



AGT
INDUSTRIAL

AGT INDUSTRIAL PRODUCT MANUAL

Skid Steer Landscape Rake Attachment 72"

Model:AGT-ECSSLR72

Ver.1.1.3

TABLE OF CONTENTS

TABLE OF CONTENTS

2/9

TO THE OWNERS

3/9

SAFETY PRECAUTIONS

4/9

OPERATION INSTRUCTIONS

7/9

NOTES

9/9

TO THE OWNERS

GENERAL COMMENTS

Congratulations for having this Landscape Rake! Your Landscape Rake was carefully designed and manufactured to give you years of dependable service. Your Landscape Rake will require some minor maintenance to keep it in top working condition.

Please observe all safety precautions and maintenance procedures as described in this manual.

BEFORE OPERATION

Thoroughly read and understand the instructions given in this manual before operation. Refer to the "Safety Label" section, read all instructions noted on them.

Do not allow anyone to operate his equipment who has not fully read and comprehended this manual and who has not been properly trained in the safe operation of the equipment.

SERVICE

Please remember to use only manufacturer replacement parts. Substitute parts may not meet the standards required for safe, dependable operation.

SAFETY PRECAUTIONS

BEFORE OPERATION

1. The operator must read the operation manual carefully before installation, operation or maintenance. Improper operation will cause the machine damage or the operator death.
2. Read all the safe signs and safe declarations. Follow all the professional safe terms, local laws or the professional directions.
3. Familiar with the Landscape Rake about functions, specs and operation. Replace the to-be-damaged parts in time. Make sure all the hydraulic installations and couplings connect firmly, and all the safe signs stick on the suitable positions clearly.



IMPORTANT

1. Operator should be familiar with all functions of the unit.
2. Make sure all guards and shields are in place and secured before operating implement.
3. Keep all persons away from equipment and work area.
4. Dismounting from a moving unit can cause serious injury or death.
5. Keep hands, feet, and clothing away from power-driven parts.
6. Detach and store implement in an area where children normally do not play. Secure implement by using blocks and supports.

Always wear proper safety glasses, goggles, or a face shield when driving pins in or out, or when any operation causes dust, flying debris, or any other hazardous material.

SAFETY PRECAUTIONS

Operator Safety

- ▶ Wear protective clothing and equipment appropriate for the job. Clothing should be snug fitting without fringes and pull strings to avoid entanglement with moving parts.
- ▶ Prolonged exposure to loud noise can cause hearing impairment or hearing loss. Wear suitable hearing protection such as earmuffs or earplugs.
- ▶ Operating equipment safely requires the operators all attention, Avoid wearing radio headphones while operating machinery.

Tool Safety

- ▶ Inspect entire machine before each use. Replace damaged or worn parts.
- ▶ Check for fuel leaks and make sure all fasteners are in place and securely fastened.



SAFETY PRECAUTIONS

Wear Protective Equipment

- ▶ Escaping fluid under pressure can penetrate the skin causing serious injury.
- ▶ Avoid the hazard by relieving pressure before disconnecting hydraulic lines or performing work on the system.
- ▶ Make sure all hydraulic fluid connections are tight and all hydraulic hoses and lines are in good condition before applying pressure to the system.
- ▶ Use a piece of paper or cardboard, NOT BODY PARTS to check for suspected leaks.
- ▶ Wear protective gloves and safety glasses or goggles when working with hydraulic systems.
- ▶ DO NOT DELAY. If an accident occurs, see a doctor familiar with this type of injury immediately. Any fluid injected into the skin or eyes must be treated within a few hours or gangrene may result.

Transportation and Storing

- ▶ Store machine and fuel where fuel vapors cannot reach sour combustion like, water heaters, electric motors, switches, furnaces, etc.
- ▶ Always secure the machine with tie downs or similar restraints when transporting.
- ▶ The machine be stored in a manner that prevents it from falling, rolling or tipping.
- ▶ Tighten loose nuts, capscrews and hydraulic connections.
- ▶ Coat exposed portions of the cylinder rods with grease.
- ▶ Lubricate grease fittings.
- ▶ Seal hydraulic system from contaminants and secure all hydraulic hoses off the ground to help prevent damage.
- ▶ Store unit in a dry and protected place. Leaving the unit outside will materially shorten its life.



OPERATION INSTRUCTIONS



Warning!

- **Never lift the product above the operator's eye level or to a height where visibility is obstructed, whichever is lower.**
- **Do not roll back the product so far that the load falls off toward or on the operator.**
- **Do not lock the auxiliary hydraulics of your prime mover in the "ON" position.**
- **Keep everyone at least nine feet away from this product when operating.**

Installation

1. Place this product on a firm, level surface that is large enough to safely accommodate this product, your prime mover and all workers involved in the mounting process.
2. Refer to the operator's manual(s) for your prime mover, loader, and quick-attach and follow the mounting instructions contained therein.
3. Carefully raise the loader and cycle the rollback/dump cylinders to check clearances and to verify that all mounting procedures have been successfully completed.

Hydraulic Connection

1. Disconnect the hydraulic hose quick couplers from one another and attach the quick couplers to your prime mover as per the instructions in your prime mover's operator's manual.
2. Carefully raise the loader and cycle the rollback/dump cylinders to check hose clearances and to check for any interference. Operate the hydraulic cylinder(s) on this product to make the same checks.
3. Cycle the hydraulic cylinder(s) on this product several times from fully retracted to fully extended until all air has been completely removed from the cylinder(s).



Warning!

**Do not lock the auxiliary hydraulics of your prime mover in the "ON" position.
Failure to obey this warning could result in death or serious injury.**

OPERATION INSTRUCTIONS

Loader Raking

All raking must be done while moving backward.

1. Activate auxiliary hydraulics for operating rake chain, (If rake chain does not move but hydraulic cylinder begins to retract, activate auxiliary hydraulics in opposite direction to get rake chain to operate.)
2. Lower loader arms completely and set loader arm control in float position,
3. Tilt rake forward until the weight of the rake portion is resting on the depth adjustment plates.
4. Move prime mover slowly backward.

To achieve best possible results:

- If rake is throwing too much soil into bucket, depth adjustment plates should be placed in a lower hole on main housing.
- If the rake is slipping over items that should be collected, then the depth adjustment plates should be placed in a higher hole on the main housing.
- Multiple passes may be needed to achieve the desired results depending on what those results are and what the initial conditions are.
- The wide variety of soil types, moisture conditions, compaction levels, foliage densities, and rock and debris quantities that can be encountered mean that the operator may need to make adjustments based upon the operator's experience.

Dumping

1. Shut off auxiliary hydraulics.
2. Move to dump site and park on firm, level ground.
3. Activate auxiliary hydraulics in opposite direction of what was used to operate the rake chain. This will retract hydraulic cylinder and open main housing.
4. Raise rake about four feet above ground.
5. Dump bucket and reverse process. You are ready to resume raking.

NOTES



AGT
INDUSTRIAL

sales@agrotkindustrial.com

<https://www.agrotkindustrial.com/>