“THE UNIVERSAL ROTARY CUTTER FOR SKID STEER LOADERS”

OWNER’S MANUAL

UNIT SPECIFICATIONS

<table>
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<tr>
<th>Date Purchased:</th>
<th>Date Manufactured:</th>
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<th>Motor Type:</th>
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DO NOT EXCEED __________ GALLONS PER MINUTE!

OPERATOR MUST READ MANUAL

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Dear Customer,

Thank you and congratulations on the purchase of your new rotary cutter! We strive to manufacture the best hydraulic rotary cutter for skid steer loaders on the market today. No matter which unit you purchase, you can rest assured that it was manufactured to rigid quality standards, utilizing the highest technology in hydraulic system components available to date. All of our units feature breakaway blades, the ability to cut bi-directional, as well as built-in cushion valves for smooth shut-down and reduced wear on the hydraulic motor. Our cutters were designed and manufactured to cut nearly all types of brush, shrubs and small trees over a wide variety of terrains. When attached to your skid steer loader, it is highly maneuverable for close cutting in tight areas.

Please take the time to thoroughly read this informative owner’s manual. Be sure to pay particularly close attention to the safety portion of this manual. Remember, the safety guidelines that are mentioned in this manual are not only for your safety, but also for the safety of others. Only with a complete understanding of your cutter will you be able to operate it to its full potential.

Thank you again for your purchase. As always, if you have any questions about your rotary cutter, or would like to give us feedback, please feel free to contact us through one of the methods above. A member of our staff will be happy to help you in any way that we can.

Sincerely,

Solesbee’s Equipment & Attachments LLC

* SUBJECT TO CHANGE WITHOUT NOTICE
LIMITED WARRANTY
Solesbee’s Equipment & Attachments, LLC warrants each new rotary cutter unit to be free from defects in materials and workmanship for a period of ONE YEAR from the date of purchase if the unit has been properly maintained and lubricated as directed according to the operation and maintenance instructions listed in this manual. Solesbee’s will replace, free of charge, any component that is defective due to quality of material or workmanship for the one year period.

NON-COVERED ITEMS
The above limited warranty does not include nor cover: blades, blade bolts or hoses. Wear of these items is a direct result from normal and recommended use.

EXCLUSIONS TO THE LIMITED WARRANTY
Repairs to any component of this machine performed by any firm or individual other than Solesbee’s will void all warranties. Replacement parts not supplied by Solesbee’s will void all warranties. Damage due to repairs, accidents, or operator abuse and neglect, and failure to maintain this machine according to the maintenance and operation instruction listed in this manual, will void all warranties. Disassembly of the motor will VOID motor warranty! Use of a standard flow rotary cutter on a “high flow” skid steer loader will cause damage to the cutter’s hydraulic motor. Such use shall VOID all warranties!

WARRANTY STATEMENT
Our obligation under this Limited Warranty shall be solely limited to repairing or replacing any part (excluding blades, blade bolts and hoses) free of charge that, according to our judgment, shows evidence of a defect in quality of material or workmanship for the stated one year warranty period. All defective parts must be routed directly to us with freight or delivery charges being pre-paid. This Limited Warranty shall not be interpreted to render Solesbee’s Equipment & Attachments, LLC liable for any injury or damage to persons, business or property of any kind, nor expenses or losses incurred for labor, supplies, substitute machinery rental, or any other reason. Repaired or replaced parts are subject to the supply conditions at the time of repair or replacement, which may directly affect our ability to obtain materials and/or replacement parts. Solesbee’s reserves the right to make improvements in design or changes in specifications at any time, without incurring any obligations to owners of previously purchased units. No one but Solesbee’s is allowed to alter, modify or enlarge this warranty nor the exclusions, limitations and reservation at any time.
IMPORTANT SAFETY PRECAUTIONS

Look for the symbol throughout this manual to point out important safety precautions. Remember, the safety of both yourself and others is involved in the operation of this equipment.

GENERAL WARNINGS

- NEVER operate this or any other equipment under the influence of drugs or alcohol.
- NEVER carry passengers on the rotary cutter.
- NEVER leave the rotary cutter unattended in a raised position.
- ALWAYS stop and inspect both the skid steer loader and cutter for damage after striking a foreign object. Any damage should be repaired prior to restarting the skid steer loader engine and resuming cutting.
- Cut only in daylight or well-lit artificial light.
- Keep all nut, bolts and screws tight and be sure the equipment is in safe operating condition and check the blade mounting bolts for proper tightness at frequent intervals.
- If attached to your skid steer loader, visually inspect your lock-on pins to ensure that the rotary cutter is locked onto your skid steer loader. Remember, the rotary cutter is made of all steel components and is extremely heavy.
- When working under the deck of the rotary cutter, always securely block it up to reduce the risk of falling.
- Reduce speeds on slopes and make turns gradually to prevent tipping or loss of control. Exercise extreme caution while making turns on slopes.
- Stay alert for holes or drop-offs on all terrains.
- Use caution when walking on the deck of the rotary cutter. The deck may be extremely slick when wet.
- NEVER operate your rotary cutter with the deck raised more than two (2) feet.
- ALWAYS operate with safety chain attached.
- KEEP CHILDREN AWAY FROM THE CUTTING AREA AT ALL TIMES.

DEBRIS DISCHARGE WARNINGS

- Units discharge debris out the front of the machine. When cutting with the rotary cutter, NEVER discharge material toward bystanders. All bystanders must be AT LEAST 75 feet away when operating the cutter. NEVER allow bystanders near the machine while it is in operation. When cutting near bystanders is unavoidable, DO NOT operate the cutter without the front guard flap in place (if equipped with guard flap).
- ALWAYS clear the cutting area of objects (bottles, rocks, fencing, wire, etc.) that may be picked up and thrown.
- ALWAYS use a shatterproof cab door or the 3/8” thick safety door that came with your rotary cutter (optional) when cutting. The door is used not only to protect the operator from flying debris, but also from overhanging or protruding objects (tree limbs, rebar, vines, etc.) from entering the cab and causing operator injury.
IMPORTANT SAFETY PRECAUTIONS

ROTATING PARTS WARNINGS
- ALWAYS disengage power to the rotary cutter and shut the skid steer loader engine off prior to leaving the operator’s cab or performing any inspection or maintenance to either the rotary cutter or the skid steer loader.
- NEVER place hands or feet under the rotary cutter deck or near the blade system while the unit is in operation.
- NEVER articulate (roll) the deck downward to a degree that exposes the operator to the blade system.

HYDRAULIC SYSTEM WARNINGS
- ALWAYS release the pressure on the hydraulic system of the cutter prior to removing the attachment from the skid steer loader or working on any part of the hydraulic system. Hydraulic hoses and components operate under extreme pressure and heat. A small stream of fluid from a pinhole leak in a hydraulic hose can penetrate the skin and/or cause burns. Whenever hydraulic fluid is injected into the body, seek medical attention at once to reduce chances of a dangerous infection. ALWAYS wash skin with soap and water after contact with hydraulic fluid, as it is an irritant to skin and eyes.
- Rotary cutters have been designed to reduce the likelihood of hydraulic system leakage. Each and every hydraulic system is checked prior to shipment. However, over time, any hydraulic system may develop fluid leaks. Very small leaks may produce high-pressure discharge flows capable of causing injury should skin come in contact with such discharge.
- Leaking fluid can make the deck and ground surfaces very slippery, causing difficulty in using tools and also increasing the possibility of slips and falls. ALWAYS wipe away all fluid that may have leaked during maintenance.
- NEVER operate a rotary cutter on a “high-flow” skid steer loader unless the cutter is equipped with a “high-flow” motor. Motor failure can occur if such use is performed. Solesbee’s is NOT RESPONSIBLE for damage incurred to the hydraulic motor due to “high-flow” usage. Please refer to the front cover of the manual for the maximum allowable flow for your rotary cutter.
OPERATING INSTRUCTIONS

ATTACHMENT TO MACHINE
The installation of your rotary cutter is the same for any other powered attachment for your skid steer loader:

1. Pull up to the rotary cutter and connect it to your skid steer loader.
2. Secure the lock down lever or levers.
3. Connect the hydraulic hoses from the rotary cutter to your machine. The hoses provided are equipped with quick-disconnect fittings (both male and female) for ease of use.

CUTTING OPERATION
The rotary cutter is capable of, and in fact intended to be utilized for, mulching trees and other vegetation of varying heights and diameters of up to 3” – 4”. As a safety feature, when cutting large diameter vegetation, the rotary cutter is equipped with a hydraulic motor cushion valve for shut down of the blade system. This feature lessens the chance of damaging the cutter’s hydraulic system or blade system when cutting larger diameter vegetation. Directions for use are as follows:

CUTTING GROUND LEVEL VEGETATION
Raise the rear of the rotary cutter approximately 4” – 5” above ground level. The deck of the rotary cutter should be sloping downward and away from the operator. This is the optimum position for cutting materials that are close to the ground. Please note: If the operator can see the blade system in operation, the back of the rotary cutter is raised TOO HIGH!

CUTTING ABOVE GROUND LEVEL VEGETATION
Raise the front deck of the rotary cutter up approximately 1’ – 2’ above ground level. Do not lift the rear portion of the deck. Keep it approximately 4” – 5” above ground level. Slowly drive into the vegetation and use the hydraulic tilt (roll) the bend or push the vegetation over. As you bend the vegetation over and drive into it, the blades will cut it into. The vegetation can now be mulched by rotating the front of the rotary cutter and driving forward several feet. Then roll the back of the cutter down and back-drag atop the vegetation.

OPERATING WARNING
Before operating and after 8 hours of use, check torque on all bolts and nuts.
REPAIR AND MAINTENANCE INSTRUCTIONS

⚠️ PRE-MAINTENANCE & REPAIR STEPS
Prior to performing any repair or maintenance work on your cutter, make sure that the following steps are ALWAYS followed:
1. Visually verify that the lock-down pins are fully engaged through the quick attach.
2. Release the pressure on the rotary cutter’s hydraulic hoses.
3. Turn the skid steer loader engine off.
4. Disconnect the hydraulic hoses that connect to the skid steer loader.

⚠️ OPERATING WARNING
Before operating and after 8 hours of use, check torque on all bolts and nuts.

BLADE REMOVAL
1. Follow ALL steps in the “Pre-Maintenance & Repair Steps” at the top of this page.
2. SLOWLY rotate the blade carrier until the blade-attaching nut is aligned in the access hole.
3. From the top of the deck, insert a socket through the access hole onto the blade nut. Remove the nut and insure that the blade drops to the ground. Repeat the process for the remaining blades.
4. After the nuts have been removed and the blades have dropped, back up the skid steer loader and cutter to retrieve the blades.
5. After retrieving the blades, lower the cutter back to the ground and shut the skid steer loader engine down.
6. Inspect the blades for damage and determine if the blades need to be sharpened or replaced.

⚠️ SAFETY NOTE: When sharpening or replacing the cutting blades, ALL blades must be sharpened or replaced to ensure proper blade balance. NEVER mix sharpened blades with new blades.

BLADE INSTALLATION
1. Follow ALL steps in the “Pre-Maintenance & Repair Steps” at the top of this page.
2. Tilt the front of the cutter up.
3. Securely position a 4” x 4” post, or equivalent strength strut, under the front of the cutter and SLOWLY rotate the blade carrier until the blade-attaching nut is aligned in the access hole. In lieu of using a 4” x 4” post or other strut, the rotary cutter can be leaned against the trunk of a large tree and allowed to stay in such position until the blade holder is removed. If the latter method is chosen, remember to scotch or chock the skid steer loader’s tires with a brick, log or other appropriate strength item.
4. Insert the bolt up through the hole in the blade and the blade holder. Insert the lock-washer and nut through the access hole and hand-tighten.
5. Use the socket to finish tightening the nut through the access hole that is located on top of the deck. The nut should be tightened with a torque wrench to 650 ft-lbs.
6. Carefully remove the 4” x 4” or other strut and lower the cutter to the ground.
REPAIR AND MAINTENANCE INSTRUCTIONS

BLADE HOLDER REMOVAL
1. Follow ALL steps in the “Pre-Maintenance & Repair Steps” at the top of page 8.
2. Tilt the cutter deck at a near vertical angle. Carefully and securely position a 4” x 4” post, or equivalent strength strut, under the rear portion of the cutter deck. In lieu of using a 4” x 4” post or other strut, the front portion of the rotary cutter’s deck can be leaned against the trunk of a large tree and allowed to stay in such position until the blade holder is removed. If the latter method is chosen, remember to scotch or chock the skid steer loader’s tires with a brick, log or other appropriate strength item.
3. Remove cap then cotter pin and castle nut that secures the blade holder to the gearbox. Be careful in performing this step, as it is possible that the blade holder will fall and cause bodily damage.
   **THE BLADE HOLDER IS HEAVY!!!**
4. Restart the skid steer loader’s engine and slowly but firmly strike (if required) the bottom portion of the rotary cutter’s deck on the ground. Repeatedly strike the rotary cutter on the ground until the blade holder falls off.

BLADE HOLDER INSTALLATION
1. Follow ALL steps in the “Pre-Maintenance & Repair Steps” at the top of page 8.
2. Reposition the cutter in a near vertical position. Position the strut back under the rear portion of the deck, or lean the front portion of the deck back against the tree.
3. Carefully place the blade holder back into position on the shaft of the gearbox, making sure that the splines in the shaft match up to the grooves on the shaft. Be careful in performing this step as it is possible that the blade holder can fall and cause bodily damage.
4. Screw the castle nut back onto the shaft and place the cotter pin back into the hole on the shaft. Use threadlock and screw cap on. Remember to bend at least one of the prongs on the cotter pin.

HYDRAULIC HOSE REMOVAL
1. Follow ALL steps in the “Pre-Maintenance & Repair Steps” at the top of page 8.
2. Mark or otherwise document the proper location of each hose. The hoses can be identified by either having a male or a female quick-disconnect coupling.
3. Using a crescent wrench, loosen the hose connectors at the motor.

HYDRAULIC HOSE INSTALLATION
1. Follow ALL steps in the “Pre-Maintenance & Repair Steps” at the top of page 8.
2. Identify the proper location for each hose on the hydraulic motor.
3. Hand-tighten each hose connector. Perform final tightening with a crescent wrench.
   Note: **DO NOT** use Teflon tape or any other thread bonding material when installing the hoses into the hydraulic motor.

QUICK-DISCONNECT COUPLING REMOVAL
1. Follow ALL steps in the “Pre-Maintenance & Repair Steps” at the top of page 8.
2. Using masking tape, label each hose with a mark indicating which coupling was on it.
3. Use two crescent wrenches to remove the quick-disconnect couplings. One will be used on the hose end and the other will be used on the coupling.
REPAIR AND MAINTENANCE INSTRUCTIONS

QUICK-DISCONNECT COUPLING INSTALLATION
1. Follow ALL steps in the “Pre-Maintenance & Repair Steps” at the top of page 8.
2. Refer to the masking tape used in the previous step for reference of the location of each quick-disconnect coupling.
3. Apply either Teflon tape or another thread bonding material to the threads of the hose end.
4. Hand-tighten each quick-disconnect coupling onto each hose. Use two crescent wrenches to tighten each coupling. One will be used on the hose end and the other will be used on the coupling.

HYDRAULIC MOTOR REMOVAL
1. Follow ALL steps in the “Pre-Maintenance & Repair Steps” at the top of page 8.
2. Remove the hydraulic hoses (if required) according to the directions above.
3. Loosen the bolts that attach the hydraulic motor to the motor bracket and remove the motor.

HYDRAULIC MOTOR INSTALLATION
1. Follow ALL steps in the “Pre-Maintenance & Repair Steps” at the top of page 8.
2. Place the coupler onto the gearbox in original position, then slide motor into coupler, making sure to line the boltholes up.
3. Secure the motor to the gearbox with the bolts removed in the previous step.

GEARBOX REMOVAL
1. Follow ALL steps in the “Pre-Maintenance & Repair Steps” at the top of page 8.
2. Remove the blade holder according to the directions above.
3. Remove the hydraulic motor and hoses according to the directions above.
4. Unbolt the nuts that hold the gearbox to the deck of the rotary cutter.

GEARBOX INSTALLATION
1. Follow ALL steps in the “Pre-Maintenance & Repair Steps” at the top of page 8.
2. Secure the gearbox to the deck using the nuts removed in the previous step.
3. Mount the hydraulic motor to the gearbox according to the directions above.
4. Mount the blade holder to the underside of the gearbox according to the directions above.

GEARBOX LUBRICATION
1. Follow ALL steps in the “Pre-Maintenance & Repair Steps” at the top of page 8.
2. Unscrew top vent plug and oil fill plug that is located on the back of the gearbox.
3. Using gear oil, fill in the top vent hole until oil drains out fill hole. DO NOT use any other type of oil as it may cause damage to the gearbox.
4. Screw the oil plug and vent plug back into the threaded hole.
PARTS LIST

1. HYDRAULIC MOTOR
2. GEARBOX
3. 1/2” HYDRAULIC HOSES
4. 1/2” QUICK-DISCONNECT COUPLINGS (MALE AND FEMALE)
5. BLADE HOLDER
6. BLADE
7. BLADE BOLT
8. CASTLE NUT (WITH WASHER AND COTTER PIN)
9. GEARBOX / MOTOR COUPLER
10. SKID TAPE
11. STICKER
12. DANGER STICKER

“THE UNIVERSAL ROTARY CUTTER FOR SKID STEER LOADERS”