



REAR MOUNT DRILL FILL

ALL MODELS

ASSEMBLY AND OPERATION MANUAL

ORIGINAL INSTRUCTIONS



Read this manual before using product. Failure to follow instructions and safety precautions can result in serious injury, death, or property damage. Keep manual for future reference.

Part Number:30265 R2

Revised: Jul/15



This product has been designed and constructed according to general engineering standards^a. Other local regulations may apply and must be followed by the operator. We strongly recommend that all personnel associated with this equipment be trained in the correct operational and safety procedures required for this product. Periodic reviews of this manual with all employees should be standard practice. For your convenience, we include this sign-off sheet so you can record your periodic reviews.

[illegible]

- a. Standards include organizations such as the American Society of Agricultural and Biological Engineers, American National Standards Institute, Canadian Standards Association, International Organization for Standardization, EN Standards, and/or others.



TABLE OF CONTENTS

1. Introduction	5
1.1. Intended Use	6
1.2. Misuse	6
2. Safety	7
2.1. Safety Alert Symbol and Signal Words	7
2.2. Basic Operator Safety, Responsibilities, & Qualifications	7
2.3. Overhead Power Lines	8
2.4. Rotating Flighting	8
2.5. Rotating Parts Safety	8
2.6. Transport and Placement Safety	8
2.7. Entrapment Hazard	9
2.8. Drives and Lockout/Tagout Safety	9
2.8.1. Hydraulic Drive Safety	9
2.9. Personal Protective Equipment (Required to be Worn)	10
2.10. Safety Equipment Required	10
2.11. Safety Decals	10
2.11.1. Decal Installation/Replacement	11
2.11.2. Safety Decal Locations and Details	11
3. Assembly	13
3.1. Assembly Safety	13
3.2. Before You Begin	13
3.3. Check Shipment	13
3.4. Components	14
3.5. Mounting Brackets	14
3.6. Drill Fill Assembly	15
3.7. Adjust Over-Center Lock	16
3.8. Flighting Adjustment	16
3.9. Solenoid Valve & Unload Spout	17
3.10. Electrical Hook-Up	17
3.11. Attaching Drill Fill To Truck Box	18
4. Transport	21
4.1. Transport Safety	21
5. Operation	23
5.1. Operating Safety	23
5.2. Pre-Operation Checklist	23



6. Maintenance & Storage	25
6.1. Maintenance Safety	25
6.2. Maintenance Procedures.....	25
6.2.1. Hydraulic Requirements	25
6.2.2. Broken Spring Replacement.....	25
6.3. Storage Safety	26
6.4. Storage / Removal of Drill Fill	26
7. Troubleshooting	27
8. Appendix	29
8.1. European Regulatory Compliance.....	29
Warranty	31

1. Introduction

Thank you for purchasing a Westfield Rear Mount Drill Fill. This equipment will allow safe and efficient operation when you read and follow all of the instructions contained in this manual. With proper care, your Rear Mount Drill Fill will provide you with many years of trouble-free operation.

Keep this manual handy for frequent reference and to review with new personnel. A sign-off form is provided on the inside front cover for your convenience. If any information in this manual is not understood or if you need additional information, please contact your local distributor or dealer for assistance.

This manual should be regarded as part of the equipment. Suppliers of both new and second-hand equipment are advised to retain documentary evidence that this manual was provided with the equipment.

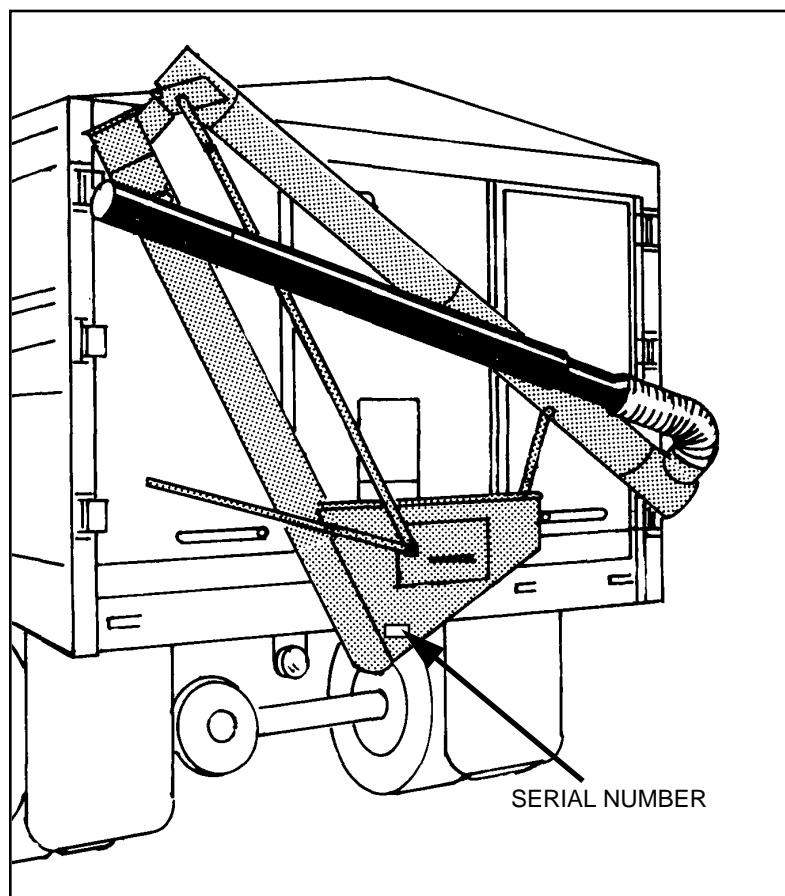


Figure 1.1 Serial Number Plate Location

Always give your dealer the serial number on your equipment (shown above) when ordering parts or requesting service or other information. Please record this information in the table below for easy reference.

Model Number	
Serial Number	
Date Received	

1.1. Intended Use

This equipment is designed solely for use in customary agricultural or similar operations. Use in any other way is considered as contrary to the intended use. Compliance with and strict adherence to the conditions of operation and maintenance as specified by the manufacturer, also constitute essential elements of the intended use.

This equipment should be operated, maintained, serviced, and repaired only by persons who are familiar with its particular characteristics and who are acquainted with the relevant safety procedures.

Accident prevention regulations and all other generally recognized regulations on safety and occupational medicine must be observed at all times.

Any modifications carried out to this equipment may relieve the manufacturer of liability for any resulting damage or injury.

1.2. Misuse

When operating or maintaining the drill fill, never:

- auger abrasive materials such as sand
- use the auger as a hoist

2. Safety

2.1. Safety Alert Symbol and Signal Words



This safety alert symbol indicates important safety messages in this manual. When you see this symbol, be alert to the possibility of injury or death, carefully read the message that follows, and inform others.

SIGNAL WORDS: Note the use of the signal words **DANGER**, **WARNING**, **CAUTION**, and **NOTICE** with the safety messages. The appropriate signal word for each message has been selected using the definitions below as a guideline.



DANGER Indicates an imminently hazardous situation that, if not avoided, will result in serious injury or death.



WARNING Indicates a hazardous situation that, if not avoided, could result in serious injury or death.



CAUTION Indicates a hazardous situation that, if not avoided, may result in minor or moderate injury.



NOTICE Indicates a potentially hazardous situation that, if not avoided, may result in property damage.

2.2. Basic Operator Safety, Responsibilities, & Qualifications



The safety information found throughout this complete Safety Section of the manual applies to all safety practices. Additional instructions specific to a certain safety practice (such as Operation Safety), can be found in the appropriate section.

YOU are responsible for the **SAFE** use and maintenance of your equipment. **YOU** must ensure that you and anyone else who is going to work around the equipment understands all procedures and related **SAFETY** information contained in this manual.

Remember, **YOU** are the key to safety. Good safety practices not only protect you, but also the people around you. Make these practices a working part of your safety program. All accidents can be avoided.

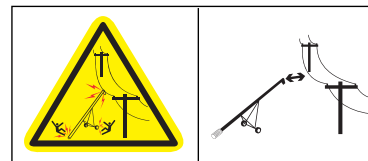
- It is the equipment owner, operator, and maintenance personnel's responsibility to read and understand **ALL** safety instructions, safety decals, and manuals and follow them when assembling, operating, or maintaining the equipment.
- Equipment owners must give instructions and review the information initially and annually with all personnel before allowing them to operate this product. Untrained users/operators expose themselves and bystanders to possible serious injury or death.
- This equipment is not intended to be used by children.
- Use this equipment for its intended purposes only.
- Do not modify the equipment in any way without written permission from the manufacturer. Unauthorized modification may impair the function and/or safety, and could affect the life of the equipment. Any unauthorized modification of the equipment will void the warranty.



2.3. Overhead Power Lines

DANGER

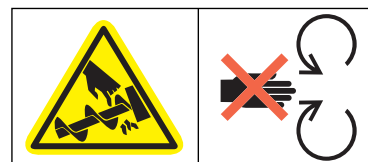
- When operating or moving, keep equipment away from overhead power lines and devices.
- This equipment is not insulated.
- Electrocutation can occur without direct contact.



2.4. Rotating Flighting

DANGER

- KEEP AWAY from rotating flighting.
- DO NOT remove or modify flighting guards, doors, or covers. Keep in good working order. Have replaced if damaged.
- DO NOT operate the equipment without all guards, doors, and covers in place.
- NEVER touch the flighting. Use a stick or other tool to remove an obstruction or clean out.
- Shut off and lock out power to adjust, service, or clean.



2.5. Rotating Parts Safety

WARNING

- Keep body, hair, and clothing away from rotating pulleys, belts, chains, and sprockets.
- Do not operate with any guard removed or modified. Keep guards in good working order.
- Shut off and remove key or lock out power source before inspecting or servicing machine.



2.6. Transport and Placement Safety

WARNING

- Empty auger tube before lowering into transport position.
- Never transport the Drill Fill with auger in working position. Before transporting, ensure the upper auger tube is seated on the upper tube support brace and hairpin is fastened to lock the auger into transport position.
- Lower upper tube section to transport position at completion of operation or when not in use.

2.7. Entrapment Hazard

WARNING

- Do not enter a truck box or grain wagon while unloading. Operator can be pulled into the downward flow of grain and if the grain pile is deep enough, fatal engulfment and suffocation can happen.

2.8. Drives and Lockout/Tagout Safety

Inspect the power source (drive) before using and know how to shut down in an emergency. Whenever you service or adjust your equipment, make sure you shut down your power source and follow lockout and tagout procedures to prevent inadvertent start-up and hazardous energy release. Know the procedure(s) that applies to your equipment from the following power sources. For example:

- De-energize, block, and dissipate all sources of hazardous energy.
- Lock out and tag out all forms of hazardous energy.
- Ensure that only 1 key exists for each assigned lock, and that you are the only one that holds that key.
- After verifying all energy sources are de-energized, service or maintenance may be performed.
- Ensure that all personnel are clear before turning on power to equipment.



For more information on occupational safety practices, contact your local health and safety organization.

2.8.1. Hydraulic Drive Safety

WARNING

Power Source

- Refer to the rules and regulations applicable to the power source operating your hydraulic drive.
- Do not connect or disconnect hydraulic lines while system is under pressure.
- Keep all hydraulic lines away from moving parts.
- Escaping hydraulic fluid under pressure will cause serious injury if it penetrates the skin surface (serious infection or toxic reaction can develop). See a doctor immediately if injured.
- Use metal or wood as a backstop when searching for hydraulic leaks and wear proper hand and eye protection.
- Check all hydraulic components are tight and in good condition. Replace any worn, cut, abraded, flattened, or crimped hoses.
- Clean the connections before connecting to equipment.
- Do not attempt any makeshift repairs to the hydraulic fittings or hoses with tape, clamps, or adhesive. The hydraulic system operates under extremely high pressure; such repairs will fail suddenly and create a hazardous and unsafe condition.



Lockout

- Always place all hydraulic controls in neutral and relieve system pressure before disconnecting or working on hydraulic system.

2.9. Personal Protective Equipment (Required to be Worn)

Ear Protection

- Wear ear protection to prevent hearing damage.



Rubber Gloves

- Wear rubber gloves to protect your hands from chemicals.



Steel-Toe Boots

- Wear steel-toe boots to protect feet from falling debris.



Safety Glasses

- Wear safety glasses at all times to protect eyes from debris.



Dust Mask

- A dust mask may be needed to prevent breathing potentially harmful dust.



Hard Hat

- Wear a hard hat to help protect your head.



Coveralls

- Wear coveralls to protect skin.



2.10. Safety Equipment Required

First-Aid Kit

- Have a properly-stocked first-aid kit available for use should the need arise, and know how to use it.



Fire Extinguisher

- Provide a fire extinguisher for use in case of an accident. Store in a highly visible and accessible place.



2.11. Safety Decals

- Keep safety decals clean and legible at all times.
- Replace safety decals that are missing or have become illegible. See decal location figures that follow.
- Replaced parts must display the same decal(s) as the original part.
- Replacement safety decals are available **free of charge** from your distributor, dealer, or factory.

2.11.1. Decal Installation/Replacement

1. Decal area must be clean and dry, with a temperature above 50°F (10°C).
2. Decide on the exact position before you remove the backing paper.
3. Align the decal over the specified area and carefully press the small portion with the exposed sticky backing in place.
4. Slowly peel back the remaining paper and carefully smooth the remaining portion of the decal in place.
5. Small air pockets can be pierced with a pin and smoothed out using the sign backing paper.

2.11.2. Safety Decal Locations and Details

Replicas of the safety decals that are attached to the equipment and their messages are shown in the figure(s) that follow. Safe operation of the equipment requires that you familiarize yourself with the various safety decals and the areas or particular functions that the decals apply to, as well as the safety precautions that must be taken to avoid serious injury, death, or damage.

* Westfield reserves the right to update safety decals without notice. Safety decals may not be exactly as shown.

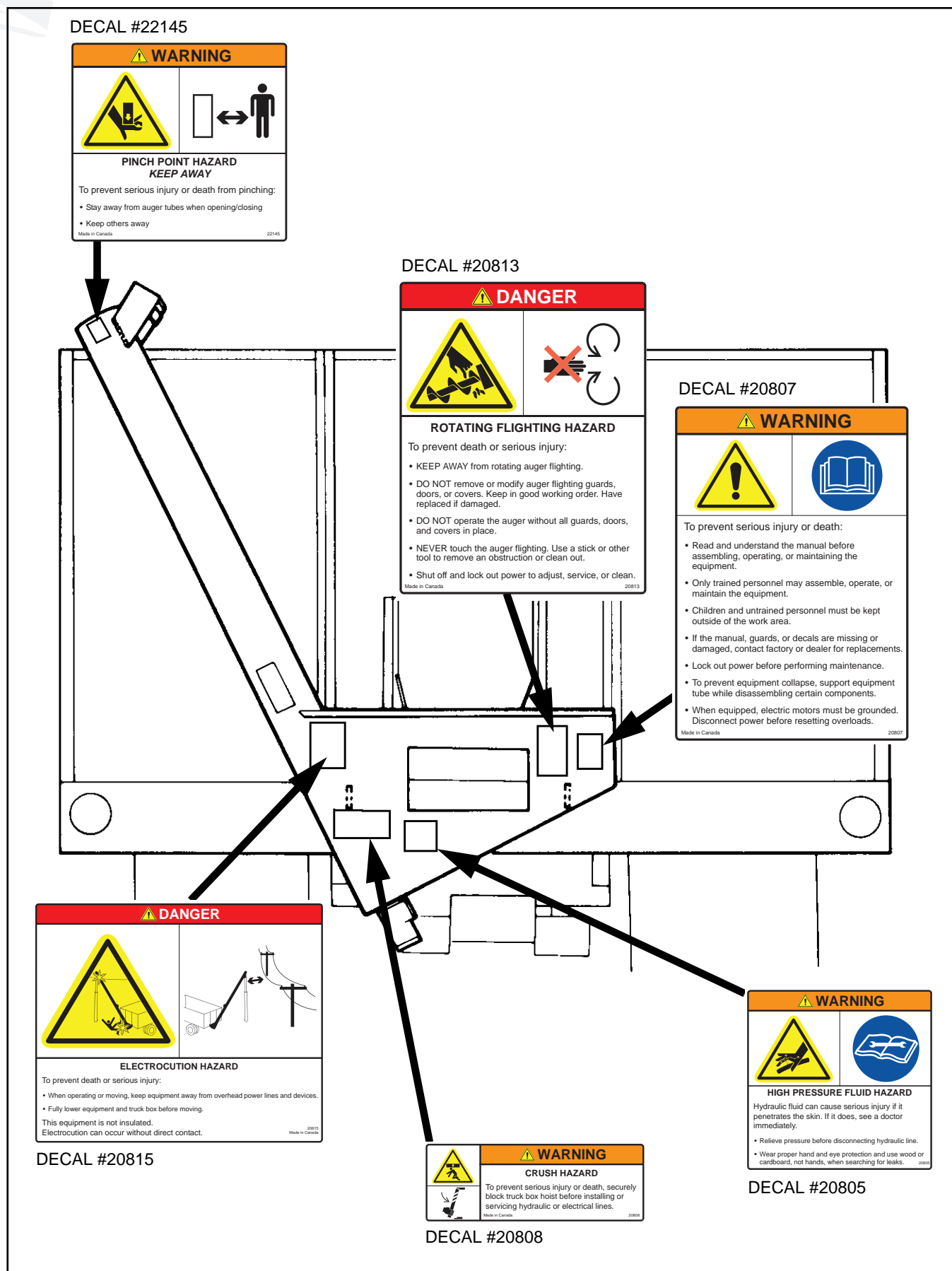


Figure 2.1 Safety Decal Locations

3. Assembly



Before continuing, ensure you have completely read and understood this manual's Safety chapter, in addition to the safety information in the section(s) below.

3.1. Assembly Safety

WARNING

- Do not take chances with safety. The components can be large, heavy, and hard to handle. Always use the proper tools, rated lifting equipment, and lifting points for the job.
- Always have two or more people assembling the equipment.
- Make sure you have sufficient lighting for the work area.
- Tighten all fasteners according to their specifications. Do not replace or substitute bolts, nuts, or other hardware that is of lesser quality than the hardware supplied by the manufacturer.

3.2. Before You Begin

- Perform assembly on a firm and level surface in an area large enough to allow access to all sides of the equipment.
- Before beginning assembly, familiarize yourself with all the sub-assemblies, components, and hardware that make up the equipment.
- Have all parts and components on hand, and arrange them for easy access.
- Separate the hardware (bolts, nuts, etc.) and lay them out into groups for easier identification during assembly.

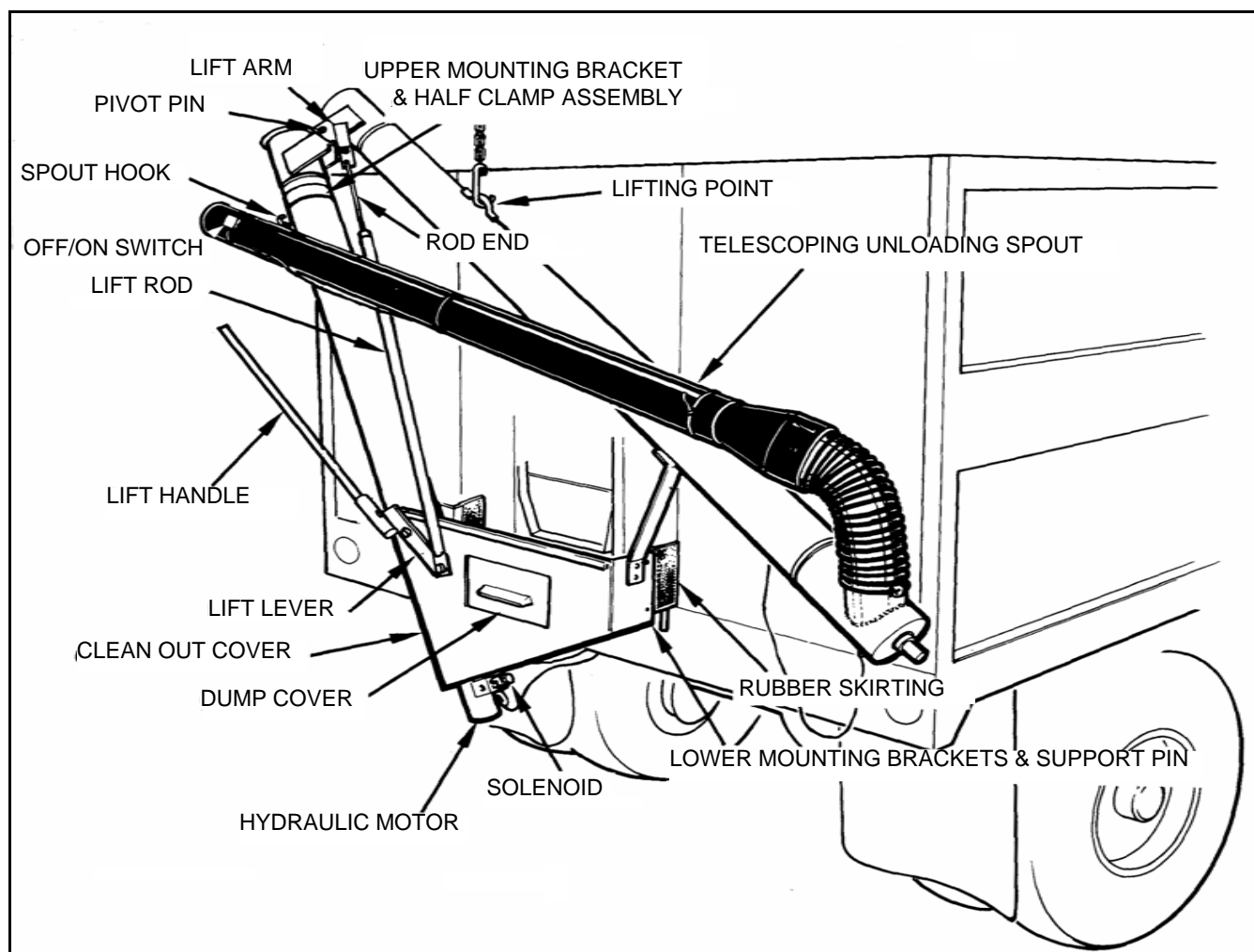
3.3. Check Shipment

Unload the parts at the assembly site and inspect them thoroughly while comparing the packing slip to the shipment. Ensure that all items have arrived and that none are damaged.

It is important to report missing or damaged parts immediately to ensure that proper credit is received from either the manufacturer or from your distributor/dealer, and to ensure that any missing parts can be shipped quickly to avoid delaying the assembly process.

Note: Do not attempt to assemble or install a damaged component.

3.4. Components



3.5. Mounting Brackets

Install mounting brackets prior to installing the drill fill.

1. Lift the hopper section of the drill fill and slide the lip of the hopper under center gate at rear of truck box. Tie or hold drill fill in place while marking mounting holes.
2. Insert long support pin through lower mounting brackets and welded tabs on back of drill fill hopper. Position mounting brackets on outside of tabs if you can, or as far apart as possible.

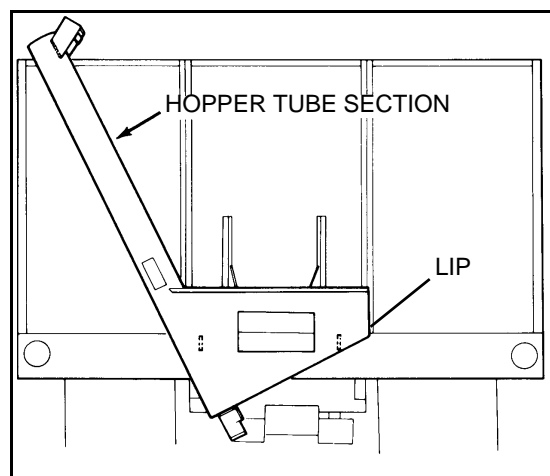


Figure 3.1 Hopper Tube Section

3. Mark the lower mounting bracket hole locations on the truck box.
4. Attach the 2 half clamps (with pin pointing down) to upper end of the hopper tube section with two 7/16" x 1" bolts and locknuts.
5. With the half-clamp assembly as high as possible on the tube, rotate clamps until the pin is in a vertical position. Tighten bolts.

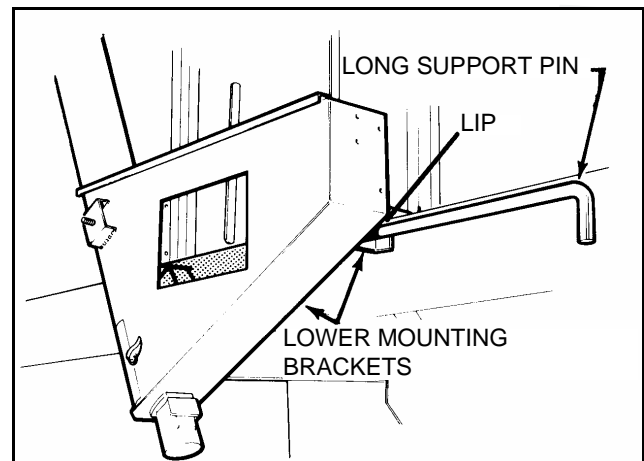


Figure 3.2 Lower Mounting Bracket Location

6. Slip upper mounting bracket on half clamp pin and mark the 2 holes.

Important:

The lower tube section of the drill fill must be parallel to the truck box end gate. Shim up the upper mounting bracket if necessary. You may need a longer bolt (not provided).

7. Remove hopper section from truck box and drill four 29/64" holes at the marked locations.
8. Secure the lower and upper mounting brackets to truck box with four 7/16" x 1" bolts and locknuts.

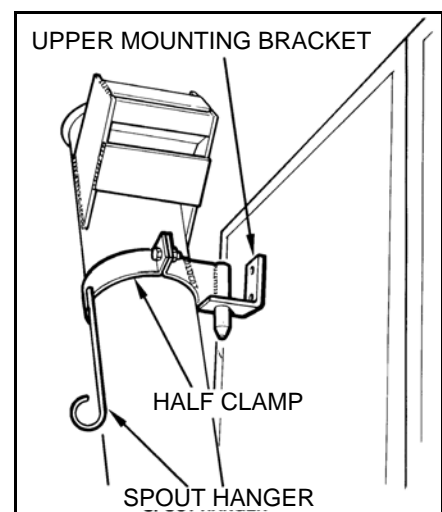


Figure 3.3 Upper Mounting Bracket Location

3.6. Drill Fill Assembly

1. On a level surface, lay upper tube next to lower tube (Figure 3.4).
2. Stack the 3 springs with large coil over spacer pipe and insert spring ends through end plate holes in upper pivot bracket.
3. Align pivot holes of upper and lower tube sections. Insert a 5/8" x 7-1/4" pin through pivot holes and through the spacer pipe. Secure with cotter pins.
4. Insert the other 5/8" pin through loop hole in lower tube pivot bracket and through loops on the 3 springs. Secure 5/8" pin with cotter pins.

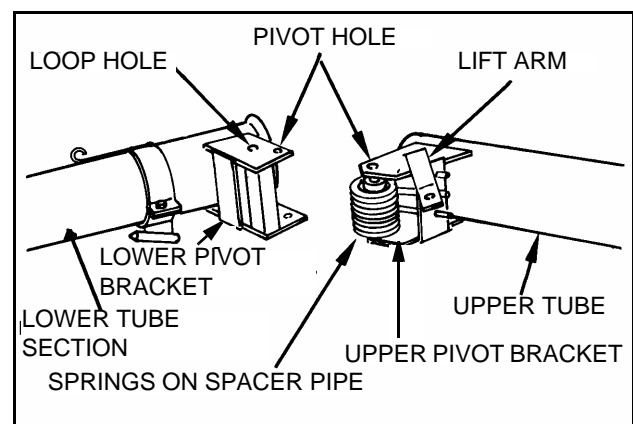


Figure 3.4 Springs on Spacer Pipe

Important:

This 5/8" pin must go through the loops on the springs.

5. Slip a 5/8" flat washer and the lift lever onto welded bolt on the hopper (Figure 3.5) and secure with a 5/8" locknut. Tighten snug only, as this acts as a pivot point.

6. Attach the lift rod to lift lever (Figure 3.5) with a 5/8" x 1-1/2" bolt and locknut. Tighten snug only; this bolt acts as a pivot point.
7. Thread a 5/8" jam nut onto the threaded rod end, then screw rod end into top threaded end of the lift rod.
8. Secure the upper support brace to hopper with two 3/8" x 1" bolts and whiz-nuts.

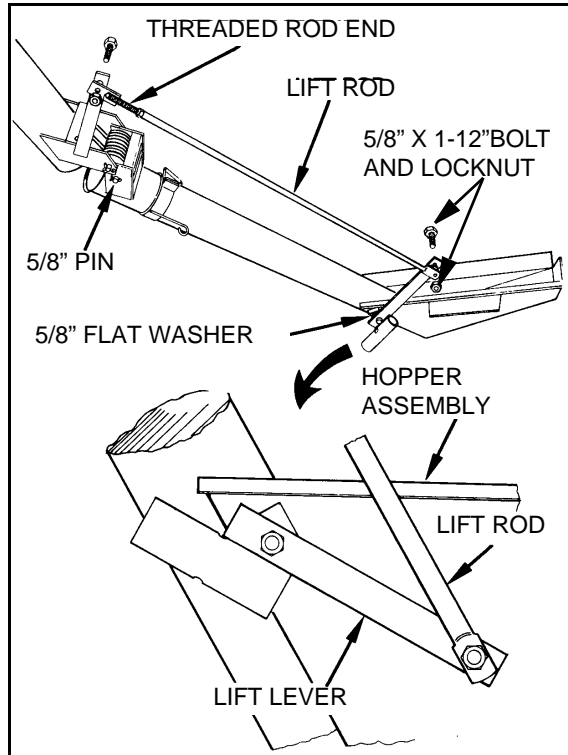


Figure 3.5 Threaded Rod End

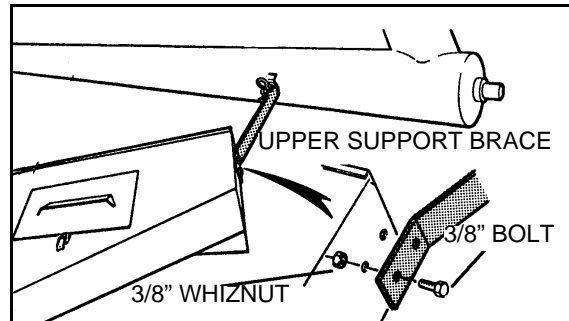


Figure 3.6 Upper Support Brace

3.7. Adjust Over-Center Lock

1. Pull upper tube into operating position.
2. Adjust threaded rod end and secure to lift rod on upper tube with a 5/8" x 1-1/2" bolt and locknut. Repeat this procedure until upper tube over-center locks into operating position with some tension on the lift handle.
3. After adjustment is complete, tighten the 5/8" jam nut on rod end. The 5/8" x 1-1/2" bolt and locknut should be tightened snug only, as this bolt acts as a pivot point.

3.8. Flighting Adjustment

1. With upper tube locked into operating position, remove the lock collar on top bearing.
2. Push upper flight down until it meets the lower flight. Reach into outlet spout on upper tube and rotate upper flight to ensure it is fully engaging with the lower flight.
3. Replace and secure lock collar on top bearing.

NOTICE To prevent damage to the auger:

When the drill fill is in operating position, the upper flight must fully engage with the lower flight.

4. Pull upper tube into transport position with pin fitting through upper tube support brace. Lock into place with a hairpin. Because of the spring tension, one person should hold hopper while another pulls and locks upper tube into transport position.

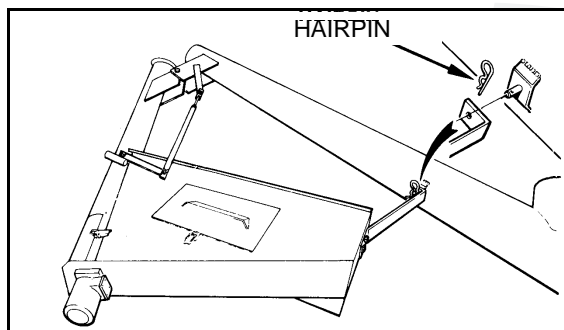


Figure 3.7 Hairpin

3.9. Solenoid Valve & Unload Spout

1. Remove protective cover plate from the hydraulic motor and discard.
2. Ensure the o-rings are properly seated in oil ports on hydraulic motor. Remove plastic hole covers from ports on solenoid.
3. Position solenoid with side marked "P" or "IN" over "Port A" on hydraulic motor and secure solenoid with four 5/16" x 2-3/4" bolts (Figure 3.8 and 3.9).

Important:

For correct rotation on the auger flight, connect the hydraulic input hose from truck to port marked "P" or "IN" on solenoid (Figure 3.9), and the hydraulic return hose to the port on opposite side of solenoid.

4. Slip flexible portion of the telescopic unload spout over auger outlet. Secure with 3 concave washers and 1/4" x 3/4" self-tapping screws.

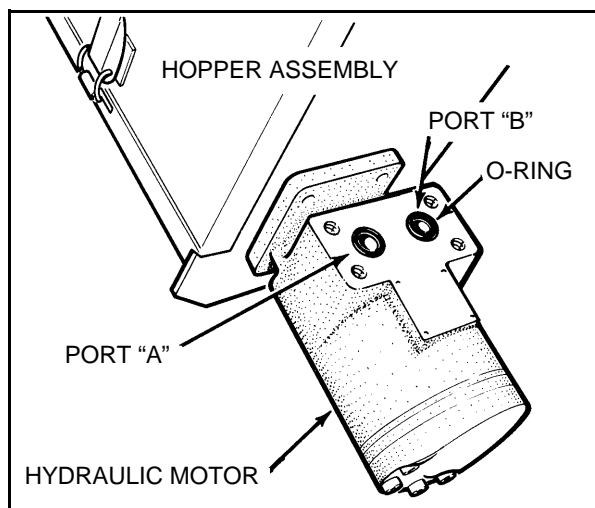


Figure 3.8 Hopper Assembly

3.10. Electrical Hook-Up

1. Connect either of the two wires on the solenoid to one of the wires on the wiring harness and cover the connection with electrical tape.

Important:

The other wire on solenoid is the ground wire. The solenoid must be properly grounded. See step 7. on page 19.

2. Leaving some slack at the solenoid, route the wiring harness up the back side of hopper and tube sections, outside the pivot brackets. Secure with 7 nylon ties (Figure 3.10)

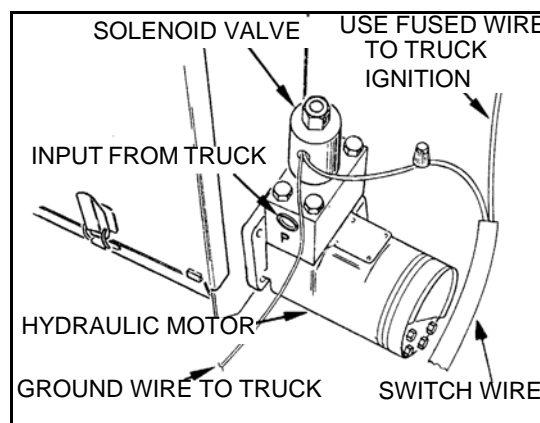


Figure 3.9 Motor Wires

NOTICE

Leave adequate slack in the wiring harness at the pivot point to ensure that wiring will not be damaged when upper tube is raised and lowered.



WARNING

Securely block truck box hoist if box is raised to install or service hydraulic or electrical lines to prevent unintentional lowering. Failure to heed will result in serious injury.

3. Mount OFF/ON switch to the pre-drilled holes near the telescopic unload spout handle with two 1/4" x 1/2" bolts and whiznuts (Figure 3.10).
4. Secure the wiring harness to telescopic unload spout with nylon ties (Figure 3.10).

Note: Leave some slack in the wiring harness at the flexible portion of unload spout with the spout fully extended.

5. Install dump cover and secure in place.
6. Loop the spout handle to welded hook on the clamp.

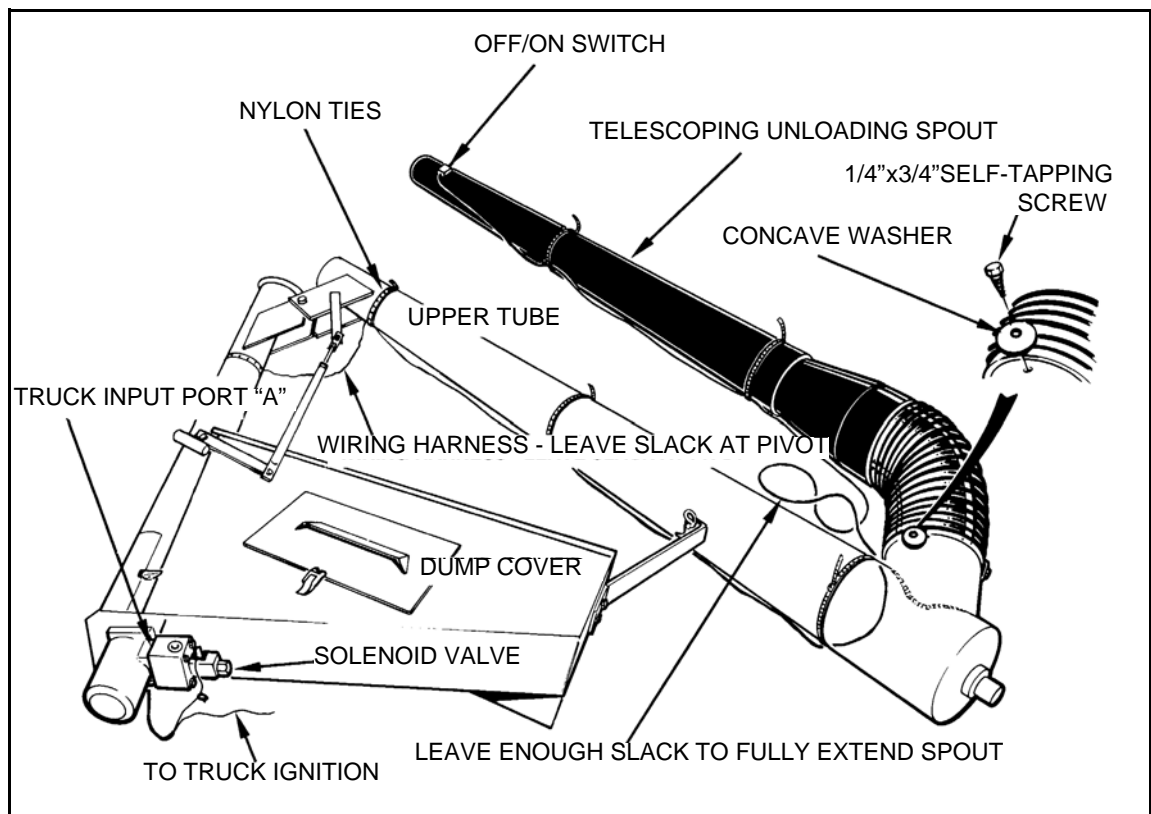


Figure 3.10 Switch

3.11. Attaching Drill Fill To Truck Box

The drill fill weighs about 220 lb [99.79 kg]. Although it can be lifted in place by hand, it is not recommended. A looped rod welded to the upper tube is the lifting point for the drill fill.

1. Fasten a chain at the lifting point and hoist drill fill into position.
2. Insert pin on tube clamp into upper mounting bracket, then secure hopper section to lower mounting bracket with the long support pin and install hairpin.
3. Install rubber skirting at each hopper end with 5/16" x 3/4" bolts and whiznuts. To ensure a snug fit, trim the skirting if necessary.

4. Install a 3/8" hydraulic pressure line from truck hydraulic system to port marked "P" or "IN" on the solenoid, and a 3/8" return line from opposite solenoid port to the return port on truck hydraulic system.

Note: The 3/8" hydraulic hose, pipe, couplers, and 3/8" - 18 NPTF male fittings to be supplied by customer.

5. **Optional:** Install quick couplers in the pressure and return lines at back of truck box or frame. This will reduce time needed to attach and remove drill fill. Protect hydraulic fittings from dirt and dust when disconnected.

Important: Use teflon tape or pipe stick (not supplied) on all hydraulic fittings except where o-rings are used.

6. Run a 4 amp fused power wire (not supplied) from truck ignition to the loose wire on wiring harness. Cover connection with electrical tape.
7. Connect a ground wire from truck frame to loose wire on solenoid. Make sure wire connecting areas are free of paint, oil and dirt.

Drill Fill MUST be grounded. Connect a ground wire from truck frame to loose wire on solenoid. Ensure wire connecting areas are free of paint, oil and dirt. Do not ground to truck box: grease on hinge pins may prevent grounding.

8. **Optional:** Install quick-connect electrical connectors on both the power and ground wires. This will reduce time needed to attach and remove the drill fill. Protect wire ends and connectors to prevent electrical shorting.

With drill fill mounted on truck, raise into operating position. Be aware of weight shift. Check that the over-center lock is properly adjusted. Also ensure that upper and lower flights engage fully.

Important: Use only genuine Westfield replacement parts or equivalent. Replacement parts must meet ASABE standards or serious injury may result. Use of unauthorized parts will void warranty. If in doubt, contact Westfield or your Westfield dealer. Do not modify any auger components.

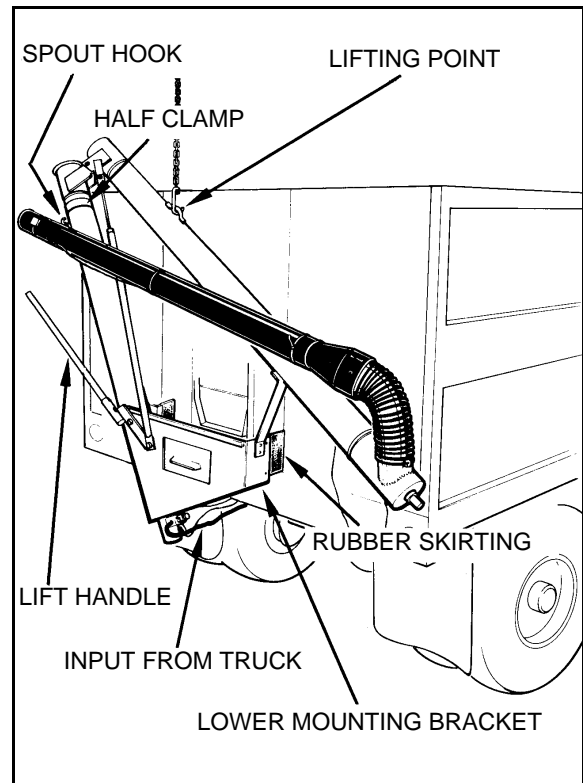


Figure 3.11 Lower Mounting Bracket

4. Transport



Before continuing, ensure you have completely read and understood this manual's Safety chapter, in addition to the safety information in the section(s) below.

4.1. Transport Safety

- Never transport the Drill Fill with auger in working position. Before transporting, ensure the upper auger tube is seated on the upper tube support brace and hairpin is fastened to lock the auger into transport position, refer to Figure 4.1.

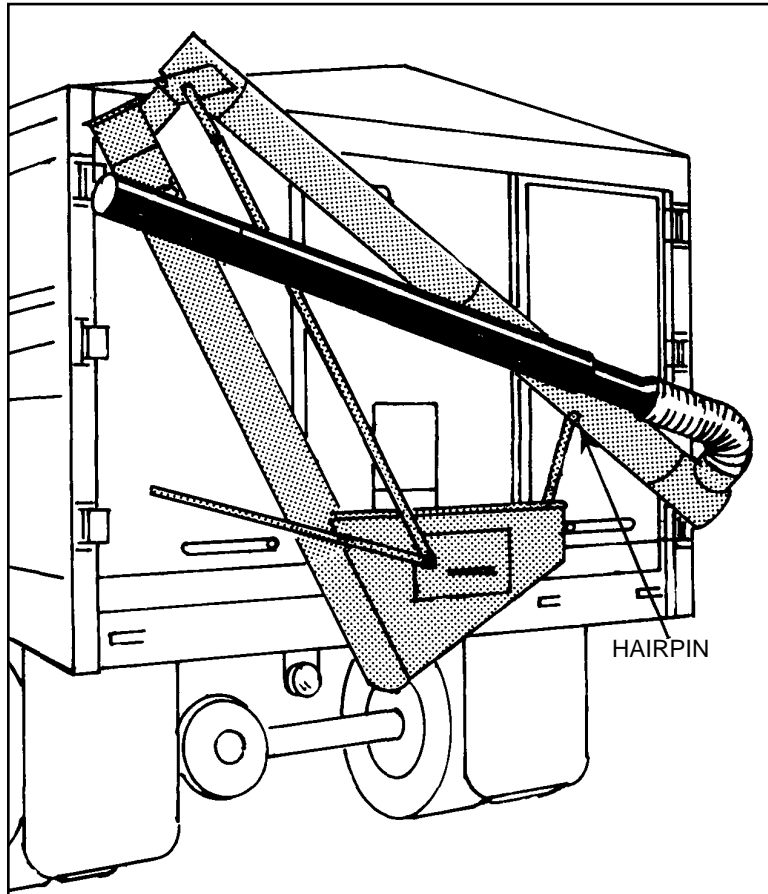


Figure 4.1 Hairpin Location

- Before raising/lowering upper tube section, make sure the area around the Drill Fill is clear of obstructions and/or untrained personnel. Never allow anyone to stand on or beneath auger while transporting or placing auger.



CAUTION When raising or lowering upper tube section, be aware of weight shift. Keep firm grip on lift handle.

5. Operation



Before continuing, ensure you have completely read and understood this manual's Safety chapter, in addition to the safety information in the section(s) below.

5.1. Operating Safety

WARNING

- Keep away from rotating auger flighting and moving parts, including drive components, shafts, and bearings.
- Always operate with guards, covers, and shields in place.
- Have another trained person nearby who can shut down the equipment in case of accident.
- The work area should be kept clear of bystanders.
- Place equipment on reasonably level ground before operating.
- Chock wheels after placement.
- Keep the work area clean and free of debris.
- Ensure maintenance has been performed and is up to date.



5.2. Pre-Operation Checklist

Before operating auger each time, the operator must confirm the following:

- All fasteners are secure as per assembly instructions.
- Hydraulic hoses are in good condition.
- Hydraulic connections are in place and secure.
- Cleanout cover is closed and secured with retaining pin, and dump cover is in place and secure.
- Tube alignment is reasonably straight.
- Intake area and discharge spout are free of obstructions.
- Proper maintenance has been performed.

Important: In order to maintain proper grain flow through the discharge spout, hold spout at no less than 45° to horizontal during operation. A more shallow angle could plug the downspout resulting in damage to the equipment.

WARNING

Do not allow tube to drop, it will result in damage to tube and serious personal injury. Keep firm on lift handle.

WARNING

Do not operate if clean-out door is open or removed.

To unload material from truck:

1. Drive close to seeding equipment.
2. Remove hairpin, raise, and over-center lock drill fill into operating position.
3. Slip handle onto opposite end of welded rod and secure with hairpin to prevent bending when raising truck box.
4. Switch on hydraulic power, raise truck box, and open end gate.

Important: On drill fill augers equipped with bristle flighting, reduce flow of material to hopper or plugging will occur.

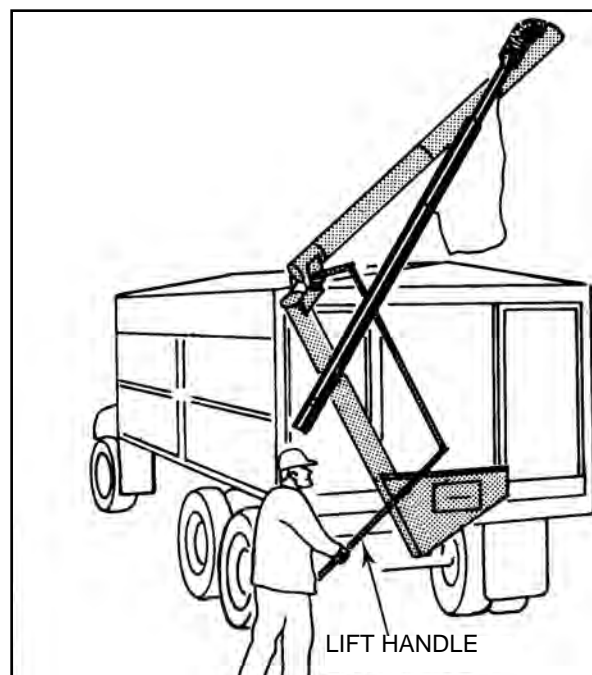


Figure 5.1 Lift Handle

5. Position telescopic unload spout and flick switch on.
6. Close truck end gate just before seeding equipment is full and empty drill fill of seed or fertilizer back into truck box. Shut off auger and open cleanout door to remove final excess material. Do not use hands to clean out, use a stick or other tool.
7. Upon completion, lower and lock drill fill in transport position.
8. After use with fertilizer, use pressurized water to wash out auger and hopper.

⚠ DANGER NEVER touch the auger flighting. Use a stick or other tool to remove an obstruction or clean out.

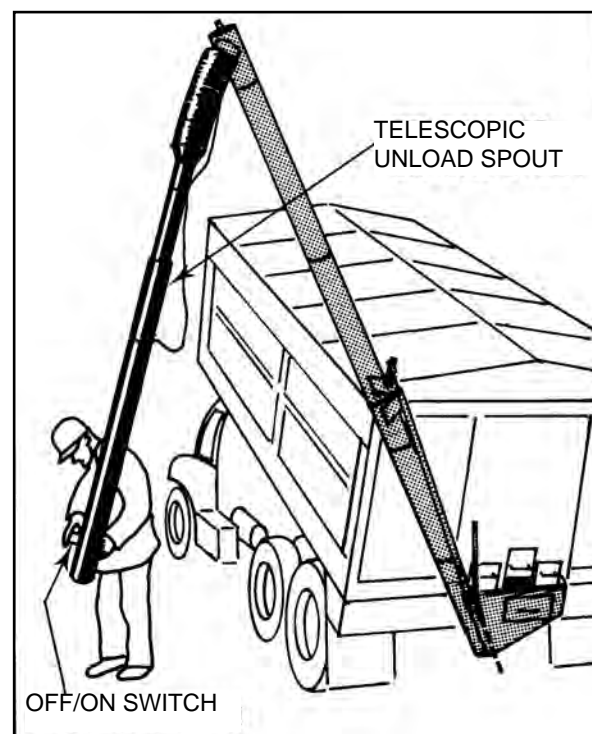


Figure 5.2 Unload Spout

6. Maintenance & Storage



Before continuing, ensure you have completely read and understood this manual's Safety chapter, in addition to the safety information in the section(s) below.

6.1. Maintenance Safety

WARNING

- Keep components in good condition. Follow the maintenance procedures.
- Do not modify any components without authorization from the manufacturer. Modification can be dangerous and result in serious injuries.
- After maintenance is complete, replace all guards, service doors, and/or covers.
- Use only genuine Westfield replacement parts or equivalent. Use of unauthorized parts will void warranty. If in doubt, contact the manufacturer or your local dealer.

Before attempting maintenance of any kind:

- Shut down and lock out power.
- Support tube if performing maintenance on the supports.



6.2. Maintenance Procedures

6.2.1. Hydraulic Requirements

The hydraulic motor requires a minimum of 8 gpm [30.28 l/m] and a maximum of 12 gpm [45.42 l/min] at 1400 psi [9.65MPa] to function properly.

Oil flow in excess of 12 gpm [45.42 l/min] will cause augers to creep when spout switch is shut off, and will required the installation of a flow control valve. See "Assembly" on page 13. for correct hook up of hydraulics.

6.2.2. Broken Spring Replacement

1. If it becomes necessary to replace springs, lock drill fill in transport position, remove from truck, and lay flat on the ground.
2. Place upper tube section halfway between the transport and operating positions. (See Section 3.6.)
3. With tension removed from springs, remove both 5/8" x 7-1/4" pins and separate upper and lower tube sections slightly. Remove broken springs.
4. Stack 3 good springs with large coil over spacer pipe and insert spring ends through end plate holes in upper pivot bracket (Section 3.6.).
5. Align pivot holes. Insert a 5/8" x 7-1/4" pin through pivot holes and through the spacer pipe. Secure with cotter pins.
6. Insert other 5/8" x 7-1/4" pin through loop hole in lower-tube pivot bracket and through loops on the 3 springs. Secure with cotter pins.
7. Pull upper tube into transport position and lock into place with hairpin.

6.3. Storage Safety

- Store the unit in an area away from human activity.
- Do not permit children to play on or around the stored equipment.

6.4. Storage / Removal of Drill Fill

Lock drill fill in transport position before removing from or attaching to truck box.

Note: To attach the drill fill, see Section 3.11.

1. Before removing drill fill, use pressurized water to thoroughly wash inside auger tube and hopper. Allow water to drain and dry.
2. Disconnect hydraulic and electrical lines. Place protective covers over connections.

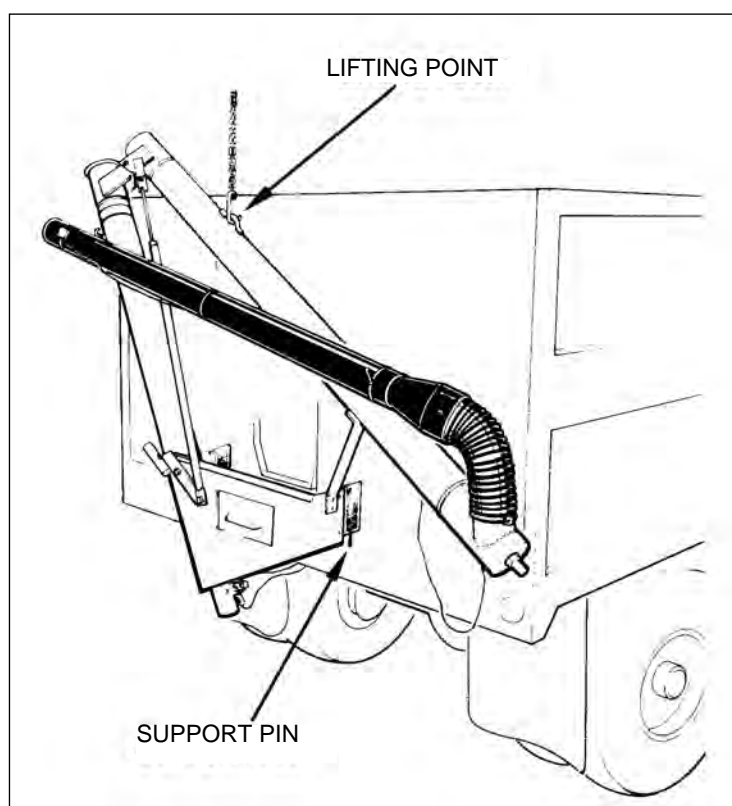


Figure 6.1 Support Pin Location

3. Using a suitable hoist, connect chain hook to lift point on upper tube.
4. Remove the long support pin at bottom of hopper. Swing bottom of drill fill away from truck box, then raise drill fill until welded pin on half clamp clears the upper mounting bracket.
5. Move drill fill away from truck and store in the flat position.

7. Troubleshooting



Before continuing, ensure you have completely read and understood this manual's Safety chapter, in addition to the safety information in the section(s) below.

This chapter covers possible causes and solutions to problems you may encounter. If you encounter a problem that is difficult to solve, even after having read this chapter, please contact your local Westfield dealer or distributor. Before contacting them, please have this operation manual and your machine's serial number handy.



WARNING Shut down and lock out all power sources before diagnosing any of the causes or attempting any of the solutions below.

Problem	Possible Cause	Remedy
Auger runs too slow.	Truck engine running too slow.	Increase engine speed.
	Truck pump not producing minimum required flow and pressure.	Check pump capacity.
	Hydraulic auger motor worn.	Repair or replace.
	Solenoid incorrectly installed.	Follow instructions as per manual.
	Hydraulic hoses too small.	Use minimum 3/8" hose.
Auger won't run.	Auger jammed.	Shut down and lock out power. Clear obstructions, ensuring unload spout is clear.
	Upper and lower flightings not meshing properly.	Check to see if flight engagement mechanism has been damaged. Adjust flighting as per manual.
	No hydraulic pressure to motor.	Check for correct attachment of hydraulic hoses and routing.
	No power to solenoid.	Check for burned fuse, poor ground to solenoid, or broken connections.
	Ports between hydraulic motor and solenoid blocked.	Remove solenoid and clear out obstructions.
	Solenoid mounted wrong.	Mount solenoid as per manual instructions.
Oil leaking at motor and solenoid connection.	Solenoid bolts loose.	Tighten bolts.
	O-rings damaged or not properly installed.	Remove solenoid and check that o-rings are correctly installed. Replace if damaged.
Auger creeps when spout switch is shut off.	Oil flow is too high.	Decrease oil flow to hydraulic motor with use of a flow control valve. Flow must not exceed 12 gallons per minute.
Solenoid won't function.	Poor ground.	Attach ground wire from solenoid to truck frame.
	Solenoid mounted incorrectly.	Mount solenoid as per manual instructions.

8. Appendix

8.1. European Regulatory Compliance

	EC Declaration of Conformity	
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PRODUCT DESCRIPTION: Drill Fill

APPLICABLE EUROPEAN DIRECTIVES AND STANDARDS:

Applicable Directives	Applicable Standards	Essential Requirements Applied and Fulfilled
Machinery Directive 2006/42/EC	EN 12100, EN 618, EN 953,	Refer to Technical File

OTHER APPLICABLE STANDARDS: ISO 11684, ISO 3600, ASAE S361.3

NOTIFIED BODY - Not Applicable

The product described in this Declaration of Conformity complies with the Applicable European Directives and relevant sections of the Applicable International Standards. A Technical Construction File is available for inspection by designated bodies.

WARRANTY

Westfield Industries Ltd. warrants products of its manufacture against defects in materials or workmanship under normal and reasonable use for a period of one year after date of delivery to the original purchaser.

Our obligation under this warranty is limited to repairing, replacing, or refunding defective part or parts which shall be returned to a distributor or a dealer of our Company, or to our factory, with transportation charges prepaid. This warranty does not obligate Westfield Industries Ltd. to bear the cost of labor in replacing defective parts. Any defects must be reported to the Company before the end of the one year period.

This warranty shall not apply to equipment which has been altered, improperly assembled, improperly maintained, or improperly repaired so as to adversely affect its performance. Westfield Industries Ltd. makes no express warranty of any character with respect to parts not of its manufacture.

The foregoing is in lieu of all other warranties, expressed or implied, including any warranties that extend beyond the description of the product, and the IMPLIED WARRANTY of MERCHANTABILITY is expressly excluded.

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