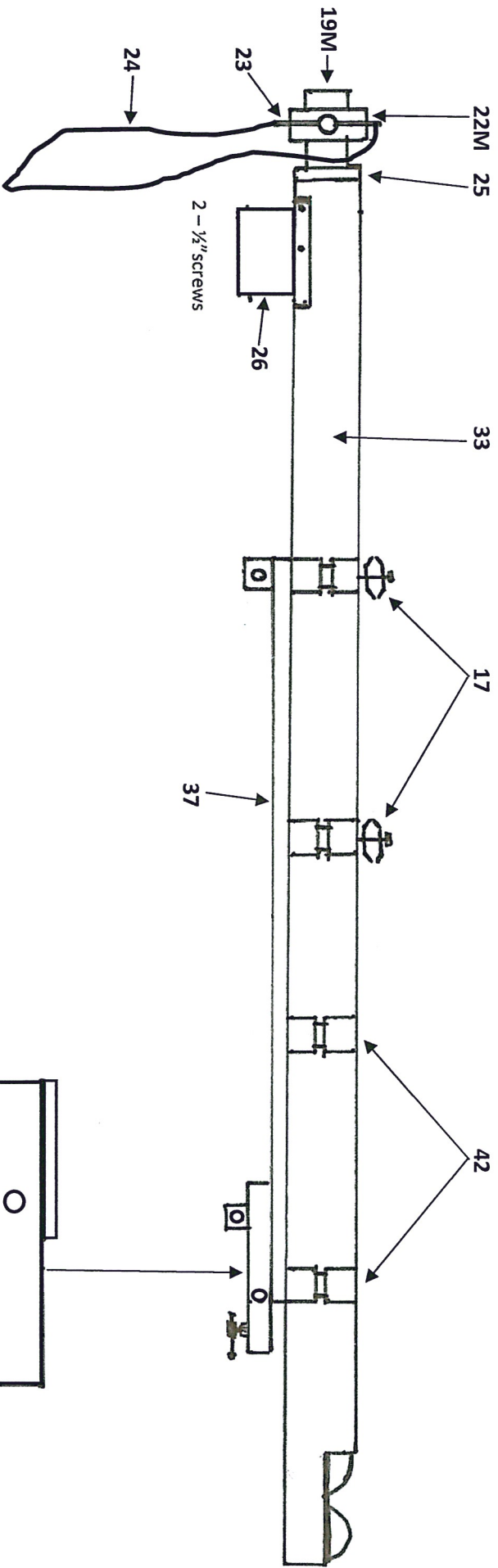
# 6"X 20' TRANSPORT AUGER PARTS LIST

**REF#      DESCRIPTION      (PRODUCT CODE)**

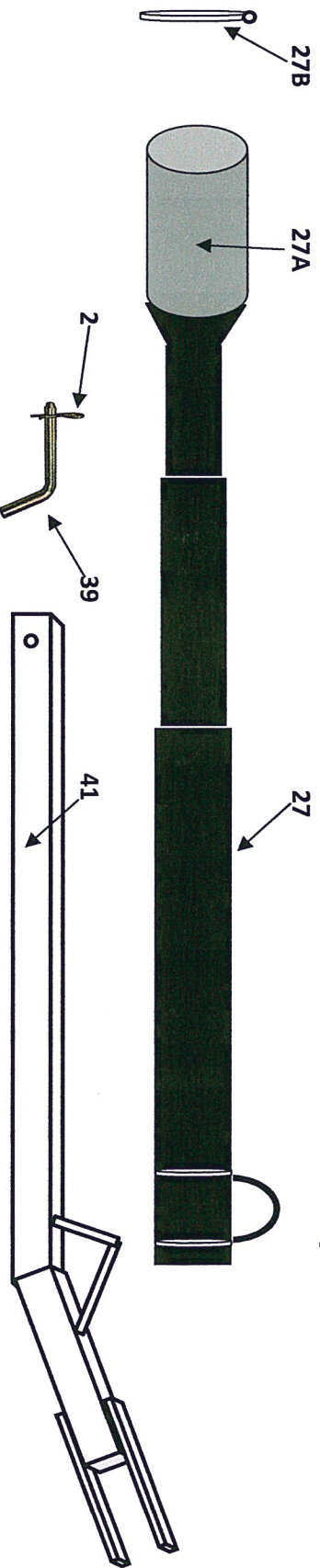
2	HAIR PIN (586)	
5	BRAKE WINCH (459)	
7	2" PULLEY (531)	
8	LOCK BOLT ASSEMBLY (1175)	
11	HUB & SPINDLE ASSEMBLY (990)	
16	½" BENT PIN (1171B)	
17	HYDRAULIC LINE HOLDER (532)	
19M	6 CUBIC INCH MANIFOLD MOTOR (395)	
22M	MANIFOLD MOUNT VALVE (117)	
23	H-8 VALVE HANDLE (580)	
24	3/16" X 22' ROPE (102)	
25	6" MOTOR PLATE (198)	
26	6" AUGER SPOUT (613)	
27	6" 3 STAGE TELESCOPING DOWNSPOUT 7'-17' (461)	
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)	
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)	NOT SHOWN
35A	6" V/A HOPPER CLAMP BAND (549)	NOT SHOWN
35B	V/A SAFETY GRILLE (548)	NOT SHOWN
37	SUPPORT CHANNEL (1371)	
39	5/8" BENT PIN (100)	
40	HEIGHT ADJUSTER (175)	
41	TONGUE (255)	
42	6" ½ CLAMP BAND (181)	
62	LOWER FRAME (1372)	
63	AXLE BRACE (1568)	
64	AXLE (1567)	
65	UPPER FRAME LEG (1178)	
66	HEIGHT ADJUSTER MOUNTING BRACKET (1569)	
68	ST205/75D15 TIRE ASSEMBLY (273B)	NOT SHOWN
	NUTS & BOLTS SOLD SEPERATELY	

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

# **8"x 20' TRANSPORT AUGER**



**TUBE LENGTH 238 1/2"**  
**FLIGHTING LENGTH 239 1/2"**





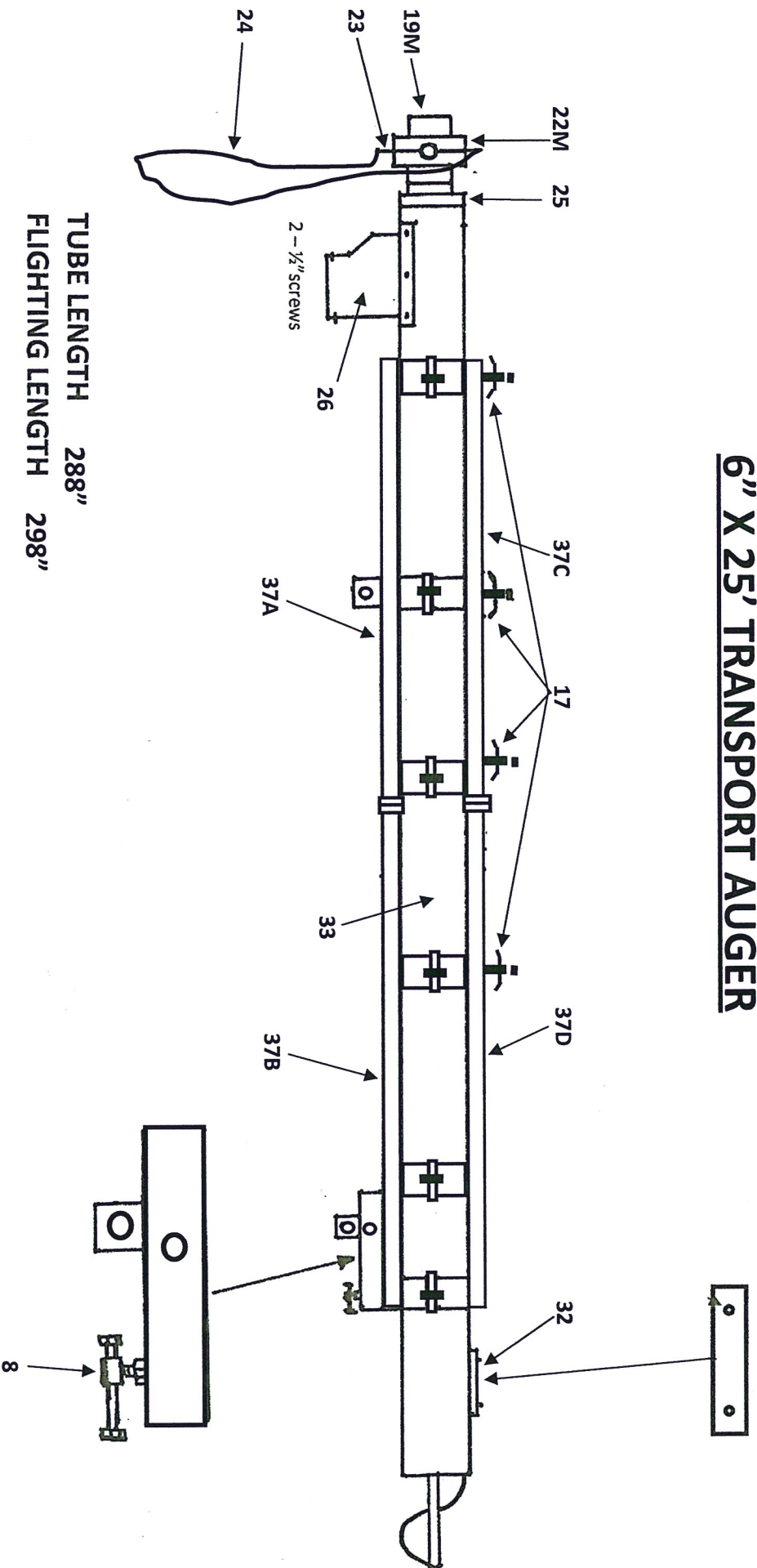
# 8"X 20' TRANSPORT AUGER PARTS LIST

<u>REF#</u>	<u>DESCRIPTION</u>	<u>(PRODUCT CODE)</u>
2	HAIR PIN (586)	
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	10 CUBIC INCH MANIFOLD MOTOR (173)	
22M	MANIFOLD MOUNT VALVE (117)	
23	H-8 VALVE HANDLE (580)	
24	3/16" X 22' ROPE (102)	
25	8" MOTOR PLATE (1014)	
26	8" AUGER SPOUT (928)	
27	8" 3 STAGE TELESCOPING DOWNSPOUT 7'-17' (1283)	
27A	8" X 18" FLEX HOSE C/W RIVETS & WASHERS (1130) BMD (1546)	
27B	8" HOSE CLAMP (779)	
28	3/16" X 8' CABLE (494)	
30	CHAIN C/W SNAP (1177)	
33	8" PLASTIC PVC TUBE <u>RAW</u> (528)	
35C	8" V/A HOPPER (918)	NOT SHOWN
35A	8" V/A HOPPER CLAMP BAND (1167)	NOT SHOWN
35B	V/A SAFETY GRILLE (548)	NOT SHOWN
37	SUPPORT CHANNEL (1376)	
39	5/8" BENT PIN (100)	
40	HEIGHT ADJUSTER (175)	
41	TONGUE (255)	
42	8" ½ CLAMP BAND (522)	
62	LOWER FRAME (1372)	
63	AXLE BRACE (1568)	
64	AXLE (1567)	
65	UPPER FRAME LEG (1178)	
66	HEIGHT ADJUSTER MOUNTING BRACKET (1569)	
68	ST205/75D15 TIRE ASSEMBLY (273B)	NOT SHOWN
NUTS & BOLTS SOLD SEPERATELY		

FLIGHTING STYLES: STRAIGHT BLADE PLASTIC, 7" CUPPED PLASTIC, BRISTLE & CUPPED STEEL (SPECIFY LENGTH & AUGER STYLE)

# **6" X 25' TRANSPORT AUGER**

STOP - FOR 6" V/A HOPPERS



TUBE LENGTH 288"  
FLIGHTING LENGTH 298"

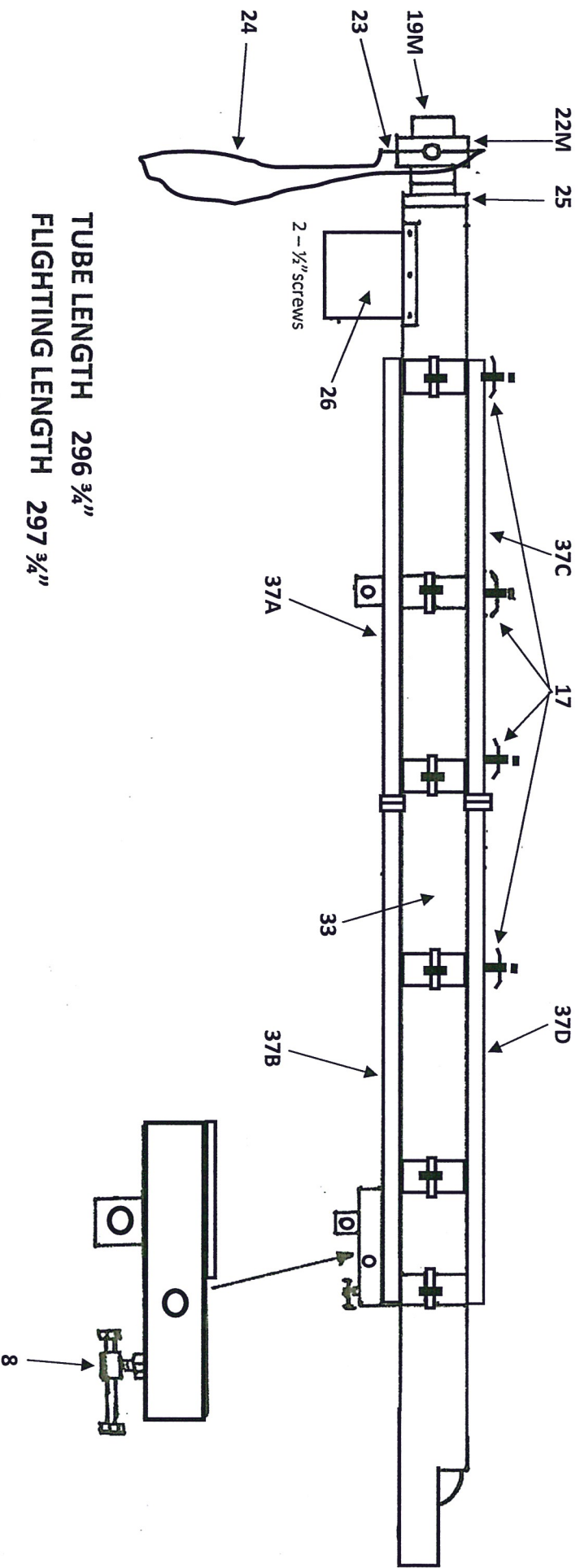
# 6"X 25' TRANSPORT AUGER PARTS LIST

<u>REF#</u>	<u>DESCRIPTION</u>	<u>(PRODUCT CODE)</u>
2	HAIR PIN (586)	
5	BRAKE WINCH (459)	
7	2½" PULLEY (376)	
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 7'-17' (461)	
27A	6" X 18" FLEX HOSE C/W RIVETS & WASHERS (725) BMD (225)	
27B	6" HOSE CLAMP (149)	
28	1/4" X 14' CABLE (1561)	
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)	NOT SHOWN
35A	6" V/A HOPPER CLAMP BAND (549)	NOT SHOWN
35B	V/A SAFETY GRILLE (548)	NOT SHOWN
37A	SUPPORT CHANNEL BOTTOM	37A, 37B, 37C & 37D MAKE UP THE COMPLETE SUPPORT CHANNEL ASSEMBLY (1373)
37B	SUPPORT CHANNEL BOTTOM C/W TONGUE RECEIVER	
37C	SUPPORT CHANNEL TOP C/W 2 LINER HOLDERS	
37D	SUPPORT CHANNEL TOP C/W 1 LINE HOLDER	
39	5/8" BENT PIN (100)	
40	HEIGHT ADJUSTER (1374)	
41	TONGUE (255)	
62	LOWER FRAME (707)	
63	AXLE BRACE (1568)	
64	AXLE (1570)	
65	UPPER FRAME LEG (1178)	
66	HEIGHT ADJUSTER MOUNTING BRACKET (1571)	
68	ST205/75D15 TIRE ASSEMBLY (273B)	NOT SHOWN
	NUTS & BOLTS SOLD SEPERATELY	

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



# 8" X 25' TRANSPORT AUGER



# 8"X 25' TRANSPORT AUGER PARTS LIST

**REF#      DESCRIPTION      (PRODUCT CODE)**

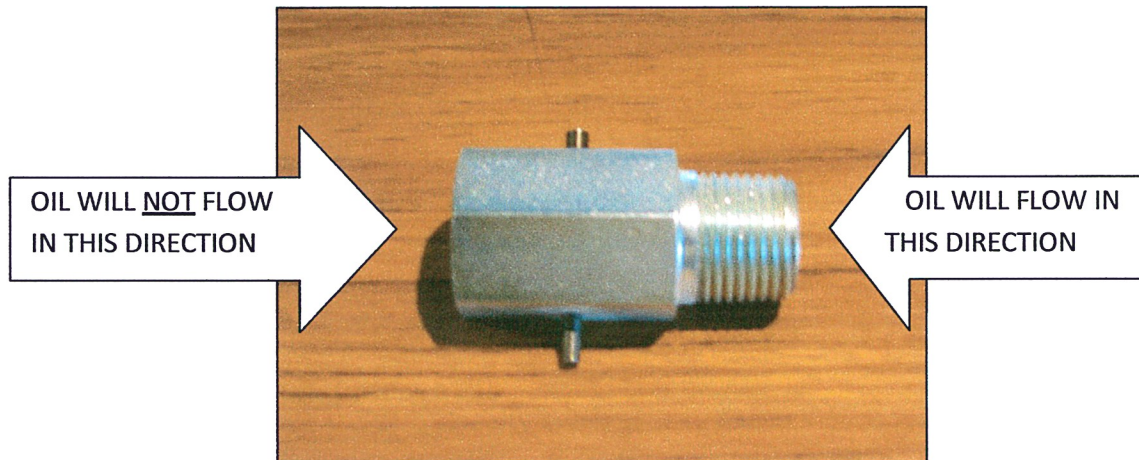
2	HAIR PIN (586)	
5	BRAKE WINCH (459)	
7	2½" PULLEY (376)	
8	LOCK BOLT ASSEMBLY (1175)	
11	HUB & SPINDLE ASSEMBLY (990)	
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27A	8" X 18" FLEX HOSE C/W RIVETS & WASHERS (1130) BMD (1546)	
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35C	8" V/A HOPPER (918)	NOT SHOWN
35A	8" V/A HOPPER CLAMP BAND (1167)	NOT SHOWN
35B	V/A SAFETY GRILLE (548)	NOT SHOWN
37A	SUPPORT CHANNEL BOTTOM	37A, 37B, 37C & 37D MAKE UP THE COMPLETE SUPPORT CHANNEL ASSEMBLY (1377)
37B	SUPPORT CHANNEL BOTTOM C/W TONGUE RECEIVER	
37C	SUPPORT CHANNEL TOP C/W 2 LINER HOLDERS	
37D	SUPPORT CHANNEL TOP C/W 1 LINE HOLDER	
39	5/8" BENT PIN (100)	
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62	LOWER FRAME (707)	
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65	UPPER FRAME LEG (1178)	
66	HEIGHT ADJUSTER MOUNTING BRACKET (1571)	
68	ST205/75D15 TIRE ASSEMBLY (273B)	NOT SHOWN
NUTS & BOLTS SOLD SEPERATELY		

**FLIGHTING STYLES: STRAIGHT BLADE PLASTIC, 7" CUPPED PLASTIC, BRISTLE & CUPPED STEEL (SPECIFY LENGTH & AUGER STYLE)**

## OPTIONAL VALVES FOR HYDRAULIC AUGERS

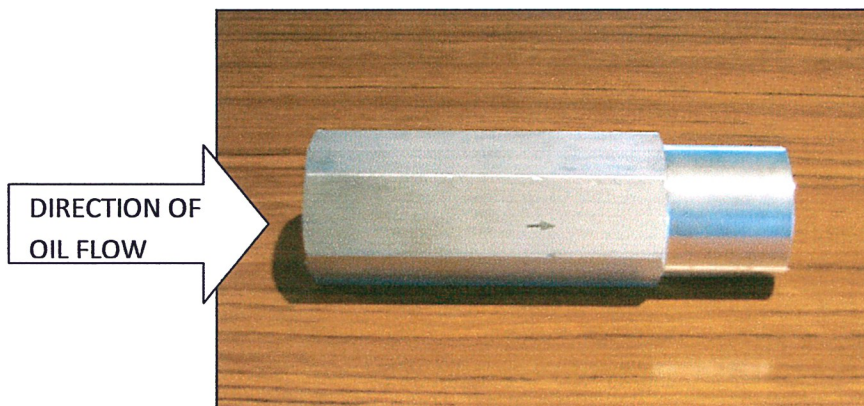
**Note:** These optional valves do not replace the shut-off valve on the auger.

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.

