

AR 100-48/60/72 Core-Type Aerators



Operator's Manual

TO THE OWNER:

You are now the proud owner of a quality turf implement .The care you give your *SURELINK* implement will greatly determine your satisfaction with its performance and its service life. We urge a careful study of this manual to provide you with a thorough understanding of your new implement before operating as well as suggestions for operation and maintenance. Please obtain a replacement manual by calling:

As an authorized *SURELINK* dealer, we stock genuine *SURELINK* parts which meet the same quality standards as our original equipment. Should you require additional information or assistance, please contact us.

YOUR AUTHORIZED *SURELINK* DEALER

SURELINK RESERVE THE RIGHT TO MAKE IMPROVEMENTS IN DESIGN OR CHANGES IN SPECIFICATIONS WITHOUT INCURRING ANY OBLIGATION TO INSTALL THEM ON UNITS PREVIOUSLY SOLD.

PLEASE OPERATE ALL MACHINERY WITH APPROPRIATE SHIELDS AND GUARDS IN PLACE

SURELINK

RT 100-48/60/72 OPERATOR'S MANUAL

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RETAIL CUSTOMER'S RESPONSIBILITY UNDER THE *SURELINK* WARRANTY

It is the Retail Customer and/or Operator's responsibility to read the Operator's Manual, to operate, lubricate, maintain and store the product in accordance with all instructions and safety procedures. Failure of the operator to read the Operator's Manual is a misuse of this equipment.

It is the Retail Customer and/or Operator's responsibility to inspect the product and to have any part(s) repaired or replaced when continued operation would cause damage or excessive wear to other parts or cause a safety hazard.

It is the Retail Customer's responsibility to deliver the product to the authorized *SURELINK* Dealer, from whom he purchased it, for service or replacement of defective parts which are covered by warranty. Repairs to be submitted for warranty consideration must be made within forty-five (45) days of failure.

It is the Retail Customer's responsibility for any cost incurred by the Dealer for traveling to or hauling of the product for the purpose of performing a warranty obligation or inspection

SURELINK LIMITED WARRANTY

SURELINK warrants to the original purchaser of any new *SURELINK* equipment, purchased from an authorized *SURELINK* dealer, that the equipment be free from defects in material and workmanship for a period of one (1) year from date of retail sale. The obligation of *SURELINK* to the purchaser under this warranty is limited to the repair or replacement of defective parts.

Replacement or repair parts installed in the equipment covered by this limited warranty are warranted for ninety (90) days from the date of purchase of such part or to the expiration of the applicable new equipment warranty period, whichever occurs later. Warranted parts shall be provided at no cost to the user at an authorized *SURELINK* dealer during regular working hours. *SURELINK* reserves the right to inspect any equipment or parts which are claimed to have been defective in material or workmanship.

DISCLAIMER OF IMPLIED WARRANTIES & CONSEQUENTIAL DAMAGES

SURELINK's obligation under this limited warranty, to the extent allowed by law, is in lieu of all warranties, implied or expressed, **INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE** and any liability for incidental and consequential damages with respect to the sale or use of the items warranted. Such incidental and consequential damages shall include but not be limited to: transportation charges other than normal freight charges; cost of installation other than cost approved by *SURELINK*; duty; taxes; charges for normal service or adjustment; loss of crops or any other loss of income; rental of substitute equipment, expenses due to loss, damage, detention or delay in the delivery of equipment or parts resulting from acts beyond the control of *SURELINK*.

THIS LIMITED WARRANTY SHALL NOT APPLY:

- 1. If the unit has been subjected to misapplication, abuse, misuse, negligence, fire or other accident.
- 2. If parts not made or supplied by *SURELINK* have been used in connection with the unit, if, in the sole judgment of *SURELINK* such use affects its performance, stability or reliability.
- 3. If the unit has been altered or repaired outside of an authorized *SURELINK* dealership in a manner which, in the sole judgment of *SURELINK*, affects its performance, stability or reliability.
- 4. To normal maintenance service and normal replacement items such as gearbox lubricant, hydraulic fluid, worn blades, or to normal deterioration of such things as belts and exterior finish due to use or exposure.
- 5. To expendable or wear items such as teeth, chains, sprockets, belts, tines, springs and any other items that in the company's sole judgment is a wear item.

NO EMPLOYEE OR REPRESENTATIVE OF ${\it SURELINK}$ is authorized to change this limited warranty in any way or grant any other

Record the model number, serial number and date purchased. This information will be helpful to your dealer if parts or service are required. MODEL NUMBER SERIAL NUMBER DATE OF RETAIL SALE DEALER NAME DEALER ADDRESS

IMPORTANT SAFETY PRECAUTIONS



This symbol is used to call attention to safety precautions that should be followed by the operator to avoid accidents. When you see this symbol, carefully read the message that follows and heed its advice. Failure to comply with safety precautions could result in serious bodily injury.

In addition to the design and configuration of equipment, hazard control and accident prevention are dependent upon the awareness, concern, prudence and proper training of personnel in the operation, transport, maintenance and storage of equipment. Lack of attention to safety can result in accident, personal injury, reduction of efficiency and worst of all—loss of life. Watch for safety hazards and correct deficiencies promptly. Use the following safety precautions as a general guide to safe operations when using this machine. Additional safety precautions are used throughout this manual for specific operating and maintenance procedures. Read this manual and review the safety precautions often until you know the limitations.

- 1. Read the Operator's Manual. Failure to read the Operator's Manual is considered a misuse of this equipment.
- 2. Become familiar with all the machine's controls and all the caution, warning and danger decals affixed to the machine before attempting to start or operate.
- 3. Before starting or operating the machine, make a walk around inspection and check for obvious defects such as loose mounting bolts and damaged components. Correct any deficiency before starting.
- 4. Do not allow children to operate the implement. Do not allow adults to operate it without proper instruction.
- 5. Do not carry passengers.
- 6. Keep the area of operation clear of all persons, particularly small children and pets. The operator should cease operation whenever anyone comes within the area.
- 7. Lower implement to ground, stop tractor engine and apply parking brake before leaving the tractor.
- 8. Keep hands and feet away from implement.
- 9. Wear personal protective equipment such as, but not limited to, protection for eyes, ears, feet, hands and head when operating or repairing the equipment. Do not wear loose clothing or jewelry that may catch on equipment moving parts.

10. When performing adjustments or maintenance on the implement, first lower it to the ground or block it securely ata workable height.

- 11. Never stand between tractor and implement while tractor is being backed to the hitch.
- 12. Reduce speed when transporting implement to avoid bouncing and momentary loss of steering.
- 13. Use tractor flashing warning lights, day or night, when transporting implement on road or highways unless prohibited by law.
- 14. It is recommended that tractor be equipped with Rollover Protective System (ROPS) and seat belt be used in all implement operations.

IMPORTANT FEDERAL LAWS AND REGULATIONS* CONCERNING EMPLOYERS, EMPLOYEES AND OPERATIONS.

*(This section is intended to explain in broad terms the concept and effect of the following federal laws and regulations. It is not intended as a legal interpretation of the laws and should not be considered as such).

U.S. Public Law 91-596 (The Williams - Steiger Occupational and Health Act of 1970) OSHA This Act Seeks:

"...to assure so far as possible every working man and woman in the nation safe and healthful working conditions and to preserve our human resources..."

DUTIES

Sec. 5 (a) Each employer-

(1) shall furnish to each of his employees employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious physical harm

to

his employees;

(2) shall comply with occupational safety and health standards promulgated under this Act.
(b) Each employee shall comply with occupational safety and health standards and all rules, regulations and orders issued pursuant to this Act which are applicable to his own actions and conduct.

OSHA Regulations

Current OSHA regulations state in part: "At the time of initial assignment and at least annually thereafter, the employer shall instruct every employee in the safe operation and servicing of all equipment with which the employee is, or will be involved." These will include (but are not limited to) instructions to:

Keep all guards in place when the machine is in operation;

Permit no riders on equipment;

Stop engine, disconnect the power source, and wait for all machine movement to stop before servicing, adjusting, cleaning or unclogging the equipment, except where the machine must be running to be properly serviced or maintained, in which case the employer shall instruct employees as to all steps and procedures which are necessary to safely service or maintain the equipment.

Make sure everyone is clear of machinery before starting the engine, engaging power, or operating the machine.

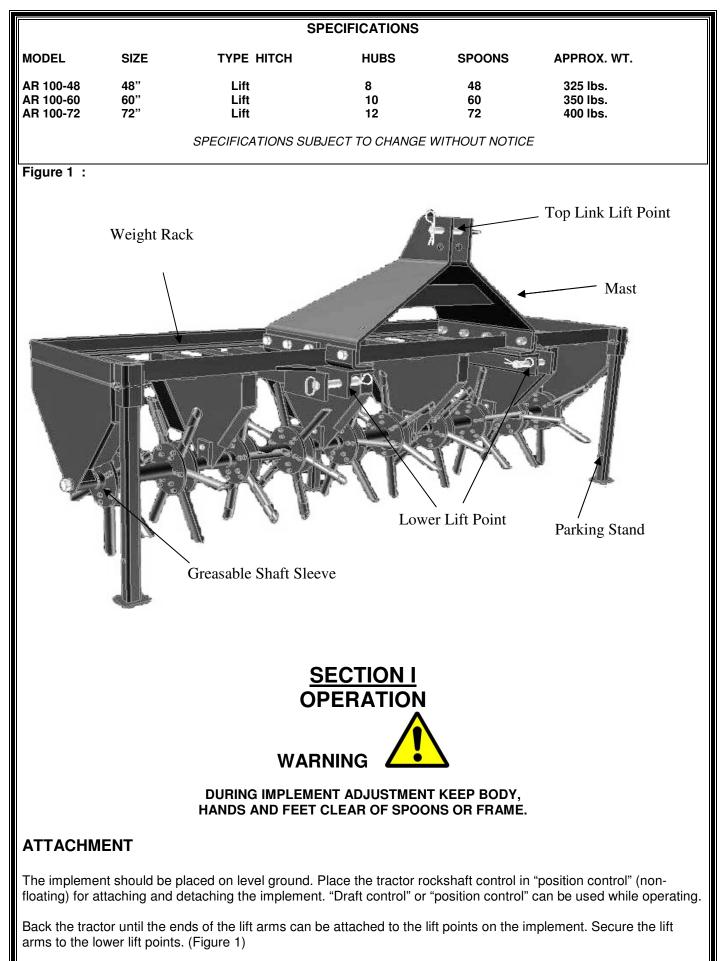
EMPLOYEE TRACTOR OPERATING INSTRUCTIONS:

- 1. Securely fasten your seat belt if the tractor has a ROPS.
- 2. Where possible, avoid operating the tractor near ditches, embankments, and holes.
- 3. Reduce speed when turning, crossing slopes, and rough, slick, or muddy surfaces.
- 4. Stay off slopes too steep for safe operation.
- . ends, on roads, and around trees.

- 5. Watch where you are going, especially at row End, on roads and around trees.
- 6. Do not permit others to ride.
- 7. Operate the tractor smoothly no jerky turns, on starts, or stops
- 8. Hitch only to the drawbar and hitch points recommended by tractor manufacturers.
- 9. When tractor is stopped, set brakes securely and use park lock if available.

Child Labor Under 16 Years Old

Some regulations specify that no one under the age of 16 may operate power machinery. It is your responsibility to know what these regulations are in your own area or situation. (Refer to U.S. Dept. of Labor, Employment Standard Administration, Wage & Home Division, Child Labor Bulletin #102.)



Attach the centre link to the top of mast and adjust so that the frame will be level in the operating position. Remove parking stands and store in the upside down position.

DETACHING FROM TRACTOR

Pin parking stands into position and lower the implement to the ground with rockshaft control in position control. Remove top link from mast, disconnect hitch arms from bottom pins and pull tractor away from implement.

OPERATION

Before operation of the Aerator, you must make sure there are no water or gas pipes, electrical lines, sizable rocks or other buried material that can cause damage to your *SURELINK* implement and your tractor. These areas in the soil must be avoided when aerating the turf.

Level the implement roots from side to side and front to rear using adjustments on the tractor's 3-point lift.



DURING IMPLEMENT ADJUSTMENT KEEP BODY, HANDS AND FEET CLEAR OF SPOONS OR FRAME

Weight may be added to the plugger frame to aid in penetrating hard soil. Concrete blocks, water jugs or other types of weight may be used as long as nothing extends through the frame and interferes with the rotation of the spoons. Penetration should be approximately one to 1-1/2". (See Figure 1). Begin by lowering the three-point hitch until the Aerator is fully on the ground with all the weight off of the tractor. Put the three-point in float position and pull ahead slowly to get the spoons into the ground. Gradually increase ground speed to approximately 5mph. Do not make sharp turns with the Aerator in the ground as equipment damage may result. At the end of each pass lift the Aerator out and off of the ground until you have realigned the tractor for the next pass. Look back often to observe your pattern and to make sure you are getting good soil penetration. If you aren't achieving the desired penetration, you may need to add more weight or wait until after a rain or after irrigation has been applied to softened the ground.

By removing core plugs from the soil, lawns are better able to breath and hold moisture. Compacted soil and thatch are relieved, allowing air and fertilizer to reach roots.

Care should be exercised during use of the plugger to prevent hanging the spoons on immovable objects or otherwise use of the implement under conditions beyond its designed capacity.



WHEN EQUIPMENT IS TRANSPORTED, USE NECESSARY DEVICES REQUIRED BY LOCAL REGULATIONS FOR ADEQUATE WARNING TO OPERATORS OF OTHER VEHICLES.

SECTION II MAINTENANCE

LUBRICATION - Apply NLGI Grade 2 multi-purpose grease to sleeves on shaft before each use. (See Figure 1) Tighten all other fasteners to standard SAE specifications.



LOWER THE IMPLEMENT AS MUCH AS POSSIBLE AND SECURELY SUPPORT BEFORE MAKING ANY ADJUSTMENT.

Inspect your implement periodically and replace any worn or broken parts in order to have it ready for use when needed.

When spoons become worn, replace one at a time to ensure proper location and assembly.

Store the implement out of the weather when it is not in use. This helps prevent rusting of the spoons and other components.

SAFETY DECALS

To promote safe operation, *SURELINK* supplies safety decals on all products manufactured. Because damages can occur to safety decals either through shipment, use or reconditioning, *SURELINK* will, upon request, provide safety decals for any of our products in the field at no charge. Contact your authorized *SURELINK* dealer for more information.

A WARNING

WHEN CONNECTING AND STORING EQUIPMENT

- Follow all manual instructions and safety rules.
- Properly connect to tractor before raising park stands or adding ballast weight.
- Remove ballast weight before disconnecting equipment from tractor.
- Lower and properly secure all four park stands before disconnecting equipment from tractor.
- Park stands must be functional, kept in good repair, and stored on unit.
- Park and store on hard level ground away from people and children.

FAILURE TO FOLLOW INSTRUCTIONS CAN RESULT IN INJURY OR DEATH.

KW1044

A WARNING FALLING OFF CAN RESULT IN BEING RUN OVER. ■ Tractor must be equipped with ROPS (or ROPS CAB) and seat belt. Keep foldable ROPS systems in "locked up" position at all times. Buckle Up! Keep seat belt securely fastened. Allow no riders. RAISED IMPLEMENT CAN DROP AND CRUSH. Never go underneath raised implement which can drop from equipment or tractor 3-point hitch hydraulic leak down, hydraulic system failures, movement of control levers or mechanical linkage failures. Service work does not require going underneath implement. Read manual instructions. FALLING OFF OR GOING UNDERNEATH IMPLEMENT CAN RESULT IN SERIOUS INJURY OR DEATH. **KW1046**



KW 1045

A WARNING

TO AVOID SERIOUS INJURY OR DEATH:

- Read Operator's Manual before operating, servicing or repairing equipment. Follow all safety rules and instructions. (Manuals are available from dealer).
- Operate from tractor seat only.
- Lower equipment to ground, stop engine, remove key and set brake before dismounting tractor.
- Never allow children or untrained persons to operate equipment.
- Never allow riders.
- Keep bystanders away from equipment during operation.
- Keep all shields in place and in good condition.
- Do not transport towed or semi-mounted units over 20 mph.

FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY OR DEATH.

KW1047