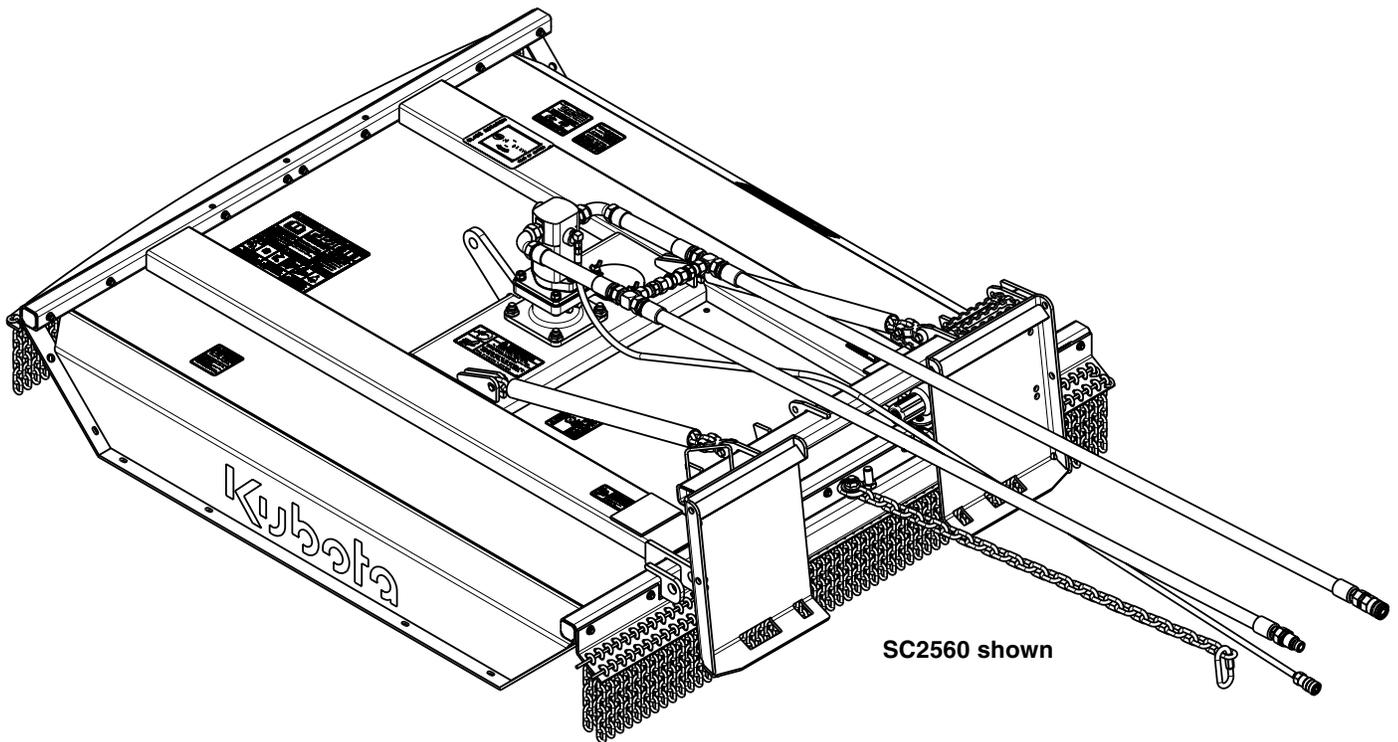


Rotary Cutter

AP-SC2560 & AP-SC2572 Skid Steer



39165

326-836MK Operator's Manual



Read the Operator's Manual entirely. When you see this symbol, the subsequent instructions and warnings are serious - follow without exception. Your life and the lives of others depend on it!

Cover photo may show optional equipment not supplied with standard unit.

For an Operator's Manual and Decal Kit in French Language, please see your Kubota dealer.

Kubota®

Machine Identification

Record your machine details in the log below. If you replace this manual, be sure to transfer this information to the new manual.

If you, or the dealer, have added Options not originally ordered with the machine, or removed Options that were originally ordered, the weights and measurements are no longer accurate for your machine. Update the record by adding the machine weight and measurements provided in the Specifications & Capacities Section of this manual with the Option(s) weight and measurements.

Model Number	
Serial Number	
Machine Height	
Machine Length	
Machine Width	
Machine Weight	
Delivery Date	
First Operation	
Accessories	<hr/> <hr/> <hr/>

Dealer Contact Information

Name: _____

Street: _____

City/State: _____

Telephone: _____

Email: _____

California Proposition 65

 **WARNING:** Handling passenger or off-highway motor vehicle parts can expose you to chemicals such as phthalates and lead, which can cause cancer and reproductive harm. To minimize exposure, service the vehicle in a well-ventilated area, wear gloves, and wash your hands. For more information see www.P65Warnings.ca.gov/motor-vehicle-parts.

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Printed in the United States of America.

See previous page for Table of Contents.



Parts Manual QR Locator

The QR (Quick Reference) code on the left will take you to the Parts Manual for this equipment. Download the appropriate app on your smart phone. Scan the QR code and take a picture.



Dealer QR Locator

The QR code on the left will link you to available dealers for Kubota products. Refer to Parts Manual QR Locator on this page for detailed instructions.

Listed below are common practices that may or may not be applicable to the products described in this manual.

Safety at All Times

Careful operation is your best assurance against an accident.

All operators, no matter how much experience they may have, should carefully read this manual and other related manuals before operating the power machine and this attachment.

- ▲ Thoroughly read and understand the "Safety Label" section. Read all instructions noted on them.
- ▲ Do not operate the equipment while under the influence of drugs or alcohol, as they impair your ability to safely and properly operate the equipment.
- ▲ Operator should be familiar with all functions of the skid steer / track loader and attachment and be able to handle emergencies quickly.
- ▲ Make sure all guards and shields appropriate for the operation are in place and secured before operating the attachment.
- ▲ Keep all bystanders away from equipment and work area.
- ▲ Start skid steer or track loader from the driver's seat with steering levers and hydraulic controls in neutral.
- ▲ Operate skid steer or track loader and controls from the driver's seat only.
- ▲ Never dismount from a moving skid steer / track loader or leave the machine unattended with the engine running.
- ▲ Do not allow anyone to stand between the attachment and skid steer or track loader while connecting to the attachment.
- ▲ Keep hands, feet, and clothing away from power-driven parts.
- ▲ While transporting and operating equipment, watch out for objects overhead and along the sides such as fences, trees, buildings, wires, etc.
- ▲ Store attachment in an area where children normally do not play. When needed, secure attachment against falling with support blocks.



Look for the Safety Alert Symbol

The SAFETY ALERT SYMBOL indicates there is a potential hazard to personal safety and extra precaution must be taken. When you see this symbol, be alert and carefully read the message that follows it. Hazard control, and accident prevention are dependent upon the awareness, concern, prudence, and proper training of personnel involved in the operation, transport, maintenance, and storage of equipment.

Be Aware of Signal Words

A signal word designates a degree or level of hazard seriousness. They are:

- ▲ **DANGER:** Indicates a hazardous situation that, if not avoided, will result in death or serious injury.
- ▲ **WARNING:** Indicates a hazardous situation that, if not avoided, could result in death or serious injury.
- ▲ **CAUTION:** Indicates a hazardous situation that, if not avoided, may result in minor or moderate injury.

Be Aware of Special Notices

Special notices are intended to point out important and helpful information that should be followed. They are usually placed inside a box. They are:

- ▲ **IMPORTANT:** Indicates that equipment or property damage could result if instructions are not followed.
- ▲ **NOTE:** Indicates supplementary explanations that will be helpful when using the equipment.

Safety Precautions for Children

Tragedy can occur if the operator is not alert to the presence of children. Children generally are attracted to attachments and their work.

- ▲ Never assume children will remain where you last saw them.
- ▲ Keep children out of the work area and under the watchful eye of a responsible adult.
- ▲ Be alert and shut the attachment and skid steer/track loader down if children enter the work area.
- ▲ Never carry children on the power machine or attachment. There is not a safe place for them to ride. They may fall off and be run over or interfere with the control of the power machine.
- ▲ Never allow children to operate the power machine, even under adult supervision.
- ▲ Never allow children to play on the power machine or attachment.
- ▲ Use extra caution when backing up. Before the power machine starts to move, look down and behind to make sure the area is clear.

Listed below are common practices that may or may not be applicable to the products described in this manual.

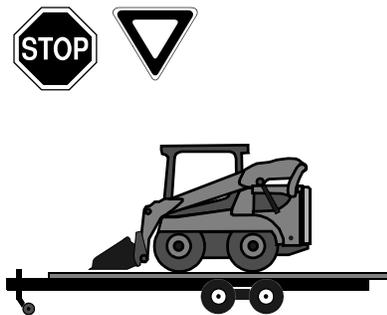
Dig Safe - Avoid Underground Utilities

- ▲ USA: Call 811
CAN:
<http://www.clickbeforeyoudig.com>
- ▲ Always contact your local utility companies (electrical, telephone, gas, water, sewer, and others) before digging so that they may mark the location of any underground services in the area.
- ▲ Be sure to ask how close you can work to the marks they positioned.



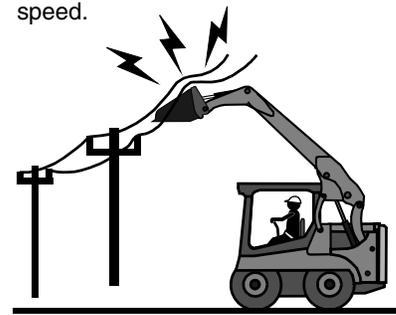
Towing Safely

- ▲ Comply with federal, state, and local laws.
- ▲ Use towing vehicle and trailer of adequate size and capacity. Secure equipment towed on a trailer with chocks, tie downs, and chains.
- ▲ **IMPORTANT:** Do not tow a load that is more than double the weight of the vehicle towing the load.
- ▲ Sudden braking can cause a towed trailer to swerve unexpectedly. Reduce speed if trailer is not equipped with brakes.



Transport Safely

- ▲ Comply with federal, state, and local laws.
- ▲ Avoid contact with any overhead utility lines or electrically charged conductors.
- ▲ Always drive with attachment on the end of the loader arms low to the ground.
- ▲ Follow recommendations in the power machine Operator's Manual when driving uphill or downhill and when parking on an incline.
- ▲ Never travel at a speed which does not allow adequate control of the load, steering, and stopping. Some rough terrains require a slower speed.



Tire Safety

- ▲ Tire changing can be dangerous and must be performed by trained personnel using the correct tools and equipment.
- ▲ Always properly match the wheel size to the properly sized tire.
- ▲ Always maintain correct tire pressure. Do not inflate tires above recommended pressures shown in the Operator's Manual.
- ▲ When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand to one side and NOT in front of or over the tire assembly. Use a safety cage if available.
- ▲ Securely support the attachment when changing a wheel.
- ▲ When removing and installing wheels, use wheel handling equipment adequate for the weight involved.
- ▲ Make sure wheel bolts have been tightened to the specified torque.



Practice Safe Maintenance

- ▲ Understand procedure before doing work. Refer to the Operator's Manual for additional information.
- ▲ Work on a level surface in a clean, dry area that is well-lit.
- ▲ Lower attachment to the ground and follow all shutdown procedures before leaving the operator's seat to perform maintenance.
- ▲ Do not work under any hydraulically supported equipment. It can settle, suddenly leak down, or be lowered accidentally. If it is necessary to work under the equipment, securely support it with stands or suitable blocking beforehand.
- ▲ Use properly grounded electrical outlets and tools.
- ▲ Use correct tools and equipment for the job that are in good condition.
- ▲ Allow equipment to cool before working on it.

- ▲ Disconnect battery ground cable (-) before servicing or adjusting electrical systems or before welding on equipment.
- ▲ Inspect all parts. Make certain that parts are in good condition & installed properly.
- ▲ Replace parts on this attachment with genuine Kubota parts only. Do not alter this attachment in a way which will adversely affect its performance.
- ▲ Do not grease or oil attachment while it is in operation.
- ▲ Remove buildup of grease, oil, or debris.
- ▲ Always make sure any material and waste products from the repair and maintenance of the attachment are properly collected and disposed of.
- ▲ Remove all tools and unused parts from the equipment before operation.



These are common practices that may or may not be applicable to the products described in this manual.

Prepare for Emergencies

- ▲ Be prepared if a fire starts.
- ▲ Keep a first aid kit and fire extinguisher handy.
- ▲ Keep emergency numbers for doctor, ambulance, hospital, and fire department near phone.

Wear Personal Protective Equipment (PPE)

- ▲ Wear protective clothing and equipment appropriate for the job such as safety shoes, safety glasses, hard hat, dust mask, and ear plugs.
- ▲ Clothing should fit snug 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 a machine safely requires the operator's full attention. Avoid wearing headphones while operating equipment.

Avoid High Pressure Fluids

- ▲ Escaping fluid under pressure will penetrate the skin or eyes causing serious injury.
- ▲ Relieve all residual pressure before disconnecting hydraulic lines or performing work on the hydraulic system.
- ▲ Make sure all hydraulic fluid connections are properly tightened/torqued and all hydraulic hoses and lines are in good condition before applying pressure to the system.
- ▲ Use a piece of cardboard or wood, 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, seek immediate emergency medical care or gangrene may result.

Use Safety Lights and Devices

- ▲ A slow moving power machine can create a hazard when driven on public roads. They are difficult to see, especially at night.
- ▲ Flashing warning lights and turn signals are recommended whenever driving on public roads.
- ▲ For tractors and other agriculture equipment, a Slow Moving Vehicle (SMV) sign is required when traveling on public roads.

Use Seat Belt and ROPS

- ▲ Land Pride recommends the use of a CAB or roll-over-protective-structures (ROPS) and seat belt in almost all power machines. Combination of a CAB or ROPS and seat belt will reduce the risk of serious injury or death if the power machine should be upset.
- ▲ If ROPS is in the locked-up position, fasten seat belt snugly and securely to help protect the operator against serious injury or death from falling and/or machine overturn.

Keep Riders Off Machinery

- ▲ Never carry riders on the power machine or attachment.
- ▲ Riders obstruct operator's view and interfere with the control of the power machine.
- ▲ Riders can be struck by objects or thrown from the equipment.
- ▲ Never use the power machine or attachment to lift or transport riders.

Listed below are common practices that may or may not be applicable to the products described in this manual.

Avoid Crystalline Silica (Quartz) Dust

Because crystalline silica is a basic component of sand and granite, many activities at construction sites produce dust containing crystalline silica. Trenching, sawing, and boring of material containing crystalline silica can produce dust containing crystalline silica particles. This dust can cause serious injury to the lungs (silicosis).

There are guidelines which should be followed if crystalline silica (quartz) is present in the dust.



- ▲ Be aware of and follow OSHA (or other local, State, or Federal) guidelines for exposure to airborne crystalline silica.
- ▲ Know the work operations where exposure to crystalline silica may occur.
- ▲ Participate in air monitoring or training programs offered by the employer.
- ▲ Be aware of and use optional equipment controls such as water sprays, local exhaust ventilation, and enclosed cabs with positive pressure air conditioning if the machine has such equipment. Otherwise respirators shall be worn.
- ▲ Where respirators are required, wear a respirator approved for protection against crystalline silica containing dust. Do not alter respirator in any way. Workers who use tight-fitting respirators can not have beards/mustaches which interfere with the respirator seal to the face.
- ▲ If possible, change into disposable or washable work clothes at the work site; shower and change into clean clothing before leaving the work site.
- ▲ Do not eat, drink, use tobacco products, or apply cosmetics in areas where there is dust containing crystalline silica.
- ▲ Store food, drink, and personal belongings away from the work area.
- ▲ Wash hands and face before eating, drinking, smoking, or applying cosmetics after leaving the exposure area.

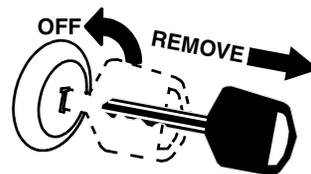
Handle Chemicals Properly

- ▲ Protective clothing should be worn.
- ▲ Handle all chemicals with care.
- ▲ Follow instructions on container label.
- ▲ Agricultural chemicals can be dangerous. Improper use can seriously injure persons, animals, plants, soil, and property.
- ▲ Inhaling smoke from any type of chemical fire can be a serious health hazard.
- ▲ Store or dispose of unused chemicals as specified by the chemical manufacturer.



Skid Steer / Track Loader Shutdown And Storage

- ▲ Reduce engine speed and shut-off all power to the attachment.
- ▲ Park on solid, level ground and lower attachment until it is flat on the ground or on non-concrete support blocks.
- ▲ Turn-off engine using the power-off switch or turn ignition key to stop. Do not remove key at this time.
- ▲ Relieve all hydraulic pressures.
 - If using a power-off switch, follow your machine Operator's Manual for instructions on how to release hydraulic pressure in the lines.
 - If using an ignition key, turn key to "RUN" and move joysticks to release hydraulic pressure in the lines. Finish by turning ignition key to off and removing it to prevent unauthorized starting.
- ▲ If included, raise seat bar and move controls until both lock.
- ▲ Wait for all components to stop before leaving operator's seat.
- ▲ Use steps, grab-handles and anti-slip surfaces when stepping on and off the skid steer or track loader.



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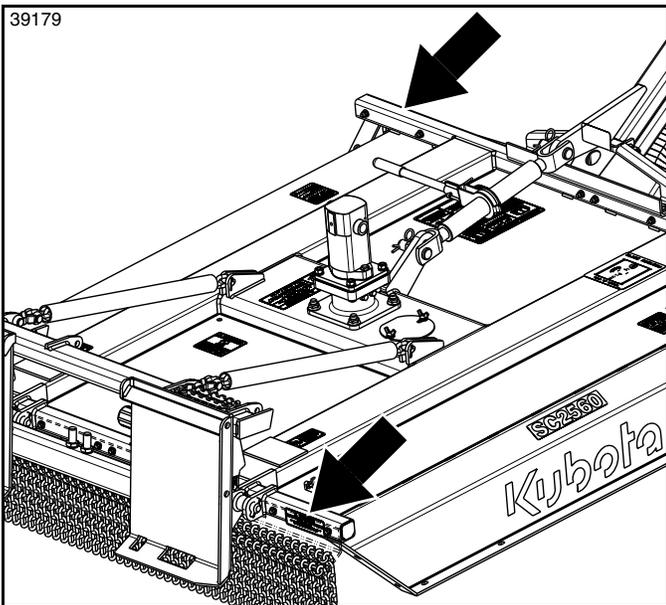
Safety Labels

Your Rotary Cutter comes equipped with all safety labels in place. They are designed to help you safely operate your attachment. Read and follow their directions.

1. Keep all safety labels clean and legible.
2. Refer to this section for proper label placement. Replace all damaged or missing labels. Order new labels from your nearest Kubota dealer. To find your nearest dealer, visit our dealer locator at www.landpride.com.
3. Some new equipment installed during repair requires safety labels to be affixed to the replaced component as

specified by Kubota. When ordering new components make sure the correct safety labels are included in the request.

4. Refer to this section for proper label placement. To install new labels:
 - a. Clean surface area where label is to be placed.
 - b. Spray soapy water onto the cleaned area.
 - c. Peel backing from label and press label firmly onto the surface.
 - d. Squeeze out air bubbles with edge of a credit card or with a similar type of straight edge.

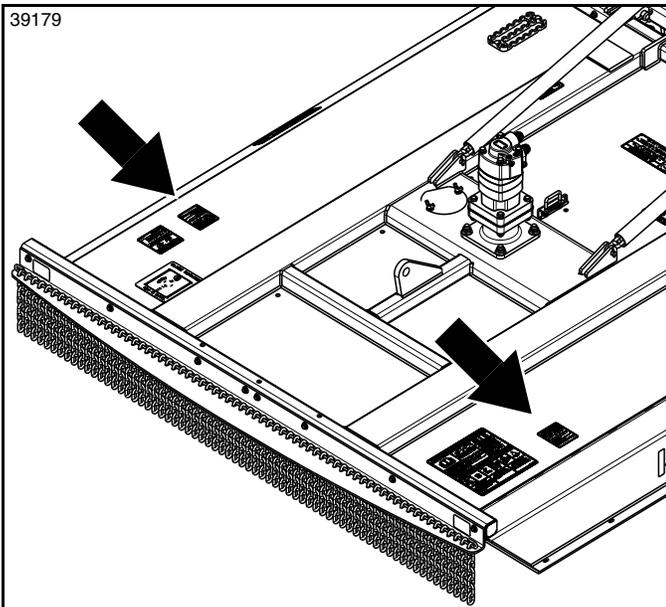


70252

848-088C

Danger: Guard Missing Hazard, Do Not Operate

2 Places: Located between rear chain guard and mount and between front chain guard and mount

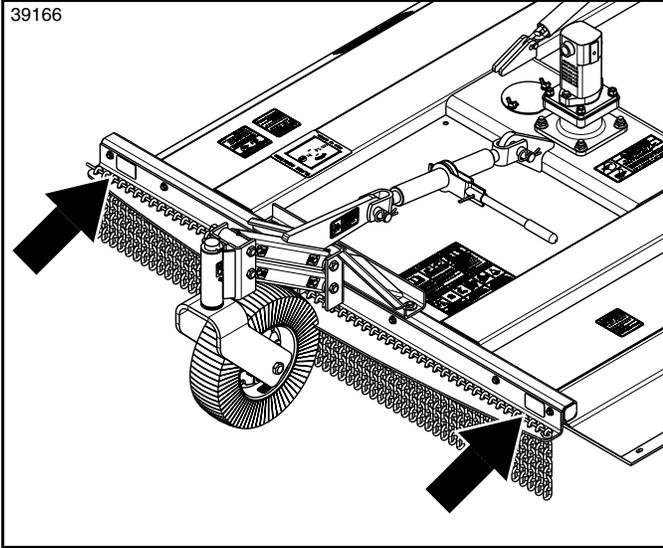


70397

858-843C

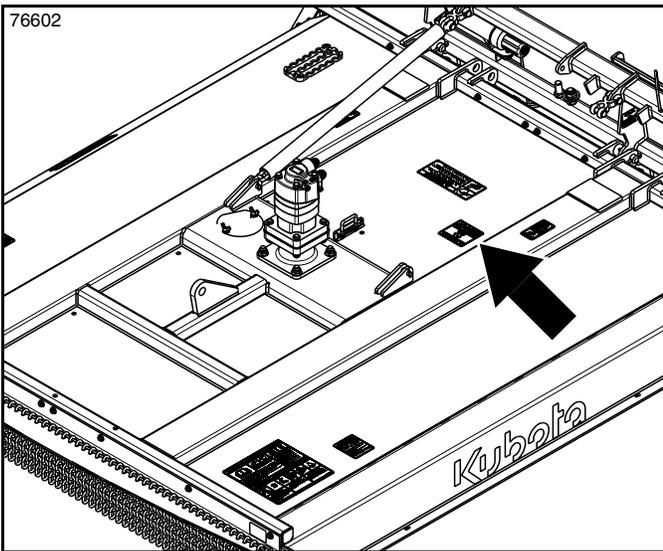
Danger: Missing Guards, Polycarbonate Door, and/or Check Chain Safety Hazard

2 Places



70137

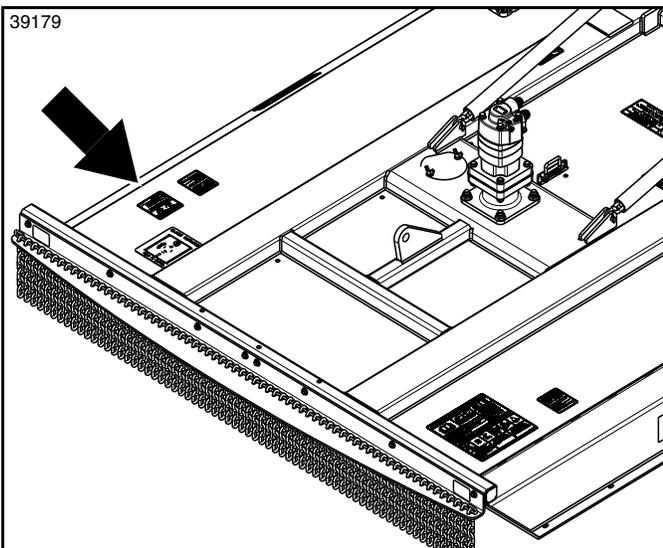
818-229C
 Amber Reflector: 1 3/4" x 2 3/4"
 2 Places



76601



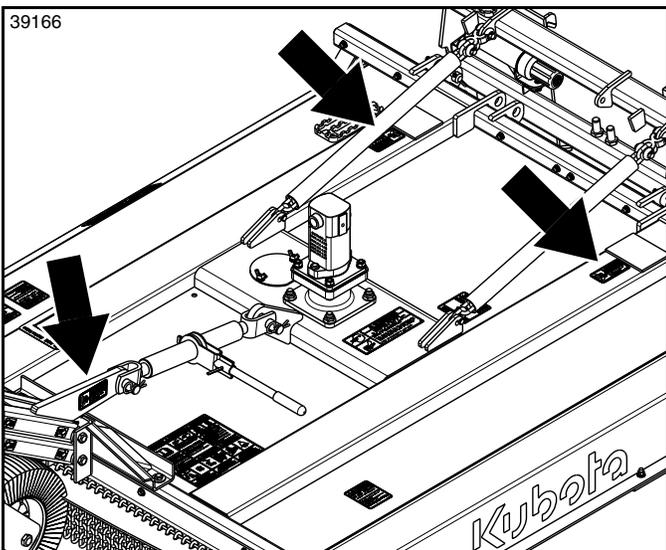
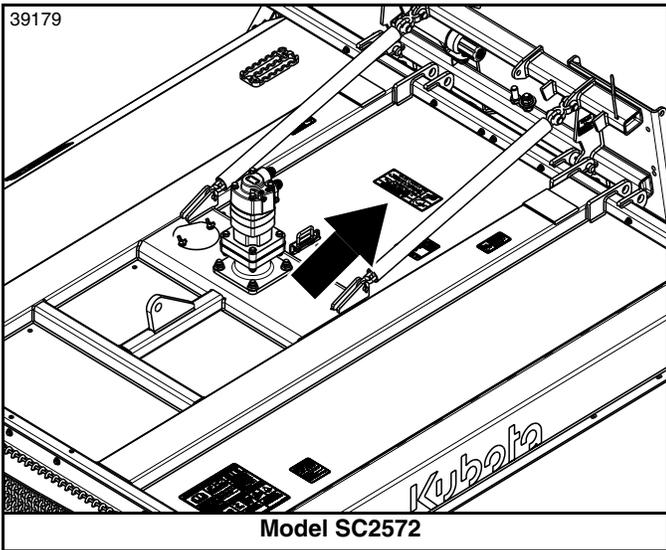
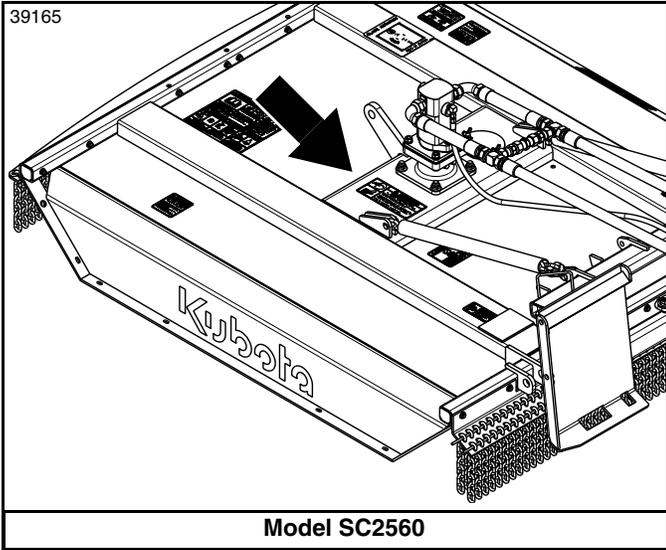
844-317C
 Danger: Rotating Blades Hazard
 1 Place



70266



818-555C
 Danger: Rotating Blade Hazard
 1 Place



	WARNING
	<p>HIGH-PRESSURE FLUID HAZARD To prevent serious injury or death</p> <ul style="list-style-type: none"> • Relieve pressure on hydraulic system before servicing or disconnecting hoses. • Wear proper hand and eye protection when searching for leaks. Do not use fingers to check for leaks; use wood or cardboard. • Keep all components in good repair.

70659 T5

818-831C

Warning: High Pressure Fluid Hazard
1 Place

	WARNING
	<p>PINCH POINT HAZARD To prevent serious injury or death:</p> <ul style="list-style-type: none"> • Stay clear of moving parts. • Keep others away.

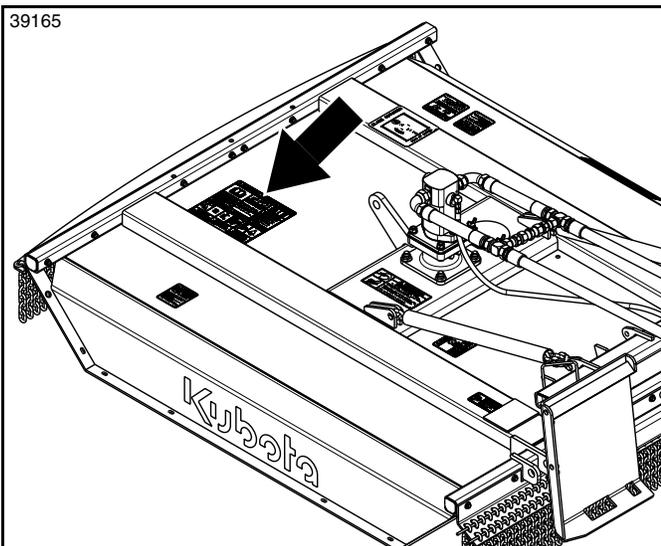
818-798C Rev. A

818-798C

Warning: Pinch Point Hazard
3 Places

<p>! WARNING</p> <p>To prevent serious injury or death:</p> <ul style="list-style-type: none"> Do not operate or work on this machine without reading and understanding the Operator's Manual. Avoid unsafe operation or maintenance. Transport with clean reflectors, SMV, and lights as required by federal, state, and local laws. If manual is lost, contact your nearest dealer for a new manual. 		<p>! WARNING</p> <p>HIGH PRESSURE FLUID HAZARD To prevent Serious Injury or Death:</p> <ul style="list-style-type: none"> Relieve pressure on system before repairing, adjusting, or disconnecting. Wear proper hand and eye protection when searching for leaks. Use wood or cardboard instead of hands. Keep all components in good repair. 		<p>! DANGER</p> <p>THROWN OBJECT AND ROTATING BLADE HAZARD To prevent serious injury or death:</p> <ul style="list-style-type: none"> Do not operate unless all guards are installed and in good condition. Inspect and clear debris from mowing area prior to mowing. Do not operate with bystanders in or around mowing area. Do not place hands or feet under deck when operating or when engine is running. Do NOT dismount until blades come to a complete stop. 	
<p>! WARNING</p> <p>CRUSHING HAZARD Before performing maintenance on machine and to prevent serious injury or death:</p> <ul style="list-style-type: none"> Read and understand operator's manual. Stop engine, set brake, and wait for all moving parts to stop before dismounting. Support cutter securely before working beneath. 		<p>! WARNING</p> <p>RUN OVER HAZARD To prevent serious injury or death:</p> <ul style="list-style-type: none"> Always use seat belt when operating. Never allow riders on propelling machine or attachment. 		<p>! WARNING</p> <p>ROLLOVER HAZARD To prevent serious injury or death:</p> <ul style="list-style-type: none"> Always use seat belt when operating. Only operate on propelling machine with a rollover protective structure (ROPS). Use caution when mowing along inclines. 	

844-191C REV.A



844-191C

Danger/Warning Safety Combo: List of Safety Hazards
1 Place

Introduction

Kubota welcomes you to the growing family of new product owners. This Rotary Cutter has been designed with care and built by skilled workers using quality materials. Proper assembly, maintenance, and safe operating practices will help you get years of satisfactory use from this attachment.

Application

The AP-SC2560 and AP-SC2572 Skid Steer Rotary Cutters are built and designed by Kubota for cutting on gently sloping or slightly contoured right-of-ways, pastures, set aside acres, and row crop fields. These mounted cutters provide unparalleled access to tightly restricted areas such as under fences, in and around boxed in corner sections of corrals and out buildings, vineyard, nursery rows, wooded lots, and approaches to ditches and waterways. The 60" (1.5 m) or 72" (1.8 m) cutting width, 8" (20.3 cm) offset capability, 2" (5 cm) cutting capacity, 1.5" (3.8 cm) to 18" (45.7 cm) cutting height range, and the universal Skid Steer floating-hitch mounting plate make the AP-SC25 series highly versatile and easy to use. The AP-SC2560 is compatible with Skid Steers having 1500 - 3500 psi (10.3 - 24.1 MPa) operating pressure and flow rates in the 18-23 gpm (68.1-87.1 Lpm), or 24-30 gpm (90.8-113.6 Lpm) ranges. The AP-SC2572 is compatible with Skid Steers having 1500-3500 psi (10.3-24.1 MPa) operating pressure and flow rates in the 18-23 gpm (68.1-87.1 Lpm), or 24-30 gpm (90.8-113.6 Lpm) ranges.

The AP-SC2560 and AP-SC2572 come standard with a front mounted single row chain guard, a rear mounted double row chain guard, and a safety chain to restrict deck lift height. Four corner-mounted skid shoes are provided to reduce wear and to keep the cutter from bottoming out. For optional equipment, See **"Section 4: Optional Equipment"** on page 30.

See **"Specifications & Capacities"** on page 40 and **"Features & Benefits"** on page 42 for additional information and performance enhancing options.

Using This Manual

- This Operator's Manual is designed to help familiarize you with safety, assembly, operation, adjustments, troubleshooting, and maintenance. Read this manual and follow the recommendations to help ensure safe and efficient operation.
- The information contained within this manual was current at the time of printing. Some parts may change slightly to assure you of the best performance.
- To order a new Operator's or Parts Manual, contact your authorized dealer. Manuals can also be downloaded, free-of-charge, from our website at www.landpride.com

Terminology

"Right" or "left" as used in this manual is determined by the direction the operator faces while sitting looking forward in the operator's seat unless otherwise stated.

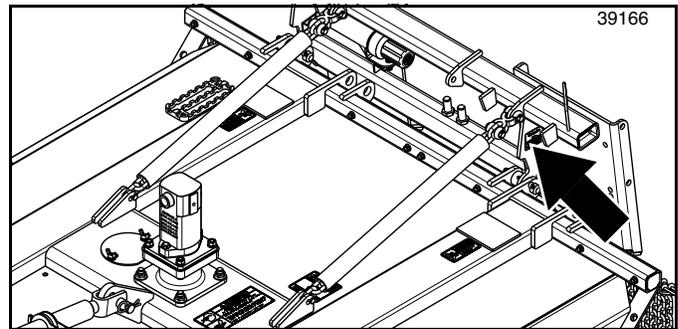
Owner Assistance

The dealer should complete the Online Warranty Registration at the time of purchase. This information is necessary to provide you with quality customer service.

The parts on your Rotary Cutter have been specially designed by Kubota/Land Pride and should only be replaced with genuine Kubota parts. Contact a Kubota dealer if customer service or repair parts are required. Your Kubota dealer has trained personnel, repair parts, and equipment needed to service the attachment.

Serial Number

For quick reference and prompt service, record model and serial number on the inside cover page and again on the warranty page. Always provide model number and serial number when ordering parts and in all correspondences with your Kubota dealer. For location of your serial number plate, see Figure 1.



Serial Number Plate Location
Figure 1

Further Assistance

Your Kubota dealer wants you to be satisfied with your new attachment. If for any reason you do not understand any part of this manual or are not satisfied with the service received, the following actions are suggested:

1. Discuss any problems you have with your attachment with your dealership service personnel so they can address the problem.
2. If you are still not satisfied, seek out the owner or general manager of the dealership, explain the question/problem, and request assistance.
3. For further assistance write to:

**Kubota by Land Pride
Service Department**

**1525 East North Street
P.O. Box 5060
Salina, Ks. 67402-5060**

E-mail address
lpSERVICE@landpride.com

Section 1: Assembly & Set-up

Skid Steer Requirements

The Rotary Cutter is designed to attach to skid steer Loaders with the following minimum requirements:

- SAE Lift Capacity 1200 lbs (544 kg)
- Hydraulic Pressure Rating 1500-3500 psi (10.3-24.1 MPa)
- Medium Volume Motor 18-23 gpm (68.1-87.1 Lpm)
- High Volume Motor 24-30 gpm (90.8-113.6 Lpm)
- Hydraulic Hoses 2 - Hydraulic outlets
- Case Drain Hose 1 - Hydraulic outlet
- Skid Steer Weight See warning below
- Protective Operator Door¹ Polycarbonate

Notes:

1. A polycarbonate door can be purchased from your nearest Kubota dealer. Refer to “**Polycarbonate Protective Door**” on page 31.



WARNING

To avoid serious injury or death:

- Lightweight power machines may need weight added to the rear to maintain steering control and prevent forward and/or side tipping. Consult your power machine Operator’s Manual to determine proper weight requirements and maximum limitations.
- To protect the operator from thrown objects, the skid steer or track loader **MUST** be equipped with a polycarbonate protective door, and the operator **MUST** wear eye protection such as safety glasses or goggles.
- Consult your skid steer’s manual for operating capacity, lifting capacity, and operating specifications. Exceeding rated capacities and specifications can result in a roll-over or other serious hazard.
- Allow only persons to operate this attachment who have fully read and comprehended this manual, and who have been properly trained in the safe operation of this attachment. Serious injury or death can result from the inability to read, understand, and follow instructions provided in this manual.

IMPORTANT: Skid Steer must be equipped with a case drain system.

Dealer Preparations

Read and understand the operator’s manual for your cutter. An understanding of how it works will aid in the assembly and setup of your cutter.

This Rotary Cutter has been partially assembled at the factory. However, some assembly will be necessary.

It is best to go through the “**Pre-Assembly Checklist**” on this page before assembling the cutter. Speed up your assembly task and make the job safer by having all the needed parts and equipment readily at hand.

Ensure that the intended skid steer conforms to the requirements stated under the heading “**Skid Steer Requirements**” on this page.

Pre-Assembly Checklist

✓	Check
<input type="checkbox"/>	Have a forklift or hoist with properly sized chains and safety stands capable of lifting and supporting the equipment on hand.
<input type="checkbox"/>	Make sure miscellaneous assembly of tools are on hand: Hammer, tape measure, spirit level, and an assortment of wrenches and power tools.
<input type="checkbox"/>	Have a minimum of 2 people on hand while assembling.
<input type="checkbox"/>	Check power machine to see if auxiliary weights are needed. See Specifications on page 40 for weight of unit.
<input type="checkbox"/>	Make sure loose parts bag/box is shipped with the cutter.
<input type="checkbox"/>	All hardware from the factory has been installed. If a part or fastener is temporarily removed for assembly, remember where it goes. Keep parts separated.
<input type="checkbox"/>	Make sure all components have been installed correctly. If removing, keep the part and its hardware together. Remember how to reassemble the part. If unsure, use the Parts Manual to assist. To acquire an Operator’s or Parts Manual, refer to “Using This Manual” on page 10.
<input type="checkbox"/>	Make sure all safety labels are legible and correctly located. Reflectors must be visible when machine is in transport position. Replace damaged safety labels and reflectors. Refer to Page 6.
<input type="checkbox"/>	Make sure all grease fittings are in place and lubricated. Refer to “Lubrication Points” on page 38.
<input type="checkbox"/>	Check fluid level in the motor spindle hub. Refer to “SC25 Series Motor Spindle Hub” on page 39.

Uncrating

WARNING

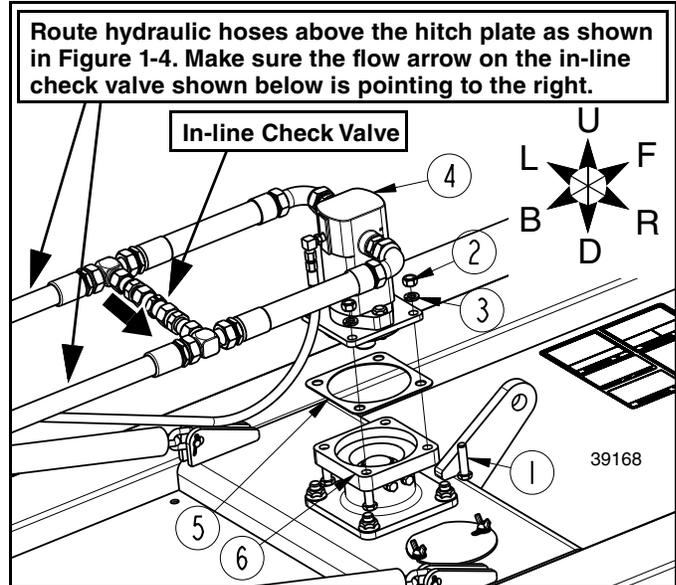
To avoid serious injury or death:

Always secure cutter with an overhead crane, fork lift, or other suitable lifting device before removing hardware bags, shipping components, bands, lag screws, or hitch pins. The cutter can suddenly fall.

1. Secure deck with an overhead crane, fork lift, or other suitable means before cutting shipping support bands and unbolting cutter from shipping crate.
2. Cut bands securing parts bags to the shipping crate.
3. Remove bolts securing hitch to the shipping crate.
4. Cut center band securing hitch to shipping crate.
5. Carefully lower cutter onto its skids or onto support stands capable of supporting the cutter.
6. Remove wood from under the front chain guard.

Torque Requirements

See “**Torque Values Chart**” on page 44 to determine correct torque values when tightening hardware. See “**Additional Torque Values**” at bottom of chart for exceptions to standard torque values.



SC2560 Motor and Hose Assembly
Figure 1-1

SC2560 Motor And Hose Assembly

Your skid steer Rotary Cutter is factory supplied with one of three motors mounted to the deck. Make sure you check the hydraulic flow rating on the deck motor decal to verify it matches your skid steer’s hydraulic flow rating. Skip assembly instructions below if the motor’s flow rating matches.

Refer to “**SC2560 Motor and Hose Assembly**” on page 30 to properly select a motor that matches your skid steer.

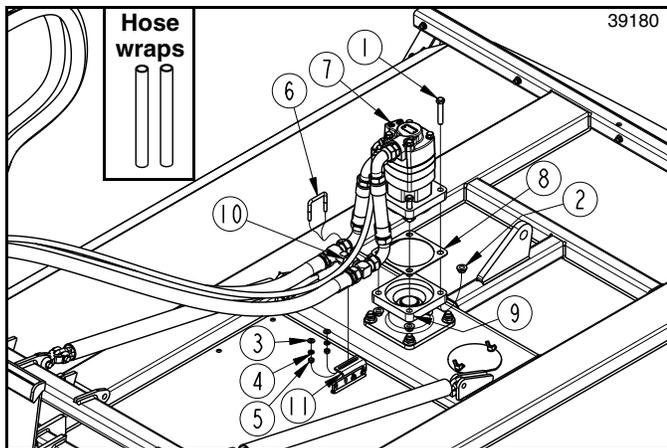
Refer to **Figure 1-1**:

IMPORTANT: Route hydraulic hoses above the hitch plate as shown in Float Chain Assembly.

IMPORTANT: The in-line check valve is located between the two hydraulic tee fittings. Make sure the flow arrow is pointing to the right.

1. Remove fasteners (#1,#2 & #3). Keep fasteners for reassembly of new motor.
2. Remove existing motor and hose assembly (#4). Clean old gasket (#5) from spindle hub flange (#6).
3. Place new gasket (#5) onto spindle hub flange (#6).
4. Gently lower new motor and hose assembly (#4) onto gasket (#5) with hoses extending towards the hitch plate.
5. Secure hydraulic motor (#4) to the spindle hub flange (#6) with the four existing 1/2"-13 x 2" lg. GR 5 hex head bolts (#1), lock washers (#3), and 1/2"-13 hex nuts (#2). Tighten hardware to the correct torque.

Section 1: Assembly & Set-up



SC2572 Motor and Hose Assembly
Figure 1-2

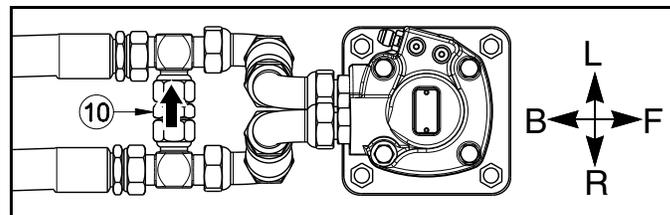
SC2572 Motor And Hose Assembly

Your skid steer Rotary Cutter is factory supplied with one of two motors mounted to the deck. Verify that the hydraulic flow rating on the deck motor decal matches your skid steer's hydraulic flow rating. Skip assembly instructions below if the motor's flow rating matches.

Refer to "SC2572 Motor and Hose Assembly" on page 31 to properly select a motor that matches your skid steer.

Refer to Figure 1-2:

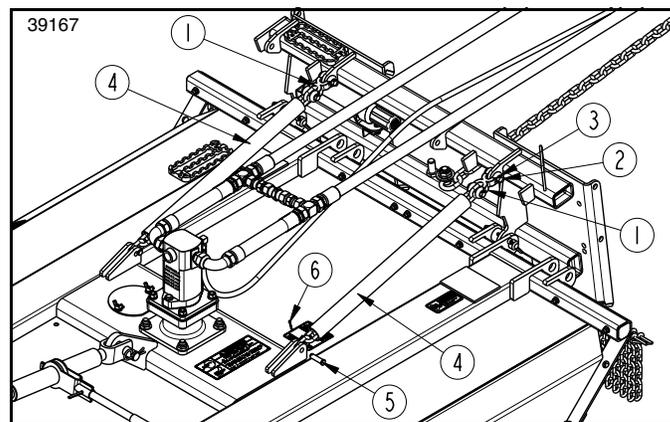
1. Remove all fasteners (#1 & #2) securing hydraulic motor (#7) to the spindle hub flange (#9). Keep fasteners for reassembly of new hydraulic motor (#7).
2. Remove fasteners (#3, #4 & #5) from U-bolt (#6) to free up hose assembly secured to the deck. Set all components aside for reassembly of new motor (#7).
3. Remove existing hydraulic motor and hose assembly. Clean old gasket from spindle hub flange (#9).
4. Place new gasket (#8) onto spindle hub flange (#9).
5. Gently lower new hydraulic motor (#7) and attached hose assembly onto gasket (#8) and flange (#9) with hoses extending towards the hitch plate.
6. Secure hydraulic motor (#7) to the spindle hub flange (#9) with the four existing 1/2"-13 x 2 3/4" lg. GR 5 hex head bolts (#1) and 1/2"-13 flange hex nuts (#2). Tighten hardware to the correct torque. See "Torque Values Chart for Common Bolt Sizes" on page 44.
7. Secure hydraulic hose assembly to cutter deck by installing 5/16-18 U-bolt (#6) over the in-line check valve (#10), and securing it to bracket (#11) with two flat washers (#3), lock washers (#4) and hex nuts (#5). Tighten hardware to the correct torque.



SC2572 In-line Check Valve Flow Arrow
Figure 1-3

IMPORTANT: The in-line check valve (#10 in Figure 1-3) is located between the two hydraulic tee fittings. Make sure flow arrow is pointing to the left.

8. Secure all three hydraulic hoses together with the two provided hose wraps approximately 1-2 ft (30-61 cm) in from each end of the hydraulic hoses.



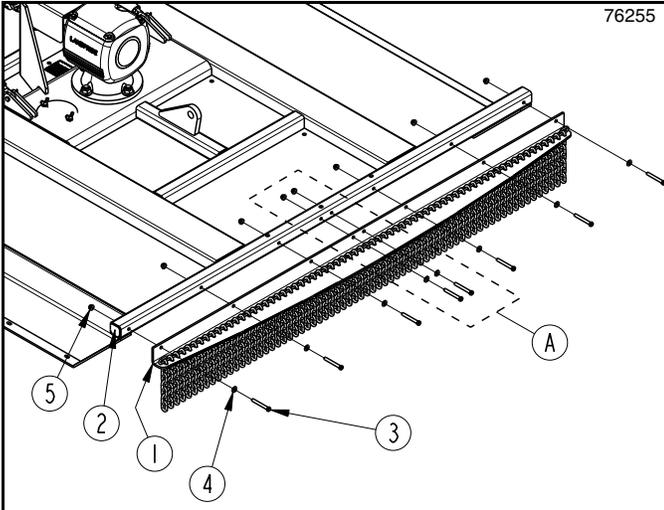
Float Chain Assembly
Figure 1-4

Float Chain Assembly

Refer to Figure 1-4:

IMPORTANT: Make sure hydraulic hoses are routed above the hitch plate as shown.

1. (Not Shown) Unbolt and remove shipping brace bars extending from hitch plate to center of deck.
2. Attach clevis end (#1) of float chains (#4) to hitch plate with 9/16" clevis pins (#2) and cotter pins (#3). Bend cotter pin legs to keep them from falling out.
3. Install other end of float chains (#4) to deck with 1/2" clevis pins (#5) and 1/8" cotter pins (#6). Bend cotter pin legs to keep them from falling out.



Installing the Front Chain Guard Assembly
Figure 1-5

SC2572 Front Chain Guard Assembly

Due to the size of the SC2572, only the rear chain guard comes assembled to the cutter. The front chain guard must be installed once cutter is removed from the crate.

Refer to Figure 1-5:

IMPORTANT: The front chain guard must be installed onto the SC2572 before operating the cutter.

1. Align front chain guard (#1) with front deck tube (#2).
2. Install a 3/8-16x3 GR5 bolt (#3), and flat washer (#4) through the left and right outer holes of front chain guard (#1) and deck tube (#2). Secure both bolts (#3) with hex nuts (#5). Do not tighten nuts at this time.
3. Install remaining 3/8-16x3 GR5 bolts (#3) and flat washers (#4) through front chain guard (#1) and deck tube (#2). Secure bolts (#3) with nuts (#5). Tighten all eight bolts to the correct torque.

NOTE: If a gauge wheel assembly option is to be installed on this cutter, do not install hardware into location (A) at this time. Hardware will be installed during gauge wheel assembly. Refer to “**Gauge Wheel Assembly Option**” on page 16.

Skid Steer Shutdown Procedure

The following are basic skid steer shutdown procedures. Follow these steps and any additional shutdown procedures provided in your skid steer Operator’s Manual before leaving the operator’s seat.

1. Reduce engine speed and shut-off all power to the attachment.
2. Park on solid, level ground and lower attachment until it is flat on the ground or on non-concrete support blocks.
3. Turn off engine. Do not remove ignition key at this time.
4. Turn ignition key to the “RUN” position and relieve all hydraulic pressure by moving both joysticks.
5. Turn ignition key off and remove to prevent unauthorized starting.
6. If included, raise seat bar and move controls until both lock.
7. Wait for all components to come to a complete stop before leaving the operator’s seat.
8. Use steps, grab-handles and anti-slip surfaces when stepping on and off the skid steer or attachment.

Hitch Hook-Up

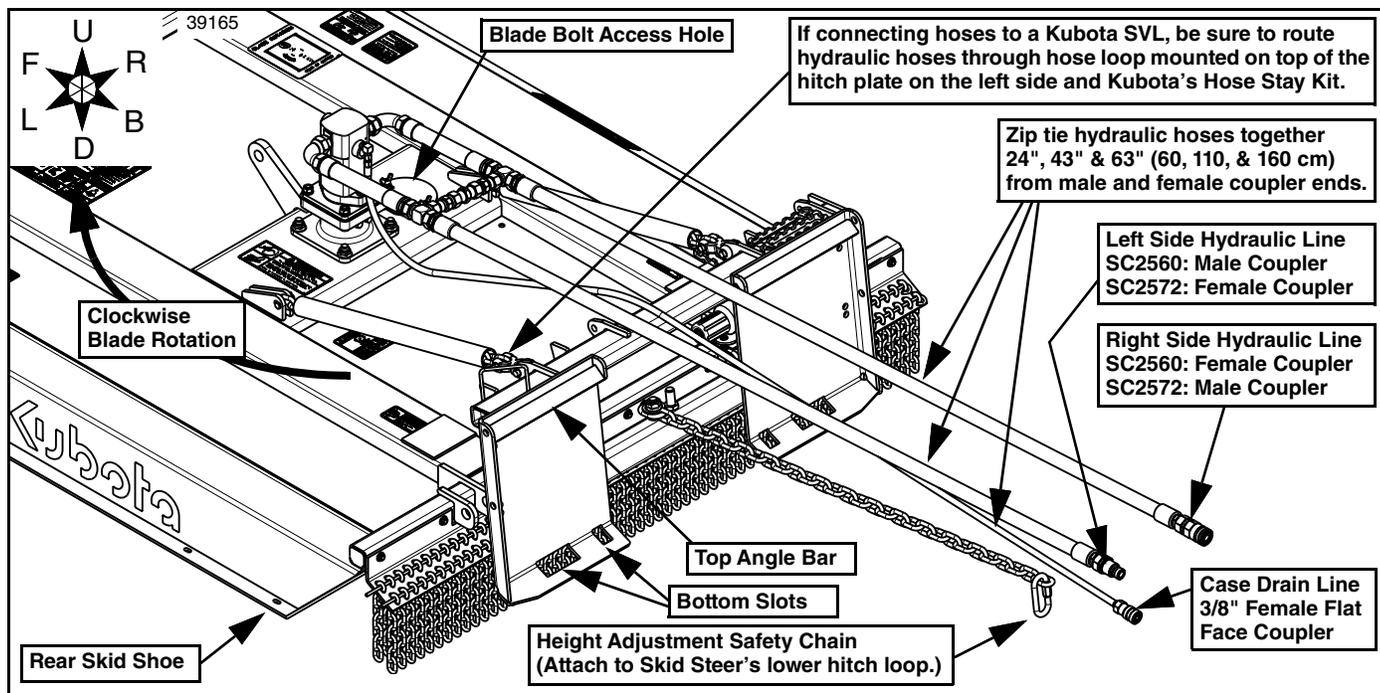
Refer to Figure 1-6:

DANGER

To avoid serious injury or death:

A crushing hazard exists when connecting and disconnecting the attachment. Do not allow anyone to stand between attachment and power machine while approaching or backing away from the attachment. Do not operate hydraulic controls while someone is near the power machine and/or attachment.

1. Make sure hydraulic hoses and height adjustment safety chain do not interfere with hitch hook-up.
2. Drive skid steer slowly to the Rotary Cutter making sure the front hitch plate of the skid steer is parallel with the Rotary Cutter hitch.
3. Tilt top of skid steer hitch plate slightly forward.
4. Place top of skid steer hitch plate under the Rotary Cutter top angle bar.
5. Slowly lift skid steer’s hitch until Rotary Cutter’s hitch and skid steer’s top angle bar have come together.
6. Push lock handles of the skid steer down so that the pins go through the bottom slots of the Rotary Cutter’s hitch and the handles lock down.
7. Loop height adjustment safety chain forward down and under 2" x 3" tube and then attach to skid steer’s lower hitch loop. See “**Height Adjustment Safety Chain**” on page 21.



Skid Steer Hook-Up (SC2560 Shown)
Figure 1-6

Hydraulic Hose Hook-up

Refer to Figure 1-6 & Figure 1-7:

Two high pressure hydraulic outlets are required for the hydraulic motor and one outlet for the case drain.

IMPORTANT: Customer to select best way to route hydraulic hoses. If using hose loop on top of hitch plate, make sure hoses will not come against the skid steer wheel. See “**Equipment Clearances**” on page 23 for detailed instructions on how to check for clearances.

Refer to Figure 1-7:

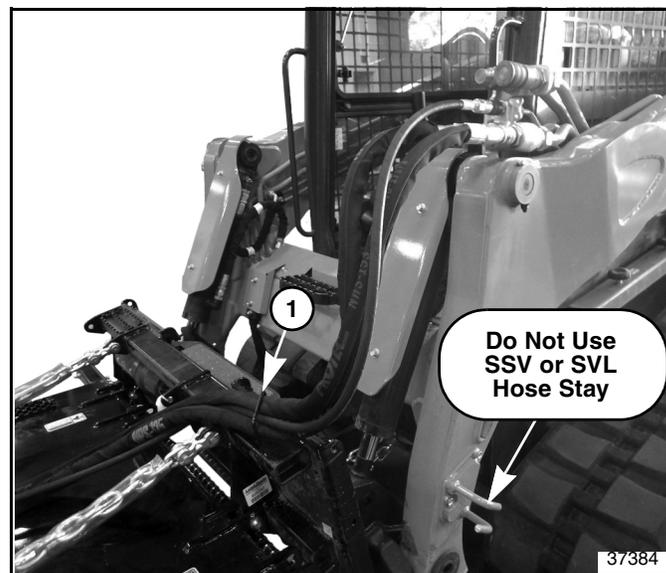
1. If attaching to a Kubota SVL or SSV machine, be sure to route hydraulic hoses through hose loop (#1) on top of cutter hitch plate and on the left side as shown.

NOTE: Use of Kubota’s SSV or SVL Hose Stay is not recommended for this attachment.

Refer to Figure 1-6 on page 15:

2. Thread hoses through any hose holders that may be helpful on the machine operating the cutter. See your skid steer Operator’s Manual for instruction on how to use these hose holders.
3. Remove plastic cap from case drain hose and attach case drain coupling to the hose.
4. Connect case drain hose to reservoir outlet.
5. Connect male and female couplers on the hydraulic motor hoses to the skid steer high pressure outlets.

6. Operate skid steer to check blade rotation. Cutter blades should rotate clockwise when looking at the blades from above. If cutter blades are rotating counterclockwise, switch male and female couplers and reconnect to skid steer outlets.
7. Zip tie hydraulic hoses together at a distance of 24", 43", and 63" (60, 110, and 160 cm) from male and female couplers.



Hose Route For Kubota SVL or SSV Machine (SVL Shown)
Figure 1-7

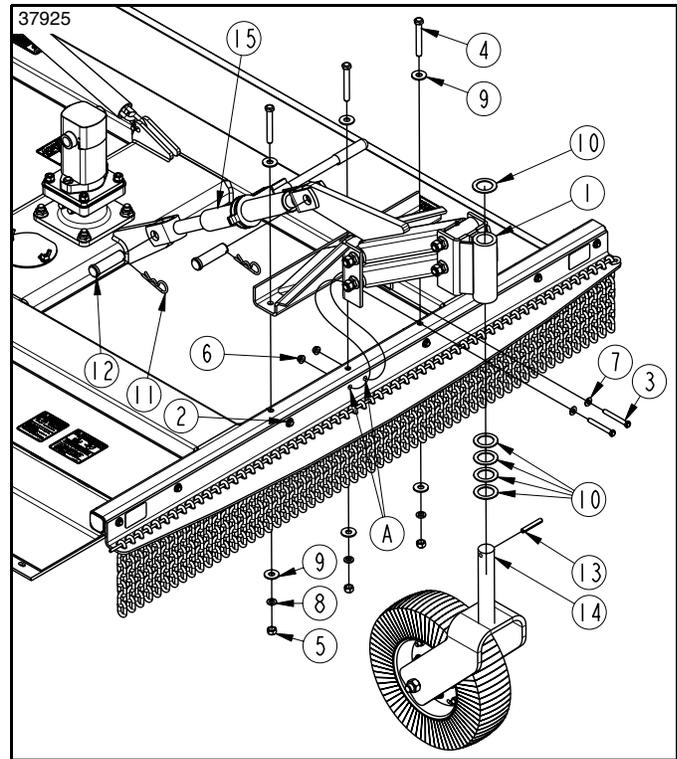
Section 1: Assembly & Set-up

Gauge Wheel Assembly Option

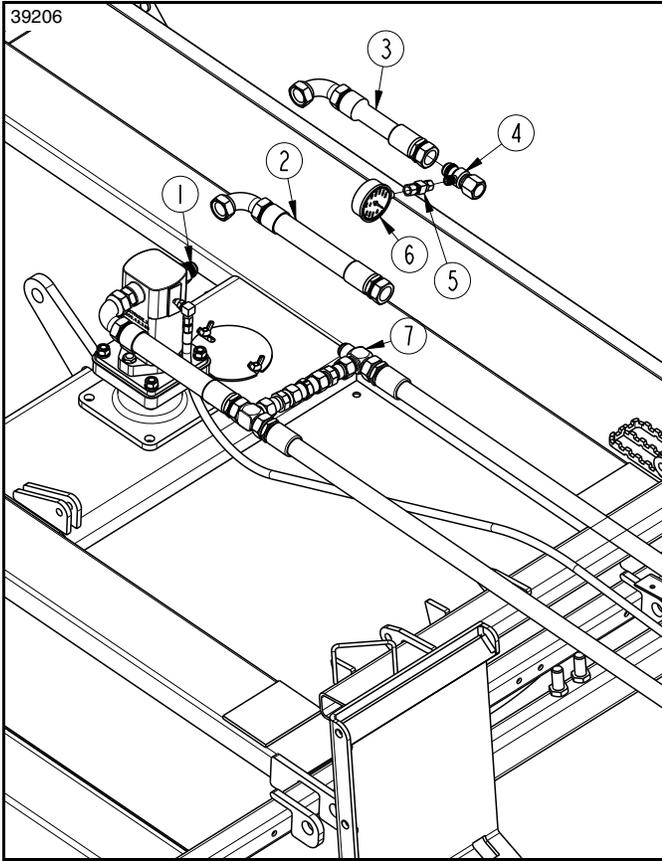
Refer to Figure 1-8:

IMPORTANT: DO NOT enlarge any of the 5 bolt holes used for mounting the gauge wheel. Enlarging bolt holes can severely decrease the longevity of your gauge wheel operation.

1. Remove two 3/8"-16 x 3" lg. GR5 hex head bolts (#3) in the center of the front chain guard. Keep bolts, washers, and whiz nuts for reassembly of gauge wheel deck mount (#1).
2. Install gauge wheel deck mount (#1) by inserting three 1/2" x 3 3/4" lg. GR8 bolts (#4) through flat washers (#9), gauge wheel mounting bracket (#1), and deck tube. Secure bolts with flat washers (#9), lock washers (#8), and hex nuts (#5). **Do not** torque nuts at this time. Finger tighten nuts only.
3. Check alignment of gauge wheel front mount holes with chain guard holes "A". Skip to step 4 if mounting holes are in alignment. If gauge wheel mounting holes are not in alignment, loosen remaining chain guard bolts (#2) and realign chain guard as follows:
 - a. Realign chain guard by inserting a drift punch in one of the two gauge wheel mounting holes for bolts (#3). Tap punch in with a hammer until secure. **Do not** remove punch at this time.
 - b. Insert 3/8"-16 x 3" lg. GR5 bolt (#3) with 3/8" flat washer (#7) through the other hole beside the drift punch. Secure bolt with 3/8" whiz nuts (#6). Tighten whiz nuts to the correct torque.
 - c. Remove drift punch and install the other 3/8" x 3" lg. GR5 hex bolt (#3), flat washer (#7), and whiz nut (#6). Tighten whiz nuts to the correct torque.
 - d. Re-tighten remaining chain guard bolts (#2) to the correct torque.
 - e. Skip to step 5.
4. If gauge wheel mounting holes are in alignment, install two 3/8" x 3" lg. GR5 hex bolts (#3), flat washers (#7), and whiz nuts (#6). Tighten whiz nuts to the correct torque.
5. Tighten 1/2"-13 GR8 bolts (#4) to the correct torque.
6. Attach heavy duty ratchet jack (#15) to cutter frame and to gauge wheel deck mount (#1) with 1" x 3 3/16" lg. clevis pins (#12). Secure with hairpin cotters (#11).
7. Insert four 1 1/2" I.D. machine washers (#10) over gauge wheel spindle (#14).
8. Insert gauge wheel spindle (#14) through yoke in gauge wheel deck mount (#1) and 1 1/2" I.D. machine washer (#10). Secure gauge wheel with 3/8" x 2 1/2" lg. roll pin (#13).



Gauge Wheel Assembly
Figure 1-8

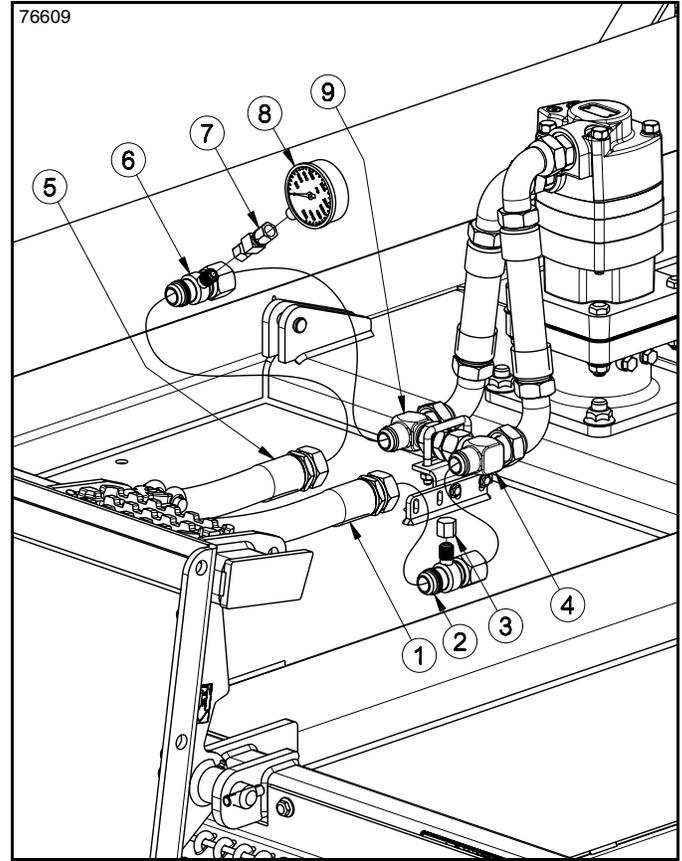


SC2560 Motor Pressure Gauge Assembly
Figure 1-9

SC2560 Motor Pressure Gauge Assembly Option

Refer to Figure 1-9:

1. Prepare to catch oil spill from hoses (#2) and tee (#7) in an approved container.
2. Remove 3/4" x 13 1/2" hose (#2) from right hand side of motor.
3. Attach pressure gauge (#6) to adapter fitting (#5)
4. Attach female end of tee fitting (#4) to the male end of tee fitting (#7)
5. Attach pressure gauge (#6) and adapter fitting (#5) to tee fitting (#4) so that the face of the pressure gauge is facing the operators cab.
6. Attach 3/4" x 10 15/16" hose (#3) to the adapter fitting connected to the motor (#1) and to the male end of tee fitting (#4).

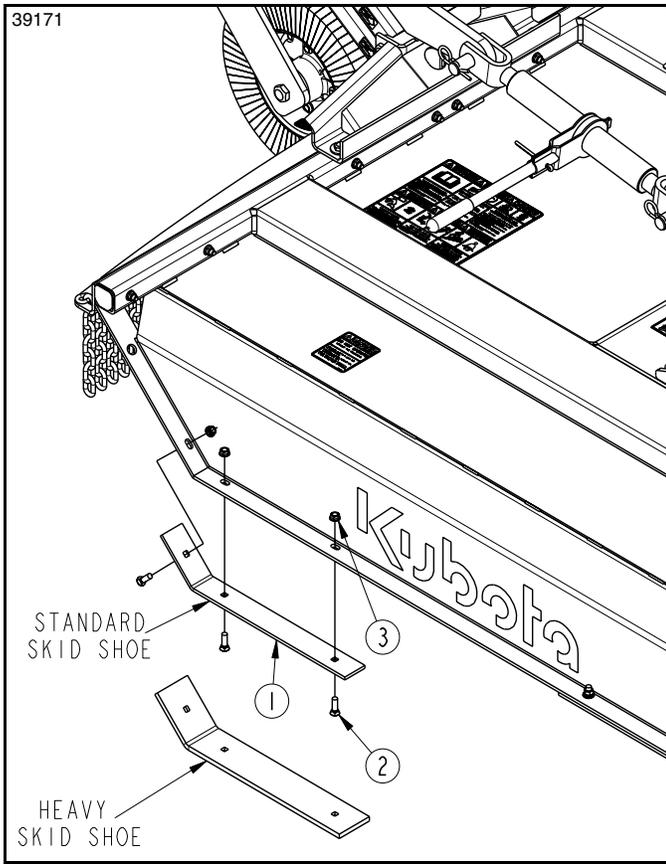


SC2572 Motor Pressure Gauge Assembly
Figure 1-10

SC2572 Motor Pressure Gauge Assembly Option

Refer to Figure 1-10:

1. Prepare to catch oil spill from hoses (#1 & #5) in an approved container.
2. Disconnect hose (#1) from tee (#4).
3. Disconnect hose (#5) from tee (#9).
4. Attach cap (#3) to tee (#2) and tighten.
5. Attach tee (#2) to tee (#4) and tighten with cap (#3) up as shown.
6. Attach hose (#1) to tee (#2) and tighten.
7. Attach adapter (#7) to tee (#6) and tighten.
8. Attach pressure gauge (#8) to adapter (#7) and tighten.
9. Attach tee (#6) to tee (#9). Do not tighten at this time.
10. Attach hose (#5) to tee (#6). Do not tighten at this time.
11. Rotate tee (#6) approximately 45° clockwise from vertical as shown. Tighten connections at both ends of tee (#6).



Skid Shoe Assembly
Figure 1-11

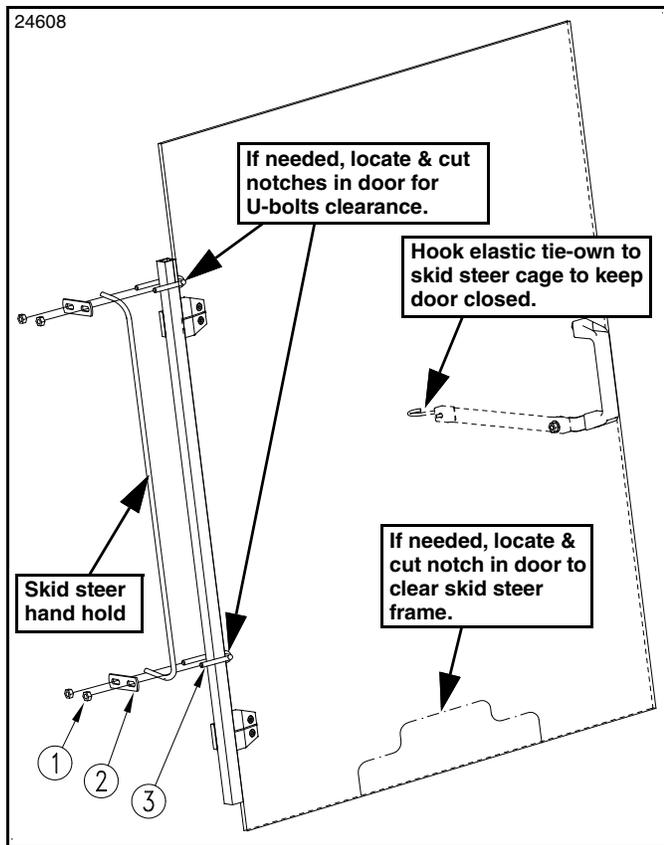
Skid Shoe Assembly Option

Refer to Figure 1-11:

Cutters pre-ordered with skid shoes will come with skid shoes installed. If skid shoes are purchased after cutter is ordered and received, then install skid shoes as follows:

1. Raise the Rotary Cutter 3" (8 cm) or more off the ground and place support blocks under the cutter. Make sure support blocks are positioned so they will not interfere with skid shoe installation.
2. Lower cutter onto support blocks, place skid steer in park, set park brakes, shut skid steer off, and remove ignition key.
3. Install and secure new skid shoe (#1) to the deck corner as shown with three 3/8"-16 x 1 1/4" GR5 plow bolts (#2), and three 3/8" whiz nuts (#3). Torque whiz nuts to the correct torque).
4. Repeat step 3 for remaining skid shoes.
5. Raise cutter up and remove support blocks.

Section 1: Assembly & Set-up



Polycarbonate Protective Door Assembly
Figure 1-12

Protective Door Assembly Option

Refer to Figure 1-12:

WARNING

To avoid serious injury or death:

Do not drill holes in the ROPS (Roll Over Protection System) to attach this Operator Protective Door. Drilling unapproved holes in the ROPS can weaken the structure.

For your safety, do not use this cutter without an installed OEM Polycarbonate Protective Operator Door. If the skid steer/track loader is not equipped with a polycarbonate door, an optional door may be purchased with the cutter.

Refer to the instructions below when installing Kubota's optional polycarbonate door.

1. Cut notches in protective door as needed to provide clearance around u-bolts and skid steer frame.
2. Install the polycarbonate door to the skid steer's hand hold with two u-bolts (#3), flat bars (#2), and four nuts (#1) as shown. Tighten nuts to correct torque.

Section 2: Adjustments

Hitch Positioning

Refer to Figure 2-1:

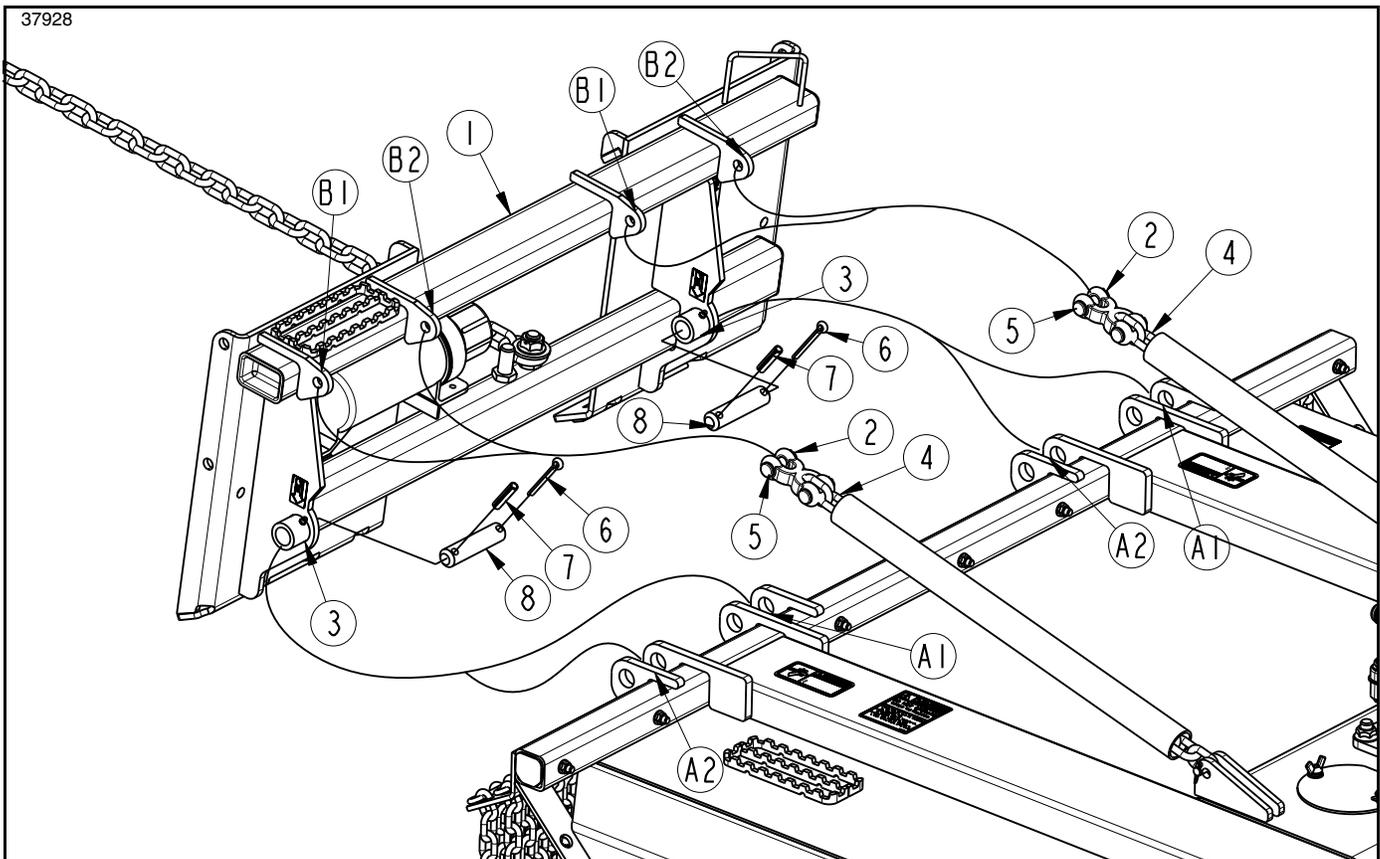
The Rotary Cutter hitch is designed to be centered on the cutter or offset to position the cutter to the right. Offsetting the cutter to the right will allow the unit to cut close to obstacles.

Hitch Mounted Offset

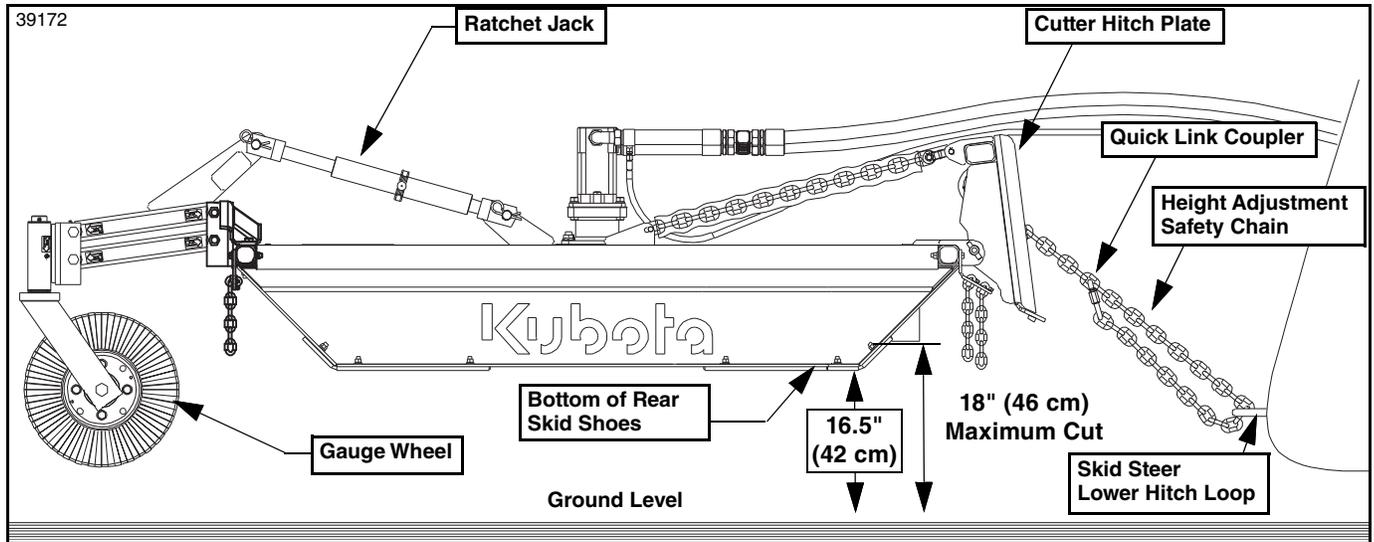
1. Drive roll pins (#7) through one of two holes in both pivot pins (#8).
2. Align hitch pivot pin bushings (#3) with cutter mounting lug holes (A1).
3. Insert hitch pins (#8) through mounting lug holes (A1) and hitch bushings (#3).
4. Insert cotter pins (#7) through holes in pivot pins (#8). Bend one or both legs of each cotter pin to secure them in place.
5. Attach Floating Chains (#4) to hitch plate lugs at positions marked (B1) with chain pins (#5).
6. Insert cotter pins (#2) through chain pin holes and bend one or both legs of each cotter pin to secure them in place.

Hitch Mounted Centered

1. Drive roll pins (#7) through one of two holes in both pivot pins (#8).
2. Align hitch pivot pin bushings (#3) with cutter mounting lug holes (A2).
3. Insert hitch pivot pins (#8) through mounting lug holes (A2) and hitch bushings (#3).
4. Insert cotter pins (#7) through holes in pivot pins (#8). Bend one or both legs of each cotter pin to secure them in place.
5. Attach Floating Chains (#4) to hitch plate lugs at positions marked (B2) with chain pins (#5).
6. Insert cotter pins (#2) through chain pin holes and bend one or both legs of each cotter pin to secure them in place.



Hitch Offset
Figure 2-1



Nominal Cutting Height
Figure 2-2

Height Adjustment Safety Chain

⚠ DANGER

To avoid serious injury or death:

- Do not operate cutter with skid shoes any higher than 16.5" (42 cm) off the ground. Always use height adjusting safety chain to limit cutting height. Raising cutter too high will throw debris at the operator.
- Do not tilt hitch plate to raise front of cutter higher than the rear. Raising front of cutter can cause serious bodily injury and/or death.
- Always secure equipment with solid, non-concrete supports before working under it. Never go under equipment supported by concrete blocks or hydraulics. Concrete can break, hydraulic lines can burst, and/or hydraulic controls can be actuated even when power to the hydraulics is off.

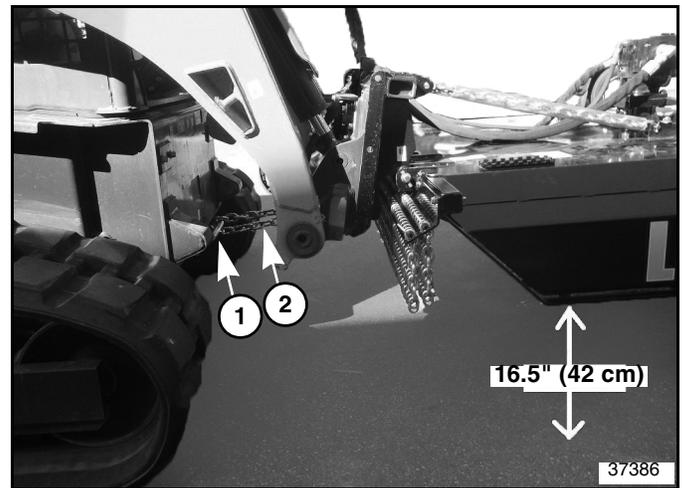
Refer to Figure 2-2:

For safety, the cutter rear skid shoes should not be raised higher than 16 1/2" (42 cm) off the ground (18" (46 cm) Maximum cutting height).

NOTE: Two people may be required to install and adjust the safety chain.

1. Raise cutter's rear skid shoes slightly less than 16 1/2" (42 cm) off the ground.
2. Run height adjustment safety chain from under the 2" x 3" hitch tube to the skid steer lower hitch loop. Thread chain through the hitch loop and back towards the hitch plate. Connect quick link coupler to a chain loop as shown.

NOTE: When attaching the Rotary Cutter to a Kubota CTL or SSL machine, height adjustment safety chain (#2) should be looped around SVL tie-down bar (#1) and adjusted so that the cutter cannot be raised over 16.5" (42 cm) off the ground as shown in Figure 2-3 below.



Kubota CTL or Skid Steer Loader Machine (CTL Shown)
Figure 2-3

3. Raise cutter up until the safety chain is tight. Check height of rear skid shoes.
4. If rear skid shoes are higher than 16 1/2" (42 cm) above ground level, lower cutter and make necessary adjustments to the safety chain to limit rear skid shoe height to 16 1/2" (42 cm) maximum.
5. Tighten quick link coupler nut to secure safety chain.

Section 2: Adjustments

Deck Leveling with Gauge Wheel

Refer to Figure 2-4:

WARNING

To avoid serious injury or death:

Always shut power machine down using the "Shutdown Procedure" provided in this manual before servicing, adjusting, cleaning, or maintaining the attachment.

IMPORTANT: The front blade tip should be slightly lower than the rear blade tip (about 1" or 2.5 cm lower). If not, the cutter is subject to continuous material flow under it's deck causing horsepower loss, grass clumps, blade wear, and frequent blade sharpening.

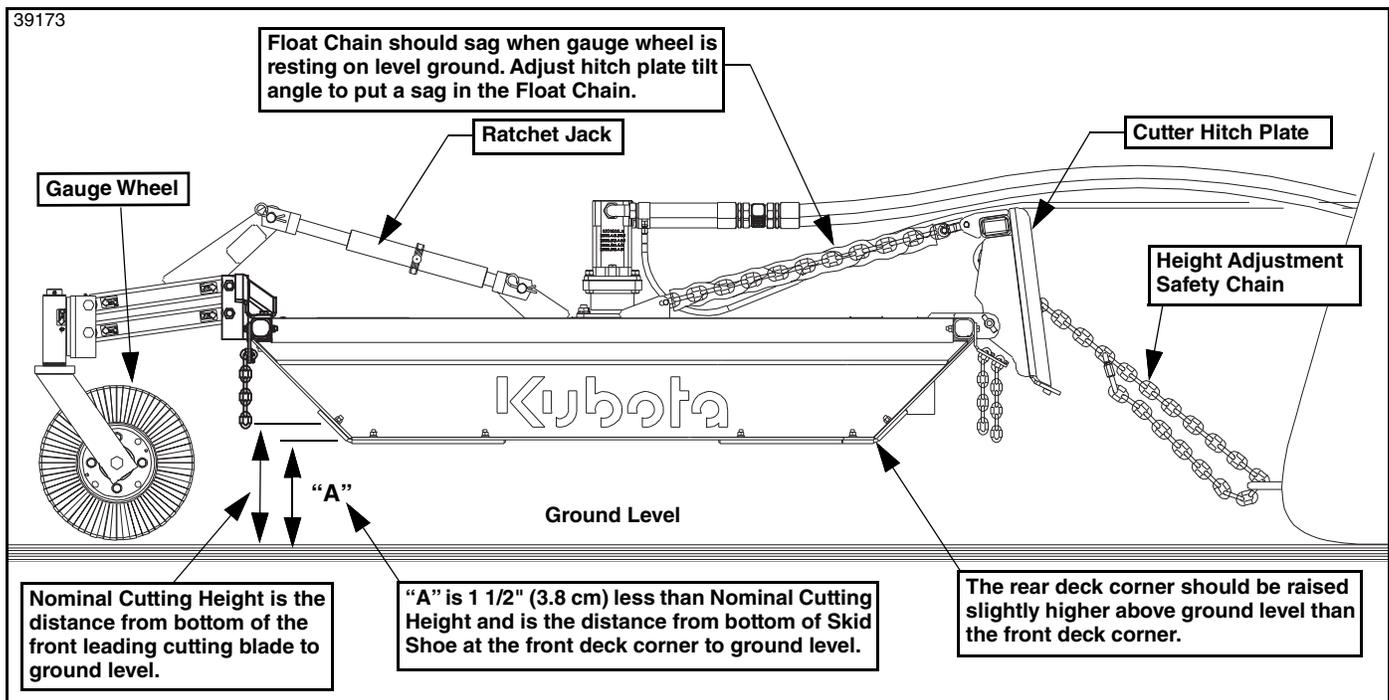
NOTE: Nominal Cutting Height is the distance from bottom of cutter blade to ground level at the front of the cutter. Subtract 1 1/2" (3.8 cm) from Nominal Cutting Height to determine distance (A). Distance (A) is measured from bottom of front skid shoes to ground level.

1. Park skid steer with cutter on a level surface.
2. Adjust ratchet jack to raise gauge wheel up until it is even with bottom of front skid shoes.

3. Use skid steer hydraulics to lower skid steer lift arms and to tilt cutter hitch plate angle until bottom of skid shoe at the front deck corner is dimension (A) off the ground and the rear deck corner is slightly higher off the ground than the front deck corner.
4. Adjust ratchet jack to lower gauge wheel until it is at ground level.
5. With gauge wheel at ground level, use skid steer hydraulics to adjust cutter hitch plate angle until the float chain sags.

IMPORTANT: Do not over angle hitch plate forward. Over angling can cause damage to deck and hitch.

The Rotary Cutter should be operated with gauge wheel on the ground, slack in float chain, and deck rear slightly higher off the ground than deck front. As the operator travels over uneven terrain, the skid steer hitch plate tilt angle and lift arm height may need some readjusting to maintain correct deck positioning.



Nominal Cutting Height
Figure 2-4

Section 2: Adjustments

Deck Leveling without Gauge Wheel

Refer to Figure 2-5:

WARNING

To avoid serious injury or death:

Always shut power machine down following the "Shutdown Procedure" provided in this manual before leaving the operator's station.

IMPORTANT: The front blade tip should be slightly lower than the rear blade tip (about 1" or 2.5 cm lower). If not, the cutter is subject to continuous material flow under it's deck causing horsepower loss, grass clumps, blade wear, and frequent blade sharpening.

NOTE: Nominal Cutting Height is the distance from bottom of cutter blade to ground level at the front of the cutter. Subtract 1 1/2" (3.8 cm) from Nominal Cutting Height to determine distance (A). Distance (A) is measured from bottom of front skid shoes to ground level.

1. Park skid steer with cutter on a level surface.
2. Use skid steer hydraulics to lower skid steer lift arms and to tilt cutter hitch plate angle until bottom of skid shoe at the front deck corner is dimension (A) off the ground and the rear deck corner is slightly higher than the front deck corner.

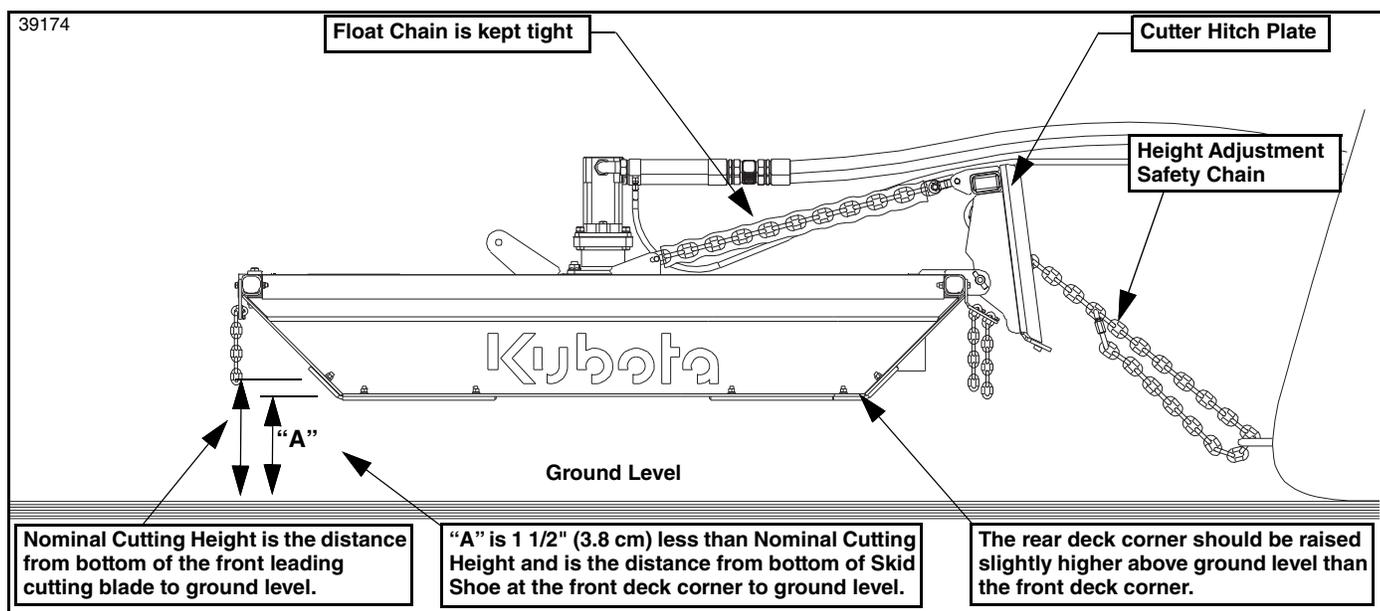
The Rotary Cutter should be operated with float chain tight to hold front of cutter at the correct cutting height and lift arms set to hold rear of cutter slightly higher off the ground than the front.

As the skid steer travels over uneven terrain, the skid steer hitch plate tilt angle and lift arm height will need readjusting frequently to maintain correct deck positioning.

Equipment Clearances

Visually inspect hydraulic hoses for possible pinch points and length. Make any necessary adjustments before putting equipment into service.

1. If necessary, have someone stand nearby that can motion for the operator to stop if a problem develops while checking for clearances.
2. With deck lowered to its minimum cutting height, slowly retract hydraulic cylinders on end of loader arms while watching for interferences between skid steer, skid steer wheels, and cutter. Make sure hydraulic hoses are long enough and do not become pinched through the full range of motion.
3. With hydraulic cylinders still retracted, slowly raise cutter up while continuing to watch for interferences between skid steer, skid steer wheels, and cutter until height adjustment safety chain limit is reached.
4. Slowly extend hydraulic cylinders on end of loader arms until front of deck is touching the ground.
5. Slowly lower deck down while retracting hydraulic cylinders on end of loader arms until deck is level and resting on the ground.
6. Be sure to make any necessary corrections to the hydraulic hoses before putting cutter into service.



Nominal Cutting Height
Figure 2-5

Section 3: Operating Procedures

Operating Checklist

Hazard control and accident prevention are dependent upon the awareness, concern, prudence, and proper training involved in the operation, transport, storage, maintenance of the Rotary Cutter. Therefore, it is absolutely essential that no one operates the Rotary Cutter unless they have read, fully understood, and are totally familiar with the Operator's Manual. Make sure the operator has paid particular attention to:

- **Important Safety Information**, page 1
- **Section 1: Assembly & Set-up**, page 11
- **Section 2: Adjustments**, page 20
- **Section 3: Operating Procedures**, page 24
- **Section 5: Maintenance & Lubrication**, page 34

Perform the following inspections before using your Skid Cutter.

Operating Checklist

✓	Check	Page
✓	Make Sure all guards and shields are in place and secure and polycarbonate door is in good working order.	1
✓	Inspect hydraulic hoses for wear, damage, and hydraulic leaks. Replace damaged and worn hoses with genuine Kubota parts.	3
✓	Check fluid levels in motor spindle hub and grease all fittings. See "Lubrication Points"	38
✓	Check cutter initially and periodically for loose bolts & pins. See "Torque Values Chart"	44

Safety Information

DANGER

To avoid serious injury or death:

- Rotary Cutters have the ability to discharge objects at high speeds; therefore, the use of front & rear safety guards is mandatory with this cutter. Stop blade rotation if bystanders are in or around the area. It is recommended that a safety shield be placed between the operator and cutter on an open air tractor.
- Keep bystanders clear while cutter is operating. Shut cutter and power machine down if a bystander is in or around the area. People can be hurt by thrown objects, rotating blades, being run over, etc.
- Always disengage auxiliary hydraulics to the cutter, shutdown the power machine, and wait for cutter blades to spool down to a stop before allowing anyone to clean, service, preform maintenance, or be near the cutter. Refer to power machine shutdown procedures provided in this manual.
- Clear area to be cut of debris and other unforeseen removable objects before cutting. Mark non-removable hazards such as tree stumps, post stubs, protruding objects, rocks, drop-offs, holes, etc. with a visible flag.

- All guards and shields must be installed and in good working condition while operating the attachment.
- Do not use cutter as a fan. Cutting blades are not properly designed or guarded for this use.
- Do not operate cutter with skid shoes any higher than 16.5" (42 cm) off the ground. Always use height adjusting safety chain to limit cutting height. Raising cutter too high will throw debris at the operator.
- Lifting cutter up without the height adjusting safety chain installed can result in the cutter making contact with an electrical power line and causing electrocution.
- Keep attachment and/or loader arms away from overhead electrical power lines. Place an orange warning sign under overhead lines indicating type of danger above.
- Do not operate cutter after dark without working lights. The equipment can hit unseen objects or be hit by other vehicles. The operator can loose control of the tractor and cutter causing a wreck or roll-over.

WARNING

To avoid serious injury or death:

- Allow only persons to operate this implement who have fully read and comprehended this manual, and who are properly trained in the safe operation of this implement.
- Always shut skid steer down using "Skid Steer Shut Down Procedure" provided in this manual before dismounting to maintain and/or make adjustments to the skid steer cutter.
- Never carry riders on the attachment or power machine. Riders can obstruct the operator's view, interfere with controls, be pinched by moving components, become entangled in rotating components, struck by objects, thrown about, fall off and be run over, etc.
- Hydraulic fluid under high pressure will penetrate the skin or eyes causing serious injury. Wear protective gloves and safety glasses or goggles when working with hydraulics. Use a piece of cardboard or wood, rather than hands, when searching for leaks. If an accident occurs, seek immediate emergency medical care or gangrene may result. **DO NOT DELAY.**
- Do not operate a hammer or mulching equipment on an open cab machine or on a machine with a tempered front glass window/door. The operator **MUST** use a polycarbonate front door/window when operating a hammer or mulching equipment.
- To protect the operator from thrown objects, the skid steer or track loader **MUST** be equipped with a polycarbonate protective door, and the operator **MUST** wear eye protection such as safety glasses or goggles.
- Use caution when entering and exiting the skid steer. Maintain three points of contact. Be careful not to become entangled in hydraulic hoses while entering or exiting the skid steer operator station.

Section 3: Operating Procedures

- Do not operate and/or travel across inclines where the tractor and/or implement can rollover. Consult your tractor's manual for acceptable inclines the tractor is capable of traveling across.
- Do not use this attachment to lift, carry, push or tow other equipment or objects. It is not properly designed or guarded for this use. The operator could lose control resulting in equipment damage and/or tipping hazard.
- Do not travel too fast. The rougher the terrain, the slower you must travel. Always travel at a speed slow enough to be able to adjust the deck height before running it into the ground. Also, travel slow enough to stop before running or turning into obstacles ahead and on either side.
- Do not use this attachment to pull and/or pry fence posts, stumps, roots, rocks, or other objects out of the ground. It is not properly designed or guarded for this use.
- Do not use this attachment as a lifting device for people or as a work platform. It is not properly designed or guarded for this use.
- Do not operate cutter with blades that are out-of-balance, bent, excessively worn, excessively nicked, or with blade bolts that are excessively worn. Damaged components can break at high speeds and be ejected in a hazardous manner.
- Do not alter attachment or replace parts on the attachment with other brands. Other brands may not fit properly or meet OEM (Original Equipment Manufacturer) specifications. They can weaken the integrity and impair the safety, function, performance, and life of the attachment. Replace parts only with genuine OEM parts.
- Do not exceed rated cutting capacity of your cutter. See specifications & capacities for specified cutting capacity. Exceeding rated cutting capacity can damage drive components, cutter blades, and deck components.
- Cutter deck can be slippery especially when wet. Always step on anti-slip surfaces when possible. Never hurry. Make sure you have secure footing and hand hold when walking on the deck.
- Buildup of debris around moving components and gearboxes is a fire hazard. Keep rotating parts and gearboxes free from debris.
- Make sure hydraulic hoses are properly routed without twists to prevent them from becoming stretched, pinched, or kinked. A damaged hydraulic hose can burst and leak hydraulic fluid.
- Avoid catching hydraulic hoses on brush, posts, tree limbs, and other protrusions that could damage and/or break them.

IMPORTANT: Do not over angle hitch plate forward. Over angling can cause damage to deck and hitch.

The Rotary Cutter should be operated with the gauge wheel on the ground, slack in the float chain, and deck rear slightly higher off the ground than the deck front. As the operator travels over uneven terrain, the skid steer hitch plate tilt angle and lift arm height may need some readjusting to maintain correct deck positioning.

Transporting

WARNING

To avoid serious injury or death:

When traveling on public roadways, travel in such a way that faster moving vehicles may pass safely. Use hazard lights, clean reflectors, and a slow moving vehicle sign that is visible from the back to warn operators in other vehicles of your presence. Always comply with all federal, state, and local laws.

1. Reduce ground speed when turning; and, leave enough clearance so the Rotary Cutter does not contact obstacles such as buildings, trees, or fences.
2. Select a safe ground travel speed that is 20 m.p.h. or less when transporting from one area to another. When traveling on roadways, transport in such a way that faster moving vehicles may pass you safely.
3. Decrease transport speed when traveling over rough or hilly terrain.
4. When transporting skid steer and cutter on a trailer:
 - Use towing vehicle and trailer of adequate capacity.
 - Always drive up a ramp with heavy end uphill.
 - Engage skid steer park brake and remove ignition key once it is loaded.
 - Secure skid steer Loader and attachment using tie-downs and chains.

Section 3: Operating Procedures

Cutting Instructions

WARNING

To avoid serious injury or death:

- Do not operate cutter with the front of the deck angled down more than 30 degrees. Exceeding this angle will result in objects being thrown from under the deck.

IMPORTANT: Do not over angle hitch plate forward. Over angling can cause damage to deck and hitch.

NOTE: Your cutter is equipped with free swinging cutting blades to reduce shock loads to the cutter when striking an obstacle.

25616



DO NOT OPERATE WITH SKID STEER FRONT WHEELS OFF THE GROUND
Figure 3-1

IMPORTANT: Refer to Figure 3-1: Do not operate cutter or navigate turns with front wheels of skid steer off the ground. Operating in above fashion will cause damage to deck & hitch.

IMPORTANT: Refer to Figure 3-3 on page 27: The deck is open in the front and rear. Swinging the deck side to side without raising it off the ground high enough to clear all obstacles can damage the deck.

The Skid Cutter should be operated in one of two ways.

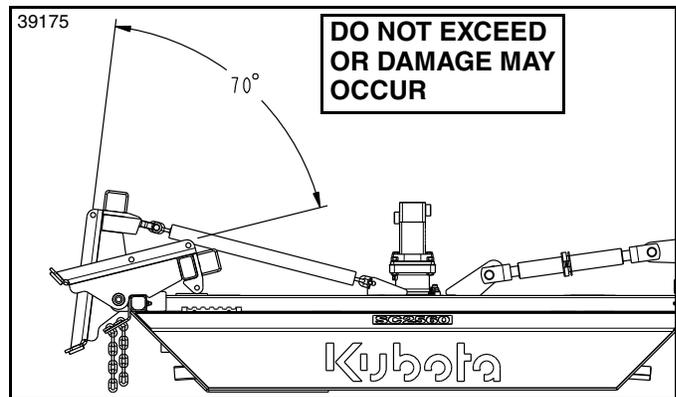
- When cutting grass, weeds, or light brush on level to rolling terrain, operate with the deck rear slightly higher than the deck front.
- When cutting grass, weeds, or light brush on a steep bank, engage blades and travel straight forward toward the bank until the cutter deck is hanging over the bank. Stop traveling and tilt top of hitch plate forward to lower the front of the cutter. Continue to tilt the hitch plate and lower/raise loader arms until the cutter is parallel with the bank slope. Do not operate cutter angled more than 30 degrees down. Once a satisfactory cut has been made, disengage blades, tilt top of hitch plate back to level the cutter deck, raise/lower loader arms as need, and back away from the bank.

- Thoroughly inspect the area to be cut for debris and unforeseen objects. Mark any potential hazards.
- Set skid steer hydraulic lift arms and hitch angle to position the deck front at the preferred cutting height and the deck rear slightly higher.
- If included, adjust gauge wheel to support deck front at the preferred height, and tilt hitch plate to put slack in the float chains.
- Start the skid steer and engage hydraulic motor. Allow several seconds for cutter blades to become aligned properly. If deck continues to vibrate after several seconds, stop motor and inspect blades.
- It is important to maintain correct hydraulic motor speed. Loss of motor speed will allow the blades to hinge back and result in ragged, uneven cutting.
- Ground speed depends on two things: the density of material being cut and size of skid steer. Never run fast enough to overload the skid steer or cutter.
- This cutter was designed to cut grass and medium brush cutting on gently sloping or slightly contoured right-of-ways, pastures, set aside acres, and row crop fields.

WARNING

To avoid serious injury or death:

Refer to Figure 3-2: Never exceed 70 degrees of operating motion or damage can occur to the hitch and deck.



Operating Motion Range
Figure 3-2

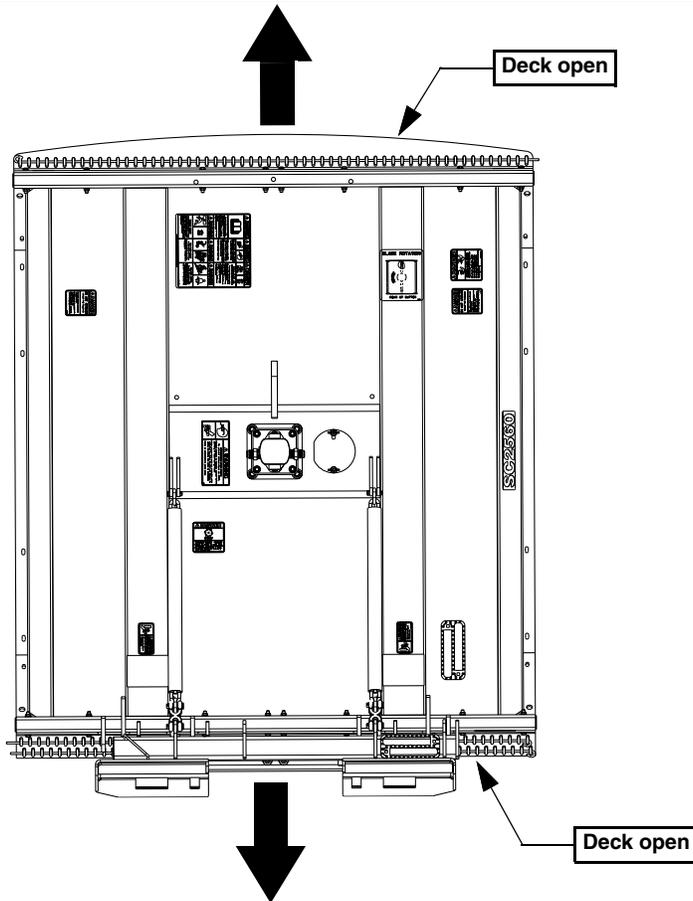
Refer to Figure 3-3 on page 27:

IMPORTANT: The deck is open in the front and rear. Swinging the deck side to side without raising off the ground high enough to clear all obstacles can damage the deck

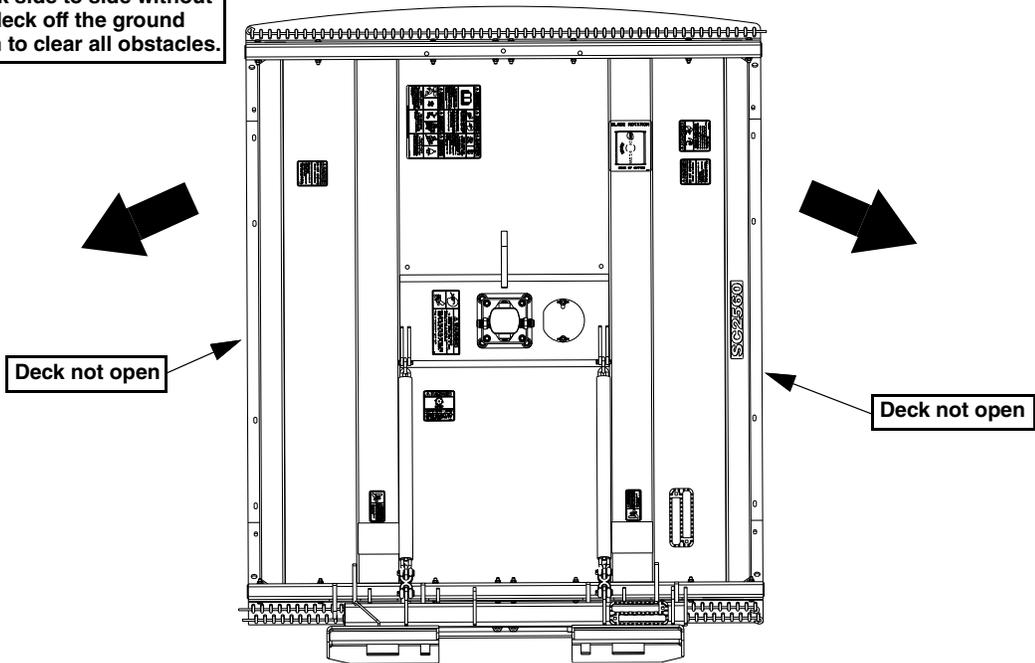
- Always travel straight forward or backward while cutting. Never swing deck side to side without first raising the deck off the ground. Make sure the deck is high enough to clear all obstacles before turning or swinging the deck side to side.

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Deck is open in front and rear. The direction of travel while cutting should be forward or reverse.



Never swing deck side to side without first raising the deck off the ground and high enough to clear all obstacles.



Cutting Operation
Figure 3-3

Section 3: Operating Procedures

General Operating Instructions

It is absolutely essential that you read and understand both the Operator's Manual for Kubota's skid steer Rotary Cutter and the Operator's Manual for the skid steer unit you intend to attach it to before attempting to operate or cut with this combination of equipment. You must be able to read, comprehend, and adhere to all safety warnings and decals in order to avoid personal injury, fatalities, injury to others, or costly damage to property and equipment. We highly recommend that you be a skilled and competent skid steer operator prior to attaching and attempting to use the skid steer Rotary Cutter. If there is any part of the information above or safe operating procedures you do not understand, please contact your nearest authorized dealer for a full explanation and training session if necessary.

Skid Steer Operating Instructions

WARNING

To avoid serious injury or death:

To protect the operator from thrown objects, the skid steer or track loader MUST be equipped with a polycarbonate protective door, and the operator MUST wear eye protection such as safety glasses or goggles.

Assuming you have met all of the above requirements and taken them seriously, it is time to take the next step and that is accomplished by dressing appropriately for the task. You will need to put on protective eye wear such as safety glasses, goggles, or a face shield. A hard hat, steel toed safety shoes, gloves, and hearing protection are also highly recommended. Never wear loose fitting clothing and you may want to put on a respirator or filter mask to avoid breathing in dust, pollen, or agriculturally used toxins that may be present.

The next step is a static or non-running pre-inspection of the skid steer unit. You will want to make sure that the skid steer is equipped with a fully functioning ROPS (Roll Over Protection System) which does include seat belts and an operator safety enclosure. The cab must also be equipped with a polycarbonate operator protective door, which may have been supplied with the skid steer unit. Kubota does offer a protective door with the SC2560 and SC2572 if one is not provided by your skid steer supplier. If the skid steer is to be operated on local roadways, it must be equipped with appropriate Slow Moving Vehicle (SMV) and other required lighting packages so as to make it compliant with state and local department of transportation requirements. The cutter drive motor must be matched to the output of the hydraulic capacity of the skid steer. Failure to do this could result in serious over-speeding of the cutting unit possibly resulting in serious injury, fatalities, or property damage. The universal quick-hitch mount should be in good working order and latches should be located to the open position. There should be no evidence of hydraulic leaks in and around the auxiliary hydraulic couplers. There must be a readily accessible attaching point for the Rotary Cutter lift-limit

chain on the lower front portion of the chassis frame. Finally make sure that all shields and safety features are in place and fully functional.

The next step is to perform a running check of the skid steer unit. As you get onto the skid steer and into the operator's compartment always use factory provided hand-holds and don't grab the steering or control levers to ease or stabilize your entry. Fasten your seat belt once you are seated and begin to mentally orient yourself with the position of all controls, switches, pedals, levers, and their related functions. Once you are sure that the park brake is on, no people or animals are in close proximity, all control levers, pedals, and hydraulic systems are in neutral position, go ahead and start the engine. With the engine now running and the throttle at approximately one third, test all controls to make sure they are fully functioning. If at any time there is an equipment failure, shut the unit down and make immediate and full repairs.

Rotary Cutter Operating Instructions

Assuming all systems with the skid steer are "go" and fully functioning, it is time to connect to the SC2560 or SC2572 Rotary Cutter. This is done by maneuvering the skid steer mounting plate into position under the universal quick mount hitch saddle. Once this is accomplished and the mower is fully supported by the skid steer lift arms, lower mower to a point approximately two inches above ground. Turn the engine off, set the parking brake, and climb out of the skid steer. Lock the latch handles down to engage the hitch pins. Make the appropriate hydraulic connections to the auxiliary hydraulic outlet and case drain making sure to keep connectors clean. Be sure to use proper fittings and if connection is difficult, moving levers may help relieve line pressure. (Note! Hydraulic flow direction on all skid steers is not the same. Make sure hoses are connected properly or blades will rotate at a much slower speed.) Wipe away spilled or excess hydraulic oil and secure Cordura sleeves to contain potential leaks. Connect the height limiting safety chain to the chassis attaching point and restrict cutting height to no more than eighteen inches. This completes the attachment of the cutter to the skid steer.

The next step is to complete a pre-operation check of the cutter. Make sure all guards, safety shields, safety chains, and deflectors are in place. All hardware must be in place and appropriately tightened. Damaged, severely worn, or defective parts must be replaced prior to operation. If your unit is equipped with the optional front mounted gauge wheel, you will want to adjust it for desired cutting height at this time.

Section 3: Operating Procedures

It is important that you inspect the area where you will be cutting and clear it of hazards and foreign objects before you start mowing. Never assume the area is clear. Cut only in areas you are familiar with and are free of foreign objects. Extremely tall grass should be cut twice to detect potential hazards. In the event you do strike an object, stop the cutter and tractor immediately to inspect and make any necessary repairs to the cutter before resuming operation. Remove or clearly mark the struck object to prevent hitting it again. It really pays to inspect a new area and to develop a safe plan before cutting.

No one, including people and animals, should be allowed within 100 yards of this cutter when in operation. If someone does approach, shut the cutter down immediately. The blades on this cutter should never be allowed to come in contact with objects such as wire, cable, rope, or chains that might become entangled. These types of entangled objects can become extremely hazardous by rotating outside of the cutter deck housing resulting in serious injury or death. Always inspect the area before you mow.

The best mowing results will be achieved at speeds between 2 mph and 5 mph as grounds and mowing conditions dictate. If you are mowing in particularly tall or dense brush, you may want to make two passes with the first pass being at 18" and the second pass made as a cross-cut at the desired cut height. If you are mowing without the benefit of the front mounted gauge wheel in the float position, you will probably need to slow down significantly especially over uneven terrain or furrows. Driving too fast over uneven ground will cause the unit to undulate in a forward pitching motion. The best advice is to drive slow but keep engine speed and blade tip speed high. Once you get the feel of it you can increase speed and productivity.

When you do need to stop, make sure you set the park brake, shut the skid steer engine off, and allow time for the blades to stop rotating before you climb down. With a little practice we are confident you will soon achieve safe and excellent results with your new Kubota SC2560 or SC2572 skid steer Rotary Cutter.

If attachment is to be operated in reverse, make sure visibility to the rear of the power unit is appropriate for the attachment.

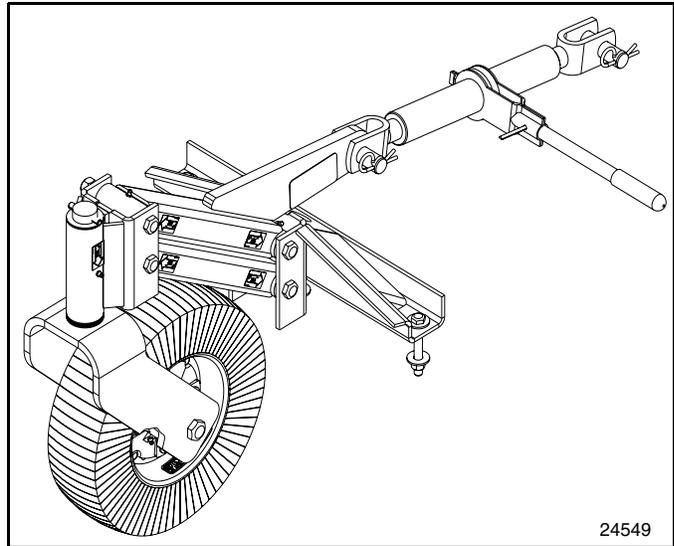
Front Mounted Gauge Wheel

Refer to Figure 4-1:

SC2560 Gauge Wheel Assembly326-004A

SC2572 Gauge Wheel Assembly326-858A

The Front mounted gauge wheel will aid in floating the cutter over uneven terrain making the operator's job easier and helps protect against running the cutter frame into the ground.



Gauge Wheel Assembly
Figure 4-1

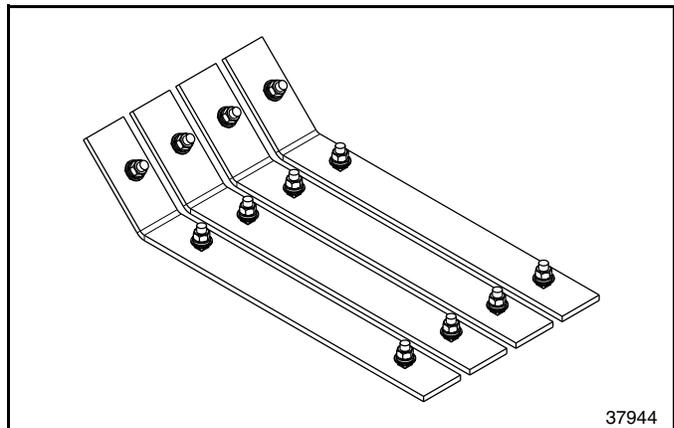
Skid Shoe Bundles

Refer to Figure 4-2:

Standard Skid Shoe Bundle326-827A

Heavy Skid Shoe Bundle326-828A

There are two skid shoe bundles available. The standard skid shoe bundle is constructed of 1/4" x 2" flat bar and the heavy skid shoe bundle is constructed of 3/8" x 3" flat bar. The heavy skid shoes will wear longer and withstand more abuse.



Skid Shoe Bundle
Figure 4-2

SC2560 Motor and Hose Assembly

Refer to Figure 4-3:

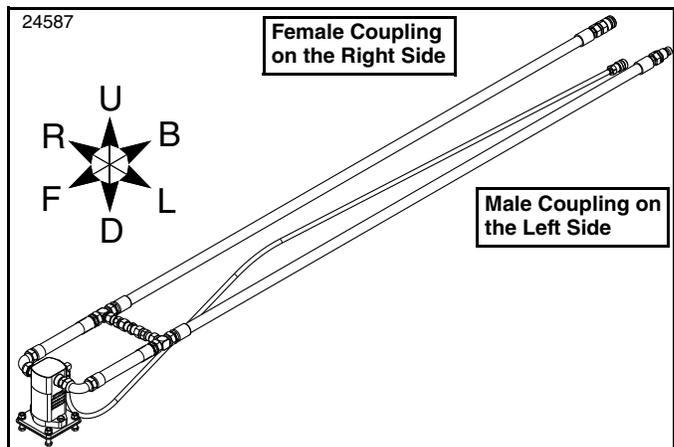
18-23 GPM Motor Assembly 326-821A

24-30 GPM Motor Assembly326-822A

SC2560 Hose Assembly326-826L

There are three motor and one hose assembly options to meet your skid steer requirements. All assemblies are interchangeable and do not require adapter kits. Compare your motor's hydraulic flow rating located on an attached decal with the motor ratings above.

If your motor and hose assemblies are not compatible with your skid steer, you should replace them with one of the motor assemblies and hose assemblies listed above.



SC2560 Motor and Hose Assembly
Figure 4-3

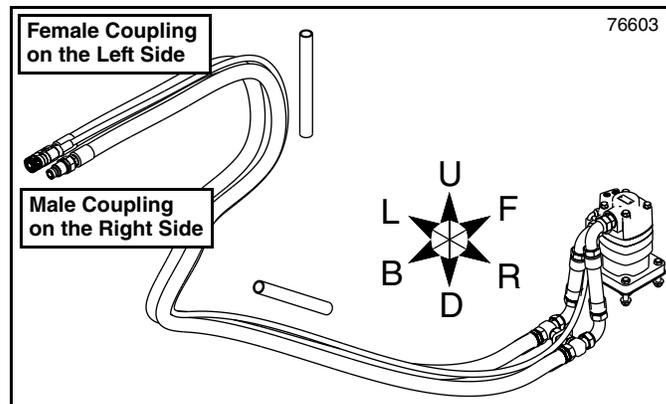
SC2572 Motor and Hose Assembly

Refer to Figure 4-4:

- 18-23 GPM Motor & Hose Assembly 327-374A
- 24-31 GPM Motor & Hose Assembly 327-375A

There are two motor and hose assembly options to meet your skid steer requirements. the assemblies are interchangeable and do not require adapter kits. Compare your motor’s hydraulic flow rating located on an attached decal with the motor ratings above.

If your motor and hose assemble is not compatible with your skid steer, you should replace it with the motor and hose assemblies that is compatible.



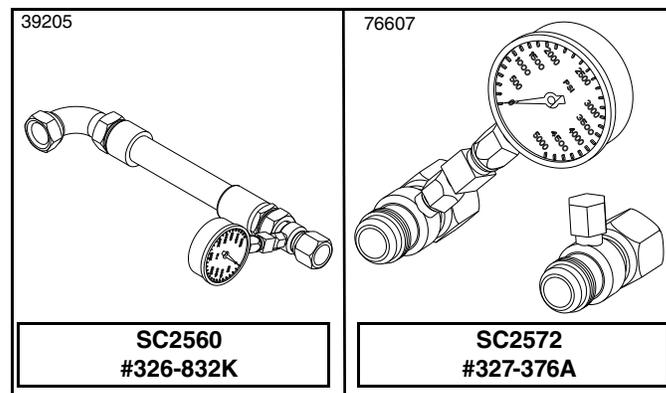
SC2572 Motor and Hose Assembly
Figure 4-4

Motor Pressure Gauge

Refer to Figure 4-5:

- Motor Pressure Gauge Bundle 326-832K
- SC2572 Motor Pressure Gauge Bundle . . . 327-376A

Kubota offers an optional Motor Pressure Gauge Bundle that allows for the operator to ensure that the motor is operating at optimal psi. Optimal operating psi should be between 2200-2800 psi.



Motor Pressure Gauge
Figure 4-5

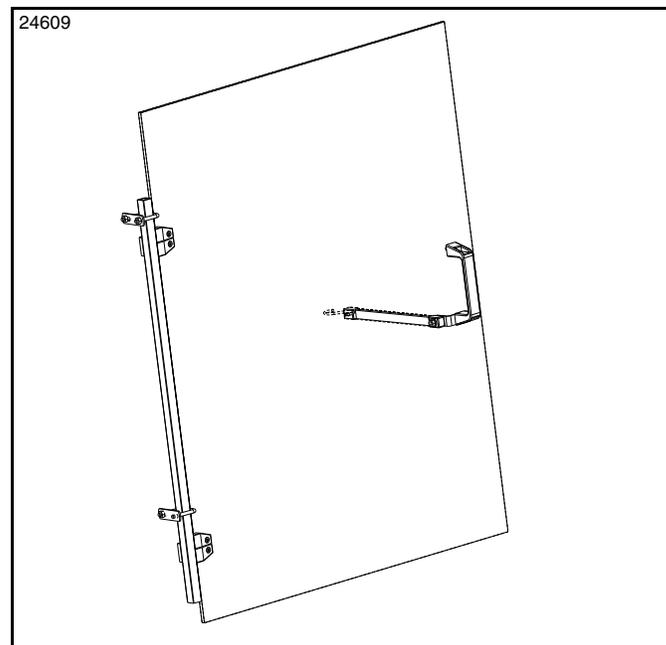
Polycarbonate Protective Door

Refer to Figure 4-6:

- Polycarbonate Protective Door. 326-024A

The skid steer or track loader **MUST** be equipped with an OEM Polycarbonate Operator Protective Door for shielding against flying debris when attached to a Rotary Cutter. Kubota offers a universal polycarbonate door shield that attaches to your skid steer hand hold with two u-bolts. Some notching in the shield may be required to fit your particular skid steer model. See “**Protective Door Assembly Option**” on page 19 for additional information.

The owner may choose to use a polycarbonate protective door provided by their skid steer supplier. Kubota offers a Operator Protective Door Kit #S6686 which can be used with the Kubota SVL. See your nearest Kubota dealer if purchasing this kit.



Polycarbonate Protective Door
Figure 4-6

Intell-Attach System™

The Intell-Attach System allows the Kubota power unit with a closed cab, hydraulic hitch, high-flow, and Telematics to intelligently recognize a Kubota by Land Pride Attachment when equipped with an Intell-Attach receiver and tag. Real time feedback between the attachment and SVL 97-3 helps the operator maximize performance and speed machine set-up.

The Intell-Attach System automatically adjusts the AUX flow. This auto adjust feature prohibits high-flow when connecting to an attachment requiring standard flow.

Receiver/Cover Assembly

Refer to Figure 4-7:

The receiver is mounted on the track loader and once programmed, the communication between the receiver and tag automatically recognizes the capabilities of the attachment and adjusts the power unit to match.

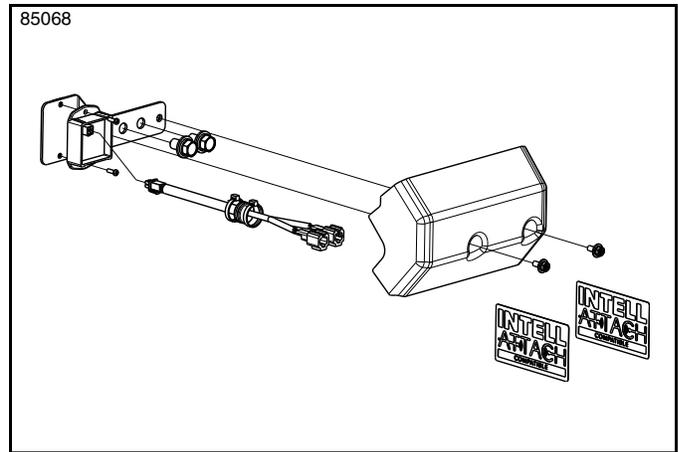
RECEIVER/COVER ASM 701-256A

Tag/Bracket Assembly

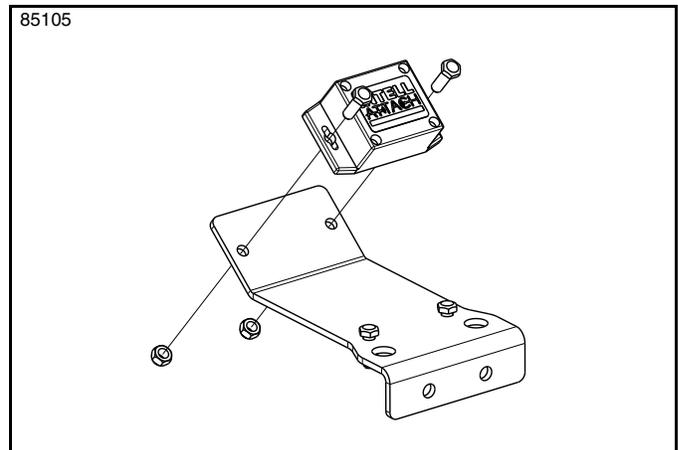
Refer to Figure 4-8:

The tag is mounted on the attachment and communicates using Bluetooth® wireless technology to communicate with the receiver on the track loader.

TAG/BACKET ASM #4 701-258A



**Receiver/Cover Assembly
Figure 4-7**



**Tag/Bracket Assembly
Figure 4-8**



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Section 5: Maintenance & Lubrication

Maintenance

Proper servicing and adjustment are key to the long life of any attachment. With careful inspection and routine maintenance, you can avoid costly downtime and repair.

Check all bolts after using unit for several hours to be sure they are tight. Replace any worn, damaged, or illegible safety labels by obtaining new labels from your Kubota dealer.

The parts on your cutter have been specially designed and should only be replaced with genuine Kubota parts. Do not alter the cutter in a way which will adversely affect its performance.

DANGER

To avoid serious injury or death:

- Do not go near or under raised loader arms without first securing loader arms in the raised position with an approved lift-arm support.
- Always secure equipment with solid, non-concrete supports before working under it. Never go under equipment supported by concrete blocks or hydraulics. Concrete can break, hydraulic lines can burst, and/or hydraulic controls can be actuated even when power to the hydraulics is off.

WARNING

To avoid serious injury or death:

- Always shut power machine down using the “Shutdown Procedure” provided in this manual before servicing, adjusting, cleaning, or maintaining the attachment.
- Keep body, body extremities, loose clothing, pull strings, etc. away from pinch points such as rotating, extending, and/or retracting components. Secure pinch point areas to ensure they will not move before working on or near them.
- Perform scheduled maintenance. Check for loose hardware, missing parts, broken parts, structural cracks, and excessive wear. Make repairs before putting the implement back into service.
- Do not alter attachment or replace parts on the attachment with other brands. Other brands may not fit properly or meet OEM (Original Equipment Manufacturer) specifications. They can weaken the integrity and impair the safety, function, performance, and life of the attachment. Replace parts only with genuine OEM parts.
- Buildup of debris around moving components and gearboxes is a fire hazard. Keep rotating parts and gearboxes free from debris.
- Make sure controls are all in the neutral position or park before starting the power machine.

Hydraulic System

WARNING

To avoid serious injury or death:

Hydraulic fluid under high pressure will penetrate the skin or eyes causing serious injury. Wear protective gloves and safety glasses or goggles when working with hydraulics. Use a piece of cardboard or wood, rather than hands, when searching for leaks. If an accident occurs, seek immediate emergency medical care or gangrene may result. **DO NOT DELAY.**

One of the most important things you can do to prevent hydraulic system problems is to ensure that your skid steer reservoir remains free of dirt and contamination.

Use a clean cloth to wipe the hose ends before attaching them to your skid steer. Replace the filter element for your skid steer’s hydraulic system at the prescribed intervals. These simple maintenances will go a long way to prevent occurrence of hydraulic problems.

Cutter Blade Maintenance

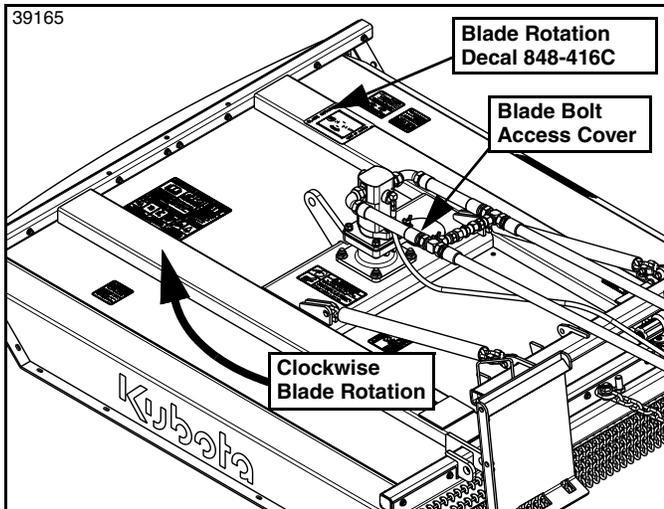
WARNING

To avoid serious injury or death:

- Always shut power machine down using the “Shutdown Procedure” provided in this manual before servicing, adjusting, cleaning, or maintaining the attachment.
- Do not operate cutter with blades that are out-of-balance, bent, excessively worn, excessively nicked, or with blade bolts that are excessively worn. Damaged components can break at high speeds and be ejected in a hazardous manner.
- Do not attempt to straighten a bent blade or weld on a blade. Do not attempt to modify a blade such as hard surfacing, heat treating, cold treating, or by any other method. Always replace blades with genuine OEM blades to assure safety.

IMPORTANT: Replace cutting blades with genuine Kubota blades only. Blades must be replaced in mating pairs. Not replacing both blades will result in an out-of-balance condition that could contribute to premature bearing wear/breakage and/or structural cracks in gearbox and/or deck.

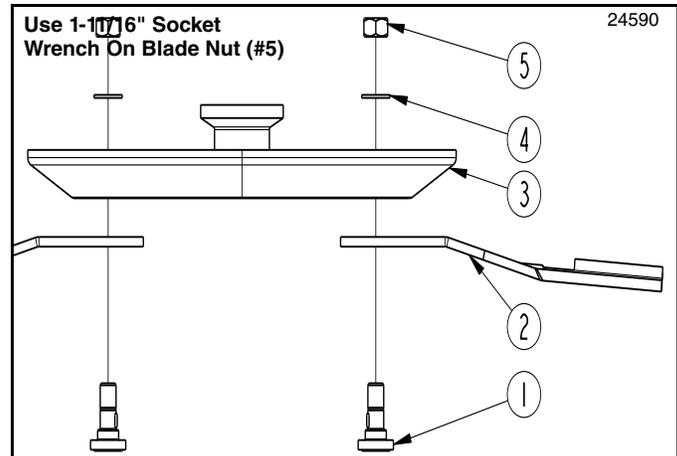
Always inspect cutting blades before each use. Make certain they are properly installed and are in good working condition. Replace any blade that is damaged, worn, bent, or excessively nicked. Never try to straighten a bent blade! Small nicks can be ground out when sharpening.



Blade Rotation & Blade Bolt Access Cover Location
Figure 5-1

Remove cutting blades and sharpen or replace as follows:

1. Place skid steer in park and/or set brakes, shut engine off and remove ignition key.
2. Always disconnect hydraulics from skid steer and secure cutter deck in the up position with solid supports before servicing underside of cutter.
3. **Refer to Figure 5-1:** Remove access blade bolt cover.
4. **Refer to Figure 5-2:** Rotate blade bolt (#2) until in alignment with access hole.
5. Unscrew locknut (#5) to remove cutting blade (#2). Blade bolt (#1) is keyed and will not turn freely.
6. Both blades should be sharpened at the same angle as the original cutting edge and must be replaced or re-ground at the same time to maintain proper balance in the cutting unit. The following precautions should be taken when sharpening blades:
 - a. Do not remove more material than necessary.
 - b. Do not heat and pound out a cutting edge.
 - c. Do not grind blades to a razor edge. Leave a blunt cutting edge approximately 1/16" (2 mm) thick.
 - d. Always grind cutting edge so end of blade remains square to cutting edge and not rounded.
 - e. Do not sharpen back side of blade.
 - f. Both blades should weigh the same with not more than 1 1/2 oz. (43 gm) difference. Unbalanced blades will cause excessive vibration which can damage gearbox bearings and create structural cracks.
7. **Refer to Figure 5-1:** Carefully check cutting edges of blades in relation to blade carrier rotation to ensure correct blade placement. Blade rotation is clockwise with cutting edge leading. Airfoil (lift) must be oriented towards the top of the deck.



Kubota Cutter Blade Parts

Item	Part No.	Part Description
	318-586A	BLADE BOLT KIT (Contains #'s 1, 4, & 5)
1	802-277C	BLADE BOLT 1 1/8-12 x 3 7/16 WITH KEY
2	820-112C	SC2560 CUTTER BLADE 1/2 x 4 x 25 CW
2	820-249C	SC2572 CUTTER BLADE 1/2 x 4 x 29 CW
3	316-124H	WELDMENT DISHPAN SC2560
3	327-144H	WELDMENT DISHPAN SC2572
4	804-147C	WASHER FLAT 1 HARD ASTM F436
5	803-170C	NUT HEX TOP LOCK 1 1/8-12 PLATE

Cutter Blade Assembly
Figure 5-2

Refer to Figure 5-2:

IMPORTANT: Examine blade bolts, washers, and nuts for excessive wear and replace if worn.

! WARNING

To avoid serious injury or death:

A locknut that has been removed can lose its thread locking properties. Reusing a used locknut can result in a thrown blade. Always use a new locknut when installing blades.

8. Insert blade bolt (#1) through blade (#2), dishpan (#3) and flat washer (#4). Secure blade with a new locknut (#5).
9. Torque locknut (#5) to 450 ft. lbs (610 N·m).
10. **Refer to Figure 5-1:** Replace blade bolt access cover.
11. If replacing dishpan (#3) shown in Figure 5-2, nut on gearbox output shaft should be torqued to 450 ft-lbs (610 Nm) minimum and secured with a cotter pin with both cotter pin legs bent opposite directions around the nut.

Skid Shoe Maintenance

Refer to Figure 5-3:

Standard Skid Shoe Bundle 326-827A		
Item	Part No.	Part Description
1	312-602D	SKID SHOE, 1/4" x 2"
2	802-466C	PLOW 3/8-16 X 1 1/4 GR5
3	803-198C	NUT HEX WHIZ 3/8-16 PLT

Heavy Skid Shoe Bundle 326-828A		
Item	Part No.	Part Description
1	326-343D	SKID SHOE HEAVY, 3/8" x 3"
2	802-466C	PLOW 3/8-16 X 1 1/4 GR5
3	803-198C	NUT HEX WHIZ 3/8-16 PLT

WARNING

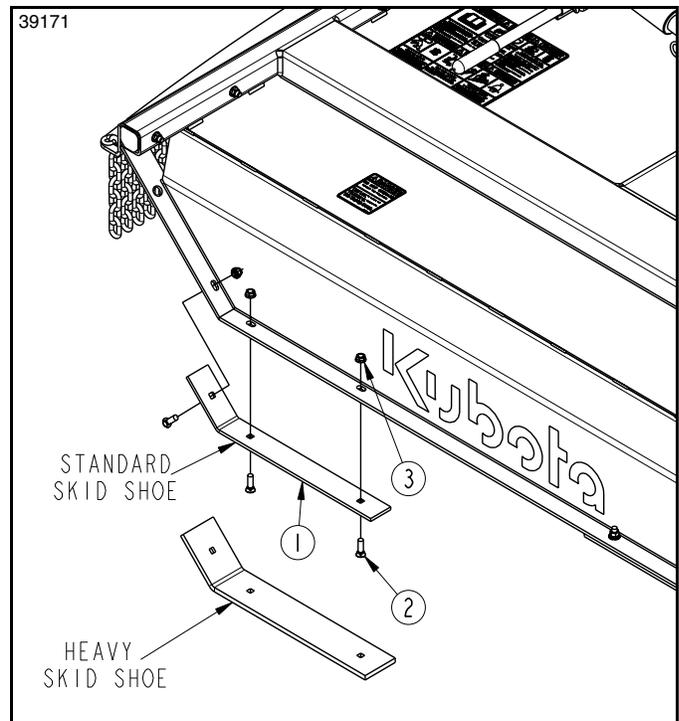
To avoid serious injury or death:

Excessive wear on skid shoes can damage side panels, cause inadequate operation of cutter, and create a safety hazard. Always replace skid shoes at the first sign of wearing thin.

Skid shoes should be inspected at the beginning of each cutting season and replaced when material thickness is less than 1/8" at any point. Order only genuine Kubota parts from your local Kubota dealer.

Replace skid shoes as follows:

1. Raise Rotary Cutter 3" (8 cm) or more off the ground and place support blocks under cutter. Make sure support blocks are positioned so they will not interfere with skid shoe installation.
2. Lower cutter onto support blocks, place skid steer in park, set park brakes, then shut the skid steer off and remove ignition key.
3. Remove hex nuts (#3) from plow bolts (#2) to remove skid shoes (#1).
4. Plow bolts (#2) should be checked for wear and replaced if necessary.
5. Install and secure new skid shoe (#1) to the deck corner as shown with three 3/8"-16 x 1 1/4" GR5 plow bolts (#2), and three 3/8" whiz nuts (#3). Tighten whiz nuts to correct torque.
6. Repeat step 5 for remaining skid shoes.
7. Raise cutter up and remove support blocks.



**Skid Shoe Replacement
Figure 5-3**

Section 5: Maintenance & Lubrication

Long-Term Storage

DANGER

To avoid serious injury or death:

Always secure equipment with solid, non-concrete supports before working under it. Never go under equipment supported by concrete blocks or hydraulics. Concrete can break, hydraulic lines can burst, and/or hydraulic controls can be actuated even when power to the hydraulics is off.

Clean, inspect, service, and make necessary repairs to the implement when storing it for long periods and at the end of the season. This will help ensure the unit is ready for field use the next time you hook-up to it.

CAUTION

To avoid minor or moderate injury:

Always store cutter with the quick hitch plate in the upright position. A hitch plate that is stored rotated down can tip up suddenly without warning.

Clean the Rotary Cutter at the end of the working season or when the cutter will not be used for a long period.

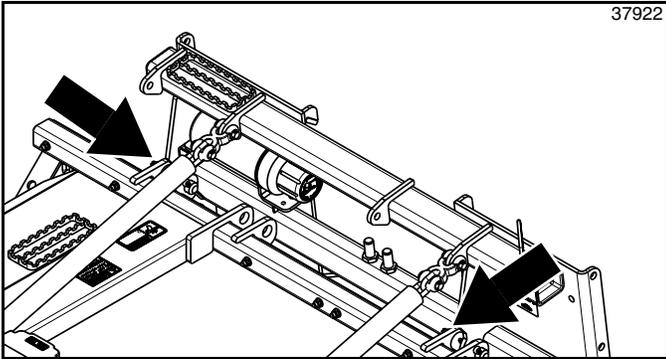
1. Clean off any dirt or grease that may have accumulated on the cutter and moving parts. Scrape off compacted dirt from the bottom of the deck and then wash the surface thoroughly with a garden hose. A coating of oil may also be applied to the lower deck area to minimize oxidation.
2. Check blades and blade bolts for wear and replace if necessary. See “**Cutter Blade Maintenance**” on page 34.
3. Inspect for loose, damaged, or worn parts and adjust or replace as needed.
4. Repaint parts where paint is worn or scratched to prevent rust.

Touch-Up Paint	
Part No.	Part Description
821-070C	Gloss black enamel spray can
821-070CTU	Gloss black enamel bottle with brush
821-070CQT	Gloss black enamel quart
821-070CGL	Gloss black enamel gallon

5. Replace all damaged or missing decals.
6. Lubricate as noted in the *Lubrication* portion of this section starting on page 38.
7. Store the Rotary Cutter in a clean, dry place. The deck should be positioned on a flat surface to suitable skid steer hook-up height. Ensure that the main frame is stable. Use auxiliary supports or posts if necessary to prevent the possibility of the unit tipping over. Store hitch in the upright position.

Lubrication Points

Lubrication Legend	Multi-purpose spray lube	Multi-purpose grease lube	Multi-purpose oil lube	50 Hrs	Intervals in hours at which lubrication is required
				25 Hrs	



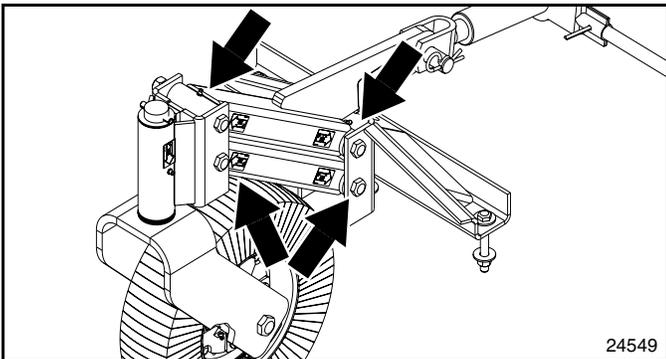
	25 Hours
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Hitch Plate Pivot

2 - Zerks

Type of Lubrication: Multi-purpose Grease

Quantity = As required



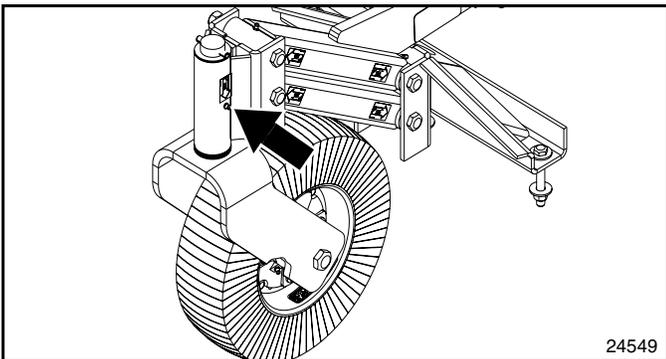
	25 Hours
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Gauge Wheel Parallel Arms

4 - Zerks

Type of Lubrication: Multi-purpose Grease

Quantity = As required



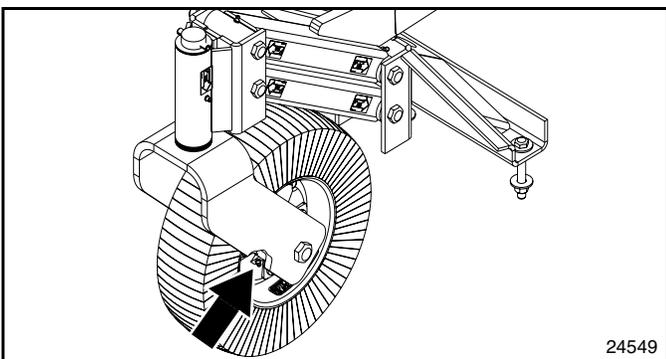
	25 Hours
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Gauge Wheel Spindle

1 - Zerk

Type of Lubrication: Multi-purpose Grease

Quantity = As required



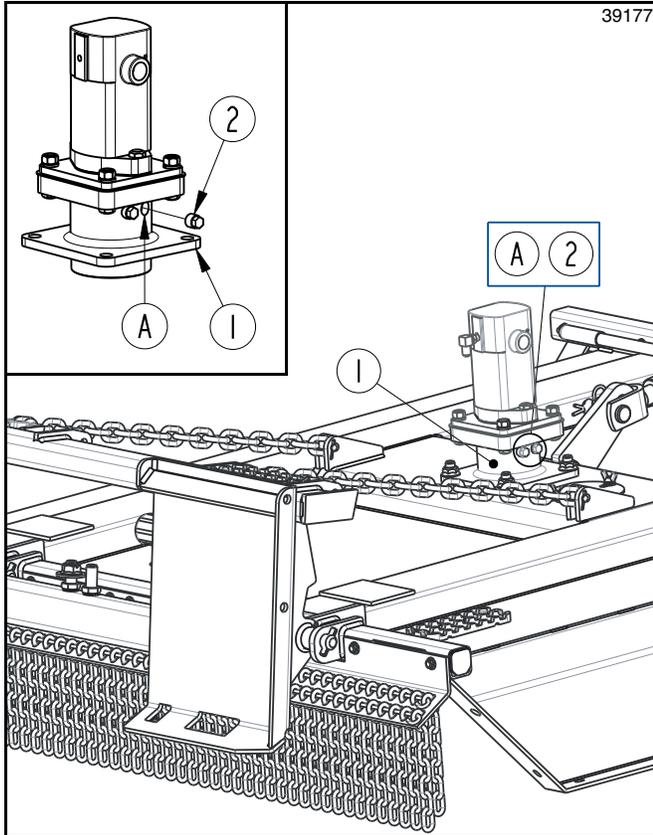
	25 Hours
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Axle Hub Bearing

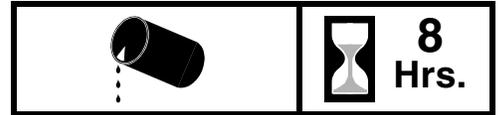
1 - Zerk

Type of Lubrication: Multi-purpose Grease

Quantity = As required



SC25 Series Spindle Hub Lubrication



SC25 Series Motor Spindle Hub

The motor spindle hub (#1), has two cavity ports (A) located on the right side of the hub housing.

1. Park cutter on flat level ground.
2. Disengage blade hydraulics. Make sure blades have come to a complete stop.
3. Set park brake, shut engine off, and remove ignition key before continuing.
4. Remove cavity plug (#2) from one of the cavity ports (A) to monitor fluid level when adding gearlube.
5. Add EP 80-90 weight gearlube until gearlube starts to come out of the cavity port (A). Full capacity of motor housing is approximately 1/3 pint (0.35 L).

NOTE: When adding gearlube, be prepared and keep cavity plug (#2) close by to quickly plug cavity port (A) to minimize leakage.

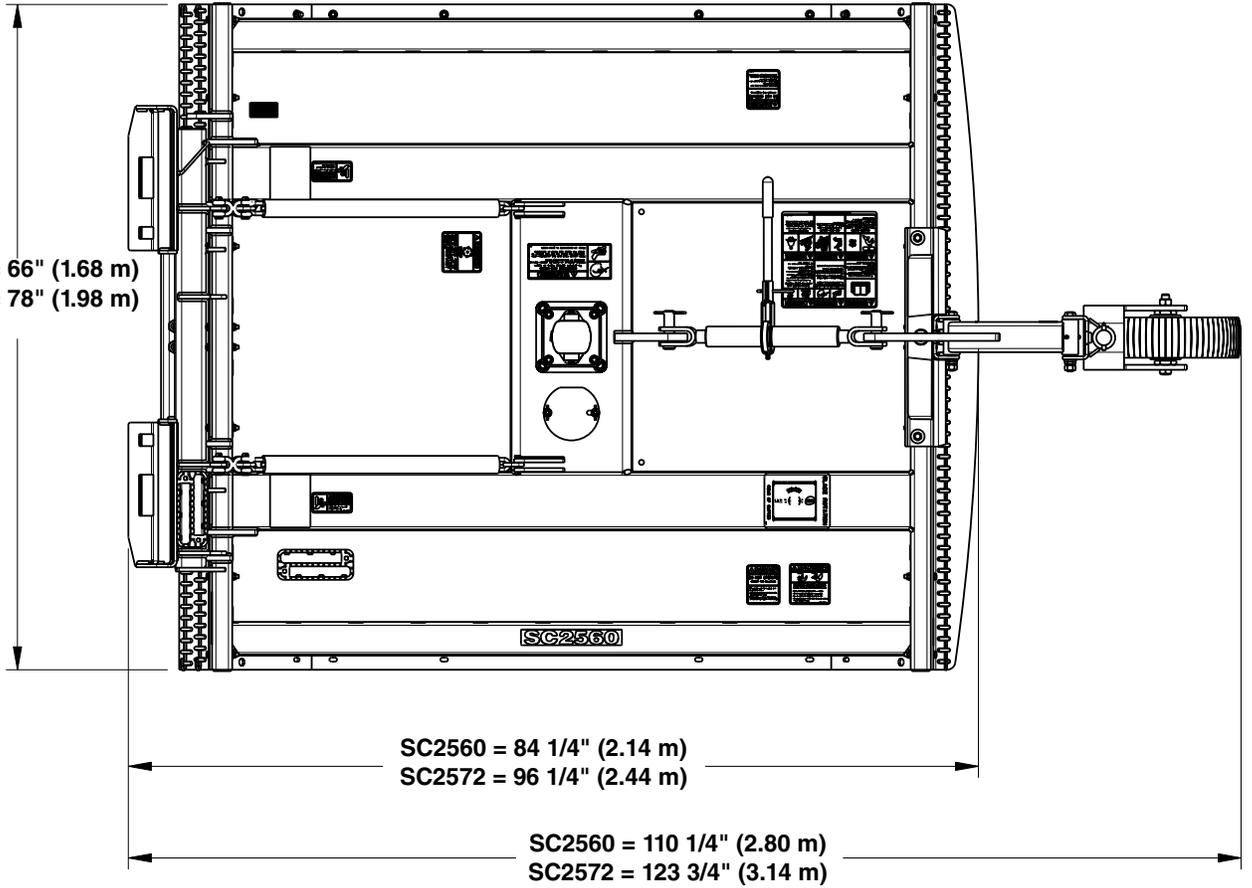
6. Reinstall cavity plug (#2) and tighten.
7. Clean up any gearlube that may have spilled out onto the cutter deck.

SC2560 & SC2572 Skid Steer Rotary Cutter

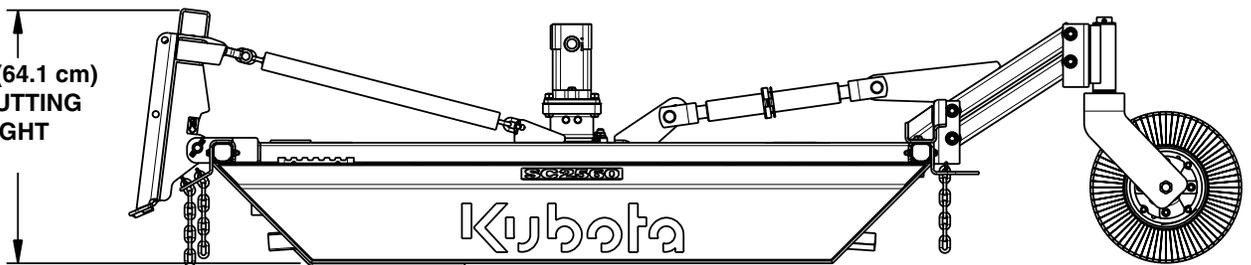
Specifications & Capacities		
Model Numbers	SC2560	SC2572
Cutter weight without skid shoes, gauge wheel, & protective door	871 lbs (395.1 kg)	1098 lbs (498.0 kg)
Gauge wheel weight (Optional)	129 lbs (58.5 kg)	
Skid shoe weight (Optional)	Standard skid shoes = 10 lbs (4.5 kg) Heavy-duty skid shoes = 21 lbs (9.5 kg)	
Optional protective door material & assembly weight	Clear polycarbonate shield 10 lbs (4.5 kg)	
Hitch	Universal floating-hitch mounting plate. Hitch plate can be mounted centered on the deck or mounted to offset the deck to the right 8 1/2" (21.6 cm).	
Cutting width	60" (1.52 m)	72" (1.83 m)
Overall width	65 1/2" (1.66 m)	78" (1.98 m)
Overall length	73" (1.85 m)	91" (2.31 m)
Cutting height	1 1/2" to 18" (3.8 cm to 45.7 cm) infinitely variable.	
Cutting capacity	2" (5.1 cm) Diameter	
Spindle hub oil	EP 80-90 wt. gearlube	
Medium volume drive motor	18-23 gpm (68.1-87.1 lpm) flow	
High volume drive motor	24-30 gpm (90.8-113.6 lpm) flow	
Hydraulic pressure	1500 to 3500 psi (10.3 to 24.1 MPa)	
Deck thickness	10 Ga. (3.4 mm)	
Side skirt construction	1/4" (6 mm) Steel	
Deck wear protection (Optional)	Optional four corner mounted skid shoes.	
Skid shoes construction (Optional)	Standard-duty skid shoes = 1/4" x 2" (6 mm x 5.1 cm) steel Heavy-duty skid shoes = 3/8" x 3" (1 cm x 7.6 cm) steel	
Dishpan	Heavy duty round pan stump jumper.	
Blade size	1/2" x 4" (1.3 cm x 10.2 cm) updraft.	
Blade rotation	Clockwise	
Blade Bolt	1 1/8"-12 x 3 7/16" with key.	
18-23 gpm motor blade tip speed	13,455 fpm (68.4 mps) at 23 gpm (87.1 lpm)	14,940 fpm (75.9 mps) at 23 gpm (87.1 lpm)
24-30 gpm motor blade tip speed	13,769 fpm (69.9 mps) at 30 gpm (113.6 lpm)	16,523 fpm (83.9 mps) at 30 gpm (113.6 lpm)
Front deck protection	Single row chain guard.	
Rear deck protection	Double row chain guard.	
Deck lift height protection	Safe chain limiter.	
Cutting height gauge (Optional)	Pivoting and adjustable front mounted gauge wheel with laminated tire.	

39178

SC2560 = 66" (1.68 m)
SC2572 = 78" (1.98 m)



25 1/4" (64.1 cm)
MIN CUTTING
HEIGHT



SC25 Series (Skid Steer)

Features	Benefits
SC2560: Medium volume motor @ 18-23 gpm High volume motor @ 24-30 gpm	Customer can chose one of three optional motors (low, medium or high volume) for the SC2560 allowing the cutter to fit a wide variety of Skid Steers. Also the deck can be upgraded to a different motor when the owner upgrades his Skid Steer.
SC2572: Medium volume motor @ 18-23 gpm High volume motor @ 24-30 gpm	Customer can chose one of two optional motors (medium or high volume) for the SC2572 allowing the cutter to fit a wide variety of Skid Steers. Also the deck can be upgraded to a different motor when the owner upgrades his Skid Steer.
Case drain	Protects gearbox.
1/4" Side panels for overall reinforcement	Protects sides from debris being thrown against them from the blades.
Front and rear chain shields	Single chain on the front and double chain on the rear. Reduces flying debris.
Replaceable skid shoes (optional)	Protect side plate structure. Shoes are replaceable for convenience.
Splined blade bar	Allows for tight positive fit of stump jumper and blade bar to motor output shaft.
3/16" Round stump jumper	Standard stump jumper aids in sliding over obstructions, which helps protect gearbox output shaft.
1/2" x 4" Heat-treated free swinging blades	Heat-treated blades offer longer life. Free swinging blades protect from obstructions.
2" Diameter cutting capacity	Can aid in clearing brush.
SC2560 High blade tip speed	Medium volume motor = 13,455 fpm at 23 gpm (4 101 m/min @ 81.7 L/min) High volume motor = 13,769 fpm at 30 gpm (4 197 m/min @ 113.6 L/min).
SC2572 blade tip speed	Medium volume motor = 14,940 fpm at 23 gpm (94 554 m/min @ 81.7 L/min) High volume motor = 16,523 fpm at 30 gpm (5 036 m/min @ 113.6 L/min)
Offset hitch (8 1/2" to the right)	Allows the operator to cut close to obstacles on the right side.
Optional front gauge wheel	Provides easy operation and handling over uneven terrain, laminated tire can't go flat.
Polycarbonate door (optional)	Provides layer of protection between the cutter and operator.
Floating hitch mounting plate	Allows smoother travel over rough terrain with the optional gauge wheel easing the fatigue put on the operator.
Motor pressure gauge	Allows the operator to ensure that the motor is operating at proper psi.
Lift limit safety chain	Provides additional operator protection from flying objects by allowing the Rotary Cutter to only be lifted up to 18".

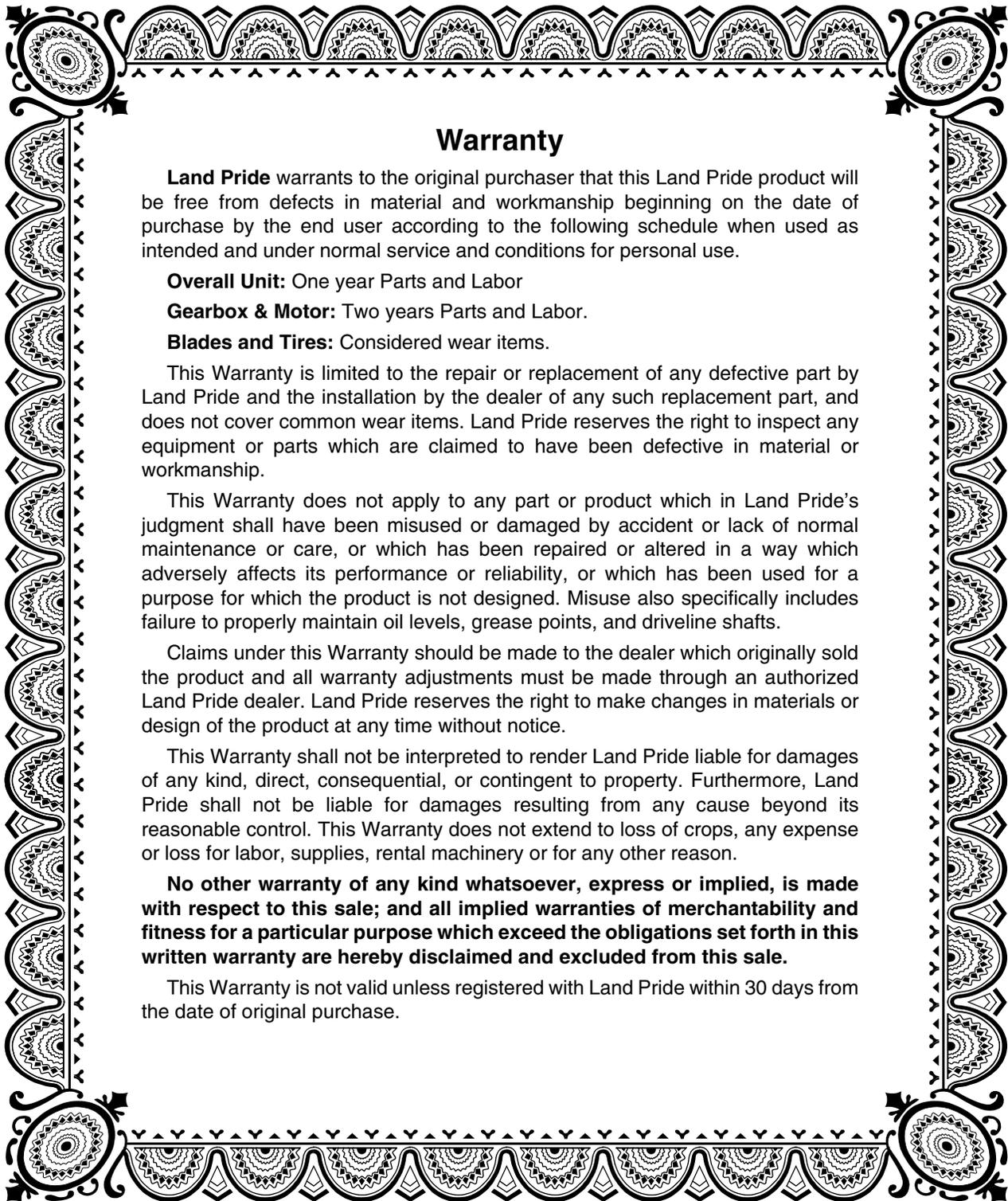
Troubleshooting Chart

Problem	Cause	Solution
Motor Oil Seal Leaking	Return line from motor has been pinched or is collapsed.	Replace lower seal of motor. Check motor return hose for kinks.
	Case drain line is not properly connected.	Connect case drain line to the hydraulic motor and skid steer reservoir.
Spindle Hub Seal Leaking	Seal is worn or torn.	Replace lower seal of motor and Spindle Hub output shaft seal. Check motor return hose for kinks.
Blades wearing excessively	Cutting on sandy ground.	Raise cutting height.
	Contacting ground frequently.	Raise cutting height.
Blades coming loose	Blade bolts not tightened properly.	Use new nut and torque blade bolt nuts to 450 ft lbs.
Blade carrier becomes loose	Running loose in the past.	Replace gearbox output shaft and blade carrier.
	Blade carrier hardware not tight enough.	Tighten to specified torque.
Blade bolt holes worn	Blade hardware running loose.	Replace blades and blade bolts if worn.
	Not maintaining tip speed.	Slow down to maintain tip speed.
Blades breaking	Hitting solid objects.	Thoroughly check the cutting area BEFORE beginning to cut. Be alert during cutting.
Blade Carrier bent	Hitting solid objects.	Avoid solid objects/Be alert. Replace blade carrier.
Gauge wheel support failing	Lowering too fast.	Adjust rate of drop.
	Hitting objects when turning.	Reduce speed on turns.
Excessive skid shoe wear	Cutting height not level.	Adjust deck height or replace.
	Soil abrasive.	Raise cutting height.
	Cutting too low.	Raise cutting height.
Excessive vibration	Locked blades.	Inspect and unlock blades.
	Blades have unequal weight.	Replace blades as a PAIR.
	Blade carrier bent.	Replace blade carrier.
Hitch lugs failing	Tilting hitch plate too far forward.	Do not tilt the hitch plate too far forward. Do not put down pressure on hitch plate

Torque Values Chart for Common Bolt Sizes													
Bolt Size (inches)	Bolt Head Identification						Bolt Size (Metric)	Bolt Head Identification					
	Grade 2		Grade 5		Grade 8			Class 5.8		Class 8.8		Class 10.9	
in-tpi ¹	N · m ²	ft-lb ³	N · m	ft-lb	N · m	ft-lb	mm x pitch ⁴	N · m	ft-lb	N · m	ft-lb	N · m	ft-lb
1/4" - 20	7.4	5.6	11	8	16	12	M 5 X 0.8	4	3	6	5	9	7
1/4" - 28	8.5	6	13	10	18	14	M 6 X 1	7	5	11	8	15	11
5/16" - 18	15	11	24	17	33	25	M 8 X 1.25	17	12	26	19	36	27
5/16" - 24	17	13	26	19	37	27	M 8 X 1	18	13	28	21	39	29
3/8" - 16	27	20	42	31	59	44	M10 X 1.5	33	24	52	38	72	53
3/8" - 24	31	22	47	35	67	49	M10 X 1.25	35	26	53	39	76	56
7/16" - 14	43	32	67	49	95	70	M12 X 1.75	58	42	91	67	125	93
7/16" - 20	49	36	75	55	105	78	M12 X 1.5	60	44	95	70	130	97
1/2" - 13	66	49	105	76	145	105	M12 X 1	90	66	105	77	145	105
1/2" - 20	75	55	115	85	165	120	M14 X 2	92	68	145	105	200	150
9/16" - 12	95	70	150	110	210	155	M14 X 1.5	99	73	155	115	215	160
9/16" - 18	105	79	165	120	235	170	M16 X 2	145	105	225	165	315	230
5/8" - 11	130	97	205	150	285	210	M16 X 1.5	155	115	240	180	335	245
5/8" - 18	150	110	230	170	325	240	M18 X 2.5	195	145	310	230	405	300
3/4" - 10	235	170	360	265	510	375	M18 X 1.5	220	165	350	260	485	355
3/4" - 16	260	190	405	295	570	420	M20 X 2.5	280	205	440	325	610	450
7/8" - 9	225	165	585	430	820	605	M20 X 1.5	310	230	650	480	900	665
7/8" - 14	250	185	640	475	905	670	M24 X 3	480	355	760	560	1050	780
1" - 8	340	250	875	645	1230	910	M24 X 2	525	390	830	610	1150	845
1" - 12	370	275	955	705	1350	995	M30 X 3.5	960	705	1510	1120	2100	1550
1-1/8" - 7	480	355	1080	795	1750	1290	M30 X 2	1060	785	1680	1240	2320	1710
1-1/8" - 12	540	395	1210	890	1960	1440	M36 X 3.5	1730	1270	2650	1950	3660	2700
1-1/4" - 7	680	500	1520	1120	2460	1820	M36 X 2	1880	1380	2960	2190	4100	3220
1-1/4" - 12	750	555	1680	1240	2730	2010	¹ in-tpi = nominal thread diameter in inches-threads per inch ² N · m = newton-meters ³ ft-lb= foot pounds ⁴ mm x pitch = nominal thread diameter in millimeters x thread pitch						
1-3/8" - 6	890	655	1990	1470	3230	2380							
1-3/8" - 12	1010	745	2270	1670	3680	2710							
1-1/2" - 6	1180	870	2640	1950	4290	3160							
1-1/2" - 12	1330	980	2970	2190	4820	3560							
Torque tolerance + 0%, -15% of torquing values. Unless otherwise specified use torque values listed above. All locknuts or lubricated fasteners: Use 75% of torque value. (i.e. 1/2"-13 GR5 = 76 ft-lb; 75% of 76 or .75 x 76 = 57 ft-lb)													
Additional Torque Values													
Wheel Hub Stub 1/2"-20x1 5/8 GR5							85 ft-lbs (115 N·m)						
Blade Bolt Locknut							450 ft-lbs (610 N·m)						
Blade Carrier Hub Nut							450 ft-lbs (610 N·m)						



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Warranty

Land Pride warrants to the original purchaser that this Land Pride product will be free from defects in material and workmanship beginning on the date of purchase by the end user according to the following schedule when used as intended and under normal service and conditions for personal use.

Overall Unit: One year Parts and Labor

Gearbox & Motor: Two years Parts and Labor.

Blades and Tires: Considered wear items.

This Warranty is limited to the repair or replacement of any defective part by Land Pride and the installation by the dealer of any such replacement part, and does not cover common wear items. Land Pride reserves the right to inspect any equipment or parts which are claimed to have been defective in material or workmanship.

This Warranty does not apply to any part or product which in Land Pride's judgment shall have been misused or damaged by accident or lack of normal maintenance or care, or which has been repaired or altered in a way which adversely affects its performance or reliability, or which has been used for a purpose for which the product is not designed. Misuse also specifically includes failure to properly maintain oil levels, grease points, and driveline shafts.

Claims under this Warranty should be made to the dealer which originally sold the product and all warranty adjustments must be made through an authorized Land Pride dealer. Land Pride reserves the right to make changes in materials or design of the product at any time without notice.

This Warranty shall not be interpreted to render Land Pride liable for damages of any kind, direct, consequential, or contingent to property. Furthermore, Land Pride shall not be liable for damages resulting from any cause beyond its reasonable control. This Warranty does not extend to loss of crops, any expense or loss for labor, supplies, rental machinery or for any other reason.

No other warranty of any kind whatsoever, express or implied, is made with respect to this sale; and all implied warranties of merchantability and fitness for a particular purpose which exceed the obligations set forth in this written warranty are hereby disclaimed and excluded from this sale.

This Warranty is not valid unless registered with Land Pride within 30 days from the date of original purchase.

IMPORTANT: The Online Warranty Registration should be completed by the dealer at the time of purchase. This information is necessary to provide you with quality customer service.

Model Number _____ **Serial Number** _____

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