



## **Inline Acreage Rake**

### **OWNER'S MANUAL**



#### **WARNING:**

Read carefully and understand all **ASSEMBLY AND OPERATION INSTRUCTIONS** before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

**Item# ACR-600T**

Thank you very much for choosing this product! For future reference, please complete the owner's record below:

Model: \_\_ACR-600T\_\_ Purchase Date: \_\_\_\_\_

Save the receipt, warranty and these instructions. It is important that you read the entire manual to become familiar with this product before you begin using it.

This machine is designed for certain applications only. The manufacturer cannot be responsible for issues arising from modification. We strongly recommend this machine not be modified and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, DO NOT use the machine until you have first contacted us to determine if it can or should be performed on the product.

For technical questions please call **1-218-943-6296**.

## INTENDED USE

Rake works for raking acorns or similar small particles as well as grass/leaves.

## TECHNICAL SPECIFICATIONS

Reel Size: 20"

Raking Path: 55"

Tires: 12" Pneumatic

## GENERAL SAFETY RULES



**WARNING:** Read and understand all instructions. Failure to follow all instructions listed below may result in serious injury.



**CAUTION:** Do not allow persons to operate or assemble this inline rake until they have read this manual and have developed a thorough understanding of how the inline rake works.



**WARNING:** The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions or situations that could occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

## SAVE THESE INSTRUCTIONS

## WORK AREA

- **Keep work area clean**, free of clutter and well lit. Cluttered and dark work areas can cause accidents.
- **Keep children and bystanders** away while operating an inline rake. Distractions can cause you to lose control, so visitors should remain at a safe distance from the work area.
- **Be aware of all power lines, electrical circuits**, water pipes and other mechanical hazards in your work area, particularly those hazards below the work surface hidden from the operator's view that may be unintentionally contacted and may cause personal harm or property damage.
- **Be alert of your surroundings**. Using an inline rake in confined work areas may put you in a dangerous situation.

## PERSONAL SAFETY

- **Stay alert**, watch what you are doing and use common sense when using an inline rake. Do not use an inline rake while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating an inline rake may result in serious personal injury.
- **Dress properly**. Do not wear loose clothing, dangling objects, or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- **Use safety apparel and equipment**. Use safety goggles or safety glasses with side shields which comply with current national standards, or when needed, a face shield. Use as dust mask in dusty work conditions. This applies to all persons in the work area. Also use non-skid safety shoes, hardhat, gloves, dust collection systems, and hearing protection when appropriate.

## INLINE RAKE USE AND CARE

- **Do not modify the inline rake in any way**. Unauthorized modification may impair the function and/or safety and could affect the life of the equipment. There are specific applications for which the inline rake was designed.
- **Always check of damaged or worn out parts before using the inline rake**. Broken parts will affect the inline rake operation. Replace or repair damaged or worn parts immediately.
- **Do not exceed the inline rake load capacity**.
- **Distribute the load evenly**. Uneven loads may cause the inline rake to tip, resulting in personal injury to the operator or others.
- **Use the inline rake on flat and level surfaces** capable of supporting the inline rake and its maximum load. Pulling or pushing a load on a slanted or uneven surface can result in loss of control.
- **Store idle inline rake**. When the inline rake is not in use, store it in a secure place out of the reach of children. Inspect it for good working condition prior to storage and before re-use.

## TOOLS RECOMMENDED FOR ASSEMBLY

- (2) 1/2" Wrenches
- (2) 3/4" Wrench
- (1) 7/8" Wrenches

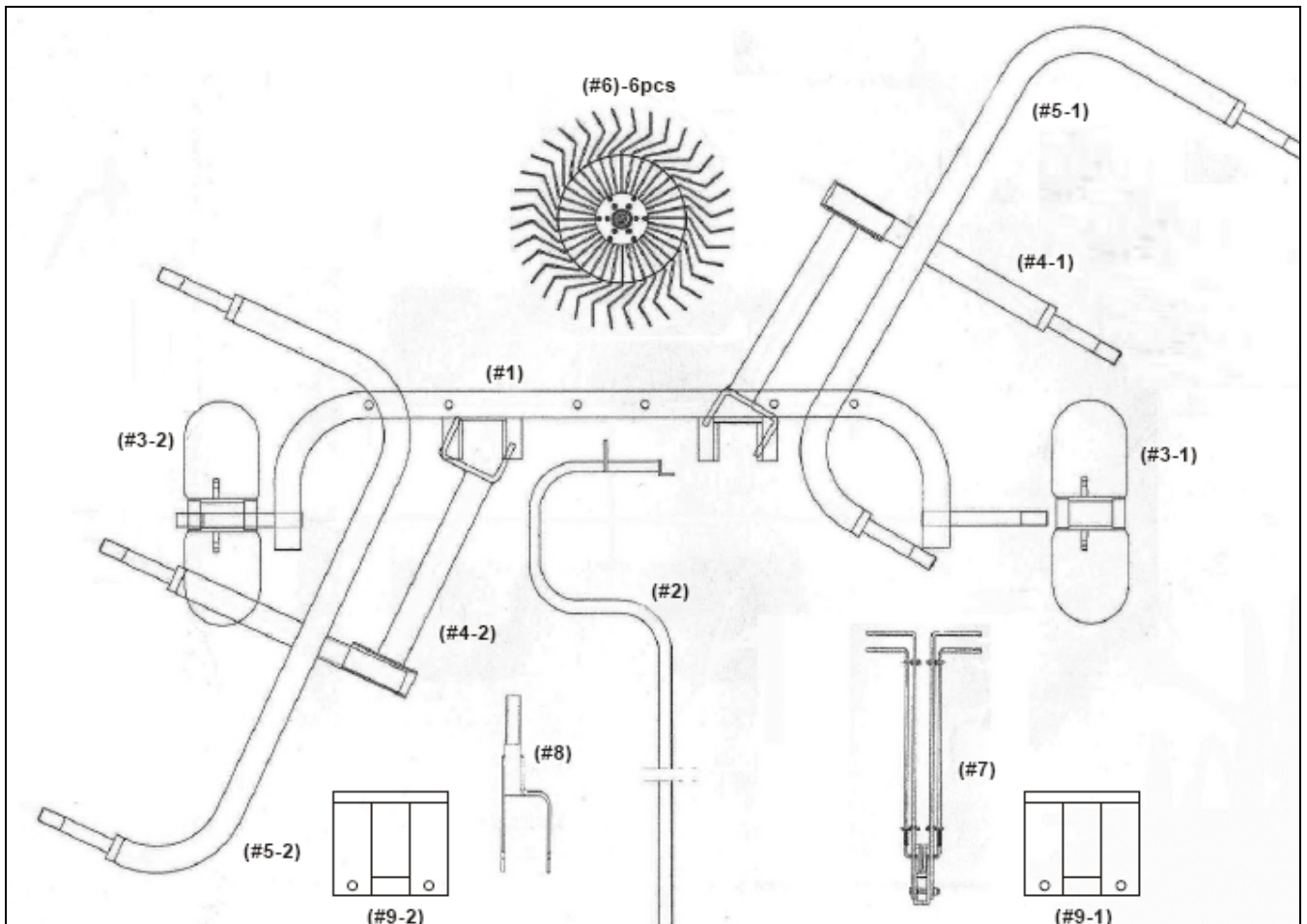
## ASSEMBLY

### CARTON CONTENTS:

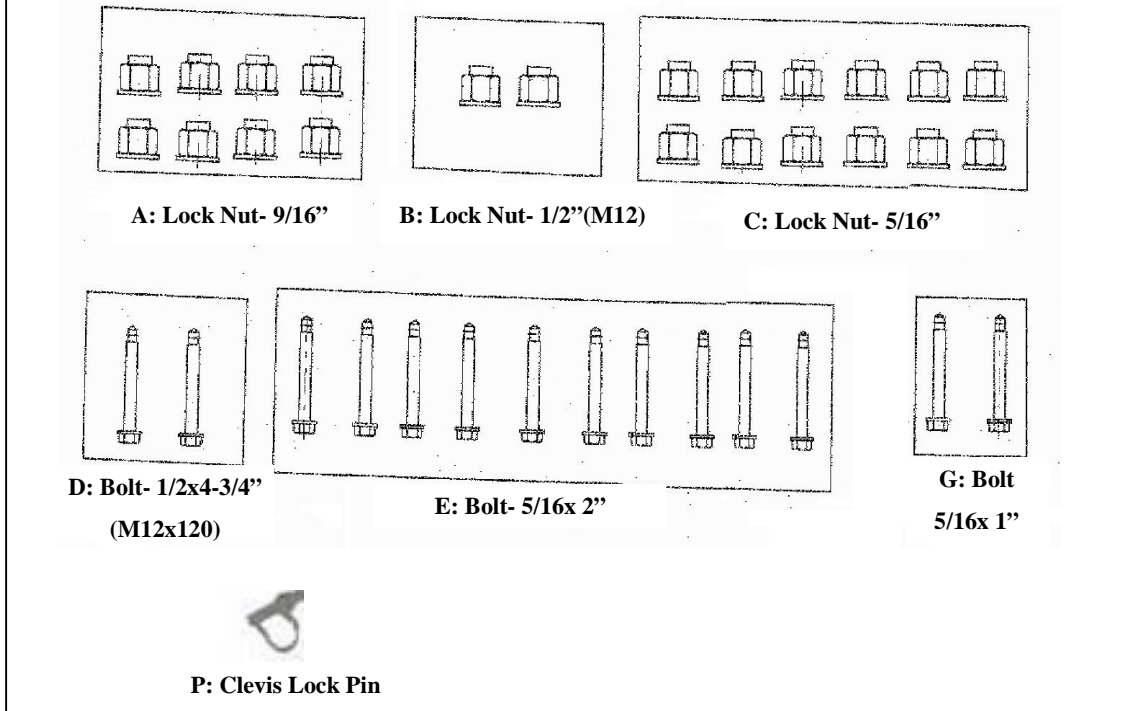
Ref.#	Quantity (PC)	Description
1	1	Axle Assembly
2	1	Tongue Assembly
3	2	Pneumatic wheel
4	2	Lift Arm Assembly

Ref.#	Quantity (PC)	Description
5	2	Rake Wheel Arm
6	6	Rake Tine Reel
7	1	Lifting Handle
8	1	Receiver Hitch
9	2	Weight Box

FIG. 1



## HARDWARE PACK CONTENTS:



**Fig, 2:** (Photo of Parts not Actual Size)

Ref. #	Qty	Description
A	8	Lock Nut 9/16"
B	2	Lock Nut 1/2" or M12
C	12	Lock Nut 5/16"
D	2	Bolt 1/2 x 4-3/4" (M12 x120)
E	10	Bolt 5/16"x2"
G	2	Bolt 5/16"x1"
N	1	Hitch Pin & Clip (not shown)
P	2	Clevis Lock Pin

# ASSEMBLING THE INLINE ACREAGE RAKE

## REFERENCE PARTS DIAGRAM FOR ASSEMBLY

**STEP 1:** Attach Axle Assembly (#1) to Tongue Assembly (#2) with two 5/16"x2" Bolts (#E) and 5/16" Lock Nuts (#C).

**STEP 2:** Attach Pneumatic Wheels (#3) to Axel Assembly (#1), and secure with 9/16" Lock Nuts (#A).

**NOTE:** Inflation valve stem of the wheel should be facing out.

**CAUTION:** DO NOT over tighten the lock nut; this can result in damage to the bearings in the wheel hub. When properly tightened, the wheel should spin freely.

**STEP 3:** Attach Lift Arm Assembly (#4) to Axle Assembly (#1) with 1/2" x 4-3/4" Bolts (#D) and 1/2" Lock Nuts (#B).



**STEP 4:** Attach Rake Wheel Arms (#5) to Lift Arm Assembly (#4) using Lock Pins (#P) on Lift Arm Assembly (#4).

**STEP 5:** Attach Lifting Handle (#7) to Tongue Assembly (#2), secure with two 5/16"x1" Bolts (#G) and 5/16" Lock Nuts (#C). Then attach the chain of Lifting Handle (#7) to Lift Arm (#4).

**STEP 6:** Attach Receiver Hitch (#8) to Tongue Assembly (#2) with two 5/16"x2" Bolts (#E) and 5/16" Lock Nuts (#C).

**STEP 7:** Attach Rake Tine Reel (#6) to Rake Wheel Arm (#5), and secure with 9/16" Lock Nut (#A).

**NOTE:** Make certain that all rake tine reels rotate in the same direction. See below fig. 4:

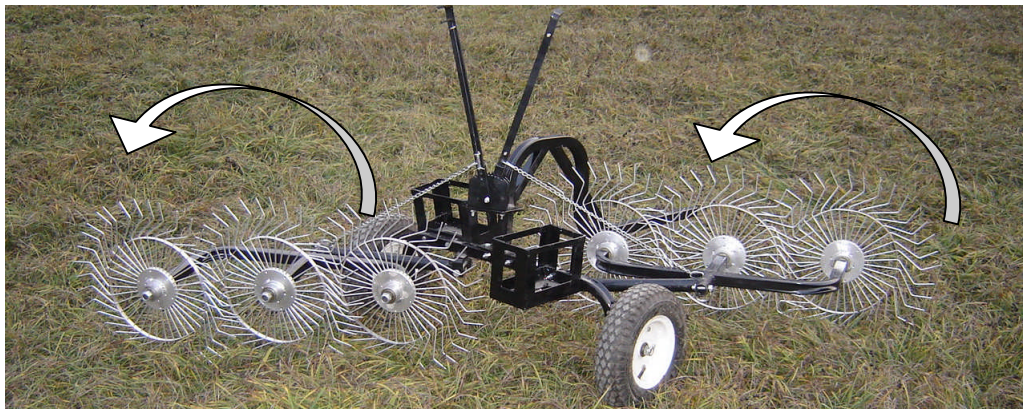


FIG.4

**STEP 8:** Attach the Right and Left Weight Boxes (#9) to the Axle Assembly (1) as shown in figure 4 using four 5/16"x2" Bolts (E) and 5/16" Lock Nuts (#C).



## RAKE TINE WHEEL MAINTENANCE:


Following these recommendations will increase the life expectancy of the Rake Tine Wheel.

1. It is recommended to Mow or Cut grass to 3" or less before Raking or De-Thatching.
2. Switch Rake Arm Assembly from side to side for Raking vs. De-Thatching.
3. Take off Rake Wheel and fully turn around, then switch Rake Arm Assembly side to side.

**This will keep Tines from bending in one direction.**

**Since all grasses are different, you may need to rotate rake wheels more often when used in thicker grass.**

## OPERATION

-  **WARNING:**
  - NEVER operate Inline Acreage Rake at speeds higher than 5 MPH.
  - Follow tire inflation printed on tires.
  - NEVER inflate tires higher than MAX PSI printed on tires.
  - When not in use, keep in a dry place.
  - Oil moving parts from time to time with household lubricant.

## MAINTENANCE

- **Maintain your inline rake.** It is recommended that the general condition of any inline rake be examined before it is used. Keep your inline rake in good repair by adopting a program of conscientious repair and maintenance. If any abnormal vibrations or noise occurs, have the problem corrected before further use. Have necessary repairs made by qualified service personnel.

For replacement parts and technical questions, please call **1-218-943-6296**.

## WARRANTY

**One-year limited warranty**



TG  
PO BOX 203  
Miltona, MN 56354  
Made in China