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TO YOU, THE OWNER

Your Dalton Ag Equipment is the most modern, up-to-date, versatile, machine available for fertilizer application. The machine is the result of many years of experience, research, development and testing of equipment for fertilizer application. It is soundly engineered and carefully built to rigid specifications. It is of rugged and simple construction, with a minimum of moving parts.

However, to obtain maximum performance from your Dalton Ag Equipment, it is necessary to follow the instructions and safety suggestions in this manual. Each section has been carefully prepared for the purpose of providing needed and valuable information to the owner and operator. Each operator of this unit should be familiar with the contents of this manual. Keep it in a safe and convenient location. THERE ARE MANY SAFETY SUGGESTIONS (CAUTION AREAS) PRINTED THROUGHOUT THIS MANUAL. CAREFULLY READ THEM ALL BEFORE OPERATING THIS UNIT.

DESIGN IMPROVEMENTS

Dalton Ag Products follows a policy of continuous products improvement. We therefore reserve the right to make design improvements, and changes in specifications and prices, without incurring obligations to make revisions or additions to equipment previously sold.

REGISTER
WARRANTY
ONE OF
FOUR WAYS

- Register on-line at: www.daltonag.com
- Fax your completed warranty registration form to: 641-333-4429
- Email your completed warranty registration form to: office@daltonag.com
- Mail your completed warranty registration form to: Dalton Ag, Inc.
  P.O. Box 70
  Lenox, IA 50851
LIMITED WARRANTY STATEMENT
DALTON AG, INC. warrants to the original purchaser only that all products manufactured under the Dalton Ag and Mobility Brands will be free from defects in material and workmanship under normal use and service.

DALTON AG’s obligation under this warranty is limited to repairing or replacing, as it may elect, free of charge and without charge for installation, at the place of business of a dealer or distributor authorized to handle the equipment covered by this warranty or at a DALTON AG facility, any parts that prove, in DALTON AG’s judgment, to be defective in material or workmanship within two (2) years after delivery to the original purchaser. DALTON AG shall not be liable for personal injuries or any special or consequential damages of any kind, either direct or indirect. This warranty is subject to acts of God, fire and existing conditions of supply and demand, production, ability or inability to deliver, or for any other valid reason beyond the reasonable control of DALTON AG. No distributor, dealer, agent or DALTON AG employee (other than DALTON's President in writing) is authorized to extend or make any other or further express or implied warranty or incur any additional obligation on DALTON AG’s behalf in connection with the sale of this product.

Customer Responsibility

Product Registration - It is a condition of this warranty that the original purchaser fill out the warranty card furnished by DALTON AG and return it to DALTON AG to be recorded in DALTON AG’s owner file. Registration may also be done on line at www.DaltonAg.com/warrantyregistration. If the original purchaser’s card or electronic registration is not on file at DALTON AG’s office, the warranty period will extend only from date equipment was picked up or shipped from the DALTON AG plant.

Maintenance - It is the customer’s responsibility to maintain their equipment in accordance with the instructions provided in the Operator’s Manual. DALTON AG recommends that you keep records and receipts as the customer may be required to verify the maintenance instructions have been followed.

Operation – It is the customer’s responsibility to operate the equipment only for the purpose for which it was designed and in accordance with all safety and operational recommendations contained in the Operator's Manual. If a defect in materials or workmanship occurs, it is the customer’s responsibility to cease operating the equipment until authorized repairs are made. Damage incurred from continued operation after a defect is discovered may not be covered by this warranty.

What this Warranty Covers
This warranty covers failures caused by defects in materials or workmanship only.

This Warranty does not cover failures caused by:
- Improper operation
- Natural calamities
- Unauthorized modifications
- Improper use
- Use of Non DALTON AG parts
- Neglected maintenance
- Usage contrary to the intended purpose of the product

This Warranty does not cover replacement of Wear or Maintenance Items including, but not limited to:
- Lubricants
- Hoses
- Disks
- Idlers
- Belts
- Filters
- Tires
- Chains
- Blades
- Bearings

This Warranty does not cover:
Pickup and delivery of the equipment
Service Calls or Travel Time to and from sites
Rental of replacement equipment during repair period
Products that have been declared a total loss and subsequently salvaged
Overtime labor charges

Parts Warranty
DALTON AG warrants its replacement parts against defects in materials or workmanship for a period of 90 days or the remainder of the product warranty, whichever is longer under the terms set out above. Remedy for defective replacement parts for units that are beyond the original product warranty, will be limited to replacement of the failed part.

DaltonAg.com       602 E. Van Buren    Lenox, Iowa 50851       PHONE: 800.342.7498
                    FAX:  641.569.7033
NEW MACHINE CHECKOUT

1. All hardware properly tightened.
2. Lubrication of grease fittings.
3. Wheel bolts tightened to proper specs.
4. Check hydraulic hoses and fittings.

MAINTENANCE

1. Visually inspect machine daily.
2. Repair or replace any worn or damaged parts.

LUBRICATION SCHEDULE

Careful observance of the following lubrication schedule is the best preventative maintenance program for your Dalton Ag Equipment. We recommend that you establish a firm program to insure lubrication in strict compliance with the following schedule. Use only good grade pressure gun type grease unless otherwise specified.

Daily Lubrication

Hinge points

Weekly Lubrication

Wheel bearings
Coulters

Annual Lubrication

Check all bearings - repack or replace as needed
IMPLEMENT SAFETY

In addition to design and configuration of equipment, safety and accident prevention are dependent upon the awareness, concern, and proper training of personnel involved in the operation, transport, maintenance, and storage of equipment. Failing to follow these safety messages can result in machine damage, personal injury, and/or death.

• Before operating your DALTON AG equipment, thoroughly read and understand your operator’s manual. If you do not understand any portion of the operator’s manual, contact your local Dalton Ag dealer immediately for clarification.

• Furnish this manual to a new operator.

• Tow with tractor only. Never transport equipment in excess of 20 MPH. Maintain a safe speed.

• Use a Slow-Moving-Vehicle (SMV) emblem when transporting.

• Be sure safety decals are readable. All safety related decals must be replaced if the equipment is painted or the decals are otherwise rendered unreadable.

• Install transport link before transporting.

• Always check for overhead obstacles in transporting equipment and before folding or unfolding the wings of the unit.

• Never permit riders on the equipment or tractor.

• Proceed slowly on rough or slippery roadways, on side hills, and around curves to avoid tipping.

• Reduce speed when approaching ditches and corners. Do not make sharp turns with brakes.

• Machinery should be operated only by persons familiar to the tractor, equipment, and the safety related items.

• Do not stand on, or straddle tongue when un hitching.

• Do not modify or permit anyone to modify this equipment and any of its components without first consulting your Dalton Ag dealer.

• Do not lubricate, adjust, or repair when equipment is in motion.

• Use only approved replacement parts.

• To prevent serious injury from high pressure fluid, NEVER attempt to inspect, service, or disassemble any part of the hydraulic system until all pressure is relieved by lowering the toolbar to the ground (or secure with cylinder transport stops provided).

• High-pressure fluid is nearly invisible but has enough force to penetrate the skin. Never use the hands to search out a suspected leak. If injured by escaping fluid, obtain medical attention at once to minimize chance of infection. Wear safety glasses or goggles to avoid eye injury when working on the hydraulic system.

• Always check torque on wheel bolts before transporting.
PRE-SEASON CHECK

1. Carefully review the safety suggestions in this manual.

2. Check all bolts for proper tightness. When the implement is new, check after one hour and every few hours of operation.

3. Replace ground tools that are severely worn, broken or damaged.

4. Check tires for proper inflation. All tires should be inflated equally to avoid side draft.

5. Check the wheel lug bolts daily, keep wheel bolts tight.

6. Grease all fittings.

7. Inspect, repack, or replace (if necessary) wheel bearings and seals.

8. Check hoses, hose routing and hydraulic cylinders. Any indication of leakage or fraying of hoses should be corrected.

OFF-SEASON STORAGE

Following these suggestions will extend service life and satisfaction:

1. A little time and effort spent cleaning your machine before storing will repay in longer service, easier operation and higher resale value.

2. Inspect for worn or damaged parts. Replace, if required, and avoid delays the next season.

3. Repaint all areas where the original paint is worn off.

4. Lubricate your implement.

5. Grease all exposed metal surfaces of ground tools.

6. Store the unit inside a shed to protect from weather and on a level area with wings down. The ground working parts should rest on boards.

7. Disconnect the rod end of the lift cylinders and retract the rod into the cylinder to prevent the cylinder rod from rusting.

8. Cap or plug all hydraulic oil lines, if the cylinders are removed. This is to prevent any contaminants from entering the hydraulic system.

9. Raise tires off ground or remove and store in cool dry location out of sunlight.
**IMPORTANT**: Over tightening hardware can be as damaging as under tightening. Tightening beyond recommended torque will reduce the fastener’s shock load capacity.

**WARNING**: Never work around any raised implement while in the raised position without using safety lockups.

### BOLT TORQUE CHART

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<th>SIZE</th>
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*ITEMS WITH * = INCH POUNDS
**ALL OTHERS = FOOT POUNDS**
Anhydrous ammonia (NH₃) is a nitrogen crop fertilizer that can cause severe chemical burns; frostbite to the eyes, skin, and respiratory tract; and death. It is important for all individuals working with this type of fertilizer to understand the potential risks, necessary safety precautions, and proper response in the event of accidental contact.

Anhydrous ammonia is a hygroscopic compound, meaning that it takes up water from the nearest source, which can include the human body—especially the eyes, lungs, and skin because of their high moisture content. Anhydrous ammonia is caustic, corrosive, and damaging to tissue high in moisture content when it contacts the human body. Anhydrous ammonia inhalation incidents are typically severe because the victim's throat can swell shut, causing suffocation. When vapors or liquid come in contact with a person's eyes, blindness may occur.

Typically, anhydrous ammonia is stored under pressure, but it vaporizes to a colorless gas. It has a unique odor that can be detected at a low concentration of 5 ppm. The concentration in fertilizer is approximately 1,000,000 ppm, but even brief exposure to a concentration of 2,500 to 6,500 ppm can result in death.

Anhydrous ammonia is transported under pressure as a liquid, so all equipment used for transport must be designed for use under high pressure to avoid ruptures or breaks. Incidents can occur when anhydrous ammonia escapes from transfer hoses or valves, equipment malfunctions and sprays anhydrous ammonia in multiple directions, hoses pull apart during transportation or application, and so on.

**PPE and Supplies**

It is essential that all workers who use anhydrous ammonia wear the appropriate personal protective equipment (PPE), be equipped with necessary response supplies, and know how to respond in an emergency. PPE should include ventless goggles or a full-face shield, rubber gloves with long cuffs that can be rolled to catch drips, and a long-sleeved shirt. Non-rubber gloves made of ammonia-proof material are acceptable. Because contact lenses can trap the gas and become fused to the eye, it is recommended that individuals not wear contact lenses while working with anhydrous ammonia.

In the event of an exposure emergency, the most important resource is an ample supply of clean water to begin flushing the eyes and skin. If you use a vehicle to transport anhydrous ammonia, you must carry a 5 gal. container of clean water. Each person working with anhydrous ammonia should carry a 6 to 8 fl. oz. squeeze bottle of water at all times for rapid response to an emergency.
Basic First Aid for Anhydrous Ammonia Exposure

The first-response treatment for anhydrous ammonia exposure is to flush the exposed area (skin, nose, throat, eyes, and so on) with clean water for a minimum of 15 minutes.

- Flush the exposed area immediately to decrease injury caused by the anhydrous ammonia coming in contact with skin or clothes. Although clean water is the ideal resource for flushing exposed areas of the body, if you do not have water available, other nontoxic liquids, such as cold coffee or orange juice, can be used.
- Remove contaminated clothing unless the clothing is frozen to the victim's skin.
- Seek medical attention immediately and inform medical staff of the exposure to anhydrous ammonia so that they will not treat the wounds with oils or ointments that can intensify the damage.

If you find a person who is in a continuous stream of anhydrous ammonia, contact your local emergency service responders or 911. Inform the emergency medical responders about the type of incident so they can bring the proper equipment to the scene. A self-contained breathing apparatus (SCBA) and protective clothing are necessary to remove a person from a continuous stream. Rescue workers will contact a hazardous materials (HAZMAT) disposal team if HAZMAT services are needed at the scene.

Note that these guidelines are not comprehensive, and all individuals working with anhydrous ammonia should receive training in the proper response to exposure emergencies.

Storage and Transportation

Anhydrous ammonia is a strong alkali that, when dissolved in water, readily reacts with copper, zinc, brass, and other alloys. Therefore, the only types of containers, fittings, and piping that should come in contact with anhydrous ammonia should be non-galvanized steel or iron. Do not store other materials, such as propane or liquefied petroleum gas, in a tank that has been used to store anhydrous ammonia.

When filling your anhydrous ammonia tank, do not fill it more than 85% full, and always disconnect the fill hose before moving the tank. Remember to bleed pressurized anhydrous ammonia from the hose before connecting or disconnecting the hose.

When transporting anhydrous ammonia, be sure to adhere to the following precautions and safety rules:

- **Running Gear:** Regularly inspect the wagon’s frame tongue, reach poles, anchor devices, wheel bearings, knuckles, ball joints, and pins for structural damage and wear and make necessary repairs and adjustments.

- **Tires:** Check tires for proper inflation, bald spots, and signs of wear and ensure that lug nuts are tight.

- **Hoses and Valves:** Inspect and replace hoses and valves as needed.
  - The hydrostatic relief valve should be replaced every five years.
  - The transfer hose should be replaced five years from the date of manufacture.
• **Lubrication**: Annually lubricate the wagon’s knuckle, wheels, tongues, and so on.

• **Towing Vehicle**: To increase the driver’s ability to control the towing vehicle, ensure that the towing vehicle weighs at least as much as the tank.
  
  o A tractor can tow two tanks, but a truck can tow only one tank at a time.

• **Speed Limit**: When towing an anhydrous ammonia tank, observe a speed limit of 25 mph.

• **Hitch Pin**: Use a hitch pin with a safety chain when towing a tank wagon.

• **Warning Lights**: Ensure that the tank is equipped with a seven-terminal breakaway connector plug to properly operate turn signals, flashing warning lights, and a red brake light.

• **Safety Signage**: If operating on a highway, outfit the tank with all required safety markings, including a slow-moving vehicle (SMV) sign.
  
  o The words *Anhydrous Ammonia* must appear on both sides of the tank and on the rear of the tank in letters 4 in. high. The words should be in contrast to the tank so that they can be read easily.
  
  o *Inhalation Hazard* must appear on both sides of the tank in letters 3 in. high.
  
  o A Department of Transportation (DOT) placard number 1005 for nonflammable gas should be placed on the front, back, and sides of the tank.

**Additional Safety Recommendations**

• Paint the tank with reflective white paint to decrease excessive pressure buildup that can occur when the tank is heated from direct sunlight.

• Do not use dented or damaged tanks until they have been checked by an authorized inspector and necessary repairs are completed.

• Allow only certified welders to perform welding on the tank.

• Regulations and codes regarding towing of anhydrous ammonia and signage may vary, so be familiar with and obey the regulations in your state.
FIRST AID

Decontaminate the victim as quickly as possible. Start with the eyes. The whole body, or exposed area, must be flushed with generous amounts of water; this includes the hair, ears, under the chin, and armpits. Water sources such as showers, hoses, eye wash stations, or stock tanks are acceptable [29 CFR 1910.151(c)]

Ensure trained personnel and adequate first aid supplies are readily available [29 CFR 1910.151(b)]

**Contact with the Eyes**

Even if only a small amount of ammonia enters the eyes, irrigate the eyes with an abundance of water for a minimum of 15 minutes. Continually and thoroughly flush the entire eye surface and the inner lining of the eyelids. Eyes affected by ammonia close involuntarily, so the eyelids must be held open so that water can flush the entire eye surface, as well as the inner lining of the eyelid.

If there is no physician available, continue irrigation for an additional 15 minutes.

Do not wear contact lenses when handling anhydrous ammonia. If ammonia gets in the eyes, the ammonia will get trapped under the lenses causing even more damage. They may also prevent immediate flushing of the eye surface.

Serious eye injury should be treated by an ophthalmologist, but in an emergency, wash with large quantities of water for 15 minutes or more as quickly as possible. In fact, the only real hope for preventing permanent eye injury lies in quick and generous washing.

One suggestion for those likely to be exposed is to carry a small, eight-ounce squeezable squirt bottle filled with water, which can be used to get excess ammonia out of the eyes until a larger water supply can be reached. This small amount of water is not sufficient to remove all the ammonia. It is essential that the eyes be irrigated for a minimum of 15 minutes as soon as possible.

Another emergency method is to duck the head in water and rapidly blink and move or rotate the eyes about.

**Contact with the Skin**

It is essential that any ammonia spilled on the worker be removed immediately and that the worker be moved to an uncontaminated area quickly.

Clothes that have been saturated by liquid ammonia may freeze to the skin. In any case, the victim, still clothed, should get immediately under a shower, if available, or jump into a stock tank, pond, or into any other source of water. Time is important! Remove clothes only after they are thawed and they can be freely removed from frozen areas. If the clothing is removed incorrectly, whole sections of skin can be torn off.
No salves, creams, ointments, or jellies should be applied to the skin during a 24-hour period following the injury since this will prevent natural elimination of the ammonia from the skin. After the 24 hour period, the medical treatment is the same for thermal burns. A physician should view any second- or third-degree freeze burns of the skin.

**Taken Internally:** This is what you should do if ammonia is ingested:

- Call a physician.
- If conscious, have the victim drink large amounts of water.
- Do not induce vomiting if the victim is in shock, in extreme pain, or is unconscious.
- If vomiting begins, place the victims face down with head lower than hips. This prevents vomit from entering the lungs and prevents severe injury.

**Inhalation**

In all inhalation exposures, severe or minimal:

- Take the exposed workers at once to a clean, uncontaminated area.
- Watch workers exposed to low concentrations for a short period of time. They will usually require no treatment and can be released.
- For severe exposure to higher concentrations:
  
  Call a physician.

  Administer oxygen by an individual who is trained and authorized to do so by a physician. This will help relieve pain and symptoms of lack of oxygen.

  Begin artificial respiration immediately if the patient is not breathing.

  Keep victim warm (but not hot) and rested until transported to the hospital.

**Summary:** In any accident involving contact with ammonia with the eyes or skin:

- Immediately flush the affected area with large quantities of clean water.
- Place the injured person into a container of clean water or under an emergency shower.
- Provide the injured worker with first aid treatment and call a physician at once in the case of extreme exposure. Give the physician a complete account of the incident.
- Seconds count, wash the ammonia away with water immediately.

*Information from U.S. Department of Labor - OSHA*

https://www.osha.gov/SLTC/etools/ammonia_refrigeration/emergency/index.html#firstaid
OPERATING AND INSTALLATION INSTRUCTIONS FOR THE A-HFC-114 HIGH FLOW TOOL BAR COUPLING

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- New installation instruction page 3-5
- Retro fit installation instructions page 5-7
- Reconnection instructions page 7-9
- Disconnection instructions page 9
- Maintenance instructions page 9-10

CAUTION  DANGER

ALWAYS FOLLOW MANUFACTURES INSTRUCTIONS WHEN INSTALLING, DISCONNECTING OR RECONNECTING THE QUICK COUPLING. FAILURE TO DO SO MAY CAUSE BODILY INJURY.

ALWAYS FOLLOW STEPS 1-3 BELOW BEFORE PERFORMING MAINTENANCE, INSTALLATION, RECONNECTING OR DISCONNECTING THE QUICK COUPLING

1. ALWAYS WEAR GOGGLES AND GLOVES AND HAVE EMERGENCY WATER AVAILABLE.
2. CLOSE ALL VALVES.
3. OPEN ALL BLEED VALVES AND DRAIN ALL OF THE AMMONIA FROM THE HOSES ATTACHED TO THE TANK AND THE APPLICATOR. ALWAYS BE CAREFUL WHEN OPENING A BLEED VALVE TO MAKE SURE THE OUTLET IS POINTING IN A SAFE DIRECTION AND AWAY FROM YOU OR ANYONE ELSE. DO NOT PROCEED UNTIL YOU HAVE MADE SURE ALL OF THE AMMONIA HAS BEEN DRAINED FROM ALL OF THE HOSES.

CAUTION  DANGER

PLEASE READ THIS ENTIRE MANUAL AND FOLLOW THE INSTRUCTIONS CAREFULLY. FAILURE TO READ AND FOLLOW ALL OF THE INSTRUCTIONS AND WARNINGS IN THIS MANUAL MIGHT RESULT IN A DANGEROUS RELEASE OF ANYDROUS AMMONIA AND CAUSE SERIOUS BODILY INJURY.
NEW INSTALLATION INSTRUCTIONS

1. ALWAYS WEAR GOGGLES AND GLOVES AND HAVE EMERGENCY WATER AVAILABLE.
2. CLOSE ALL VALVES.
3. OPEN ALL BLEED VALVES AND DRAIN ALL OF THE AMMONIA FROM THE HOSES ATTACHED TO THE TANK AND THE APPLICATOR. ALWAYS BE CAREFUL WHEN OPENING A BLEED VALVE TO MAKE SURE THE OUTLET IS POINTING IN A SAFE DIRECTION AND AWAY FROM YOU OR ANYONE ELSE. DO NOT PROCEED UNTIL YOU HAVE MADE SURE ALL OF THE AMMONIA HAS BEEN DRAINED FROM ALL OF THE HOSES.
4. ATTACH THE MOUNTING CLAMP ON TO THE TOOL BAR BY DRILLING TWO 17/32 INCH HOLES ON 2" CENTERS. MAKE SURE IT IS MOUNTED ON A PORTION OF THE TOOL BAR THAT IS ATLEAST 1/4" THICK. ATTACH THE TWO 1/2" BOLTS AND NUTS SECURELY TO THE CLAMP AND TOOL BAR AND TIGHTEN FIRMLY. THE FEMALE SIDE OF THE COUPLING WILL ALREADY BE ATTACHED TO THE MOUNTING BRACKET BUT MAKE SURE THE COUPLING IS INSTALLED ON THE CORRECT SIDE OF THE BRACKET AS SHOWN IN THE PHOTO BELOW.

NOTE BRACKET ORIENTATION

TOOL BAR

ATTACH THE TWO 1/2" BOLTS AND NUTS

DRILL TWO 17/32 INCH HOLES

*************************************************************************************
MAKE SURE YOU HAVE AT LEAST 18" OF SLACK IN THE SECTION OF HOSE CONNECTING THE A-HFC-114 TO THE APPLICATION EQUIPMENT MOUNTED ON THE TOOL BAR TO ALLOW SUFFICIENT ARTICULATION OF THE UNIT.
*************************************************************************************

5. SCREW THE APPLICATOR HOSE INTO THE FEMALE END OF THE COUPLING AND MAKE SURE TO USE PIPE THREAD SEALANT AS SHOWN IN THE PHOTO BELOW

6. IF YOUR SUPPLY HOSE IS ATTACHED TO THE NURSE TANK, SCREW AN ACME ADAPTOR INTO THE 1-1/4" FNPT OF THE MALE END OF THE COUPLING. MAKE SURE TO USE PIPE THREAD SEALANT AS SHOWN IN THE PHOTO BELOW


8. ATTACH THE OPERATING INSTRUCTION DECAL TO THE TOOL BAR AS CLOSE TO THE A-HFC-114 AS POSSIBLE
9. FOR CONNECTING THE MALE AND FEMALE ENDS OF THE COUPLING TOGETHER SEE THE “RECONNECTION INSTRUCTIONS” SECTION BELOW.

**RETRO-FIT INSTALLATION INSTRUCTIONS**

1. ALWAYS WEAR GOGGLES AND GLOVES AND HAVE EMERGENCY WATER AVAILABLE.
2. CLOSE ALL VALVES.
3. OPEN ALL BLEED VALVES AND DRAIN ALL OF THE AMMONIA FROM THE HOSES ATTACHED TO THE TANK AND THE APPLICATOR. ALWAYS BE CAREFUL WHEN OPENING A BLEED VALVE TO MAKE SURE THE OUTLET IS POINTING IN A SAFE DIRECTION AND AWAY FROM YOU OR ANYONE ELSE. DO NOT PROCEED UNTIL YOU HAVE MADE SURE ALL OF THE AMMONIA HAS BEEN DRAINED FROM ALL OF THE HOSES.


6. IF YOU HAVE THE 1/2" BOLT HOLE BRACKET USE THE SHORT BUSHING, IF YOU HAVE THE 3/4" BOLT HOLE BRACKET USE THE LONG BUSHING AS SHOWN IN THE PHOTO BELOW.

7. ATTACH THE BRACKET WITH THE 1/2" BOLT, WASHERS AND NUT WITH THE CORRECT BUSHING AS SHOWN IN THE PHOTO BELOW AND TIGHTEN FIRMLY. MAKE SURE YOU PUT THE BUSHING ON THE COUPLER BRACKET NOT THE MIDDLE BRACKET AS SHOWN IN THE PHOTO.
8. ***IMPORTANT**** MAKE SURE THE BRACKET SWIVELS UP AND DOWN AND SIDE TO SIDE 80 DEGREES TO EACH SIDE OF CENTER LINE. THERE SHALL BE NOTHING OBSTRUCTING THE SWIVEL FEATURE OF THIS UNIT. DO NOT INSTALL ANY APPARATUS, HOSE SUPPORT ANYTHING ELSE THAT WILL IMPED THE MOVEMENT OF THE BREAKAWAY. THIS IS VERY IMPORTANT, IF IT DOES NOT SWIVEL UP AND DOWN AND SIDE TO SIDE THEN IT WILL NOT FUNCTION PROPERLY.

9. AFTER YOU HAVE INSTALLED YOUR NEW COUPLING SEE THE “RECONNECTION INSTRUCTIONS” SECTION ABOVE TO CONNECT THE MALE END.

RECONNECTION INSTRUCTIONS

1. ALWAYS WEAR GOGGLES AND GLOVES AND HAVE EMERGENCY WATER AVAILABLE.

2. CLOSE ALL VALVES.

3. OPEN ALL BLEED VALVES AND DRAIN ALL OF THE AMMONIA FROM THE HOSES ATTACHED TO THE TANK AND THE APPLICATOR. ALWAYS BE CAREFUL WHEN OPENING A BLEED VALVE TO MAKE SURE THE OUTLET IS POINTING IN A SAFE DIRECTION AND AWAY FROM YOU OR ANYONE ELSE. DO NOT PROCEED UNTIL YOU HAVE MADE SURE ALL OF THE AMMONIA HAS BEEN DRAINED FROM ALL OF THE HOSES.

4. INSPECT THE ORINGS TO MAKE SURE THEY ARE IN GOOD CONDITION. NEVER LOOK DIRECTLY INTO THE OPENING OF THE MALE OR FEMALE SIDE OF THE QUICK COUPLING. HOLD IT AT AN ANGLE AWAY FROM YOU TO DO THE INSPECTION SO IF ANY AMMONIA IS LEFT IN THE HOSE IT WILL NOT SPRAY ON YOU OR ANYONE ELSE. GREASE O-RINGS IF NECESSARY. SEE PHOTO BELOW.

5. SLOWLY INSERT THE MALE END OF THE QUICK COUPLING THAT IS ATTACHED TO THE NURSE TANK HOSE INTO THE FEMALE END OF THE QUICK COUPLING THAT IS ATTACHED TO THE APPLICATOR. IT HELPS SOMETIMES TO TWIST THE MALE END WHEN INSERTING IT TO GET THE MALE TIP PAST THE ORINGS. THEN HOLD THE BRACKET ON THE FEMALE END FIRMLY WITH ONE HAND AND PUSH THE MALE END IN FIRMLY WITH THE OTHER HAND SO IT IS COMPLETELY ATTACHED BY CHECKING TO MAKE SURE THE LOCKING SHOULDER ON THE MALE END IS FULLY INSERTED INTO THE FEMALE END OF THE COUPLING. SEE PHOTO BELOW.
INTO THE OPENING OF THE MALE OR FEMALE SIDE OF THE QUICK COUPLING.
HOLD IT AT AN ANGLE AWAY FROM YOU TO DO THE INSPECTION SO IF ANY
AMMONIA IS LEFT IN THE COUPLING IT WILL NOT SPRAY ON YOU OR ANYONE
ELSE.
7. INSPECT THE CHECK VALVES IN THE MALE AND FEMALE ENDS OF THE QUICK
COUPLING BY PRESSING IN ON THE CHECK VALVE WITH YOUR THUMB TO MAKE
SURE THEY MOVE IN AND OUT FREELY.
8. CLEAN ANY DIRT OR DEBRIS THAT YOU FIND IN EITHER END OF THE COUPLING.
9. SPIN THE LOCKING COLLET IN THE FEMALE END OF THE QUICK COUPLING WITH
YOUR FINGER TO MAKE SURE IT MOVES FREELY. USE WD-40 OR A SIMILAR
PRODUCT IF NECESSARY TO GET IT TO MOVE FREELY.
10. RECONNECT THE HOSES THAT WERE REMOVED AND FOLLOW THE
“RECONNECTION INSTRUCTIONS” SECTION ABOVE TO RECONNECT THE QUICK
COUPLING.

IF YOU HAVE ANY QUESTIONS PLEASE CALL US AT
800-537-5642

6. SHAKE HOSE TO MAKE SURE IT IS SECURELY ATTACHED.
7. CLOSE ALL BLEED VALVES

DISCONNECTION INSTRUCTIONS

1. ALWAYS WEAR GOGGLES AND GLOVES AND HAVE EMERGENCY WATER
AVAILABLE.
2. CLOSE ALL VALVES.
3. OPEN ALL BLEED VALVES AND DRAIN ALL OF THE AMMONIA FROM THE HOSES
ATTACHED TO THE TANK AND THE APPLICATOR. ALWAYS BE CAREFUL WHEN
OPENING A BLEED VALVE TO MAKE SURE THE OUTLET IS POINTING IN A SAFE
DIRECTION AND AWAY FROM YOU OR ANYONE ELSE. DO NOT PROCEED UNTIL YOU
HAVE MADE SURE ALL OF THE AMMONIA HAS BEEN DRAINED FROM ALL OF THE
HOSES.
4. PULL THE NURSE TANK HOSE FIRMLY TO DISCONNECT THE MALE END OF THE
QUICK COUPLING FROM THE FEMALE END.

MAINTENANCE INSTRUCTIONS

1. ALWAYS WEAR GOGGLES AND GLOVES AND HAVE EMERGENCY WATER
AVAILABLE.
2. CLOSE ALL VALVES.
3. OPEN ALL BLEED VALVES AND DRAIN ALL OF THE AMMONIA FROM THE HOSES
ATTACHED TO THE TANK AND THE APPLICATOR. ALWAYS BE CAREFUL WHEN
OPENING A BLEED VALVE TO MAKE SURE THE OUTLET IS POINTING IN A SAFE
DIRECTION AND AWAY FROM YOU OR ANYONE ELSE. DO NOT PROCEED UNTIL YOU
HAVE MADE SURE ALL OF THE AMMONIA HAS BEEN DRAINED FROM ALL OF THE
HOSES.
4. PULL THE NURSE TANK HOSE FIRMLY TO DISCONNECT THE MALE END OF THE
QUICK COUPLING FROM THE FEMALE END.
5. REMOVE THE HOSES FROM BOTH THE FEMALE END AND MALE END OF THE QUICK
COUPLING SO THAT THE QUICK COUPLING IS NOT CONNECTED TO ANY HOSES.
6. INSPECT THE O-RINGS IN THE FEMALE SIDE OF THE COUPLING FOR CUTS OR PITS
IN THE O-RING. REPLACE THEM IF THERE ARE ANY CUTS OR PITS OR SEAM TO BE
DRIED OUT OR AGING. IF THEY ARE IN GOOD SHAPE APPLY SOME GREASE TO
THEM TO ENSURE THEY REMAIN IN GOOD CONDITION. NEVER LOOK DIRECTLY
PURGING INSTRUCTIONS FOR REPHASING CYLINDERS

• To properly purge air from the system, cylinders should be fully extended to the rephasing mode.

• Hold the cylinders in the fully extended mode for approximately 30 seconds, retract the cylinders and repeat until all air is purged from the system. Make sure the tractor RPM is moderate so the hydraulic pump is at its full capacity.

• Initial system start-up should be done with the rod end of the cylinders unpinned, making sure to support the rod and watch that the rod will not interfere with any framework or other objects. During initial start-up, the seals may need a few cycles to seat themselves for a good seal.

• Patience is the key and air is the worst enemy. Never loosen a fitting to bleed off the system. This can be dangerous.

• To maintain the rephasing system during normal operating, the cylinders should always be cycled to the full extent of their stroke each time they are operated.
## D-SERIES 3PT TOOLBAR BUILD INFO

### CYLINDERS

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<tr>
<th>Part #</th>
<th>Description</th>
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<th>Wing Cylinders</th>
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SINGLE LIFT 3 PT TOOLBAR - CYLINDERS AND PINS

TB 4410224 CYLINDER PIN WITH BUSHINGS

[2] TB 4435070 BUSHING, WING LIFT CYLINDER PIN
4420312 PIN, 1 X 6.625, HEADED

4420996 PIN, 1.25 X 5, HEADED

HYDRAULIC CYLINDER, 3.5 X 30 X 1.5

4435577 PIN, 2 X 8.375, HEADLESS

4435281 PIN, 1.4375 X 9.25, HEADLESS

3 PT SINGLE LIFT TOOLBAR

SINGLE FOLD TOOLBAR - CYLINDERS & PINS

RICH SMOTHERS

9/11/2015

12/28/2017

DALTON AG

Sheet 1

5 4 3 2 1

5 4 3 2 1

SHEET 1 OF 1

SCALE: 1:18

Sheet 1

CONFIG.

DRAWN BY

CHECKED BY

PRINT DATE

COMMENTS:

DWG:

SINGLE LIFT 3 PT TOOLBAR - CYLINDERS AND PINS

REV

A

A

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DOUBLE LIFT 3 PT TOOLBAR - CYLINDERS AND PINS

141078 CYLINDER PIN W 2 COTTER PINS
HYDRAULIC CYLINDER, 4 X 30 X 1.5
4420312 PIN, 1 X 6.625, HEADED

4420213 PIN, 1 X 5.25, HEADED
HYDRAULIC CYLINDER, 3.5 X 30 X 1.5
TB 4420894 INNER ARM, FLAT FOLD, STD
TB 4420895 OUTER ARM, FLAT FOLD, STD

4421210 PIN, 1 X 8, HEADED
4420003 PIN, 1.5 X 7.1875, HEADED
4420314 PIN, 1 X 4.25, HEADED
4420213 PIN, 1 X 5.25, HEADED

4435577 PIN, 2 X 8.375, HEADLESS
4435281 PIN, 1.4375 X 9.25, HEADLESS

141078 CYLINDER PIN W 2 COTTER PINS
HYDRAULIC CYLINDER, 4 X 30 X 1.5
4420312 PIN, 1 X 6.625, HEADED

4420213 PIN, 1 X 5.25, HEADED
HYDRAULIC CYLINDER, 3.5 X 30 X 1.5
TB 4420894 INNER ARM, FLAT FOLD, STD
TB 4420895 OUTER ARM, FLAT FOLD, STD

4421210 PIN, 1 X 8, HEADED
4420003 PIN, 1.5 X 7.1875, HEADED
4420314 PIN, 1 X 4.25, HEADED
4420213 PIN, 1 X 5.25, HEADED

4435577 PIN, 2 X 8.375, HEADLESS
4435281 PIN, 1.4375 X 9.25, HEADLESS
3 PT FRONT FOLD TOOLBAR

HYDRAULIC CYLINDER, 3 X 12 X 1.25

4420594 PIN, .375 X 7.5, HEADED

141078 CYLINDER PIN W 2 COTTER PINS

4420893 PIN, 2 X 8.6875, HEADED
WING LOCK OPTIONS

TB 4435227 BOLT PLATE, WING LOCK HOOK

TB 4420425 WING LOCK HOOK, WELDMENT

4435426 WING LATCH
(OR)

4420945 WING LATCH
(USE WITH OFFSET BASE)

TB 4420369 WING LOCK BASE, WELDMENT
(OR)

4420943 TB WING LOCK, 4X6, OFFSET BASE

CHECKED BY
RICH SMOTHERS
1/25/2012

PRINT DATE
6/21/2016

CONFIG: Default

DRAWN BY
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1/25/2012

COMMENTS:

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NOTE:
ASSEMBLY CONTAINS A RIGHT AND LEFT CONFIGURATION PER TOOLBAR. RIGHT CONFIGURATION SHOWN.
PIN TYPE GAUGE WHEEL

4420589 2 PIN GAUGE WHEEL BRACKET

Hardware:
2 - PULL RING PIN, .75 x 4.5
2 - 152422 BOLT, .625 NC x 8, G5
2 - 150222 LOCK WASHER, .625, PLTD
2 - 150010 NUT, .625 NC, PLTD

4410271 2 PIN GAUGE WHEEL

4420032 INNER TUBE WELDMENT, 2 PIN GAUGE WHEEL
4410086 888 6-BOLT HUB ASSEMBLY, COMPLETE

Optional:
110118 WHEEL, 15 x 8 x 6 BOLT
640461 TIRE, 11L x 15 x 8 PLY

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RICH SMOTHERS

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RICH SMOTHERS
1/21/2014

CHECKED BY

PRINT DATE
6/21/2016

CONFIG
Default

COMMENTS:

DWG:
2 PIN GAUGE WHEEL AND BRACKET

SIZE
A

SHEET TITLE:
Sheet1

REV
A

SCALE: 1:4

SHEET 1 OF 1
4410086, 888 6-BOLT HUB ASSEMBLY
### 110462, GAUGE WHEEL

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<td>4120456 SCREW ROD ASSEMBLY</td>
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<td>4120459 GAUGE WHEEL HANDLE ASSEMBLY</td>
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<td>158015 ROLL PIN, .3125 x 2</td>
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<td>152631 BOLT, .75 x 6.5 NC GRD 2</td>
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<td>641685 PIN .75 x 6 W HITCH CLIP</td>
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**ASSEMBLY FOR 110463 GAUGE WHEEL, LH IS THE SAME. EXCEPT, 120455 INNER TUBE ASSEMBLY IS FACING THE OPPOSITE DIRECTION.**
ALL QUANTITIES ARE PER ROW UNIT

4450048 - STANDARD DISC SEALER REBUILD KIT
-INCLUDES (2) BEARINGS, (2) RACES, AND (1) SEAL
4410171 OS, STANDARD DISC SEALER WITH OFFSET ARMS

Includes all top half parts.

Includes all listed parts except disc sealer blade.

To reverse offset, use 4410304 pivot arm, long, LH and 4410255 pivot arm with bushing, RH.

Includes all bottom half parts.

B.O.M.

4450048 - Standard disc sealer rebuild kit

- Includes (2) bearings, (2) races, and (1) seal.

All quantities are per row unit.

Includes all top half parts.

Includes all listed parts except disc sealer blade.

To reverse offset, use 4410304 pivot arm, long, LH and 4410255 pivot arm with bushing, RH.

Includes all bottom half parts.

B.O.M.

4450048 - Standard disc sealer rebuild kit

- Includes (2) bearings, (2) races, and (1) seal.

All quantities are per row unit.
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<td>DS 4440785 BLADE, 18 INCH NOTCHED</td>
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<td>28</td>
<td>158005 FLANGE NUT, .375 NC</td>
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<td>29</td>
<td>158002 SLOTTED NUT, .75 NC THIN</td>
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<td>30</td>
<td>158004 FLANGE BOLT, .375 NC X .75, G5</td>
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<tr>
<td>31</td>
<td>4435859 HD CAP RETAINER</td>
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<tr>
<td>32</td>
<td>151802 BOLT, .375 NC X 1, PLTD</td>
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<tr>
<td>33</td>
<td>150210 LOCK WASHER, .375</td>
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</tr>
<tr>
<td>34</td>
<td>150005 NUT, .375 NC, PLTD</td>
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<tr>
<td>35</td>
<td>4435850 RETAINER, DUST CAP</td>
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</tbody>
</table>

**ALL QUANTITIES ARE PER ROW UNIT**

4450049 - HD DISC SEALER REBUILD KIT
- Includes (2) Bearings, (2) Races, and (1) Seal

**Includes all listed parts**

4410223, HEAVY DUTY DISC SEALER

**Includes all top half parts**

**Includes all bottom half parts except disc sealer blade**

---

**HD DISC SEALER**

**4410223 HD DISC SEALER**

**Proprietary and Confidential**

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OS HD DISC SEALER WITH OFFSET ARMS

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<tr>
<td>1</td>
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<td>2</td>
<td>4420310 OS HD UPPER MOUNTING ASSEMBLY</td>
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<td>3</td>
<td>DS 4420302 UPPER MOUNTING BRACKET, HD, WELDMENT</td>
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<td>4</td>
<td>DS 4420303 PIVOT ARM, HD</td>
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<tr>
<td>5</td>
<td>4440815 SEAL</td>
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<td>4440816 BEARING</td>
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<tr>
<td>7</td>
<td>4440817 RACE</td>
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<td>158003 SLOTTED NUT, .75 NC</td>
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<td>158012 SPINDLE WASHER, SAE .75</td>
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<td>150409 COTTER PIN, .125 x 1.5, PLAIN</td>
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<td>11</td>
<td>4440814 DUST CAP, 2 INCH</td>
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<td>12</td>
<td>158007 FLANGE NUT, .5 NC</td>
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<td>151222 GREASE ZERK, .25 SBLT TAPPING</td>
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<td>14</td>
<td>440788 U-BOLT, 2 x 2.5 x .5 NC, SQUARE HEAD</td>
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<td>DS 4420305 SPINDLE HUB, HD, WELDMENT</td>
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<td>151222 GREASE ZERK, .25 SBLT TAPPING</td>
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<td>24</td>
<td>4440817 RACE</td>
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<td>151812 SPINDLE WASHER, SAE .75</td>
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<td>DS 4440785 BLADE, 18 INCH NOTCHED</td>
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<td>158005 FLANGE NUT, .375 NC</td>
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<td>158002 SLOTTED NUT, .75 NC THIN</td>
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<td>158004 FLANGE BOLT, .375 NC x .75, GS</td>
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<td>32</td>
<td>4435859 HD CAP RETAINER</td>
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<td>151802 BOLT, .375 NC x 1, PLTD</td>
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<td>150210 LOCK WASHER, .375</td>
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<td>150005 NUT, .375 NC, PLTD</td>
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<td>36</td>
<td>4435850 RETAINER, DUST CAP</td>
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</table>

** TO REVERSE OFFSET, **
SWITCH 4420581 HD PIVOT ARM, LONG (15) AND 4420303 HD PIVOT ARM (4) TO OPPOSITE SIDES

INCLUDES ALL LISTED PARTS

INCLUDES ALL BOTTOM HALF PARTS EXCEPT DISC SEALER BLADE

4410223 OS HD DISC SEALER WITH OFFSET ARMS

4410223 OS HD DISC SEALER WITH OFFSET ARMS

INCLUDES ALL TOP HALF PARTS

ALL QUANTITIES ARE PER ROW UNIT

4450049 - HD DISC SEALER REBUILD KIT
- INCLUDES (2) BEARINGS, (2) RACES, AND (1) SEAL

DRAWN BY RICH SMOOTHERS 4/28/2009
CHECKED BY
PRINT DATE 2/27/2017
CONFIG. EXPLODED
COMMENTS:

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ALL QUANTITIES ARE PER ROW UNIT

INDEPENDENT STYLE W 14.5 INCH ARM

INDEPENDENT STYLE W 14.5 INCH ARM

INDEPENDENT STYLE W 14.5 INCH ARM
STANDARD SHANKS AND KNIVES

4440498 SHANK, 1 x 2

4440895 SHANK, 1.25 x 2

4440779 KNIFE, STANDARD W (1) .375 TUBE

4440795 KNIFE, STANDARD W (1) .375 TUBE, (1) .75 TUBE

4440794 KNIFE, MOLE W (1) .375 TUBE

4440794 KNIFE, MOLE W (1) .375 TUBE, (1) .75 TUBE

4440890 KNIFE, MINI MOLE W (1) .375 TUBE

4420660 KNIFE, MINI MOLE W (1) .375 TUBE, (1) .75 TUBE

FOR PARTS, CALL 1.800.342.7498
S1264SL, SPRING LOADED SHANK CLAMP, 4X6

<table>
<thead>
<tr>
<th>#</th>
<th>PART NUMBER</th>
<th>QTY.</th>
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<td>1</td>
<td>S1264SL COMPLETE SPRING LOADED SHANK CLAMP</td>
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<td>2</td>
<td>4410218 S1264SL W/O TOP BRACKET AND BOLTS</td>
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<td>SLSC 4420281 SHANK PIVOT</td>
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<td>SLSC 4420280 SPRING GUIDE CAP</td>
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<td>SLSC 4420282 SPRING BOLT WELDMENT</td>
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<td>SLSC 4431072 TOP BRACKET</td>
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<td>SLSC 641480 SPRING</td>
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<td>150013 NUT, .75 NC</td>
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<td>152422 BOLT, .625 NC x 8, G5</td>
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<td>150226 LOCK WASHER, .75, PLTD</td>
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<td>18</td>
<td>4441060 BOLT, .75 NC x 3, GR 8</td>
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4440975 .75 NC X 1.5 SET SCREW

SLIDE SHANK INTO RECEIVER, ATTACH WITH 3/4" NC THRU BOLT

SHANK NOT INCLUDED
# YETTER 20" COULTER ASSEMBLY

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<th>PART NO.</th>
<th>DESCRIPTION</th>
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<td>2531-125</td>
<td>1/4&quot; X 1–3/4&quot; COTTER PIN</td>
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<td>2550-027</td>
<td>CONE, LM67048</td>
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<tr>
<td>2</td>
<td>1</td>
<td>2526-561</td>
<td>1–17/64&quot;ID X1–7/8&quot;OD X14GA WASHER</td>
<td>15</td>
<td>1</td>
<td>2570-375</td>
<td>DUST CAP</td>
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<td>2570-125</td>
<td>EYEBOLT</td>
<td>16</td>
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<td>2531-102</td>
<td>1/8&quot; X 1–1/4&quot; COTTER PIN</td>
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<td>2910-320</td>
<td>PIVOT</td>
<td>17</td>
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<td>2502-410</td>
<td>3/4&quot;–16 X 3&quot; HEX BOLT GRADE 5</td>
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<td>2910-311</td>
<td>SPRING</td>
<td>18</td>
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<td>2520-508</td>
<td>3/4&quot;–16 HEX NUT</td>
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<td>6</td>
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<td>2910-302</td>
<td>SPRING BUSHING</td>
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<td>2520-352</td>
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<td>3/4&quot;–10 NY–LOCK HEX NUT</td>
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<td>1/2&quot;–13 X 1 1/4&quot; CARRIAGE BOLT GRADE 5</td>
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<td>2565–162</td>
<td>DECAL–YETTER</td>
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<td>2530–208</td>
<td>3/8&quot; X 2–1/2&quot; ROLL PIN</td>
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<td>PIVOT ARM</td>
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<td>2503–379</td>
<td>5/8&quot;–11 X 1&quot; SET SCREW</td>
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<td>2520–469</td>
<td>5/8&quot;–18 SLOTTED HEX NUT</td>
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<td>SWIVEL COLLAR</td>
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<td>2526–449</td>
<td>5/8&quot; FLAT WASHER, 1/4&quot; THICK</td>
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<td>1</td>
<td>2531–161</td>
<td>5/16&quot; X 2–1/2&quot; COTTER PIN</td>
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<td>2900–102</td>
<td>HUB SUB–ASSEMBLY</td>
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<td>2550–066</td>
<td>TRIPLE LIP SEAL</td>
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<td>2533–110</td>
<td>1/4&quot;–28 LUBE FITTING–SELF TAP</td>
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<td>HUB/CUP PRESSES ASSEMBLY</td>
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<td>CUP, LM67010</td>
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05/12/2016 S431

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The American Society of Agricultural Engineers has established minimum marking recommendations for agricultural field equipment that is towed on or across public highways. These standards include:

1. Implements which obscure the rear tractor lighting; or are more than 13 ft. wide; or extend to the left or right of the tractor center by 79 in. and beyond the left or right extremity of the tractor; or extend more than 33 ft. to the rear of the tractor hitchpoint should have the following lighting to meet minimum safety standards:
   a. **One** red tail lamp mounted to the rear of the implement and as far to the left as possible. This must face **rearward** only.
   b. **Two** amber flashing lights, visible from front and rear, and as far to the left and right as possible. These should be mounted to within 16 in. of extremities and within 39 in. to 10 ft. in height.
   c. Non-symmetrical equipment, such as moldboard plows or windrowers, extending only to the left or right may have **one** amber flashing light mounted to within 16 in. of the extremity.

2. Implements extending more than 4 ft. to the left of the center of the tractor should have at least **one** amber reflector visible to the front, located to the extreme left of the implement.

3. Implements exceeding more than 10 ft. behind the hitchpoint should have at least **two** amber reflectors visible from both the left and right sides. Reflectors should be spaced no more than 5 ft. apart, starting from the hitch. The rear most reflector should be positioned as far to the rear as possible.

4. Implements extending more than 4 ft. to the rear of the hitchpoint or more than 4 ft. to the left or right of the center of the tractor should have at least **two** red reflectors visible to the rear.

MOUNTING

All units have provisions for multiple mounting. The outermost holes will accept 1/4” machine or lag screws and will allow thru-panel bolting. The inner holes are designed to accept 1/4” lag or self-drilling screws **only**. Maximum length not to exceed 1” beyond panel. A 9/32” dia. hole size is recommended.

If holes are required to route wires and connectors from lamp units, a 3/4” dia. hole is recommended.

The diagram below should be used as a guide for mounting hole
PARTS ORDERING PROCEDURE

Your Dalton Ag dealer is interested in your new fertilizer application equipment and has the desire to help you get the most value from it. Through the help of this manual, you will find you can do some of the regular maintenance yourself. For parts and service, contact the Dalton Ag Dealership from which you purchased your fertilizer application equipment or your local Dalton Ag dealer.

When replacement parts are required, consult the applicable illustration and parts list to obtain the correct part name and number. When requesting a replacement part, always include the following information:

1. Complete Part Number
2. Description
3. Quantity Required
4. Machine and Model Number
5. Machine Serial Number - located on the topside of the frame near hitch
6. Provide complete name and address for where and how parts are to be shipped.

NOTE: Right and left hand parts and sides of the units are determined by standing at the rear and facing in the direction of forward travel.

EQUIPMENT MODEL:___________________________________
EQUIPMENT SERIAL NO.:________________________________
DATE OF PURCHASE:___________________________________
NAME OF DEALER:_____________________________________
DEALER’S PHONE NUMBER:______________________________

Thank you for your business!

DaltonAg.com 602 E. Van Burem Lenox, Iowa 50851 800.342.7498