

W & A

HIGH CLEARANCE DISK BEDDERS

OPERATOR'S MANUAL

TO THE OWNER:

Congratulations on your purchase of new W & A Disk Bedders. Your selection is an indication of your awareness of the need for intensive engineering, research, design, durability and dependability that has gone into their production.

Be sure to read all the instructions in this manual before placing the units in use. Safety precautions along with adjustments should be learned and also taught to anyone who operates the machine. Remember, an implement which is properly maintained, adjusted, and safely operated saves time, labor and money.

After the operating season, thoroughly clean your bedder and inspect it. Preventive maintenance pays dividends. Your dealer has original equipment parts which assure proper fit and best performance.

Thank you for purchasing this W&A product.

For your convenience, please fill in the following:

Model: _____ Serial No. _____

Dealer Name: _____ Date Purchased _____



Quality Products from

W & A MANUFACTURING COMPANY

P.O. Box 5238, Pine Bluff, Arkansas 71611

Phone: (870) 534-7420

Fax: (800) 336-1318

Website: www.wamfgco.com

IMPORTANT SAFETY INSTRUCTIONS



This is the safety alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury or death. Follow the recommended precautions!

SAFETY PRECAUTIONS

- Before operating your Disk Bedder, thoroughly read and understand your operator's manual. If you do not understand any portion of the operator's manual, contact your dealer or W & A Manufacturing Company immediately.
- Train all new personnel and review instructions annually with existing workers. A person who has not read and understood all operating and safety instructions is not qualified to operate the machine. An untrained operator exposes himself and bystanders to possible serious injury or death.
- Clear the area of people, especially small children, before starting unit.
- Do not allow riders at any time.
- Place all controls in neutral, stop tractor engine, set park brake, and wait for all moving parts to stop before service, adjusting, repairing or unplugging.
- If safety signs are missing, illegible, or damaged, they should be replaced. See list of safety signs. Keep safety signs clean and legible.
- Furnish this manual to the new owner if the machine is sold.
- Inspect machine daily for worn parts, hydraulic leaks, frayed hoses, and make necessary repairs. Tighten all bolts and make sure all fasteners are in place.
- Un-authorized modifications to the machine may impair the function and/or safety and affect machine life. Make NO un-authorized modifications. DO NOT REMOVE orifice fittings from hydraulic cylinders.
- Never stand between implement and tractor when hitching. Extreme care should be used to prevent injury to the hands or fingers. *Stop tractor engine and set brake before installing hitch pins.*
- Lower wings and machine before servicing, adjusting, leaving, or storing machine.

TRANSPORTING

- Comply with all federal, state, and local laws for implement transport on public roads.
- Watch for obstructions overhead and to side while transporting.
- Do not drive at speeds over 20 MPH (33 kph). Always drive at a reasonable speed to maintain control for the situation at hand.
- When descending steep grades select a sufficiently low gear to maintain proper control with minimum braking. Do not “Free Wheel”. Always keep the tractor in gear.
- Never transport machine unless hydraulic systems are completely charged with hydraulic oil and transport safety locks are engaged.
- Raised wings can contact electric utility lines and overhead obstructions. Severe shock, injury, or death can result. Electrocution can occur without direct contact. Drive carefully. Measure overall transport height and be sure of clearance.
- When transporting on a road or highway, use adequate warning symbols, reflectors, and SMV (slow moving vehicle) emblem as required. Do not transport at night or low light conditions.

OPERATIONS

- Never start or operate machine unless sitting on tractor seat.
- Always make sure hydraulic system is fully charged with oil before use. Failure to bleed the system of all air can cause folded wings or entire machine to drop suddenly.
- Make sure front of tractor is properly weighted for safe steering control and operation.
- Clear the area of people, especially small children, before starting the unit.
- Do not operate hydraulic wings and/or arms until you are sure all bystanders are clear of area.
- Coulter, disk and marker blades are sharp. Use extreme care when adjusting or servicing. Keep hands and feet from beneath blades.

SERVICE/MAINTENANCE

- Before working on this machine stop the tractor, set the brakes, disengage the PTO and power drive, shut off the engine and remove the ignition key.
- Securely block machine when working on or under it. To prevent injury in case of hydraulic failure or inadvertent lowering by another person, unfold wings and arms and securely block.
- Always use the proper tools or equipment for the job.
- Properly tighten all hardware.
- Relieve pressure from hydraulic system before servicing or disconnecting from tractor.
- Inspect all hydraulic hoses and components to be sure they are in good condition and that all connections are tight.
- Escaping hydraulic oil under pressure can produce enough force to penetrate the skin, causing serious personal injury or infection. Before applying pressure to the system, be sure all connections are tight and that lines, pipes, and hoses are not damaged. Before disconnecting lines, be sure to relieve all pressure. Hydraulic oil escaping from a very small hole can be almost invisible. Wear proper eye and hand protection and use a piece of cardboard or wood - not your hands - to search for suspected leaks. If injured by escaping hydraulic oil, **seek emergency medical attention immediately.** Serious infection or reaction can develop if proper medical treatment is not administered immediately.
- When remote cylinders are connected to the hydraulic system, cycle the control lever about three times to remove air from the cylinder and hoses. With air in the system, raised equipment can drop accidentally and cause personal injury or damage.
- Never use machine until all guards and safety devices are securely in place.

UNDERSTAND THAT YOUR SAFETY AND THE SAFETY OF OTHER PERSONS IS MEASURED BY HOW YOU SERVICE AND OPERATE THIS MACHINE.

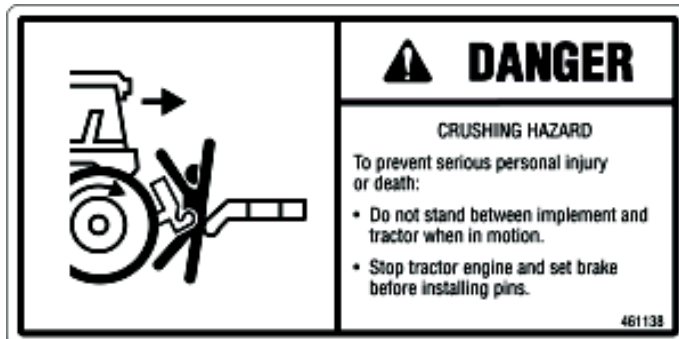
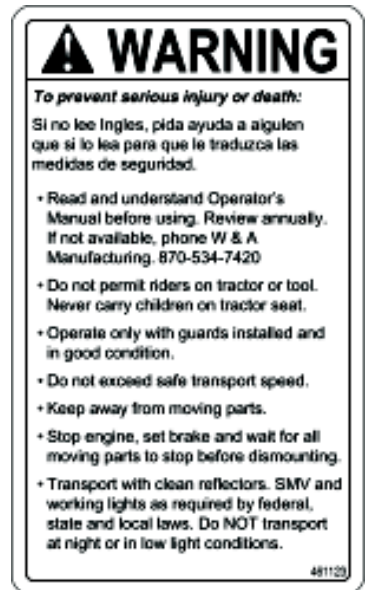
LEARN ALL SAFETY RULES FOR THIS DISK BEDDER AND TEACH THEM TO ANYONE WHO MIGHT OPERATE THIS BEDDER.

SAFETY SIGNS

- Keep safety signs clean and legible at all times.
- Replace safety signs that are missing or have become illegible.
- Replaced parts that displayed a safety sign must also display the current sign.
- Safety signs are available from your dealer or W & A Manufacturing Company.

ON RIGID DISK BEDDERS THE FOLLOWING SAFETY SIGNS ARE LOCATED ON THE HITCH.

WARNING - Read Operator's Manual.
Sign Number 461123.



DANGER - Crushing Hazard.
Sign Number 461138

ON FOLDING OR STACKING DISK BEDDERS REVIEW OPERATOR'S MANUAL PROVIDED WITH TOOL BAR.

LUBRICATION & MAINTENANCE



Lower Wings and Unit Before Servicing, Adjusting or Leaving Unit.

DAILY OR AFTER 10 HOURS OF OPERATION:

Grease all bedder bearings on regreaseable units.

Retighten all bolts and check that all fasteners and keepers are in place and secure. On folding units special attention should be given to wing pivot bolts.

PERIODICALLY:

Thoroughly clean and inspect your disk bedder. Tighten all bolts as needed and check that all fasteners and keepers are in place and secure.

Be sure all hydraulic connections are tight and hoses are not worn or damaged. Hydraulic oil leaking under pressure can penetrate the skin and cause infection or other injury.

TO PREVENT PERSONAL INJURY:

Relieve all pressure before disconnecting lines. Before applying pressure, make sure all connections are tight and in good condition. Never use your hand to check for suspected leaks under pressure. Wear proper eye and hand protection and use a piece of cardboard or wood for this purpose. If injured by leaking fluid, SEE YOUR DOCTOR IMMEDIATELY.

Check cylinder pins and hitch pins for wear and replace as required.

Grease all bearings before storing implement for an extended period of time.

Review safety instructions with all operators annually.



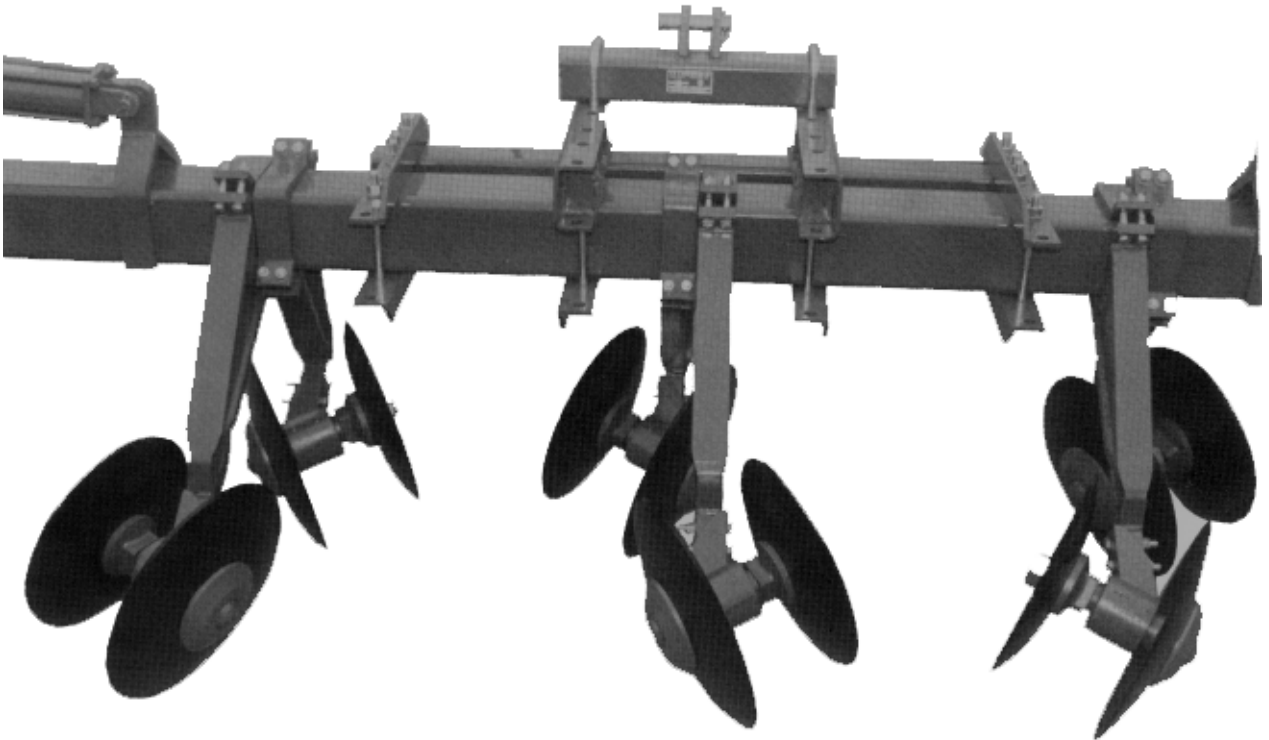
Be Extra Cautious
around Moving Machinery!

ASSEMBLY



EXTREME CARE SHOULD BE USED DURING ASSEMBLY TO PREVENT INJURY TO HANDS, FINGERS AND FEET.

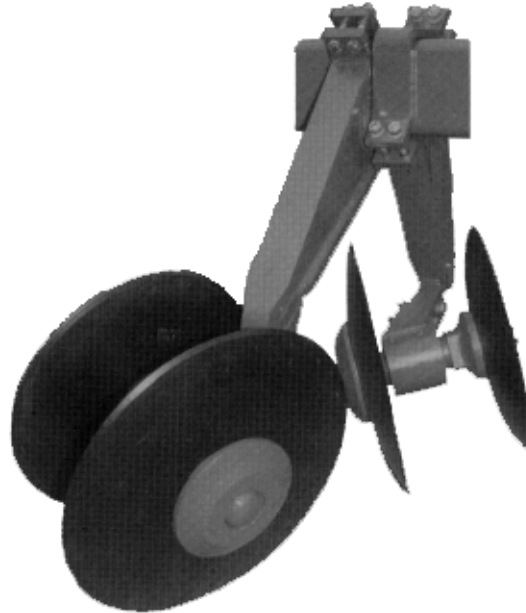
DISK BEDDERS MAY BE ASSEMBLED WITH EITHER OPPOSED GANGS OR STAGGERED GANGS. THE OPPOSED METHOD OF LONG BEAMS WORKING IN CONJUNCTION WITH LONG BEAMS AND SHORT BEAMS WORKING OPPOSITE SHORT BEAMS WILL NORMALLY PUT UP SLIGHTLY TALLER BEDS AND THE UNIT MAY PULL STRAIGHTER. MOST FARMERS USE THIS METHOD. THE STAGGERED ASSEMBLY METHOD OF A SHORT BEAM WORKING OPPOSITE A LONG BEAM MAY BE MORE DESIRABLE WHEN WORKING IN HIGH RESIDUE CONDITIONS.



**** OPPOSED SETTING ****

1. Assemble folding tool bar per instructions. If on rigid bar, center and install 3 point hitch.
2. Locate and mark center of tool bar. Now mark bar from center mark at desired row spacing. Lay-out for six row will have 7 marks, eight row 9 marks, and twelve row 13 marks.
3. With the opposed setting the gangs are mounted to face each other in building the row. Starting at the center mark, attach one long beam and one short beam. Continue this on each mark using one long beam and one short beam until reaching the outside mark. At the outside mark, one beam is to be attached. This beam is located to the inside of the mark. Remember, this setting should have one long beam working against another long beam and short against short.

4. Next bolt the blade assemblies onto the beams. All these assemblies are the same. Bolt the blade assemblies into position allowing the long beams to throw soil at each other and the short beam throwing soil at each other. For proper installation of blade assembly onto beam see following picture. On greaseable units grease fittings should be on top of bearing housing. If not on top, swap position with plugs.



5. Clamp one gauge wheel to each end of the bar with wheels turned to the inside to allow tires to work in middles.
6. Adjust top link of tractor hitch so that the tool bar is level to assure equal height of beds The height of beds is adjusted with the tool bar gauge wheels.



INSTALL PROPER BALLAST ON FRONT OF TRACTOR TO INSURE SAFE AND PROPER STEERING AT ALL TIMES.



EXTREME CARE SHOULD BE USED WHEN HITCHING BAR TO TRACTOR TO PREVENT INJURY TO HANDS OR FINGERS. DO NOT STAND BETWEEN THE TOOL BAR AND TRACTOR WHEN IT IS IN MOTION. STOP TRACTOR ENGINE AND SET BRAKE BEFORE INSTALLING PINS.

**** STAGGERED SETTING ****

1. Assemble folding tool bar per instructions. If on rigid bar, center and install 3 point hitch.
2. Locate and mark center of tool bar. Now mark bar from center mark at desired row spacing. Lay-out for six row will have 7 marks, eight row 9 marks, and twelve row 13 marks.
3. With the staggered setting the gangs are mounted so that a long beam works in conjunction with a short beam to form a row. Starting at the center mark, attach one long beam and one short beam. Continue this on each mark using one long beam and one short beam until reaching the outside mark. At the outside mark, one beam is to be attached. This beam is located to the inside of the mark. Remember, this setting should have one long beam working against a short beam.
4. Next bolt the blade assemblies onto the beams. All these assemblies are the same. Bolt the blade assemblies into position allowing the long beams to throw soil at the short beams. For proper installation of blade assembly onto beam see the picture on the preceding page. On greaseable units grease fittings should be on top of bearing housing. If not on top, swap position with plugs.
5. Clamp one gauge wheel to each end of the bar with wheels turned to the inside to allow tires to work in middles.
6. Adjust top link of tractor hitch so that the tool bar is level to assure equal height of beds. The height of beds is adjusted with the tool bar gauge wheels.

SAFETY FIRST



WARRANTY

W & A Manufacturing Company warrants all products manufactured and sold by it to be free of defects in material and workmanship and to perform as represented, subject to the following conditions

- (A) Warranty applies only if installed and operated according to instructions.
- (B) Written authorization must be obtained prior to return of material for inspection. Material is to be returned prepaid.
- (C) Warranty does not apply to labor for parts replacement, nor does it apply to damage by accident, abuse, misuse or failure caused by not operating according to instructions.
- (D) Warranty is void if changes are made in the product in the field by other than a W & A representative or by instructions from the factory.

W & A Manufacturing Company reserves the right at any time to make changes in the design, materials and/or specifications of any of its products without thereby becoming liable to make similar changes in equipment previously manufactured.

Written authorization must be obtained prior to the return of any equipment purchased from W & A Manufacturing Company. No penalties will be charged if equipment had been placed on display by a W & A representative or if reasons for return are errors or faults of W & A Manufacturing Company. If return is for the benefit of the customer and the equipment is returned by prepaid freight in a new, unused and resalable condition, credit (based on original purchase price) will be issued less a 10% fee for restocking and other handling expenses.



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