



SINGLE-AUGER DRILL FILL
FOR
JOHN DEERE 750/1560
15' & 20' GRAIN DRILLS

Beginning with Serial #A37010100

Part No. 22735

Foreword

Your new DRILL FILL is designed and manufactured to give you years of dependable service. To keep it running efficiently, read the instructions in this operator's manual.

This manual covers operation, service, assembly, and parts for your DRILL FILL. Read and study manual completely before attempting to operate this implement. Take this manual to the field for handy reference when operating, adjusting, or servicing your machine.

"Right-Hand" and "Left-Hand" side of the machine are determined by standing behind the implement and facing in the direction of forward travel.



This symbol identifies important safety messages. When you see it, read the message that follows and be alert to the possibility of personal injury.

Remember, safety instructions stated in this manual are for your protection. Read them carefully and follow them closely when working around or using this machine.



REMEMBER:
THINK SAFETY
A CAREFUL OPERATOR IS THE
BEST INSURANCE AGAINST AN
ACCIDENT!

IMPORTANT

- *The information, specifications, and illustrations in the manual are on the basis of information available at the time it was written. Due to continuing improvements in the design and manufacture of Unverferth products, all specifications and information contained herein are subject to change without notice.*

Drill Fill Auger — Introduction

Product Information

Please fill out and retain this portion for your records. All products manufactured by Unverferth Mfg. Co., Inc. are warranted to be free from material and workmanship defects for one full year from time of consumer delivery. Your local dealer will gladly assist you with any warranty questions.

The serial number plate is located as shown in Fig. 1.

Product _____

Serial Number _____

Date of Purchase _____

Dealer _____

City _____ State _____ Zip _____

Please supply this information when you have questions or when ordering repair or replacement parts. Your dealer needs this information to give you prompt, efficient service.

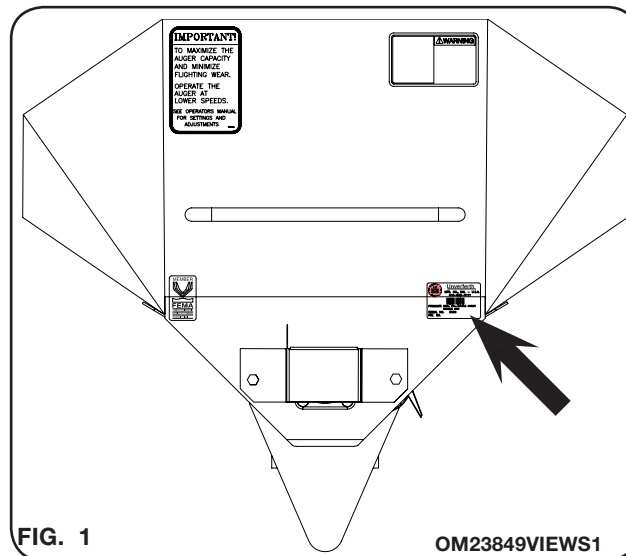


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SECTION I

Safety

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General Hazard Information

No accident-prevention program can be successful without the wholehearted cooperation of the person who is directly responsible for the operation of the equipment.

A large number of accidents can be prevented only by the operator anticipating the result before the accident is caused and doing something about it. No power-driven equipment, whether it be transportation or processing, whether it be on the highway, in the field, or in the industrial plant, can be safer than the person who is at the controls. If accidents are to be prevented--and they can be prevented--it will be done by the operators who accept the full measure of their responsibility.

It is true that the designer, the manufacturer, and the safety engineer can help; and they will help, but their combined efforts can be wiped out by a single careless act of the operator.

It is said that, "the best kind of a safety device is a careful operator." We, at Unverferth Mfg. Co., Inc. ask that you be that kind of operator.



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SIGNAL WORDS



INDICATES AN EXTREMELY HAZARDOUS SITUATION OR ACTION THAT WILL RESULT IN SERIOUS INJURY OR DEATH.



INDICATES A HAZARDOUS SITUATION OR ACTION THAT COULD RESULT IN SERIOUS INJURY OR DEATH.



INDICATES AN UNSAFE SITUATION OR ACTION THAT MAY RESULT IN PERSONAL INJURY.

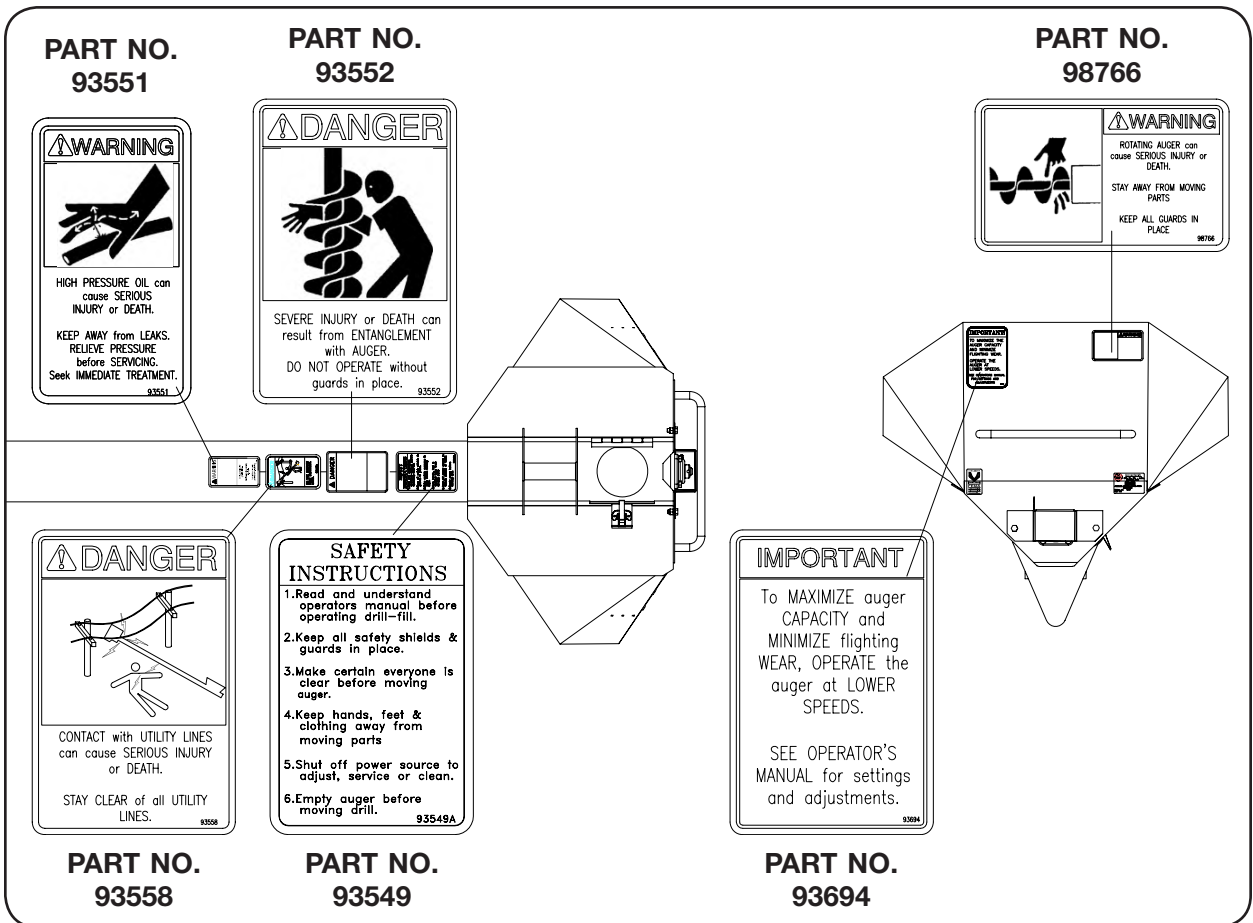


Is used for instruction on operating, adjusting, or servicing a machine.

Safety Decals

⚠ WARNING

REPLACE LOST, DAMAGED, PAINTED, OR UNREADABLE DECALS IMMEDIATELY. IF PARTS THAT HAVE DECALS ARE REPLACED, ALSO MAKE SURE TO INSTALL NEW DECALS. THESE DECALS INFORM AND REMIND THE OPERATOR WITH OPERATIONAL INFORMATION AND SAFETY MESSAGES.



Following Safety Instructions

- Read and understand this operator's manual, and the towing vehicle's operator's manual, before operating.



- All machinery should be operated only by trained and authorized personnel.

- To prevent machine damage, use only attachments and service parts approved by the manufacturer.

- Always shut tractor engine off & remove key before servicing the implement.



- Avoid personal attire such as loose fitting clothing, shoestrings, drawstrings, pants cuffs, long hair, etc., that may become entangled in moving parts.

Before Operating or Servicing

- Avoid working under the unit; however, if it becomes absolutely unavoidable, make sure the implement is safely blocked.
- Always make certain everyone and everything is clear of the machine before beginning operation.
- Verify that all safety shields are in place and secured.
- Ensure that all applicable safety decals are installed and legible.



During Operation

- Regulate speed to field conditions. Maintain complete control at all times.
- Never lubricate equipment when in operation.
- Keep away from overhead power lines. Electrical shock can cause serious injury or death. (Image of machine contacting power line)
- Use extreme care when operating close to ditches, fences, or on hillsides.
- Do not leave towing vehicle unattended with engine running.
- Seed being transported may contain seed treatment. Read and follow all requirements for personal protective equipment and first aid as outlined on seed tags.

Drill Fill Auger — Safety


Before Transporting

- Install transport locks before transporting.

During Transport

- Comply with state and local laws governing highway safety when moving machinery.
- Maximum speed of implement should never exceed 20 mph. Do not exceed 10 mph during off-highway travel.
- Use transport lights as required by local laws to adequately warn operators of other vehicles.

Pressurized Oil

- Relieve pressure before disconnecting hydraulic lines from tractor, loosening any hydraulic fittings or servicing hydraulic system. See hydraulic power unit manual for procedure to relieve pressure.
- Use a piece of cardboard or wood to detect leaks of hydraulic fluid under pressure. Correct hydraulic leaks immediately.
- High Pressure fluids can penetrate the skin and cause serious injury or death. Seek medical treatment immediately if injured by high-pressure fluids.
- Hydraulic system must be purged of air before operating to prevent serious injury or death... 
- Do not bend or strike high-pressure lines. Do not install bent or damaged tubes or hoses.
- Repair all oil leaks. Leaks can cause fires, personal injury, and environmental damage.
- Route hoses and lines carefully to prevent premature failure due to kinking and rubbing against other parts. Make sure that all clamps, guards and shields are installed correctly.
- Check hydraulic hoses and tubes carefully. Replace components as necessary if any of the following conditions are found:
 - End fittings damaged, displaced, or leaking.
 - Outer covering chafed or cut and wire reinforcing exposed.
 - Outer covering ballooning locally.
 - Evidence of kinking or crushing of the flexible part of a hose.
 - Armoring embedded in the outer cover.

Drill Fill Auger — Safety

Preparing for Emergencies

- Keep a first aid kit and properly rated fire extinguisher nearby.



- Keep emergency numbers for fire, rescue, and poison control personnel near the phone.



Wearing Protective Equipment

- Wear clothing and personal protective equipment appropriate for the job.



- Wear steel-toed shoes when operating.



- Wear hearing protection when exposed to loud noises.



- Do not wear additional hearing impairing devices such as radio headphones, etc.



Specifications

AUGER

A 15'-6" long main auger with an additional 7'-6" long extendable spout or 18'-2" long main auger with an additional 9'-4" long extendable spout.

AUGER TUBE

6 inch diameter 0.065 wall tubing.

FLIGHTING

BRUSH-TIP: A 5 1/2" diameter flighting consisting of a 4" diameter left-hand wound screw with 3/4" of durable bristle-like fingers around the outside leading edge to gently handle delicate grain.

PLASTIC: 5" diameter UHMW plastic on hexagonal stainless steel shaft, cupped, full pitch, right-hand wound.

STEEL: 5" diameter cupped flighting left-hand wound.

MOTOR

A powerful 6.0 cubic inch displacement hydraulic motor.

DISCHARGE RATES

* These rates are representative of performance achieved in actual on-farm tests. Discharge rates will vary depending upon the hydraulic power source, the condition of the material being handled, and the auger tube angle.

Notes

**SECTION II
Setup**

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Assembly

WARNING

- READ AND UNDERSTAND SAFETY RULES BEFORE OPERATING OR SERVICING THIS MACHINE. REVIEW “SAFETY” SECTION IN THIS MANUAL IF NECESSARY.
- FALLING OBJECTS CAN CAUSE SERIOUS INJURY OR DEATH. DO NOT WORK UNDER THE MACHINE AT ANY TIME WHILE BEING HOISTED. BE SURE ALL LIFTING DEVICES AND SUPPORTS ARE RATED FOR THE LOADS BEING HOISTED. THESE ASSEMBLY INSTRUCTIONS WILL REQUIRE SAFE LIFTING DEVICES UP TO 500 LBS. SPECIFIC LOAD RATINGS FOR INDIVIDUAL LOADS WILL BE GIVEN AT THE APPROPRIATE TIME IN THE INSTRUCTIONS.
- FALLING OR LOWERING EQUIPMENT CAN CAUSE SERIOUS INJURY OR DEATH. KEEP EVERYONE AWAY FROM EQUIPMENT WHEN SUSPENDED, RAISING, OR LOWERING.
- EYE PROTECTION AND OTHER APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT MUST BE WORN WHILE SERVICING IMPLEMENT.
- KEEP HANDS CLEAR OF PINCH POINT AREAS.

This section contains all of the instructions required for the complete assembly of the entire DRILL FILL to your air drill.

For your safety, and the safety of others, use proper tools and equipment and always use safe working procedures. Refer to these instructions before starting any work on your machine.

IMPORTANT

- *The procedures for assembling this unit were intended for two or more people.*

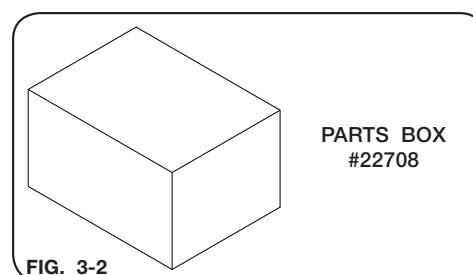
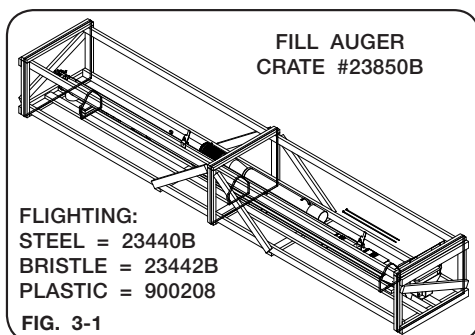
For ease of assembly, install all hardware loosely until assembly is complete and then tighten according to “Torque Chart”.

Place machine on a solid level surface, block from moving, set the tractor brakes, shut-off the engine, and remove the ignition key.

Be careful when handling the components. Keep hands and feet from pinch and crush points.

Use a safe lifting devices rated at 500 lbs. minimum when handling the auger.

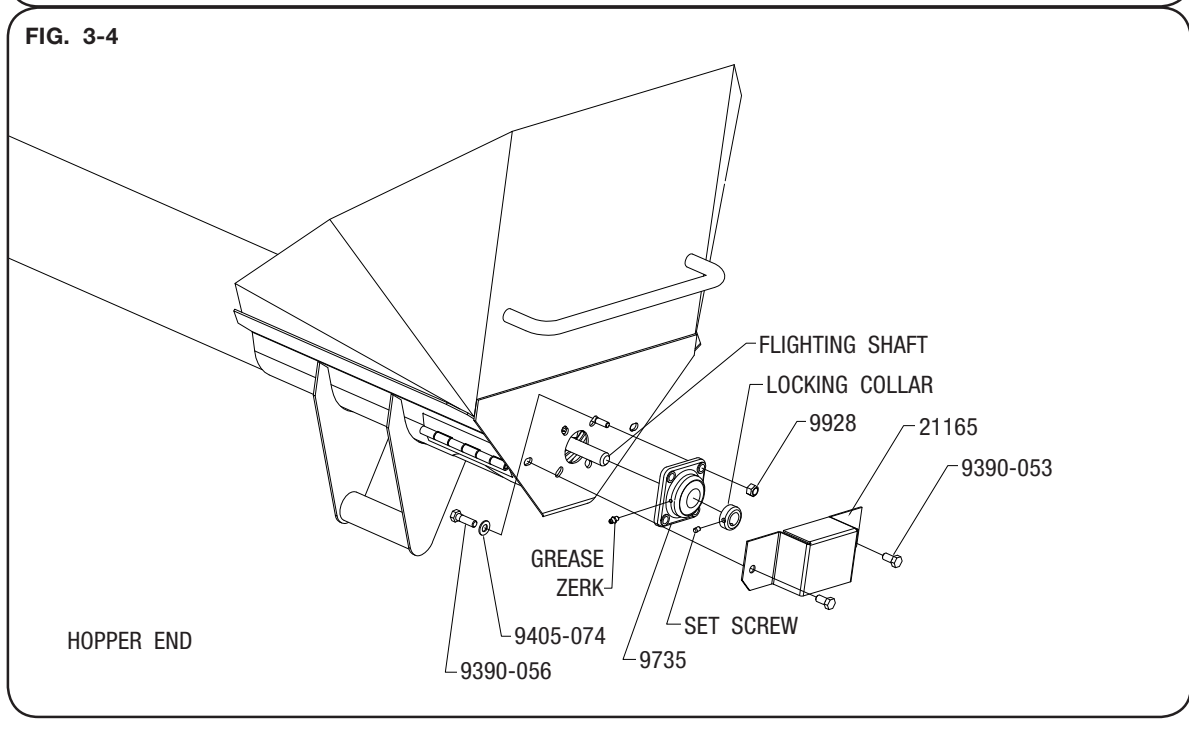
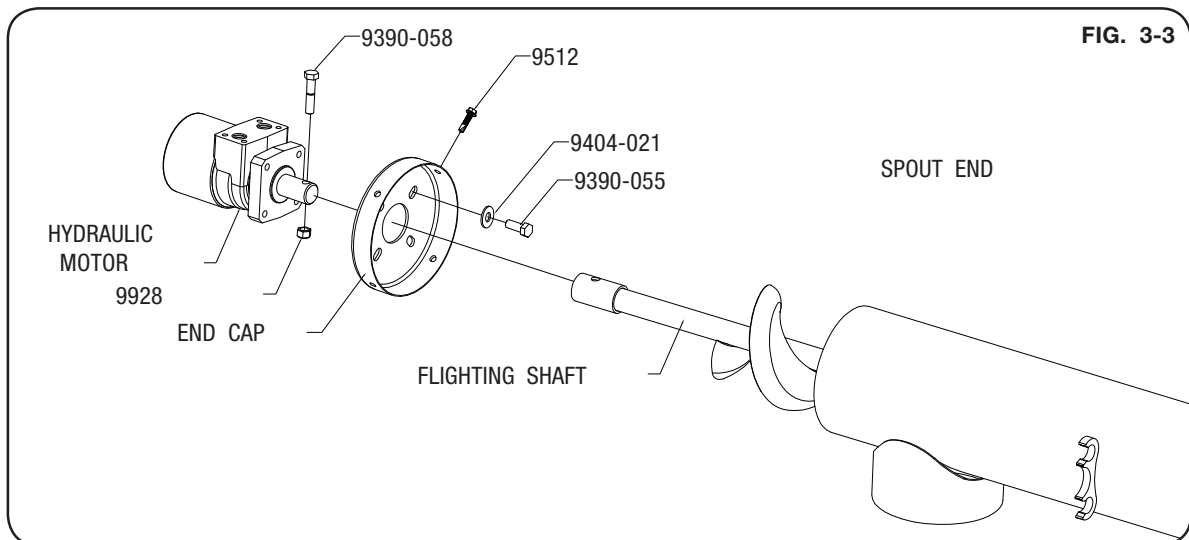
1. Remove the auger and flighting from the crate, see Fig. 3-1.



Drill Fill Auger — Set-Up

Assembly (Continued)

2. On the spout end of the fill auger, remove end cap (2865B) by removing self-drilling screws (9512). Retain hardware removed. See figure 3-3.
3. Insert the flighting into the spout end of the auger tube. See figure 3-3.
4. On the hopper end of the fill auger, install flange bearing (9735) provided in the part box (22708). Secure in place using capscrews (9390-056), flat washers (9405-074) and locknuts (9928) provided in parts box. See figure 3-4.
5. Insert the flighting shaft into the flange bearing (9735) and retain in place by tightening the set screw on the locking collar found on the flange bearing. See figure 3-4.
6. Reinstall end cap (2865B) previously removed in Step 2.



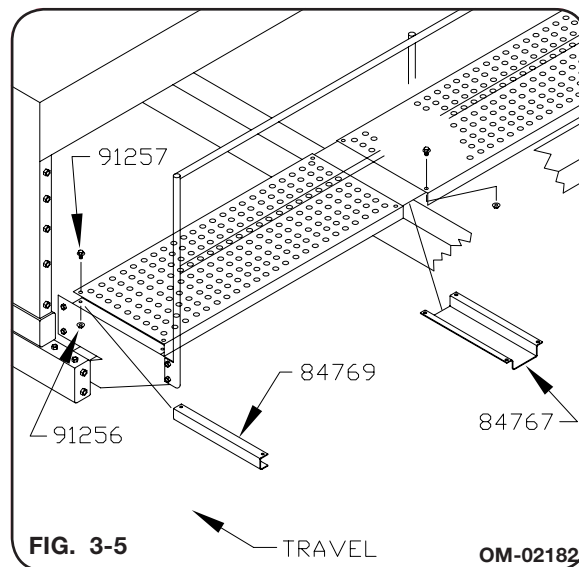
Attaching Auger To Drill

IMPORTANT

- On JD750 15 Ft. drills prior to “1996”, bundle (84768) is required to raise the walkway to allow the pivot tube weldment to fit underneath. If your drill is not a “1996” model or earlier, please skip to step 4.
 - If drill is equipped with lights, the lights should be moved so they are visible and not obstructed by the auger.
1. Remove the flange bolts and nuts that are holding down the walkway. This hardware will be used in the reassembly.
 2. Install spacers (84767 and 84769) as shown in Fig. 3-5.
 3. Secure with flange bolts (91257) and flange nuts (91256). Reinstall flange bolts and flange nuts which were previously removed.

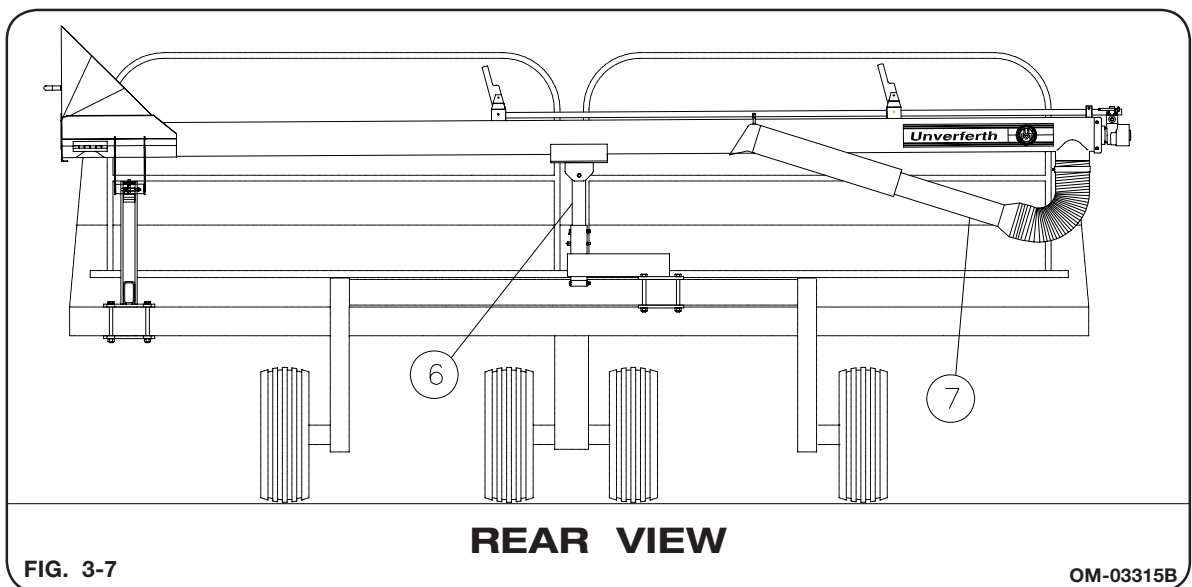
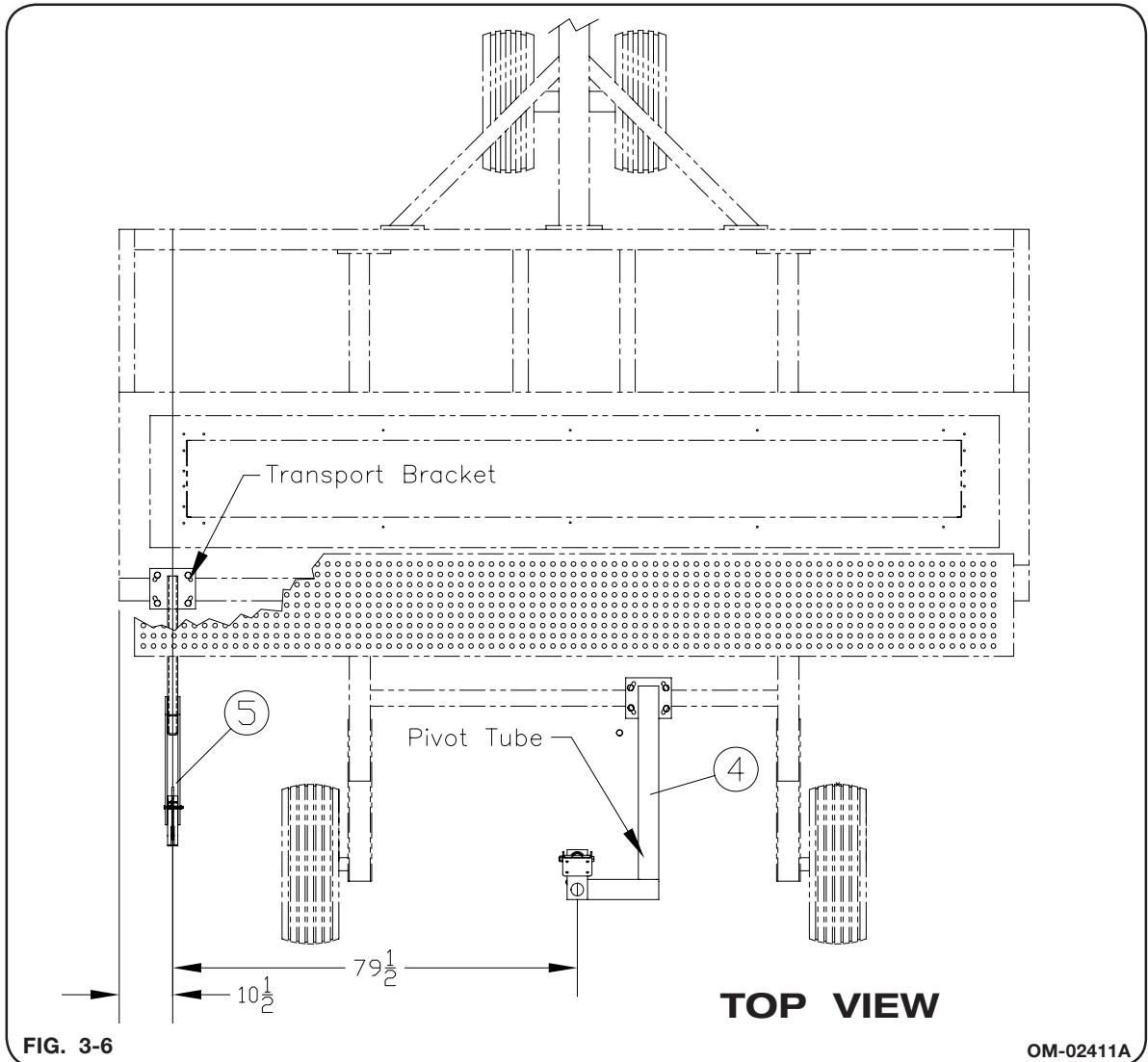
NOTE: Refer to “Torque Chart” on page 14 for proper torquing of flange bolts.

4. Install the pivot tube assembly (22758 for 15') or (22718 for 20') onto the back of the axle cross tube, using clamp plate (22361B), four 5/8-11 x 7" long capscrews (9390-138), 8 flatwashers (9405-100), and locknuts (9801) (Fig. 3-6 or 3-8). Note: Use 12 flatwashers for 4 x 4 tube.
5. Install the auger transport bracket (22689) onto the top of the rear frame using clamp plate (22414), four 5/8-11 x 8" long capscrews (9390-140), flatwashers (9405-100), and locknuts (9801) (Fig. 3-6 or 3-8).
6. Using a safe lifting device (that can hold 500 lbs minimum), install auger onto the pivot tube assembly and attach with four 3/8-16 x 1" capscrews (9390-055), and locknuts (9928).
7. Install the telescopic spout assembly (22774 for 15') or (22578 for 20') using clamp ring and hardware.



Drill Fill Auger — Set-Up

15' Model



Drill Fill Auger — Set-Up

20' Model

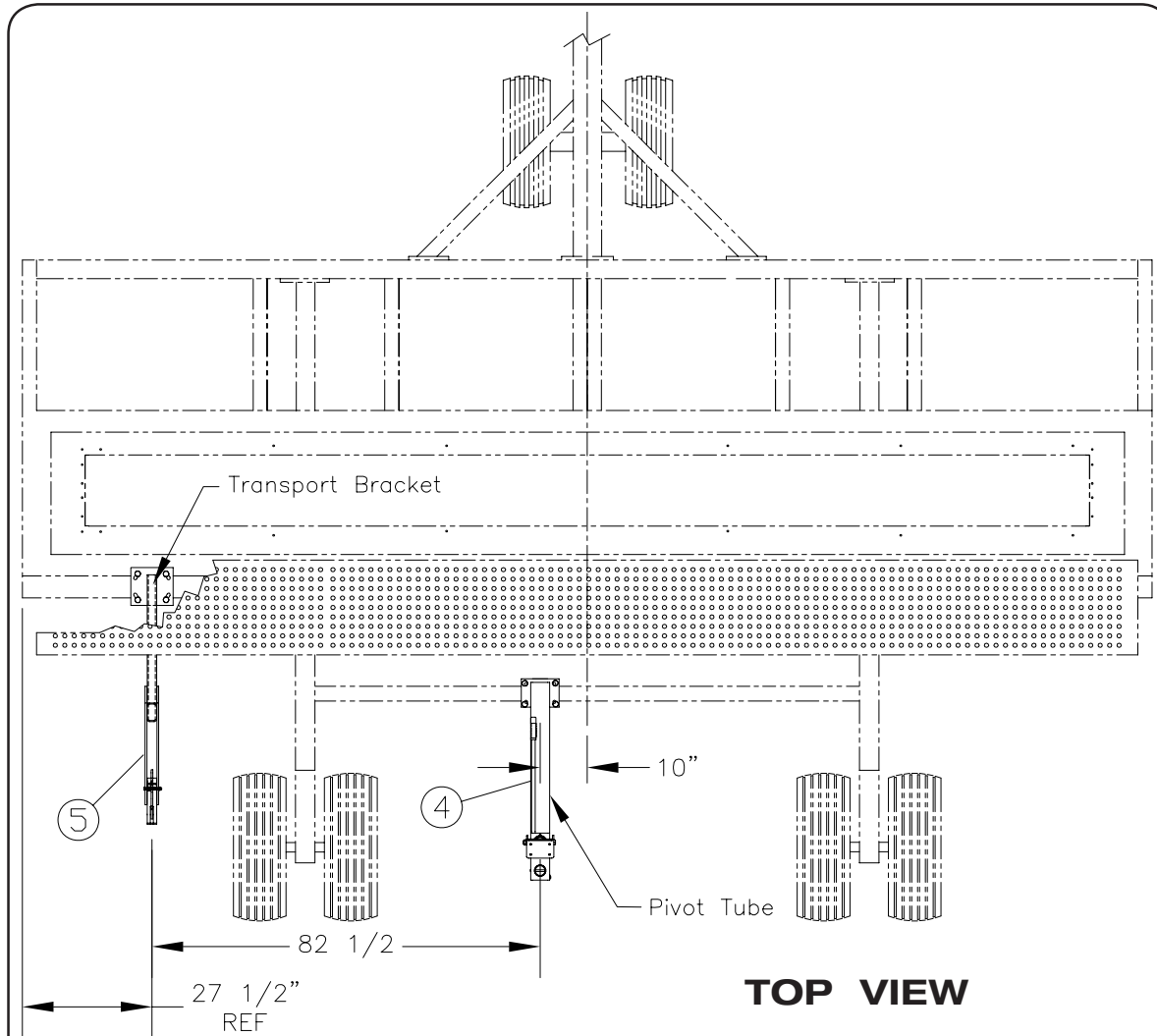


FIG. 3-8

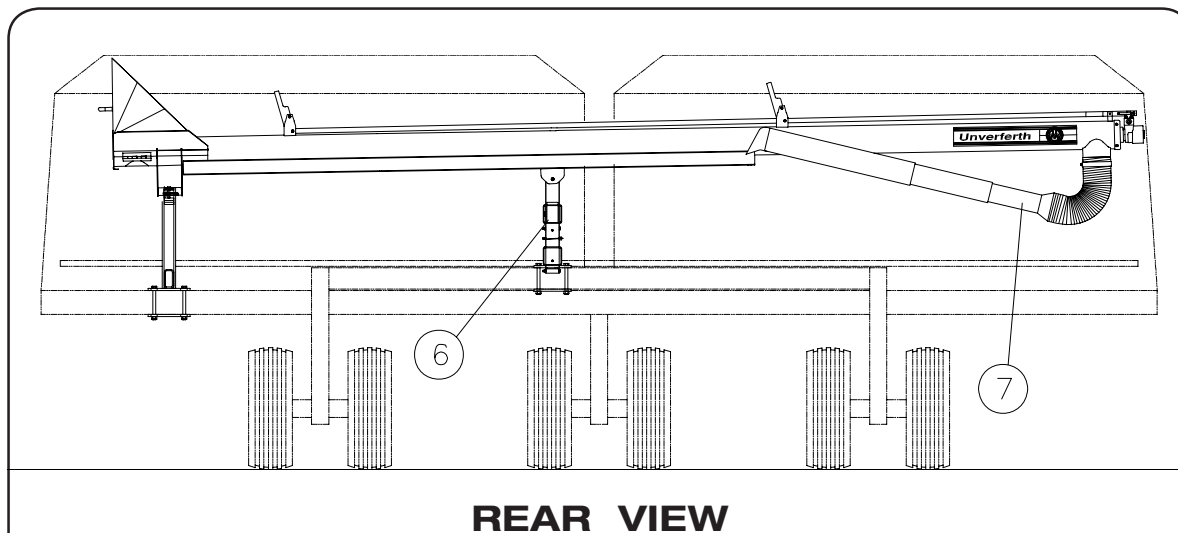


FIG. 3-9

OM-03315A

Drill Fill Auger — Set-Up

Hydraulics

IMPORTANT

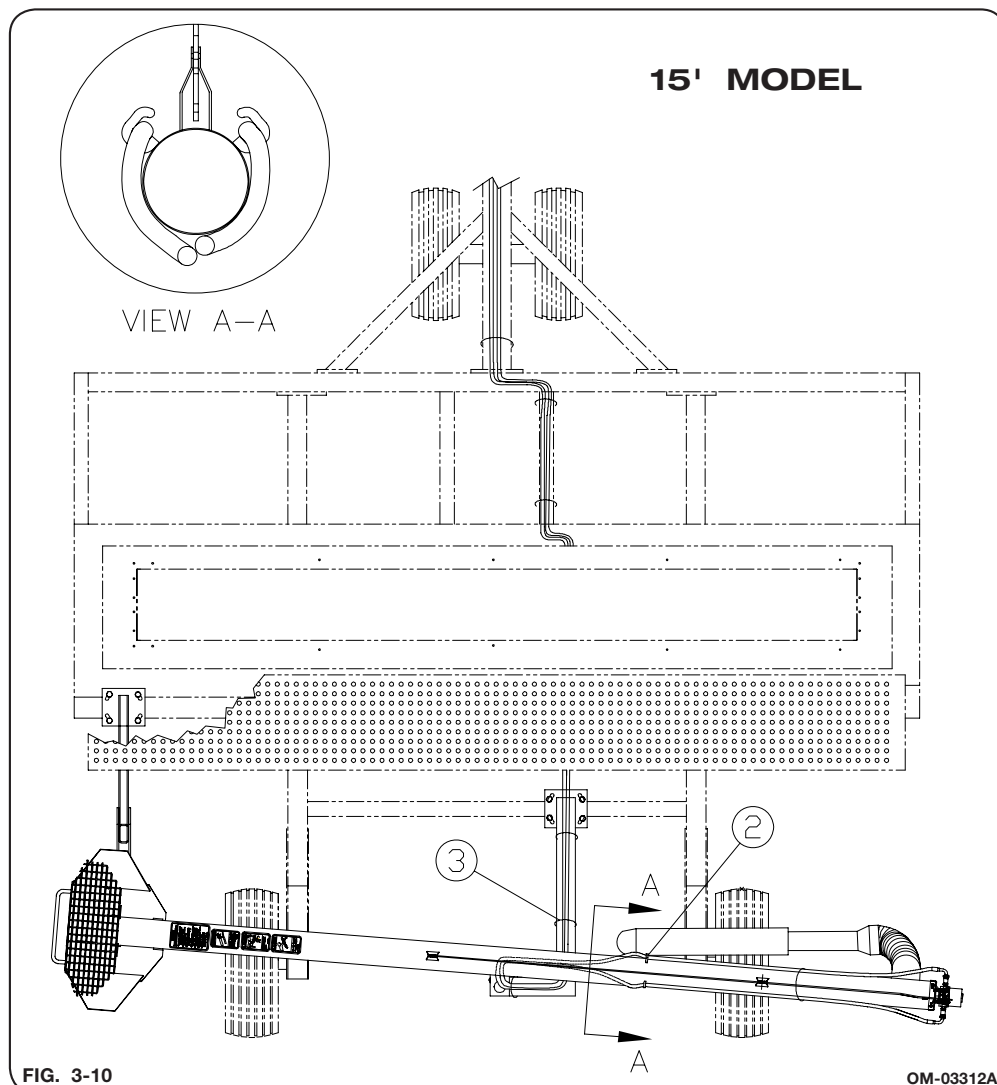
- Do not use any tape or thread sealant as all fittings have mechanical or O-ring seals. This prevents contamination from tape or thread sealants entering the tractor's hydraulic system.

NOTE: Refer to Fig. 3-10 or 3-11 for routing and positioning of the hydraulic components onto the auger.

NOTE: Refer to the PARTS section for fitting type, hose size, and length required.

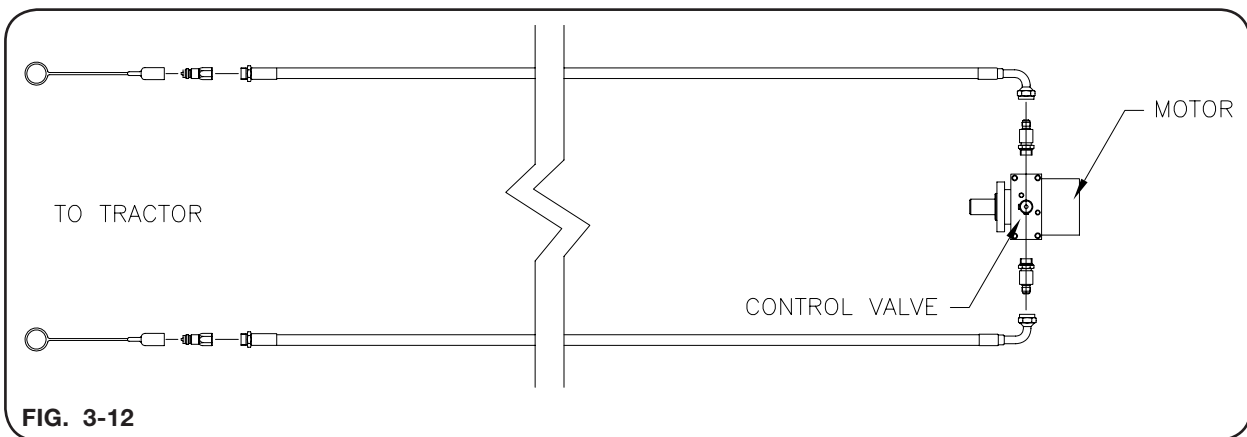
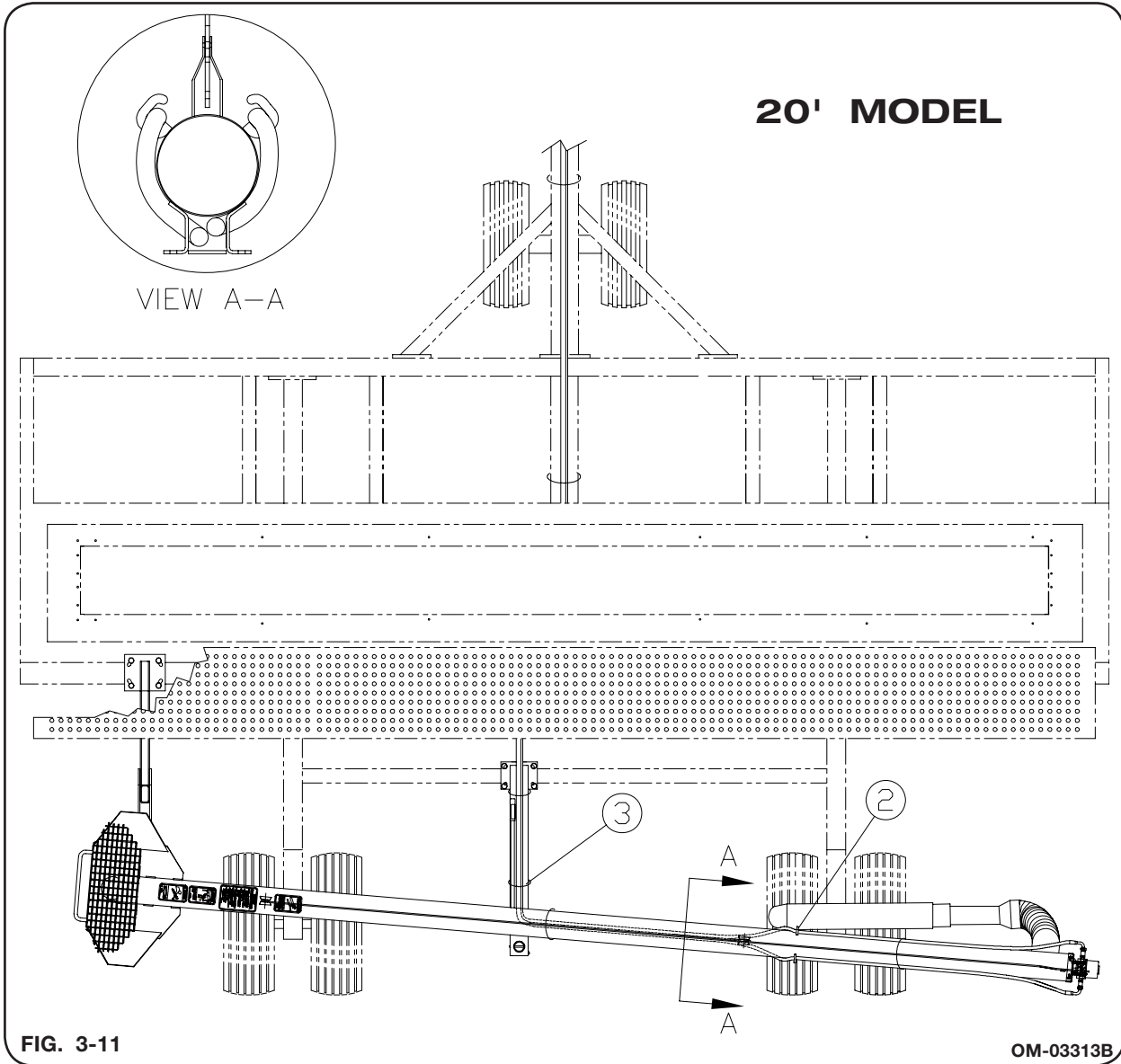
NOTE: Hoses should not be kinked, twisted, or rubbing against sharp edges.

1. Install hydraulic components to the machine and refer to diagram (Fig. 3-12).
2. Install hoses onto fill auger tube and secure to ears as shown (Fig. 3-10 or 3-11). Cut-off excess cable ties.
3. Secure hose to frame using cable ties as shown (Fig. 3-10 or 3-11).



Drill Fill Auger — Set-Up

Hydraulics (Continued)



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Preparing Drill

WARNING

- **KNOW AND UNDERSTAND SAFETY RULES BEFORE OPERATING OR SERVICING THIS MACHINE. REVIEW “SAFETY” SECTION IN THIS MANUAL IF NECESSARY.**

Read this operation section thoroughly. Acquaint yourself with the adjustments required to obtain efficient and trouble-free operations.

IMPORTANT

- *Before attempting to attach the drill to the tractor, familiarize yourself with operations and adjustments of the unit. To insure safe operating conditions, obey all safety notes outlined in the planter's operator's manual.*

Perform the service checks as outlined below. Repair or replace any damaged or worn parts before operating.

Before operating, check all hardware for tightness. Recheck all bolts and tightness after the unit has been operated for several hours.

Before operating, check that all pins are in place and in good condition. Replace any worn, damaged, or missing pins.

After mounting and making all necessary connections between tractor and auger, check the following:

Make sure all hoses are properly routed and secured into position to prevent pinching and binding, and all connections are properly tightened to prevent leaks.

Operating/Transporting Procedures

WARNING

- **SEED MAY BE TREATED WITH HAZARDOUS MATERIAL. AVOID CONTACTING SEED WITH SKIN, EYES, AND AVOID BREATHING DUST. FOLLOW MANUFACTURER'S RECOMMENDATIONS.**

CAUTION

- **KEEP ALL UNAUTHORIZED PEOPLE CLEAR OF WORK AREA.**

IMPORTANT

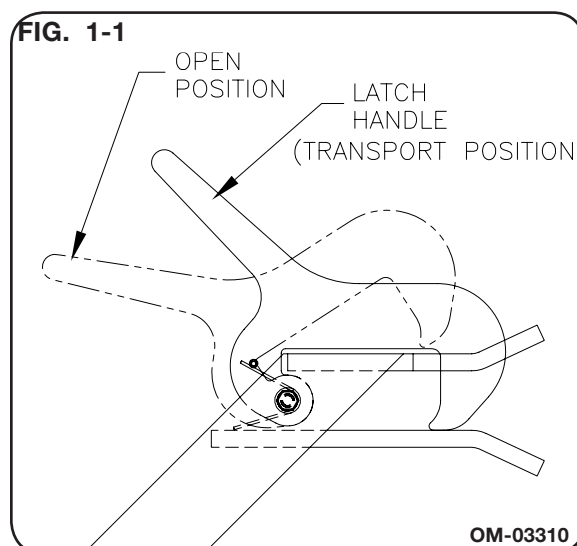
- *Do not move the fill auger while filling the air drill.*

Drill Fill Auger — Operation

Operating/Transporting Procedures (Continued)

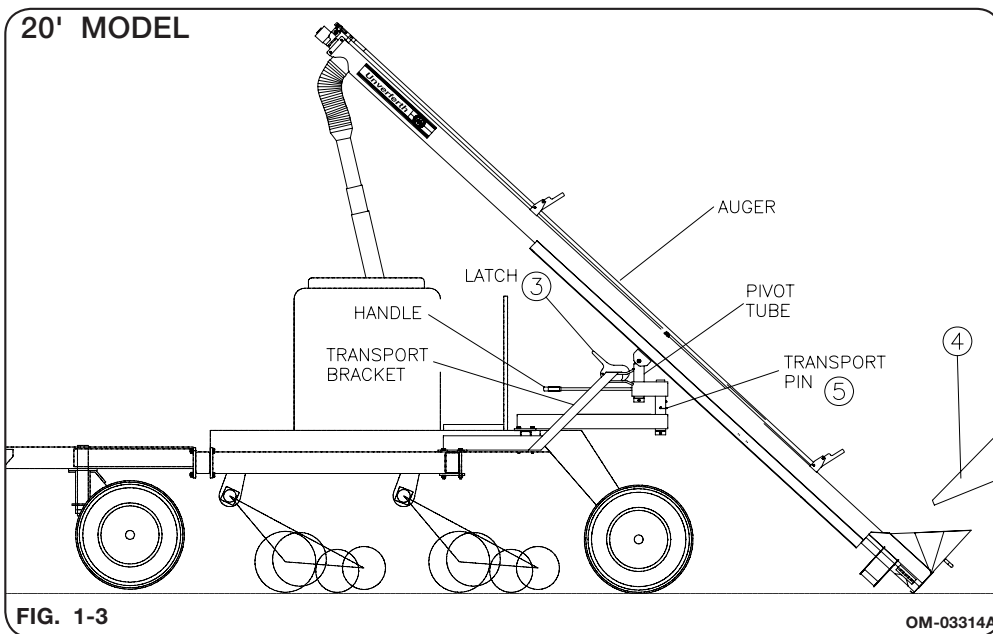
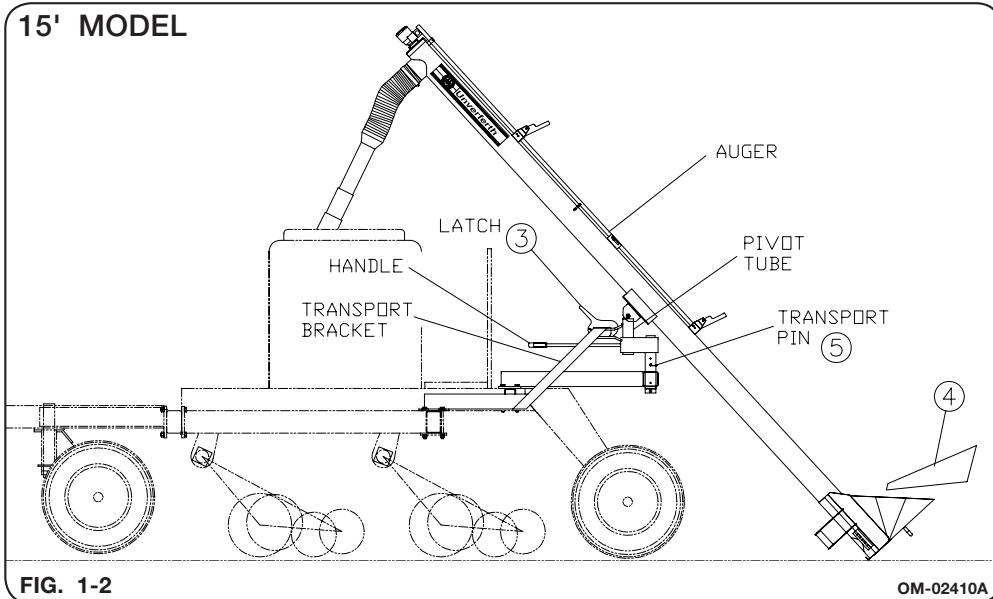
1. Pull tractor and drill into position, shift tractor into park (or neutral) and lock brakes on tractor.
2. Open the lid on the drill to allow the fill auger to be positioned.
3. Open latch on transport bracket on the DRILL FILL auger (Fig. 1-1), and swing auger to rear so that it is perpendicular to drill. Be sure to position the telescopic spout into the center of the drill hopper (Fig. 1-2 or 1-3).
4. With the fill auger in position, pull the transfer wagon behind the fill auger (Fig. 1-2 or 1-3).
5. Remove transport pin and swing pivot arm to move and center hopper under wagon chute.
6. Engage the tractor hydraulic system to of hydraulic oil flowing to the auger. Operate selector valve to make sure the auger flighting is rotating in a forward direction. If flighting is rotating in a backward direction, either reverse the hoses going into the tractor or move the tractor control hydraulic lever in the opposite direction to reverse the flow.
7. Start the auger rotating and begin the flow of seed into the auger. Adjust the seed flow for a smooth, even flow of seed through the auger.
8. Fill the drill evenly by moving the adjustable spout from side-to-side while the auger is running. When the desired level is reached in the drill tank, close the transfer wagon door and empty out the fill auger.
9. Swing pivot arm forward and insert locking pin.
10. Move the auger into the transport position and secure with trasport bracket latch (Fig. 1-1). Simply push auger into transport bracket and make sure automatic latch secures auger.
11. Hang spout on loop.
12. Close and secure lid on drill.

NOTE: Fill center of each hopper last to prevent plugging auger.



Drill Fill Auger — Operation

Operating/Transporting Procedures (Continued)



NOTE: The new tractor hydraulic systems provide a flow rate of 12 to 25 GPM at the accessory outlets. When adjustment is provided, reduce the flow rate to 10 to 15 GPM. The lower flow rates will provide optimum performance, reduce damage to material being handled, and provide longer life of the flighting.

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Maintenance

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Drill Fill Auger — Maintenance

Lubrication

Lubricate with an SAE multi-purpose grease. All fittings must be free from dirt and paint to insure entry of lubricant inside bearing..

Lower Auger Bearing

Lubricate the bearings every 100 hours of operation and at the end of each season before storage. Use only one stroke of grease per bearing.

IMPORTANT

- *Do not use a high-pressure grease gun to lubricate this bearing, as damage to bearing seal could occur.*

NOTE: Excessive lubrication of these bearings will result in premature failure.

Miscellaneous Lube Points

Oil or grease periodically (or as needed) the following:

- Hinge for clean-out door.
- Swivel base on conveyor.
- Latch pin housing.
- Pivot bracket and arm.
- On/Off control rod.

Storage/Maintenance

Your auger is an important investment. Spend a little time to protect it from destructive rust and corrosion. You will be repaid in longer service life and better performance.

DO THE FOLLOWING AFTER USE:

1. Clean out conveyor/hopper. Use pressurized water to wash out conveyor and hopper after use.
2. Wipe off the following:
 - Hydraulic valve, motor, hoses, and fittings.
 - Swivel base, cradle.
 - Reflectors and warning/caution decals.
3. Check the following:
 - Mounting bolts for tightness.
 - Cable ties for tightness.
 - Valve, motor, hoses, and fittings for leaks, etc.
 - Hydraulic hoses for wear-abuse.

DO THE FOLLOWING BEFORE PLACING THE CONVEYOR IN STORAGE:

- Repaint any chipped or scraped areas.
- Inspect for damaged or worn parts. Replace before next season.
- Store unit inside, away from livestock.

Trouble Shooting

SYMPTOMS	REMEDIES
A. AUGER WILL NOT TURN OVER OR DEVELOP PROPER SPEED OR TORQUE:	
1. Pump does not deliver sufficient pressure or volume	1. Check output and delivery, change if necessary
2. Auger jammed	2. Shut-off and lock-out power, open clean-out door and remove excess material (make sure swivel spout is clear)
B. AUGER RUNS TOO SLOW:	
1. Engine running too slow	1. Increase engine speed
2. Pump not producing minimum required flow and pressure	2. Check pump capacity and correct
3. Pump is worn	3. Repair or replace pump
4. Internal leak in controls or motor	4. Replace seals; repair or replace valves or motor
5. Air in system	5. Bleed system and tighten connections
6. Improper hydraulic oil viscosity	6. If auger starts slowly and speed increases after oil heats up, oil is too heavy weight. If auger slows down after oil heats up, oil is too light weight
C. AUGERS TURN IN WRONG DIRECTION:	
1. Control valve on tractor not set properly	1. Reset
D. OIL HEATS EXCESSIVELY.	
1. Oil viscosity incorrect	1. Drain and refill with proper weight oil
2. Dirty oil	2. Drain, flush, and refill with a clean oil and filter
3. Oil level too low	3. Fill to proper level
4. Oil slipping through worn pump	4. Repair or replace pump
5. Restricted line or piping	5. Reroute lines to eliminate restrictions
6. Reservoir too small to provide adequate cooling	6. Replace with larger reservoir or install oil cooler
E. PUMP / MOTOR SEALS BLOW-SHAFT / HOUSING BREAKS - HOSE BURST:	
1. When a standard control valve is returned to neutral, to stop, or start a motor, sudden pressure is created which may break seals, tear off motor shafts, burst housing or hoses. (Especially at speed under load.) This sudden shock cannot be relieved through the primary relief valve in the system	1. Avoid sudden and rapid starting and stopping (or convert to a free wheeling control valve (on the tractor) or a cushion valve may be installed)

Occasionally when an auger has been connected into an auxiliary hydraulic system, it may not operate. When hydraulic pressure and flow gauges are not available, it may be difficult to determine if the fault is in the source hydraulic system, or the auger. A convenient method of determining this is to connect the auger hydraulic hoses to another tractor system and check the operation. If, for example, the auger operates from the other tractor system but not from the original tractor connection, or the original tractor system is not adequate. If the auger fails to operate; however, there is probably a fault with the auger control valve, motor or the auger itself. In this case, refer to the trouble shooting guide.

Drill Fill Auger — Maintenance

Torque Chart (Continued)

Recommended torques for SAE Grade 5 hardware.

NOTE: Grade 5 capscrews can be identified by three radial dashes on the head.

SIZE	FOOT POUNDS	NEWTON METERS
1/4-20	8-10	11-13
1/4-28	9-11	12-15
5/16-18	15-17	20-23
5/16-24	17-19	23-26
3/8-16	25-28	34-38
3/8-24	28-31	38-42
7/16-14	40-45	54-61
7/16-20	45-50	61-68
1/2-13	62-68	84-92
1/2-20	68-75	92-102
9/16-12	90-98	122-133
9/16-18	100-110	134-148
5/8-11	120-135	162-183
5/8-18	124-137	168-186
3/4-10	200-220	270-300
3/4-16	210-230	285-310
7/8-9	330-350	425-475
7/8-14	360-380	460-515
1-8	500-525	675-710
1-14	540-560	730-760
1 1/8-7	600-635	815-860
1 1/8-12	665-700	920-950
1 1/4-7	850-895	1150-1215
1 1/4-12	940-990	1275-1340
1 3/8-6	1125-1175	1525-1590
1 3/8-12	1280-1335	1735-1810
1 1/2-6	1500-1560	2035-2115
1 1/2-12	1685-1755	2285-2380

CAPSCREWS - GRADE 5

NOTE: Grade 5 capscrews can be identified by three radial dashes on head.

U-BOLTS - GRADE 7

NOTE: Tighten U-bolts evenly and equally to have the same number of threads exposed on each end.

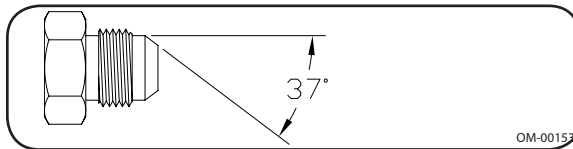
NOTE: Torque 3/4-10 U-bolts to 240 ft. lbs.

IMPORTANT

- Follow these torque recommendations except when specified in text.
- Do not use teflon tape or thread sealant as all fittings have mechanical or o-ring seals. This prevents contamination from tape or thread sealants entering the tractor's hydraulic system.

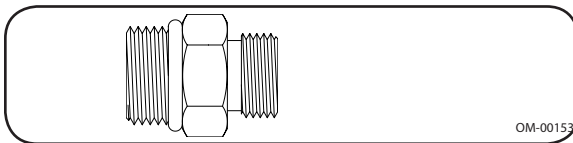
Torque Chart

SAE FLARE CONNECTION (JIC)



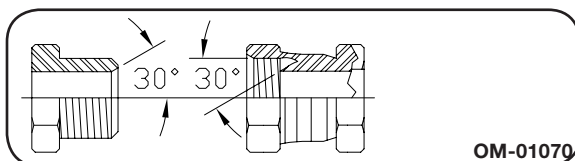
1. Tighten nut by hand until it bottoms the seat.
2. Using a wrench, rotate nut to tighten. Turn nut 1/3 turn to apply proper torque.

SAE STRAIGHT THREAD "O"-RING SEAL



1. Insure jam nut and washer are backed up to the back side of smooth portion of elbow adapter.
2. Lubricate "O"-Ring -- VERY IMPORTANT!
3. Thread into port until washer bottoms onto spot face.
4. Position elbows by backing up adapter.
5. Tighten jam nut.

MALE NPTF / FEMALE NPSM



1. Tighten nut finger tight until it bottoms the seat.
2. Using a wrench, rotate nut to tighten. Turn nut 1/3 turn to apply proper torque.

Notes

SECTION V

Parts

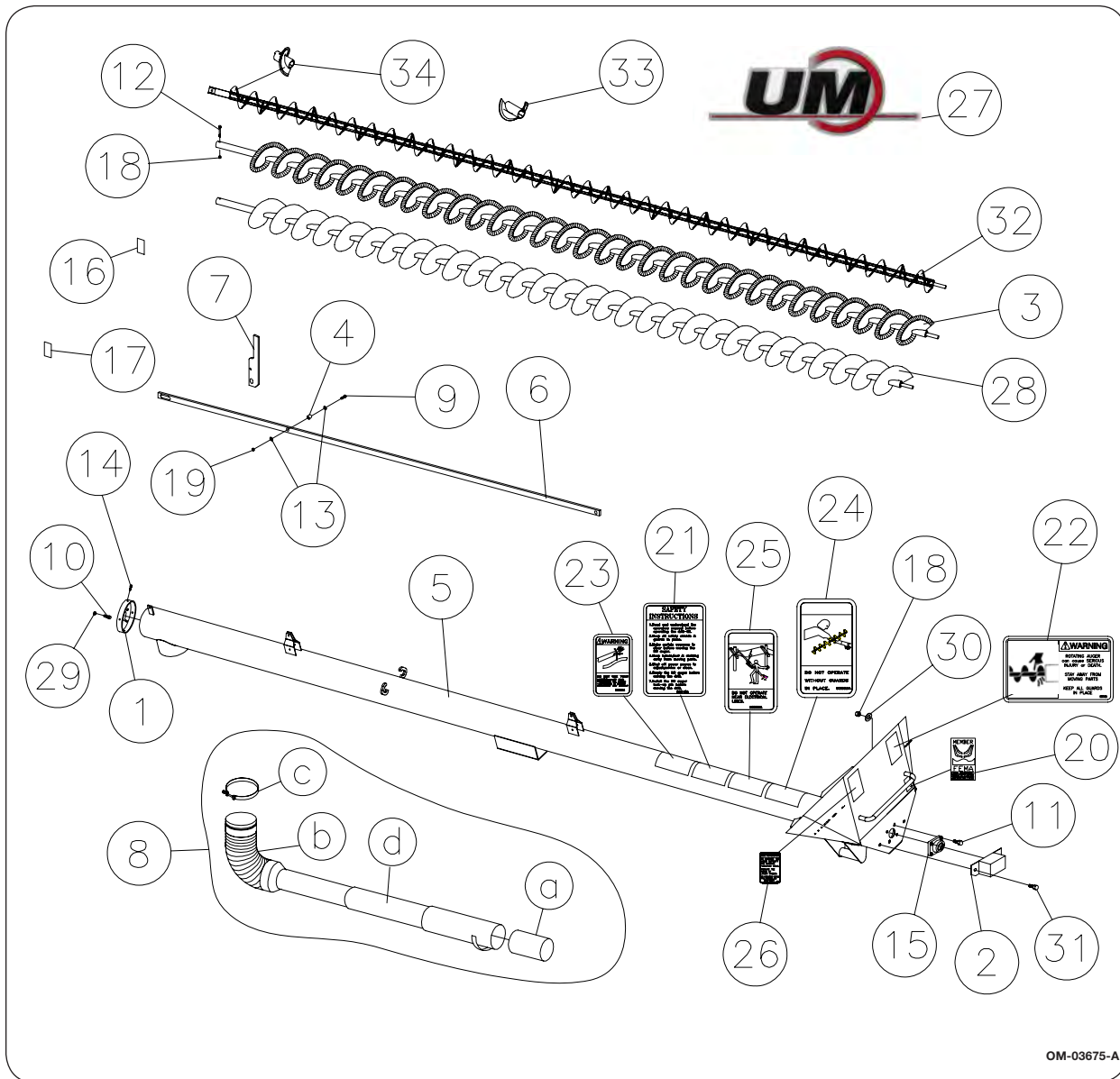
Please visit www.unverferth.com/parts/ for the most current parts listing.

Auger Components.....	5-2
Pivot Bracket/Transport Bracket.....	5-4
Hydraulic Components.....	5-5

Drill Fill Auger — Parts

Auger Components

Please visit www.unverferth.com/parts/ for the most current parts listing.



OM-03675-A

Drill Fill Auger — Parts

Auger Components (Continued)

Please visit www.unverferth.com/parts/ for the most current parts listing.

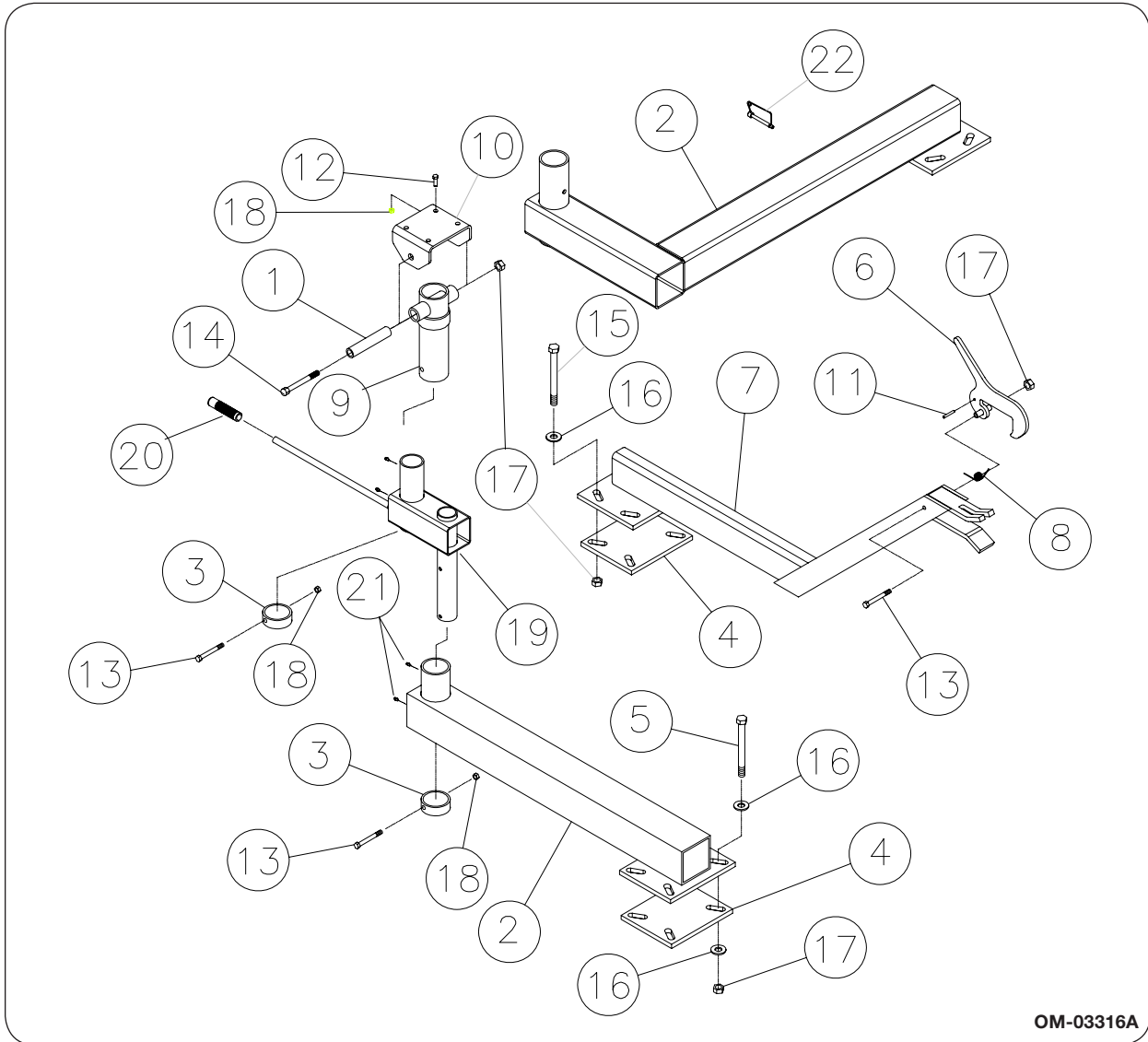
ITEM	PART NO.	DESCRIPTION
1	2865B	End Cap
2	21165	Guard
3	21217B	Flight, Brush-Tip (15')-LH
	21731B	Flight, Brush-Tip (20')-LH
	23441B	Flight, Brush-Tip (15')-RH
	23442B	Flight, Brush-Tip (20')-RH
4	22018	Bushing
5	22764	Auger Tube Weldment (15')
	22736	Auger Tube Weldment (20')
6	22340	Strap (15')
	22705	Strap (20')
7	22343	Handle
8	22774	Telescopic Spout Asy (15')
	22578	Telescopic Spout Asy (20')
a	22577	Sock Spout Extension
	21759	Flexible Hose
	98060	Clamp
	d	97295
96855		Telescopic Spout (20')
9	9390-004	Capscrew 1/4-20 x 7/8 (15')
	9390-005	Capscrew 1/4-20 x 1 (20')
10	9390-055	Capscrew 3/8-16 x 1
11	9390-056	Capscrew 3/8-16 x 1 1/4
12	9390-058	Capscrew 3/8-16 x 1 3/4
13	9405-066	Flat Washer 1/4
14	9512	Self-Drilling Screw 1/4-14x1
15	9735	Flange Bearing w/Collar, Set Screw & Grease Zerk

ITEM	PART NO.	DESCRIPTION
16	9855	Reflector - Amber
17	9856	Reflector - Red
18	9928	Locknut 3/8-16UNC
19	9936	Locknut 1/4-20UNC
20	91605	Decal, FEMA
21	93549	Decal, Safety Instructions
22	98766	Decal, WARNING (Rotating Auger...)
23	93551	Decal, WARNING (High-Pressure...)
24	93552	Decal, DANGER (Entanglement w/Auger...)
25	93558	Decal, DANGER (Electricity)
26	93694	Decal, IMPORTANT
27	901607	Decal, UM (Swoosh)
28	22748B	Steel Flighting (15')-LH
	22699B	Steel Flighting (20')-LH
	23439B	Steel Flighting (15')-RH
	23440B	Steel Flighting (20')-RH
29	9404-021	Lock Washer 3/8"
30	9405-073	Flat Washer 3/8"
31	9390-053	Capscrew 3/8-16 x 3/4
32	900207	Plastic Flighting (15')-RH
	900208	Plastic Flighting (20')-RH
33	900199	Plastic Flight Section
34	901122	Plastic Flight Section w/Gusset (For Ends Only)
35	901725	Decal "Unverferth"

Drill Fill Auger — Parts

Pivot Bracket / Transport Bracket

Please visit www.unverferth.com/parts/ for the most current parts listing.



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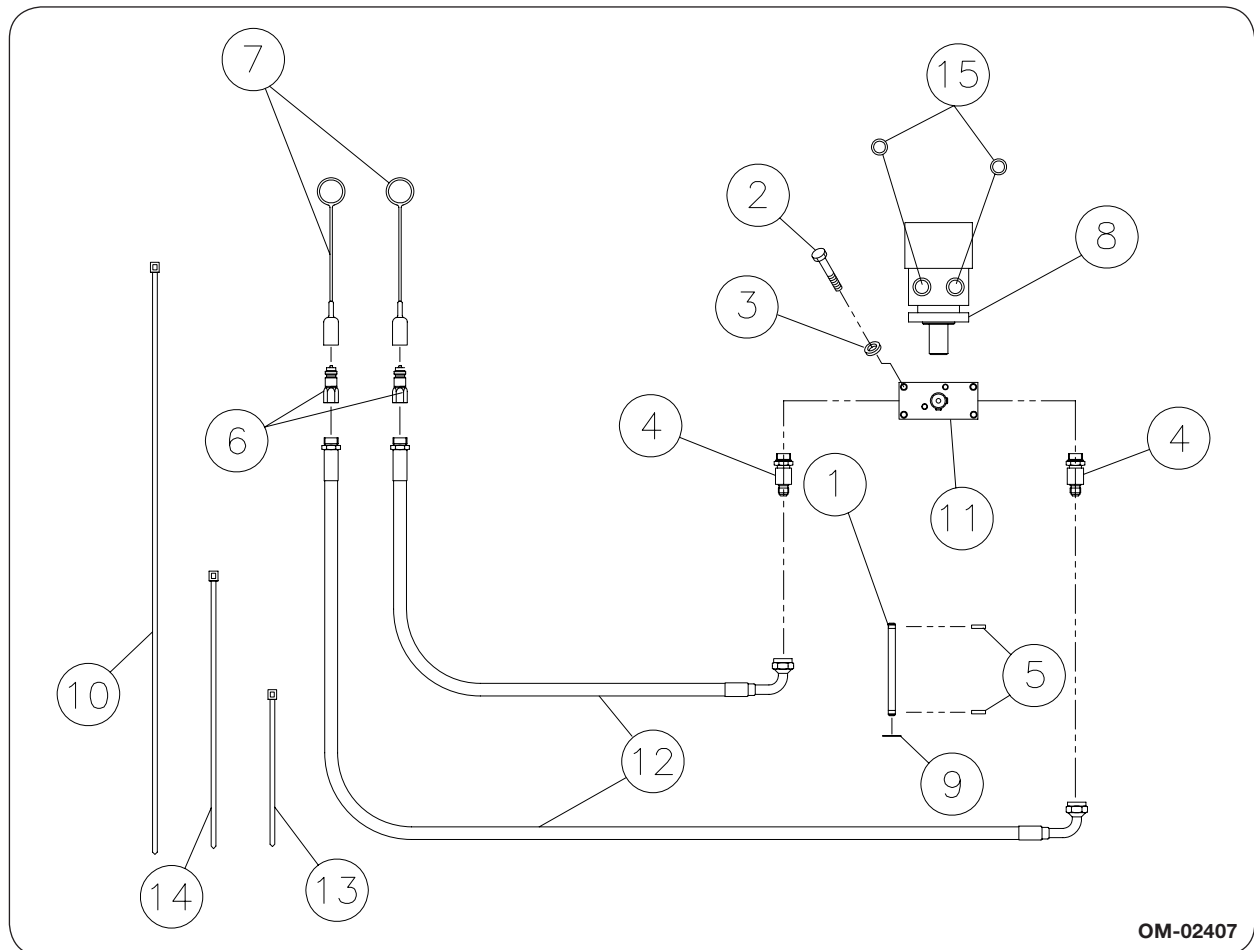
ITEM	PART NO.	DESCRIPTION
1	21260	Spacer
2	22758	Pivot Tube Weldment (15')
	22718	Pivot Tube Weldment (20')
3	22409B	Locking Collar
4	22361B	Clamp Plate
5	9390-138	Capscrew, 5/8-11 x 7" Lg.
6	22688	Latch
7	22689	Transport Bracket Weldt
8	22691	Spring
9	22696	Pivot Tube
10	22697	Cradle
11	91144-169	Spiral Pin, 1/4" Dia. x 2 3/4

ITEM	PART NO.	DESCRIPTION
12	9390-055	Capscrew, 3/8-16 x 1" Lg.
13	9390-065	Capscrew, 3/8-16 x 3 1/2" Lg.
14	9390-137	Capscrew, 5/8-11 x 6 1/2" Lg.
15	9390-140	Capscrew, 5/8-11 x 8" Lg.
16	9405-098	Flatwasher, 5/8"
17	9801	Locknut, 5/8-11
18	9928	Locknut, 3/8-16
19	22728	Arm Weldment
20	92928	Grip
21	91160	Grease Zerk
22	95937	Snap Pin

Drill Fill Auger — Parts

Hydraulic Components

Please visit www.unverferth.com/parts/ for the most current parts listing.



OM-02407

ITEM	PART NO.	DESCRIPTION (15' Model)
1	2265	Handle - Valve
2	9390-034	Capscrew, 5/16-18 x 2" Lg.
3	9404-019	Lockwasher, 5/16"
4	9864	Adapter
5	91144-116	Spiral Pin, 3/16" Dia. x 3/4" Lg.
6	91383	Male Coupler, 3/4-16
7	91511	Dust Cap
8	91604B	Hydraulic Motor
	91687	Seal Kit for Hydraulic Motor
9	9405-076	Flatwasher, 3/8"
10	94038	Cable Tie, 32" Lg.
11	95488	Hydraulic Control Valve
	96918	Seal Kit for Hydraulic Control Valve
12	96525	Hydraulic Hose, 1/2 x 432"
13	91217	Cable Tie, 7 3/8" Lg.
14	94037	Cable Tie, 15 1/2" Lg.

ITEM	PART NO.	DESCRIPTION (20' Model)
1	2265	Handle - Valve
2	9390-034	Capscrew, 5/16-18 x 2" Lg.
3	9404-019	Lockwasher, 5/16"
4	9864	Adapter
5	91144-116	Spiral Pin, 3/16" Dia. x 3/4" Lg.
6	91383	Male Coupler, 3/4-16
7	91511	Dust Cap
8	91604B	Hydraulic Motor
	91687	Seal Kit for Hydraulic Motor
9	9405-076	Flatwasher, 3/8"
10	93617	Cable Tie, 28" Lg.
11	95488	Hydraulic Control Valve
	96918	Seal Kit for Hydraulic Control Valve
12	96525	Hydraulic Hose, 1/2 x 432"
15	91306	O-Ring (Repairs Only)



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