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 or Spanish Language, please see your Land Pride dealer.

Printed 11/6/18
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.

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Dealer Contact Information

Name: __________________________
Street: __________________________
City/State: __________________________
Telephone: __________________________
Email: __________________________

California Proposition 65

WARNING: Cancer and reproductive harm - www.P65Warnings.ca.gov
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See previous page for Table of Contents.
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, or have the manuals read to them, before operating the power machine and this implement.

- 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 the ability to safely and properly operate the equipment.
- The operator should be familiar with all functions of the tractor and attached implement and be able to handle emergencies quickly.
- Make sure all guards and shields appropriate for the operation are in place and secured before operating implement.
- Keep all bystanders away from equipment and work area.
- Start tractor from the driver’s seat with hydraulic controls in neutral.
- Operate tractor and controls from the driver’s seat only.
- Never dismount from a moving tractor or leave tractor unattended with engine running.
- Do not allow anyone to stand between tractor and implement while backing up to implement.
- Keep hands, feet, and clothing away from power-driven parts.
- While transporting and operating equipment, watch out for objects overhead and along side such as fences, trees, buildings, wires, etc.
- Do not turn tractor so tight as to cause hitched implement to ride up on the tractor’s rear wheel.
- Store implement 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 involved and extra safety precaution must be taken. When you see this symbol, be alert and carefully read the message that follows it. In addition to design and configuration of equipment, 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. The signal words 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.

**Safety Precautions for Children**
Tragedy can occur if the operator is not alert to the presence of children. Children generally are attracted to implements 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 implement and tractor down if children enter the work area.
- Never carry children on the tractor or implement. 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 implement.
- Use extra caution when backing up. Before the tractor starts to move, look down and behind to make sure the area is clear.

**Tractor Shutdown & Storage**
- If engaged, disengage power take-off.
- Park on solid, level ground and lower implement to ground or onto support blocks.
- Put tractor in park or set park brake, turn off engine, and remove switch key to prevent unauthorized starting.
- Relieve all hydraulic pressure to auxiliary hydraulic lines.
- 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 tractor.
- Detach and store implement in an area where children normally do not play. Secure implement using blocks and supports.
Listed below are common practices that may or may not be applicable to the products described in this manual.

## Tire Safety
- Tire changing can be dangerous and must be performed by trained personnel using the correct tools and equipment.
- 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 implement 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.

## Transport 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 tie downs and chains.
- Sudden braking can cause a towed trailer to swerve and upset. Reduce speed if towed trailer is not equipped with brakes.
- Avoid contact with any overhead utility lines or electrically charged conductors.
- Always drive with load on end of loader arms low to the ground.
- Always drive straight up and down steep inclines with heavy end of a tractor with loader attachment on the “uphill” side.
- Engage park brake when stopped on an incline.
- Maximum transport speed for an attached equipment is 20 mph. DO NOT EXCEED. Never travel at a speed which does not allow adequate control of steering and stopping. Some rough terrains require a slower speed.
- As a guideline, use the following maximum speed weight ratios for attached equipment:
  - 20 mph when weight of attached equipment is less than or equal to the weight of machine towing the equipment.
  - 10 mph when weight of attached equipment exceeds weight of machine towing equipment but not more than double the weight.
- IMPORTANT: Do not tow a load that is more than double the weight of the vehicle towing the load.

## Use A Safety Chain
- A safety chain will help control drawn machinery should it separate from the tractor drawbar.
- Use a chain with the strength rating equal to or greater than the gross weight of the towed implement.
- Attach the chain to the tractor drawbar support or other specified anchor location. Allow only enough slack in the chain to permit turning.
- Always hitch the implement to the machine towing it. Do not use the safety chain tow the implement.

## 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 implement to the ground and follow all shutdown procedures before leaving the operator’s seat to perform maintenance.
- Do not work under any hydraulic 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 implement.
- Inspect all parts. Make certain parts are in good condition & installed properly.
- Replace parts on this implement with genuine Land Pride parts only. Do not alter this implement in a way which will adversely affect its performance.
- Do not grease or oil implement 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 implement are properly collected and disposed.
- Remove all tools and unused parts before operation.
- Do not weld or torch on galvanized metal as it will release toxic fumes.
Listed below are common practices that may or may not be applicable to the products described in this manual.

**Important Safety Information**

**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, 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 equipment safely requires the operator’s full attention. Avoid wearing headphones while operating equipment.

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

**Use Safety Lights and Devices**
- Slow moving tractors, skid steers, self-propelled machines, and towed equipment can create a hazard when driven on public roads. They are difficult to see, especially at night. Use the Slow Moving Vehicle sign (SMV) when on public roads.
- Flashing warning lights and turn signals are recommended whenever driving 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 against serious injury or death from falling and machine overturn.

**Keep Riders Off Machinery**
- Never carry riders on tractor or implement.
- 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 tractor or implement to lift or transport riders.

**Avoid Underground Utilities**
- Dig Safe, Call 811 (USA).
  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.
**Important Safety Information**

### Safety Labels

Your Rotary Cutter comes equipped with all safety labels in place. They were designed to help you safely operate your implement. 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 Land Pride 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 Land Pride. 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.

---

**WARNING**

To Prevent Serious Injury or Death:
- Read and understand Operator’s Manual before using. Review annually.
- Do not permit riders on tractor or mower.
- Operate only with guards installed and in good condition.
- Keep away from moving parts.
- Operate only with tractor equipped with ROPS and seatbelts.
- Before moving, clear debris from mowing area.
- Do not operate in the raised position.
- Stop engine, set brake and wait for all moving parts to stop before dismounting.
- Support mower securely before working beneath it.
- Transport with clean reflectors, SWV and working lights as required by federal, state, and local laws.
- Do not allow children to operate mower.

---

**DANGER**

- ROTATING BLADES - KEEP AWAY
- THROWN OBJECT HAZARD

---

**NOTICE TO OWNER**

An OPERATOR’S MANUAL was attached to this implement during final inspection at the factory. If it was not attached at the time of purchase please, contact your selling dealer at once.
- Read and understand manual BEFORE operating the implement.
- Pay attention to the safety messages.

---

**CAUTION**

To avoid injury or Machine Damage
- Operate only with 540 rpm PTO

---

818-830C

Safety Combo: (2-Places)
Located on the right and left wing

818-130C

Caution: 540 rpm
**Important Safety Information**

**Table of Contents**

- **818-556C**
  Danger: Thrown Object

- **818-555C**
  Danger: Rotating Blades

- **818-543C**
  Danger: Power Take-Off Shield

- **818-142C**
  Danger: Driveline
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**Important Safety Information**

---

**DANGER**

**GUARD MISSING, DO NOT OPERATE**

When this is visible, rotating blade/thrown object hazard will cause serious injury or death.

---

**848-088C**

Danger: Guard Missing
Located beneath rear guard

---

**858-095C**

2" x 4 1/2" Red Reflector (2 places)

---

**818-552C**

Danger: Driveline

---

**818-540C**

Danger: Guard Missing

---
Land Pride 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 Implement.

Application
Land Pride’s RCR12 Series Rotary Cutters are ideal for clearing grass, weeds, and light brush. These cutters offer fast, clean, dependable mowing, and have been extensively tested to ensure operating safety. High blade tip speeds assure a clean cut in a variety of field conditions. The standard stump jumper slides over stumps, rocks, and debris and safety guards keep you up and running.

See “Specifications & Capacities” on page 30 and “Features & Benefits” on page 32 for additional information and performance enhancing options.

Using This Manual
- This Operator’s Manual is designed to help familiarize the operator 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 facing forward in the direction the machine will operate while in use unless otherwise stated.

Definitions

IMPORTANT: A special point of information related to the following topic. Land Pride’s intention is this information must be read & noted before continuing.

NOTE: A special point of information that the operator should be aware of before continuing.

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 Land Pride and should only be replaced with genuine Land Pride parts. Contact a Land Pride dealer if customer service or repair parts are required. Your Land Pride dealer has trained personnel, repair parts, and equipment needed to service the implement.

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 Land Pride dealer. For location of your serial number plate, see Figure 1.
Tractor Requirements
Tractor horsepower should be within the range noted below. Tractors outside the horsepower range must not be used.

- Horsepower Rating: 18-60 horsepower
- Rear Power Take-Off Shaft Type: 1 3/8"-6 Spline
- Rear Power Take-Off Speed: 540 rpm
- Hitch Type: 3-point Cat. I QH Ready
- Tractor Weight: See Important Note Below

**WARNING**
To avoid serious injury or death:
Lightweight tractors with rear attached implements may need weights added to the front to maintain steering control. Consult your tractor Operator’s Manual to determine proper weight requirements and maximum weight limitations.

Dealer Preparations
This Rotary Cutter has been partially assembled at the factory. Additional assembly will be required before the unit can be attached to the customer's tractor. Make sure the intended tractor conforms to “Tractor Requirements” above. Read and understand this Operator’s Manual before assembling the cutter. An understanding of how the unit works will aid in the assembly and setup.

**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. Attach lifting hoist or other device to the tailwheel A-frame or another suitable location to keep deck secured in the vertical position while detaching it from the shipping crate.
2. Remove all loose hardware and components from the shipping crate before removing hardware securing the cutter deck to the shipping crate.
3. Remove hardware securing cutter deck to the shipping crate. Be sure to retain hardware for reuse in Assembly and Set-up.
4. Carefully lower deck to the ground.
   - If preferred, the front rubber deflector may be installed before lowering deck down to the ground.

**IMPORTANT:** Be sure to retain all uncrating hardware for Assembly and Set-up.

Hardware Torque Requirements
Refer to “Torque Values Chart for Common Bolt Sizes” on page 34 to determine the correct torque value when tightening hardware during assembly.
7. Insert properly sized linchpins (#18) in hitch pins (#20). (Customer to supply properly sized linchpins.)

8. RCR1272 tailwheel A-frame (#3) is shipped unattached. Attach A-frame as follows:
   a. Attach front end of A-frame (#3) to the deck as shown with 5/8"-11 x 1 3/4" GR5 bolts (#8). Do not install hex flange locknuts (#14) at this time.
   b. Attach back end of A-frame (#3) as shown to adjusting plate with 3/8"-16 x 1 1/4" GR5 carriage bolts (#10) and hex whiz nuts (#13). Tighten hex whiz nuts to the correct torque.

9. If RCR1248 or RCR1260, remove hex flange locknuts (#14) from bolts (#8). Do not remove bolts.

10. Attach rear braces (#5) inside of tailwheel main frame (#3) with 5/8"-11 x 1 3/4" GR5 bolts (#8) and secure with hex flange locknuts (#14). Draw locknuts (#14) up snug and then back off 1/4 turn.

11. Rotate A-frame/scrolling top hitch (#6 & #24) up and rotate left rear brace (#5) up as follows:

   IMPORTANT: See Detail A in Figure 1-2 on page 9 Floating top hitch (#24) must be installed with ears (#25) above rear brace bars (#5).

   a. Refer to Detail A: If attaching cutter to a 3-point Cat. I hitch, align holes A in rear braces (#5) with hole in floating top hitch (#24).
   b. Refer to Detail A: If tractor is too small to lift cutter high enough for transporting, align hole B in rear brace (#5) with hole in floating top hitch (#24).

12. Insert 3/4"-10 x 4" GR5 bolt (#9) into the left rear brace (#5), floating top hitch (#24), and right rear brace (#5).

13. Secure bolt with hex flange locknut (#12). Draw locknut (#12) up snug and then back off 1/4 turn.


NOTE: You may need to lift the cutter rear or remove bolts (#10) to assemble tail wheel (#2).

15. Insert tailwheel spindle (#2) in tailwheel A-frame (#3).

16. Install spacer (#1) on tailwheel spindle (#2).

17. Insert roll pin (#23) on spindle (#2) above spacer (#1).

NOTE: After assembly of hitch and tailwheel, push on top of A-frame assembly (#6). It should rotate backward and floating top link (#24) should rotate upward. If they are too stiff to rotate, loosen nut or nuts (#12) until top link rotates freely.
**Driveline Installation**

*Refer to Figure 1-3 & Figure 1-4:*

The cutter driveline is coupled to the tractor power take-off shaft with a push pin coupler and to the implement shaft with either a shear bolt or bolt on slip clutch for protection from shock loads. Always engage power take-off at low engine rpm to minimize start-up torque. **Drivelines with friction slip clutches must go through a “run-in” operation prior to initial use and after long periods of inactivity.** See “Clutch Run-In” on page 23 for detailed instructions on maintaining the slip clutch.

![Diagram of Driveline Installation](image)

**DANGER**

*To avoid serious injury or death:*

- Do not engage power take-off while hooking-up or unhooking the driveline, or while someone is standing near the driveline. A person’s body and/or clothing can become entangled in the driveline.
- All guards and shields must be installed and in good working condition while operating the implement.
- Do not use a power take-off adapter. The adapter will increase strain on the tractor’s power take-off shaft causing possible damage to shaft and driveline. It will also defeat the purpose of the tractor’s power take-off shield.

**WARNING**

*To avoid serious injury or death:*

- Always disengage power take-off, put tractor in park or set park brake, shut tractor engine off, remove ignition key, and wait for blades to come to a complete stop before dismounting tractor.
- Select a safe ground speed when transporting. Never travel at a speed which does not allow adequate control of steering and stopping, and never exceed 20 mph (32.2 km/h) with attached equipment. Rough terrain requires a slower speed.

**IMPORTANT:** An additional driveline may be required if implement is attached to more than one tractor or if a Quick Hitch is used.

The driveline must be lubricated before putting it into service. Refer to “Lubrication Points” on page 27.

The power take-off shaft and gearbox input shaft must be aligned and level with each other when checking driveline minimum length. A driveline that is too long can damage tractor and implement.
Section 1: Assembly & Set-up

Table of Contents

RCR1242, RCR1248, RCR1260 & RCR1272 Rotary Cutter 326-047M

11/6/18

Refer to Figure 1-5:

1. Unsnap side access covers (#4) from both sides of the gearbox shield. Save covers for reuse.
2. Remove bolt (#2) from end of driveline (#5).
3. Slide driveline (#5) onto gearbox input shaft until holes in driveline yoke aligns with hole in gearbox input shaft.
4. Insert bolt (#2) through driveline yoke and gearbox input shaft.
5. Secure bolt with removed nut (#3). Tighten hex nut to the correct torque.
6. Skip to step #8 is installing a slip clutch driveline.

NOTE: Snap ring (#1) is for extra security should driveline shear bolt (#2) break. Do not use snap ring with a slip clutch driveline.

7. If driveline (#5) has a shear bolt instead of a slip clutch, install snap ring (#1) onto the gearbox input shaft groove. Discard snap ring if driveline has a slip clutch.
8. Reinstall access covers (#4).
9. Raise driveline (#5) up and rotate driveline hook (#6) down.
10. Lower driveline (#5) until resting in driveline hook (#6).
11. Continue with “3-Point Hook-Up” on page 12.

Gearbox Vented Plug

Refer to Figure 1-6:

IMPORTANT: The gearbox is shipped with a solid plug on top to prevent oil loss during shipping and handling. The solid plug must be replaced with a vented plug (#1) before operating the implement.

A vented plug is shipped loose and packaged with the Operator’s Manual. Remove temporary solid plug from top of gearbox and replace with the vented plug (#1). See your nearest Land Pride dealer if vented plug is missing.
Section 1: Assembly & Set-up

3-Point Hook-Up
Refer to Figure 1-7:

DANGER
To avoid serious injury or death:
A crushing hazard exists while hooking-up and unhooking implement. Keep people and animals away while backing-up to implement or pulling away from implement. Do not operate hydraulic controls while a person or animal is directly behind the power machine or near the implement.

NOTE: Land Pride’s Quick Hitch can be attached to the tractor to provide quick and easy 3-point hook-up and detachment. See your nearest Land Pride dealer to purchase a Quick-Hitch.

1. Slowly back tractor up to Rotary Cutter while using tractor’s 3-point hydraulic control lever to align lower 3-point lift arms holes with cutter hitch pins (#1).
2. Engage tractor park brake, shut tractor engine off, and remove key before dismounting from tractor.
3. Slide lower 3-point lift arms onto cutter hitch pins (#1). Install linchpins (#2) through hitch pin holes to lock lower 3-point arms into position. Linchpins are supplied by customer.
5. Ensure tractor lower hitch arms are blocked to prevent excessive side movement.
6. Return to tractor and slowly raise and lower implement carefully to ensure drawbar, tires, and other equipment on the tractor do not make contact with cutter frame and driveline. Move or remove drawbar if needed.
7. Manually adjust one of the two lower 3-point lift arms up or down to level the Rotary Cutter from left to right. Final adjustments will be made later during “Deck Leveling & Cutting Height” on page 17.
8. The arm lift rods on your tractor’s 3-point lift arms should be adjusted to allow for lateral float. Please consult you tractor’s manual for adjusting instructions.
Driveline Hook-Up
Refer to Figure 1-7 on page 12:

⚠️ DANGER
To avoid serious injury or death:
- Tractor power take-off shaft shield, driveline shields, and gearbox shaft shields must be installed and in good working condition to avoid driveline entanglement and projectiles flying off of the driveline.
- Do not engage power take-off while hooking-up or unhooking the driveline, or while someone is standing near the driveline. A person's body and/or clothing can become entangled in the driveline.
- Do not use a power take-off adapter. The adapter will increase strain on the tractor’s power take-off shaft causing possible damage to shaft and driveline. It will also defeat the purpose of the tractor's power take-off shield.
- Make certain driveline yokes are securely fastened at each end. A loose yoke can work free allowing the driveline to rotate uncontrollably causing implement damage and bodily injury or death to anyone nearby.

⚠️ WARNING
To avoid serious injury or death:
- Always shut tractor down using “Tractor Shutdown Procedure” provided in this manual before dismounting tractor.
- Check driveline when lowering implement to make sure it does not interfere with the tractor drawbar. If needed, shut tractor off and move or remove drawbar to prevent driveline damage.

### IMPORTANT:
An additional driveline may be required if implement is attached to more than one tractor or if a Quick Hitch is used.

### IMPORTANT:
Drivelines with friction clutches must go through a “run-in” prior to initial use and after long periods of inactivity. For detailed instructions, see “Slip-Clutch Protected Driveline” on page 23.

### IMPORTANT:
Check driveline minimum collapsible length before completing “Driveline Hook-Up”. Structural damage to the tractor and implement can occur if this check is not made. Refer to “Check Driveline Collapsible Length” on page 14.

1. If driveline collapsible length has not been checked, go to “Check Driveline Collapsible Length” on page 14. Otherwise, continue with step 2 below.
2. Park tractor and implement on a level surface.
4. If tractor drawbar interferes with the driveline during hook-up, disconnect driveline and move drawbar forward, to the side, or remove.
5. Remove driveline (#5) from driveline support (#6). Driveline support is spring loaded and will rotate up against A-frame (#8).
6. Collapse driveline (#5) by pushing tractor end of driveline toward the cutter gearbox.
7. Push in on push pin (#7) and slide outer driveline universal joint over tractor power take-off shaft.
8. Release push pin (#7) and continue to slide universal joint over tractor power take-off shaft until push pin releases and pops up.
9. Pull on driveline yokes at the tractor and implement end to make sure they are secured to the tractor power take-off shaft and implement gearbox shaft.
10. The tractor’s lower 3-point arms should be adjusted for lateral float. Please consult your tractor’s manual.
11. Continue with “Check Driveline Interference” on page 15.
Check Driveline Collapsible Length

Refer to Figure 1-8:

1. With driveline attached only to the implement, remove outer driveline (tractor end) from inner driveline to separate the two profiles.

2. Park tractor and implement on a level surface.

3. Raise implement until gearbox input shaft is level with tractor power take-off shaft. Securely block implement at this height to keep unit from lowering.


5. Attach outer driveline to the tractor’s power take-off shaft. Refer to steps 5-9 under “Driveline Hook-Up” on page 13.

6. Hold inner and outer drivelines parallel to each other. If dimension “A” is greater than or equal to 1“, then skip to “Check Driveline Interference” on page 15. Otherwise continue with step 7.

IMPORTANT: A driveline that is too long can bottom out causing structural damage to the tractor and implement. Always check driveline minimum length during initial setup, when connecting to a different tractor, and when alternating between using a quick hitch and a standard 3-point hitch. More than one driveline may be required to fit all applications.

IMPORTANT: The power take-off shaft and gearbox input shaft must be aligned and level with each other when checking driveline minimum length. A driveline that is too long can damage tractor and implement.

Refer to Figure 1-9:

7. If dimension “A” was less than 1“, shorten driveline as follows:
   a. Measure 1” (“B1” dimension) back from outer driveline shield and make a mark at this location on the inner driveline shield.
   b. Measure 1” (“B2” dimension) back from the inner driveline shield and make a mark at this location on the outer driveline shield.

8. Remove outer driveline from the tractor power take-off shaft and inner driveline from the implement’s gearbox shaft.

9. Cut off non-yoke end of inner driveline as follows:
   a. Measure from end of inner shield to scribed mark (“X” dimension) and record.
   b. Cut off inner shield at the mark. Cut same amount off the inner shaft (“X1” dimension).

10. Cut off non-yoke end of outer driveline as follows:
    a. Measure from end of outer shield to scribed mark (“Y” dimension) and record.
    b. Cut off outer shield at the mark. Cut same amount off the outer shaft (“Y1” dimension).

11. Remove all burrs and cuttings.

12. Continue with “Check Driveline Interference” below.
Check Driveline Interference
Refer to Figure 1-10:

⚠️ WARNING
To avoid serious injury or death:
A rotating driveline must not exceed an angle of 25 degrees up or down, and never engage a driveline while at an angle exceeding 25 degrees up or down. The driveline can break and send projectiles.

1. Start tractor and raise implement slightly off the support blocks used to “Check Driveline Collapsible Length”. Drive forward until the implement is clear of the support blocks.

2. Slowly and carefully lower and raise the implement to ensure drawbar, tires, and other equipment on the tractor do not contact the implement's frame. If there is an interference:
   a. Back implement over the support blocks and lower it onto the blocks.
   b. Shut tractor down before dismounting. Refer to “Tractor Shutdown Procedure” on page 20
   c. Move or remove drawbar if it interferes with the implement and make any other necessary corrections.
   d. Repeat steps 1-2 to verify the implement does not interfere with the tractor.

3. Start tractor, raise implement fully up. Back implement over the support blocks. Do not lower implement onto the support blocks.


5. Check to make sure driveline does not exceed 25° above horizontal.

6. Start tractor, raise implement slightly, and drive forward enough to clear the support blocks.

7. Lower implement to ground and shut tractor down using “Tractor Shutdown Procedure” on page 20.
Replaceable Skid Shoes (Accessory)
For RCR1260 & RCR1272 Cutters
Refer to Figure 2-1:

⚠️ 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.

Replaceable skid shoes may be purchased for the RCR1260 and RCR1272 to extend the wear life of the cutter built in skids. See your nearest Land Pride dealer to order skid shoes.

<table>
<thead>
<tr>
<th>RCR1260 &amp; RCR1272 Skid Shoes</th>
<th>#</th>
<th>Part No.</th>
<th>Part Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKID SHOE KIT</td>
<td>326-120A</td>
<td></td>
<td>Consist 2 skid shoes, 6 plow bolts and 6 locknuts.</td>
</tr>
<tr>
<td>SKID SHOE</td>
<td>326-221D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLOW BOLT 3/8-16 x 1” GR5</td>
<td>802-603C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NUT HEX WHIZ 3/8-16 PLT</td>
<td>803-198C</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. Attach skid shoes (#1) to the cutter’s side panels with 3/8” plow bolts (#2) and 3/8” hex flange locknuts (#3) as shown in Figure 2-1. Tighten locknuts to the correct torque.

2. Once installed, check skid shoes and plow bolts for wear frequently and replace as needed.
Section 3: Adjustments

Deck Leveling & Cutting Height
There are 4 primary adjustments that should be made prior to actual field operations:

- Deck Leveling Left to Right
- Cutting Height Adjustment
- Center 3-Point Link Adjustment
- Tailwheel Height Adjustment

Proper adjustment of each of these items will provide for higher efficiency, improved cutting performance, and longer blade life. The following tools will be needed:

- Pliable tape measure
- Spirit or carpenters level
- Open end or hex end wrench or socket set
- Protective gloves

WARNING
To avoid serious injury or death:
Always disengage power take-off, put tractor in park or set park brake, shut tractor engine off, remove ignition key, and wait for blades to come to a complete stop before dismounting tractor.

Deck Leveling Left to Right

Figure 3-1:
1. Locate tractor with Rotary Cutter on a flat, level surface.
2. Use tractor’s hydraulic 3-point control lever to lower cutter until the tailwheel makes contact with the ground surface.
3. Place a level on the front of the cutter deck as shown in Figure 3-1. Manually adjust either one or both of the tractor’s lower 3-point arms to level the deck from left to right. Some tractors have only a single adjusting arm.

Cutting Height Adjustment

Figure 3-2:

WARNING
To avoid serious injury or death:
Avoid direct contact with cutter blades by wearing a pair of gloves. Cutter blades have sharp edges and burrs that can cause injuries.

IMPORTANT: The front blade tip should be lower than rear blade tip by approximately 1”. The cutter is subject to continuous material flow under the deck if the rear blade is at the same height or lower than the front blade causing horsepower loss, grass clumps, blade wear, and frequent blade sharpening.

1. Using tractor’s 3-point hydraulic control, raise or lower the 3-point arms until the front of the deck is slightly lower than the rear of the deck.
Section 3: Adjustments

2. The top center link typically is adjusted with the upper clevis pin vertically above lower hitch pins. as shown in Figure 3-3.

3. With gloves on, carefully rotate each blade tip to the position shown in Figure 3-2.

4. Measure distance from cutting tip of blade to ground surface. This distance is the cutting height.

5. If desired cutting height cannot be obtained by adjusting the lower 3-point arms, then readjust tailwheel height. See “Tailwheel Height Adjustment” on this page.

6. Repeat steps 1 to 5 until desired cutting height is achieved.

7. Set tractor’s 3-point hydraulic control stop at this height.

Center 3-Point Link Adjustment

Refer to Figure 3-3:

1. Lower cutter deck to the nominal cutting height.

2. Typically the center 3-point link is adjusted so that the upper 3-point clevis pin is straight above the lower 3-point hitch pins. This arrangement allows for optimum ground contour following performance.

3. Lock center link in this position once correct length is achieved. Adjustment on center 3-point link can be made depending on customer’s preference.

NOTE: Customer may adjust center 3-point link to his or her preference. Lengthening center 3-point link allows more movement while going over raised surfaces. Shortening the link allows more movement while crossing over ditches. Also, shortening center link allows the cutter to be carried higher while traveling. Never length center link to where the cutter is carried too low.

Tailwheel Height Adjustment

Refer to Figure 3-4:

The deck slope should be adjusted so that the cutting blades are slightly lower at the front of the cutter than at the back. If they are not, the tailwheel must be adjusted up or down until the deck slope is correct.

1. Make sure instructions for setting the “Cutting Height Adjustment” have been followed before continuing with adjusting tailwheel height below.

2. Use tractor’s 3-point hydraulic control to lift tailwheel off the ground.

3. Remove 3/8” carriage bolts (#1) and flange nuts (#2).

4. Adjust tailwheel as follows:
   • To lower blade height at the rear, raise tailwheel.
   • To raise blade height at the rear, lower tailwheel.

5. With tailwheel adjusted to the correct position, replace 3/8” carriage bolts (#1) and whiz nuts (#2). Draw whiz nuts up snug, do not tighten until after rechecking deck cutting height.

6. Recheck deck cutting height. Refer to instructions for adjusting the “Cutting Height Adjustment” on page 17.

7. After the deck cutting height and tailwheel height are adjusted correctly, tighten whiz nuts (#2) shown in Figure 3-4 below to the correct torque.
Operating Checklist

Hazard control and accident prevention are dependent upon the awareness, concern, prudence and proper training involved in the operation, transport, storage, and maintenance of the Rotary Cutter. Therefore, it is absolutely essential that no one operates the cutter unless they are age 16 or older and 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 8
- Section 2: Accessories, page 16
- Section 3: Adjustments, page 17
- Section 4: Operating Procedures, page 19
- Section 5: Maintenance & Lubrication, page 23

Perform the following inspections before using your Rotary Cutter.

<table>
<thead>
<tr>
<th>Check</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Make sure all guards and shields are in place. Refer to “Important Safety Information”.</td>
<td>1</td>
</tr>
<tr>
<td>Read &amp; follow hook-up &amp; preparation instructions. Refer to &quot;Section 1: Assembly &amp; Set-up&quot;.</td>
<td>12</td>
</tr>
<tr>
<td>Read and make all required adjustments. Refer to “Section 3: Adjustments”.</td>
<td>17</td>
</tr>
<tr>
<td>Lubricate cutter and driveline as needed. Refer to &quot;Lubrication Points&quot;.</td>
<td>27</td>
</tr>
<tr>
<td>Make sure all gearboxes are properly lubricated and that all oil plugs have been replaced properly. Refer to Gearbox lubrication.</td>
<td>28</td>
</tr>
<tr>
<td>Check cutter initially and periodically for loose bolts and pins. Refer to “Torque Values Chart”.</td>
<td>34</td>
</tr>
</tbody>
</table>

Inspect the tractor and cutter

Make the following inspections with cutter attached to a tractor, power take-off disengaged, and cutter blades stopped.

1. Park tractor and cutter on a level surface.
2. Disengage power take-off, place gear selector in park, set park brake, shut tractor off, and remove switch key. Make sure cutter blades have come to a complete stop before dismounting from tractor.
3. Inspect tractor safety equipment to make sure it is installed and in good working condition.
4. Inspect cutter safety equipment to make sure it is installed and in good working condition.
5. Check driveline to make certain it is securely connected to the tractor power take-off shaft and cutter gearbox shaft.

6. Check driveline guards to make certain they are in good condition and in place.
7. Carefully raise and lower implement to ensure that the drawbar, tires, and other equipment on the tractor do not contact cutter frame or driveline.
8. With cutter resting on solid supports, power take-off disengaged, and blade rotation completely stopped:
   - Check for and remove foreign objects wrapped around blade spindles.
   - Check for nicked, bent, broken, and worn cutting blades. Replace or sharpen blades as required.
   - Refer to “Cutter Blade Maintenance” on page 24.
9. Remove solid supports from under the deck.
10. Verify cutter is set at the correct cutting height. See “Deck Leveling & Cutting Height” on page 17.

The remaining inspections are made by engaging the power take-off to check for vibrations.

**WARNING**

To avoid serious injury or death:

Stop power take-off immediately if vibration continues after a few revolutions during start-up and anytime thereafter. Wait for all components to come to a complete stop before dismounting from tractor to check for probable causes. Make necessary repairs and adjustments before continuing.

**CAUTION**

To avoid minor or moderate injury:

Some tractors are equipped with two power take-off speeds. Do not exceed 540 rpm power take-off speed or equipment breakage may result.

11. Start tractor, set throttle to idle or slightly above idle, and slowly engage power take-off. Initial start-up vibration is normal and should stop after a few revolutions. Stop power take-off rotation immediately if vibration continues.
12. Once the cutter is running smoothly, increase tractor power take-off speed to 540 rpm. Stop power take-off rotation immediately if vibration occurs.
13. Investigate cause of vibration and make repairs before putting cutter back into service.
Safety Information

**DANGER**

To avoid serious injury or death:

- Never place hands or feet under the deck or attempt to make adjustments to the cutter with power take-off engaged. Cutter blades rotating at high speeds cannot be seen and are located close to the deck sides. Body extremities will be cut off instantly.

- Do not engage power take-off while hooking-up or unhooking the driveline, or while someone is standing near the driveline. A person’s body and/or clothing can become entangled in the driveline.

- Do not use a power take-off adapter. The adapter will increase strain on the tractor’s power take-off shaft causing possible damage to shaft and driveline. It will also defeat the purpose of the tractor’s power take-off shield.

- Rotary Cutters have the ability to discharge objects at high speeds; therefore, the use of front and rear safety guards is mandatory when cutting along roadways and in areas where people may be present. Stop blade rotation if a bystander is in or around the area.

- All guards and shields must be installed and in good working condition while operating the implement.

- Tractor power take-off shaft shield, driveline shields, and gearbox shaft shields must be installed and in good working condition to avoid driveline entanglement and projectiles flying off of the driveline.

- Always disconnect driveline from power take-off shaft before servicing underside of cutter. The tractor can be started with power take-off engaged.

- Do not use cutter as a fan. Cutting blades are not properly designed or guarded for this use.

**WARNING**

To avoid serious injury or death:

- Allow only persons to operate this implement who have fully read and comprehended this manual, who have been properly trained in the safe operation of this implement, and who are age 16 or older. Serious injury or death can result from the inability to read, understand, and follow instructions provided in this manual.

- Do not operate and/or travel across inclines where tractor and/or implement can roll over. Consult your tractor’s manual for acceptable inclines the tractor is capable of traveling across.

- Never carry riders on the implement or power machine. Riders can obstruct the operator’s view, interfere with control of the equipment, be pinned by moving components, become entangled in rotating components, be struck by objects, be thrown or fall from the equipment, etc.

- A rotating driveline must not exceed an angle of 25 degrees up or down, and never engage a driveline while at an angle exceeding 25 degrees up or down. The driveline can break and send projectiles.

- Do not operate a broken or bent driveline. Such a driveline will break apart while rotating at high speeds and can cause serious injury or death. Always remove the implement from use until the damaged driveline can be repaired or replaced.

- Always shut tractor down using “Tractor Shutdown Procedure” provided in this manual before dismounting tractor.

- Always disengage power take-off before lifting cutter fully up. Never operate cutter in the raised position. The cutter can discharge objects at high speeds.

- Do not use implement as a man lift or work platform. It is not properly designed or guarded for this use.

- Perform scheduled maintenance. Check for loose hardware, missing parts, broken parts, structural cracks, and excessive wear. Make repairs before putting implement back into service. Serious breakdowns can result in injury or death.

- Do not use implement to lift objects; to pull objects such as fence posts, stumps, etc; or to push objects. The unit is not designed or guarded for these uses.

- Select a safe ground speed when transporting. Never travel at a speed which does not allow adequate control of steering and stopping, and never exceed 20 mph (32.2 km/h) with attached equipment. Rough terrain requires a slower speed.

- Buildup of debris around moving components and gearboxes is a fire hazard. Keep rotating parts and gearboxes free from debris to avoid serious injury and property damage.

- Improper oil level can cause bearing failure and be a fire hazard. Maintain proper gearbox oil level to avoid serious injury and property damage.

- 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.

Tractor Shutdown Procedure

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

1. Reduce engine speed and disengage power take-off if engaged.

2. Park tractor and implement on level, solid ground.

3. Lower implement to ground or onto non-concrete support blocks.

4. Put tractor in park or set park brake, turn off engine, and remove switch key to prevent unauthorized starting.

5. Relieve all hydraulic pressure to auxiliary hydraulic lines.

6. Wait for all components to come to a complete stop before leaving the operator’s seat.

7. Use steps, grab-handles and anti-slip surfaces when stepping on and off the tractor.
Transporting

**WARNING**
To avoid serious injury or death:

- When traveling on roadways, travel in such a way that other vehicles may pass you safely. Use LED 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.
- Always disengage power take-off and wait for driveline to stop rotating before raising implement to transport position.

1. Make sure driveline does not contact tractor or cutter when raising cutter to transport position.
2. Reduce tractor ground speed when turning and leave enough clearance so cutter does not contact obstacles such as buildings, trees, or fences.
3. Limit transport speed to 20 mph. Transport only with a farm tractor of sufficient size and horsepower.
4. When traveling on roadways, transport in such a way that faster moving vehicles may pass you safely.
5. Shift tractor to a lower gear when traveling over rough or hilly terrain.

**Blade Engagement & Disengagement**

Cutter blades can lock-up against each other during start-up and shut-down especially if the tractor’s power take-off engagement is “INSTANT ON” and “INSTANT OFF”. Following Blade Engagement and Blade Disengagement instructions below will help eliminate blade lock up.

**Blade Engagement**

1. Increase throttle to a speed just enough to get the cutter started without stalling tractor while slowly engaging drivelines. Use tractor’s power take-off soft start option if available.
2. Ensure that all power shafts are rotating and that the cutter is not vibrating excessively after ramping up to power take-off speed for at least 3 seconds. If excessive vibration continues after 3 seconds at full power take-off speed, disengage power take-off immediately, shut down tractor, and remove switch key.
3. Check blades for a lock-up situation. Block cutter deck up before working under the unit. Unlock blades, remove support blocks, and repeat “Blade Engagement” instructions.

**Blade Disengagement**

1. Slowly decrease throttle speed until engine idle speed is reached and then disengage power take-off.
2. Engage tractor park brake, shut tractor engine off and remove switch key. Stay on tractor until blades have come to a complete stop.

Field Operation

**DANGER**
To avoid serious injury or death:

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.

**IMPORTANT:** Maintain correct power take-off speed. Loss of power take-off speed will allow blades to swing back resulting in ragged, uneven cutting.

**IMPORTANT:** Your cutter is equipped with free swinging cutting blades to reduce shock loads when striking obstacles. However, it is best to avoid striking obstacles to extend cutter and blade life.

**NOTE:** Do not cut in wet conditions. Wet material will build up on the deck underside creating poor discharge, high wear, and additional horsepower.

**NOTE:** Periodically disengage power take-off, turn off tractor, remove key & check for objects wrapped around blade spindle. Block deck up before removing objects.

1. Thoroughly inspect area to be cut for debris and unforeseen objects. Mark any potential hazards.
2. Follow “Blade Engagement” instructions on this page to start cutter blades turning.
3. Optimum ground speed depends on density of material being cut, horsepower rating of tractor, and terrain. Always operate tractor at cutter’s full rated power take-off speed in a gear range that allows the cutter to make a smooth cut without lugging tractor down, usually between 2 to 5 mph.
4. Stop traveling and disengage power take-off after the first 50 feet of cutting. Check cutter levelness and cutting height to make certain it is adjusted properly.
5. Do not engage power take-off with 3-point cutter fully raised.
6. Periodically disengage power take-off, shut down tractor, remove key, and check for foreign objects wrapped around the blade spindle. Block cutter deck up before removing objects.
7. Frequently inspect cutter for loose bolts and nuts. Tighten all loose hardware as indicated in the “Torque Values Chart” on page 34.
8. For additional information, see “General Operating Instructions” on page 22.
Unhook Rotary Cutter
Unhook Rotary Cutter from tractor as follows:
1. See “Long-Term Storage” on page 26 if cutter is to be stored for a long time.
2. Park on a level solid surface and lower deck to ground level or onto support blocks.
3. Engage tractor park brake, shut tractor engine off, and remove switch key. Stay on tractor until blades have come to a complete stop.
4. Disconnect driveline and safety chain from tractor.
5. Unhook 3-point hitch from tractor and drive tractor forward several feet.
6. Reinstall hitch pins, linchpins, and hair pin cotters in cutter hitch for safe keeping.
7. Collapse driveline by pushing tractor end of driveline towards cutter gearbox.
8. Support collapsed driveline off the ground by rotating driveline hook holder under driveline and letting driveline rest in J-hook for storage.

General Operating Instructions
It is important that you familiarized yourself with the Operator’s Manual, completed Operators Checklist, properly attached cutter to your tractor, made leveling adjustments, and preset your cutting height before beginning a running operational safety check on your Land Pride Rotary Cutter.

The running operational safety check may now be done. It is important that at any time during this safety check you detect a malfunction in either the cutter or tractor that you immediately shut the tractor off, remove it’s key, and make necessary repairs and/or adjustments before continuing on.

Make sure before starting the tractor that the park brake is engaged, the power take-off is disengaged, and the cutter is resting on the ground. Start the tractor and set the engine throttle speed at a low idle. Raise the cutter with the tractor’s rear hydraulic lift control lever to transport position making sure that the power take-off shaft does not bind and does not contact the cutter frame. Lower the cutter to the ground and at a low engine speed engage the power take-off. If everything is running smoothly at a low idle, slowly raise the cutter to transport height checking for bind or chatter in the driveline. Lower the cutter to the ground and increase the tractor’s engine rpm until it reaches the cutter full power take-off operating speed of 540 rpm. If everything is still running smoothly, once more raise the cutter to transport height to check for driveline bind or chatter. Lower the cutter to the ground, return the engine to a low idle, and disengage the power take-off. Position the adjustable stops on the tractor’s 3-point lift lever so the cutter can be consistently returned to the same cutting height and transport height.

You should now be ready to transport to your cutting site at a safe ground speed. On roadways transport in such a manner that faster moving vehicles can easily see you and pass you safely. Reduce your speed when traveling over rough and hilly terrain. Avoid quick or sharp steering corrections. Take extra care to ensure that the mower doesn’t come into contact with obstacles such as trees, buildings, or fences. Use accessory lights and appropriate reflective devices to provide adequate warning to pedestrians and other vehicle operators. When traveling on public roads and in the dark of night. Comply with all local, state, and federal laws.

It is important that you inspect the area where you will be cutting and clear it of safety hazards and foreign objects either before or after you arrive at the cutting site. Never assume the area is clear. Cut only in areas you are familiar with and are free of debris and unseen 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 necessary repairs to the cutter before resuming operation. It really pays to inspect a new area and to develop a safe plan before cutting.

You will need to maintain 540 rpm power take-off speed and 2 to 5 mph ground speed to produce a clean cut. Make a tractor gear and range selection that will enable you to maintain these speed combinations. Generally the quality of cut is better at lower ground speeds. Dense ground cover will create the need to slow down even more. In certain conditions tractor tires will roll grass down resulting in an uneven cut when grass fails to rebound. Should this happen, you may try reversing the direction of cut and/or double cut to achieve the desired finish. Avoid very low cutting heights especially on extremely uneven terrain. Always cut downward on slopes and avoid crossing the face of steep slopes. Avoid sharp drops and cross diagonally through dips to prevent hang up tractor and cutter. Slow down in turns. Remember to look back often.

Now that you’re prepared and well briefed you may begin cutting. Begin by doing the following:

- Reducing tractor’s engine rpm.
- Make sure cutter is on the ground in cutting position and then engage power take-off.
- Raise engine rpm to the appropriate 540 power take-off speed and begin cutting.

Make wide turns when possible. Three-point hitch and optional Quick Hitch models can be lifted into transport position to make tight turns and to reverse direction. Try increasing or decreasing ground speed to determine the effect on quality of cut. With a little practice you will be pleased with what you and your Land Pride Rotary Cutter can do.

Whether you are done mowing, need to take a break, or just need to make a few adjustments to the cutter, remember to always shut the tractor down using “Tractor Shutdown Procedure” on page 20.

Section 4: Operating Procedures
Maintenance

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

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

⚠️ WARNING
To avoid serious injury or death:
- Do not alter implement or replace parts on the implement 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 implement. 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 to avoid serious injury and property damage.
- Improper oil level can cause bearing failure and be a fire hazard. Maintain proper gearbox oil level to avoid serious injury and property damage.

Slip-Clutch Protected Driveline

⚠️ WARNING
To avoid serious injury or death:
Always shut tractor down using “Tractor Shutdown Procedure” provided in this manual before dismounting tractor.

Cutter drive components are protected from shock loads by either a two plate friction clutch or a shear bolt.

The shearbolt is designed to shear off when the blade impacts objects that the cutter is not designed to cut through. Avoid shear bolt failure by engaging the power take-off slowly at low engine rpm. See your Land Pride dealer when replacing shear bolts. Using higher grade shear bolt may result in driveline, gearbox, and/or tractor power take-off damage.

<table>
<thead>
<tr>
<th>Shear Bolt, Nut &amp; Jam Nut Part Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part No.</td>
</tr>
<tr>
<td>-----------</td>
</tr>
<tr>
<td>802-264C</td>
</tr>
<tr>
<td>803-020C</td>
</tr>
<tr>
<td>803-036C</td>
</tr>
</tbody>
</table>

Clutch Run-In

The clutch must be capable of slippage during operation to protect gearbox, driveline, and other drive train parts. Friction clutches should be “run-in” prior to initial operation and after long periods of inactivity. To prevent driveline and gearbox damage, repeat clutch “run-in” at the beginning of each season and when moisture and/or condensation seizes the inner friction plates.

Refer to Figure 5-1:
1. Using a pencil or other marker scribe a line across the exposed edges of the clutch plates and friction disks.
2. Carefully loosen each of the 8 spring retainer nuts by exactly 2 revolutions. It will be necessary to hold the hex end of the retainer bolt in order to count the exact number of revolutions.
3. Start the tractor and engage the driveline drive for 2-3 seconds to permit slippage of the clutch surfaces. Disengage the driveline, then re-engage a second time for 2-3 seconds. Disengage driveline, shut off tractor, and remove key. Wait for all components to stop before dismounting from tractor.
4. Inspect the clutch and ensure that the scribed markings made on the clutch plates have changed position. Slippage has not occurred if any two marks on the friction disk and plate are still aligned. A clutch that has not slipped must be disassembled to separate the friction disk plates. See “Clutch Disassembly” to disassemble clutch.
5. Tighten each of the 8 spring retainer nuts on the clutch housing exactly 2 revolutions to restore the clutch to the original setting pressure.
6. The clutch should be checked during the first hour of operation and periodically each week. An additional set of scribe marks can be added to check for slippage. See “Clutch Assembly” to adjust for proper spring length.
Clutch Disassembly

If the clutch run-in procedure, (See “Clutch Run-In” on page 23), indicated that one or more of the friction disks did not slip, the clutch must be disassembled to separate the friction discs.

**IMPORTANT: Refer to Figure 5-3. Be Sure to measure and record length (“A”) of each clutch spring before disassembling clutch.**

Refer to Figure 5-2:
See IMPORTANT NOTE above before disassembling clutch. After measuring and recording each spring length, remove spring retainer nuts (#1), springs (#2), and bolts (#3). Each friction disc (#4) must then be separated from the metal surface adjacent to it.

Inspection

Inspect all parts for excessive wear and condition. Clean all parts that do not require replacement. The original friction disk thickness is 1/8" and should be replaced if the thickness falls below 3/32". If the clutch have been slipped to the point of “smoking”, the friction disks may be damaged and should be replaced. Heat build-up may also affect the yoke joints.

Clutch Assembly

Refer to Figure 5-2:
Reassemble each friction disk (#4) next to the metal plate it was separated from. Make certain all bushing are replaced in the same location as when removed. Install bolts (#3) through end plates and intermediate plates as shown. Place springs (#2) over the bolts and secure with nuts (#1).

Refer to Figure 5-3:
Progressively tighten each spring retainer bolt until correct spring height (“A” dimension) is reached.

**A = Measured length of each spring before disassembling slip clutch.**

**Use 1 3/32” for “A” dimension if measurements were not taken.**

Cutter Blade Maintenance

⚠️ **DANGER**

To avoid serious injury or death:
- Always disconnect driveline from power take-off shaft before servicing underside of cutter. The tractor can be started with power take-off engaged.
- 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 hydraulics is off.

⚠️ **WARNING**

To avoid serious injury or death:
- Do not operate cutter with blades that are out-of-balance, bent, excessively worn, excessively nicked, or with blade bolts that are excessively worn. Such blades can break loose at high speeds.
- 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 new Land Pride blades to assure safety.

**IMPORTANT: Only replace cutting blades in pairs with genuine OEM blades. Replacing single blades can result in an out-of-balance condition that will 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.
Remove cutting blades and sharpen or replace as follows:

1. Place tractor gear selector in park and/or set brakes, shut engine off, and remove ignition key.
2. Disconnect main driveline from tractor power take-off and secure cutter deck in the up position with solid supports before servicing underside of cutter.

Refer to Figure 5-4 on page 25:
3. Remove access cover (#5).
4. Rotate blade bolt (#1) until in alignment with access hole (A).
5. Unscrew locknut (#3) to remove cutting blade (#6). 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” 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. difference. Unbalanced blades will cause excessive vibration which can damage gearbox bearings and create structural cracks.

Refer to Figure 5-5 on page 25:
7. Carefully check cutting edges of blades in relation to blade carrier rotation to ensure correct blade placement. Blade Rotation is counterclockwise with cutting edge leading. Airfoil (lift) must be oriented towards the top of the deck.

Refer to Figure 5-4 on page 25:

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.

IMPORTANT: Examine blade bolts (#1) and flat washers (#2) for excessive wear and replace if worn.

8. Insert blade bolt (#1) through blade (#6), dish pan (#4), and flat washer (#2). Secure blade with a new locknut (#3) and torque to 450 ft-lbs.
9. Replace access cover (#5).
10. If replacing dishpan (#4), nut (#7) on gearbox output shaft should be torqued to 450 ft-lbs. minimum and secured with cotter pin (#8) with both legs bent opposite directions around the nut.

Land Pride Rotary Cutter Blade Parts

<table>
<thead>
<tr>
<th>Item</th>
<th>Part No.</th>
<th>Part Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>802-920C</td>
<td>BLD BOLT 1 1/8-12 x 3 1/2” with 3/16” KEY</td>
</tr>
<tr>
<td>2</td>
<td>804-147C</td>
<td>WASHER FLAT 1 1/4 SAE PLAIN</td>
</tr>
<tr>
<td>3</td>
<td>803-170C</td>
<td>NUT HEX TOP LOCK 1 1/8-12 PLT.</td>
</tr>
<tr>
<td>4</td>
<td>326-367H</td>
<td>DISHPAN 15 1/2”, RCR12 SERIES</td>
</tr>
<tr>
<td>5</td>
<td>840-273C</td>
<td>PLUG LP 3” ID RUBBER</td>
</tr>
<tr>
<td>6</td>
<td>820-065C</td>
<td>48” CUTTER BLADE 1/2 x 3 x 18 3/4 CCW</td>
</tr>
<tr>
<td>6</td>
<td>820-198C</td>
<td>60” CUTTER BLADE 1/2 x 3” x 25” CCW</td>
</tr>
<tr>
<td>6</td>
<td>820-199C</td>
<td>72” CUTTER BLADE 1/2” x 3 x 31” CCW</td>
</tr>
<tr>
<td>7</td>
<td>803-095C</td>
<td>NUT HEX SLOTTED 1-14</td>
</tr>
<tr>
<td>8</td>
<td>805-017C</td>
<td>PIN COTTER 3/16 X 1 3/4 PLT</td>
</tr>
<tr>
<td>9</td>
<td>804-070C</td>
<td>FLAT WASHER 1 SPECIAL</td>
</tr>
</tbody>
</table>

Cutter Blade Assembly
Figure 5-4

Counterclockwise Blade Rotation
Figure 5-5
Long-Term Storage
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 to ensure the unit is ready for field use the next time you hook-up to it.

⚠️ DANGER
To avoid serious injury or death:
- Always disconnect driveline from power take-off shaft before servicing drivetrain and cutter blades. The power take-off can be engaged if tractor is started.
- 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 hydraulics is off.

1. Clean off any dirt and grease that may have accumulated on the cutter and moving parts. Scrape off compacted dirt from the bottom of deck and then wash surface thoroughly with a garden hose. A coating of oil may also be applied to the lower deck area to minimize oxidation.
2. See “Cutter Blade Maintenance” on page 24. Check blades and blade bolts for wear and replace if needed.
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. Ask your dealer for Land Pride aerosol touch-up paint. Paint is also available in touch-up bottles with brush, quarts, and gallon sizes by adding TU, QT, or GL to the end of the aerosol part number.
5. Replace all damaged or missing decals.
6. Be certain to purge gauge wheel spindle tube with grease to keep moisture out. Lubricate all other wear surfaces as noted under “Lubrication Points” on page 27.
7. Store cutter on a level surface in a clean, dry place. Inside storage will reduce maintenance and make for a longer cutter life.
8. Follow all unhooking instructions on page 22 when disconnecting tractor from cutter.

Ordering Replacement Parts
Land Pride offers equipment in factory standard Beige with black highlights. This implement is also available in Orange.

When ordering an optional color, the suffix number corresponding to the color must be added at the end of the part number. Parts ordered without the suffix number will be supplied in factory standard colors.

<table>
<thead>
<tr>
<th>Suffix</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>82</td>
<td>Orange</td>
</tr>
<tr>
<td>85</td>
<td>Black</td>
</tr>
</tbody>
</table>

For example, if you are ordering a replacement part with part number 555-555C and the existing part is orange, then add the suffix 82 to the end of the number to make the part number read 555-555C82.
Section 5: Maintenance & Lubrication

Lubrication Points

Gauge Wheel Spindle Tube

**IMPORTANT:** See step 6 under “Long-Term Storage” on page 26 when parking unit for an extended period.

Type of Lubrication: Multi-purpose Grease
Quantity = Until grease purges from spindle tube.

Gauge Wheel Hub

The gauge wheel hub is equipped with a relief hole located directly opposite the grease fitting. The relief hole releases pressure from inside the hub casting when it is greased. The hub should be greased until grease purges from the relief hole.

Type of Lubrication: Multi-purpose Grease
Quantity = Until grease purges from the relief hole.
Section 5: Maintenance & Lubrication

Gearbox

NOTE: Do not overfill! Cutter should be level when checking oil. Oil expands when hot, therefore, always check oil level when cold.

Remove rear oil plug (#2). If oil is below bottom of plug hole, add recommended gear lube through top vented plug hole until oil flows out of rear plug hole. Reinstall and tighten rear oil plug (#2) and top vented plug (#1).

Type of Lubrication: 80-90W EP Gear Lube

Quantity = Fill until oil begins to flow out rear plug hole in gearbox.

NOTE: Use a suction or siphon pump to drain gearboxes of oil when there is not an oil drain plug.
Section 5: Maintenance & Lubrication

### Driveline U-Joints

- **Type of Lubrication:** Multi-purpose Grease
- **Quantity:** 6 pumps

### Driveline Shield Bearings

- **Type of Lubrication:** Multi-purpose Grease
- **Quantity:** 6 pumps

### Driveline Profiles

- **Quantity:** Clean & coat the inner tube of the driveline with a light film of Multi-purpose Grease and then reassemble.
### RCR12 Series

#### Specifications & Capacities

<table>
<thead>
<tr>
<th>Model Numbers</th>
<th>RCR1242</th>
<th>RCR1248</th>
<th>RCR1260</th>
<th>RCR1272</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight (With front &amp; rear guard, shear bolt driveline &amp; laminated tire)</td>
<td>383 lbs. (173.7 kg)</td>
<td>400 lbs. (181.4 kg)</td>
<td>478 lbs. (216.8 kg)</td>
<td>564 lbs. (255.8 kg)</td>
</tr>
<tr>
<td>Hitch</td>
<td>Category I (Quick hitch ready)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cutting Width</td>
<td>42&quot; (1.07 m)</td>
<td>48&quot; (1.22 m)</td>
<td>60&quot; (1.52 m)</td>
<td>72&quot; (1.83 m)</td>
</tr>
<tr>
<td>Overall Width</td>
<td>45 1/4&quot; (1.15 m)</td>
<td>53 5/8&quot; (1.36 m)</td>
<td>64 1/4&quot; (1.63 m)</td>
<td>76 1/2&quot; (1.94 m)</td>
</tr>
<tr>
<td>Overall Length (Including Tailwheel)</td>
<td>83&quot; (2.11 m)</td>
<td>89 1/8&quot; (2.26 m)</td>
<td>97 3/4&quot; (2.48 m)</td>
<td>110&quot; (2.79 m)</td>
</tr>
<tr>
<td>Deck Height</td>
<td>7 1/4&quot; (18.4 cm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cutting Height</td>
<td>1 1/4&quot; - 10&quot; (3.2 cm - 25.4 cm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cutting Capacity</td>
<td>Grass, weeds &amp; light brush</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recommended Tractor Horsepower</td>
<td>18-40 hp (13.4-29.8 kW)</td>
<td>20-60 hp (14.9-44.7 kW)</td>
<td>25-60 hp (18.6-44.7 kW)</td>
<td></td>
</tr>
<tr>
<td>Power Take-Off Speed</td>
<td>540 rpm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gearbox Rating Horsepower</td>
<td>60 hp (44.7 kW)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gearbox (Speed up beveled gears)</td>
<td>1:1.93 Speed-up Cast iron housing</td>
<td>1:1.47 Speed-up Cast iron housing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gearbox Lubrication &amp; Capacity</td>
<td>1.1 Pint (0.52 L) of gear lube 80-90W EP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deck Construction</td>
<td>1 Piece reinforced deck</td>
<td>2 Piece reinforced deck</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deck Material Thickness</td>
<td>12 Gauge (2.7 mm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skids</td>
<td>12 Gauge (2.7 mm) (Formed in deck)</td>
<td>1/4&quot; (6.35 mm) (Welded on deck)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skid Shoes</td>
<td>Not Available</td>
<td>Bolt-on replaceable skid shoes (Sold separately through parts department only)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stump Jumper</td>
<td>Round Pan 10 ga x 24&quot; (61.0 cm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blades (2)</td>
<td>1/2&quot; x 3&quot; (13 mm x 76 mm) Heat treated alloy steel Free-swinging blades</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blade Bolts</td>
<td>Keyed with harden flat washer and locknut</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blade Tip Speed</td>
<td>11,417 fpm (58.0 mps)</td>
<td>13,256 fpm (67.3 mps)</td>
<td>16,536 fpm (84.0 mps)</td>
<td>15,033 fpm (76.4 mps)</td>
</tr>
<tr>
<td>Driveline</td>
<td>ASAE Category 3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Driveline Protection Options</td>
<td>1/2&quot; (13 mm) Center shear bolt protection or center bolt 2 plate slip clutch</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tailwheel</td>
<td>4&quot; x 8&quot; Laminated tire and yoke</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Safety Guards</td>
<td>Rubber (standard front and rear)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
RCR1245 = 83" (2.11 m)
RCR1248 = 89 1/8" (2.26 m)
RCR1260 = 97 3/4" (2.48 m)
RCR1272 = 110" (2.79 m)

RCR1245 = 45 1/4" (1.15 m)
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RCR1260 = 64 1/4" (1.63 m)
RCR1272 = 76 1/2" (1.94 m)

RCR1242 = 45 1/8" (1.15 m)
RCR1248 = 40 3/4" (1.04 m)
RCR1260 = 44 1/4" (1.12 m)
RCR1272 = 44 1/8" (1.12 m)

15 7/8" (40.3 cm)
9" (22.9 cm) SHOWN
## RCR12 Series

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surpassed rugged industry standards</td>
<td>All Land Pride cutters have been designed and tested and meet rigorous voluntary testing procedures specified by ANSI.</td>
</tr>
<tr>
<td>Tractor Horsepower range</td>
<td>18 - 60 horsepower</td>
</tr>
<tr>
<td>3 Year gearbox warranty</td>
<td>Shows our confidence in the gearbox integrity.</td>
</tr>
<tr>
<td>Cat. 3 driveline with shear-bolt</td>
<td>Shear bolt offers maximum driveline protection.</td>
</tr>
<tr>
<td>Cat. 3 driveline with 2-plate slip-clutch</td>
<td>Slip-clutch driveline offers convenience for continual work.</td>
</tr>
<tr>
<td>Floating top link</td>
<td>Provides for easy hook-up. Permits deck to follow the terrain for an even cut. Two hole position to allow greater lift leverage for smaller tractors.</td>
</tr>
<tr>
<td>Round back design</td>
<td>Helps discharge grass better than enclosed or partially enclosed cutters.</td>
</tr>
<tr>
<td>1 1/4&quot; - 10&quot; Cutting Height</td>
<td>Cutting height for wide range of cutting conditions.</td>
</tr>
<tr>
<td>Skid shoes (Accessory) RCR1260 &amp; RCR1272 only</td>
<td>Provides sidewall reinforcement and helps protect bottom of sidewall.</td>
</tr>
<tr>
<td>1/2&quot; x 3&quot; Heat-treated free swinging blades</td>
<td>Free swinging protects from obstructions. Heat-treated offers longer life.</td>
</tr>
<tr>
<td>Splined blade bar hub</td>
<td>Allows for tight positive fit of stump jumper and blade bar to gearbox output shaft.</td>
</tr>
<tr>
<td>10 Gauge stump jumper</td>
<td>Allows cutter to slide over obstructions protecting the gearbox output shaft.</td>
</tr>
<tr>
<td>High blade tip speed</td>
<td>Ensures clean cut.</td>
</tr>
<tr>
<td>Laminated tailwheel</td>
<td>Laminated material is long lasting in rough conditions and can't go flat.</td>
</tr>
<tr>
<td>Heavy-duty spindle on tailwheel</td>
<td>1 1/4&quot; spindle gives the strength to protect tailwheel assembly.</td>
</tr>
<tr>
<td>Rubber guarding</td>
<td>Protect against flying debris.</td>
</tr>
<tr>
<td>Metal Guarding</td>
<td>Protects against flying debris.</td>
</tr>
</tbody>
</table>
## Section 8: Troubleshooting

### Table of Contents

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil seal leaking</td>
<td>Gearbox overfilled</td>
<td>Drain to side plug hole</td>
</tr>
<tr>
<td></td>
<td>Seals damaged</td>
<td>Replace seals</td>
</tr>
<tr>
<td></td>
<td>Grass or wire wrapped on shaft in seal area</td>
<td>check seal areas daily</td>
</tr>
<tr>
<td>Driveline yoke or cross failing</td>
<td>Shock load</td>
<td>Avoid hitting solid objects</td>
</tr>
<tr>
<td></td>
<td>Needs lubrication</td>
<td>Lubricate every 8 hours</td>
</tr>
<tr>
<td>Driveline clutch is slipping</td>
<td>Scalping the ground</td>
<td>Raise cutting height</td>
</tr>
<tr>
<td></td>
<td>Cutting too fast</td>
<td>Reduce travel speed</td>
</tr>
<tr>
<td></td>
<td>power take-off being engaged too fast at high engine rpm</td>
<td>Slowly engage power take-off at low engine rpm</td>
</tr>
<tr>
<td></td>
<td>Cutting over solid objects</td>
<td>Avoid solid objects</td>
</tr>
<tr>
<td></td>
<td>Clutch spring not set correctly</td>
<td>Check dimension for spring setting on clutch</td>
</tr>
<tr>
<td>Bent Driveline (NOTE: driveline should be repaired or replaced if bent)</td>
<td>Contacting frame</td>
<td>Reduce lift height in transport position</td>
</tr>
<tr>
<td></td>
<td>Contacting drawbar</td>
<td>Reposition drawbar</td>
</tr>
<tr>
<td></td>
<td>Bottoming out</td>
<td>Shorten driveline</td>
</tr>
<tr>
<td>Driveline telescoping tube failing</td>
<td>Needs lubrication</td>
<td>Lubricate every 20 hours</td>
</tr>
<tr>
<td></td>
<td>Shock load</td>
<td>Avoid hitting solid objects</td>
</tr>
<tr>
<td>Driveline telescoping tube wearing</td>
<td>Needs lubrication</td>
<td>Lubricate every 20 hours</td>
</tr>
<tr>
<td>Blades wearing excessively</td>
<td>Cutting on sandy ground</td>
<td>Raise cutting height</td>
</tr>
<tr>
<td></td>
<td>Contacting ground frequently</td>
<td>Raise cutting height</td>
</tr>
<tr>
<td>Blades breaking</td>
<td>Hitting solid objects</td>
<td>Avoid hitting solid objects</td>
</tr>
<tr>
<td>Blades coming loose</td>
<td>Blades not tightened properly</td>
<td>Tighten blade hardware (refer to “Cutter Blade Maintenance” on page 24</td>
</tr>
<tr>
<td></td>
<td>Not using new nut when replacing blades</td>
<td>Use new nuts</td>
</tr>
<tr>
<td>Blade carrier becomes loose</td>
<td>Running loose in the past</td>
<td>Replace gearbox output shaft and blade carrier</td>
</tr>
<tr>
<td></td>
<td>Blade carrier hardware not tight enough</td>
<td>Tighten to specified torque</td>
</tr>
<tr>
<td>Blade bolt holes worn</td>
<td>Blade hardware running loose</td>
<td>Replace blades, blade bolts, and nuts if worn</td>
</tr>
<tr>
<td>Blade carrier bent</td>
<td>Hitting solid objects</td>
<td>Avoid hitting solid objects and replace blade carrier</td>
</tr>
<tr>
<td>Excessive side skid wear</td>
<td>Cutting height not level</td>
<td>Adjust cutter height</td>
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<tr>
<td></td>
<td>Soil abrasive</td>
<td>Adjust cutter height</td>
</tr>
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<td>Cutting too low</td>
<td>Adjust cutter height</td>
</tr>
<tr>
<td>Tail wheel support failing</td>
<td>Lowering too fast</td>
<td>Adjust rate of drop</td>
</tr>
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<td>Hitting objects when turning</td>
<td>Reduce speed on turns</td>
</tr>
<tr>
<td>Excessive vibration</td>
<td>Driveline bent</td>
<td>Replace driveline</td>
</tr>
<tr>
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<td>Blades loose</td>
<td>Tighten blade bolts</td>
</tr>
<tr>
<td></td>
<td>Blade carrier bent</td>
<td>Replace blade carrier</td>
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<tr>
<td></td>
<td>Blade broken</td>
<td>Replace blade</td>
</tr>
<tr>
<td></td>
<td>Blade will not swing</td>
<td>Remove and inspect blade</td>
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<td>Blades have unequal weight</td>
<td>Replace both blades</td>
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<td>Dishpan bent</td>
<td>Replace dishpan</td>
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## Torque Values Chart for Common Bolt Sizes

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<thead>
<tr>
<th>Bolt Size (inches)</th>
<th>Bolt Head Identification</th>
<th>Grade 2</th>
<th>Grade 5</th>
<th>Grade 8</th>
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<td>6</td>
<td>13</td>
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<td>15</td>
<td>11</td>
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<td>5/16&quot; - 24</td>
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<td>17</td>
<td>13</td>
<td>26</td>
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<td>70</td>
<td>150</td>
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<td>105</td>
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<td>115</td>
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<td>150</td>
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<td>355</td>
<td>1080</td>
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<td>745</td>
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<td>870</td>
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<tr>
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<td>1330</td>
<td>980</td>
<td>2970</td>
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</table>

<table>
<thead>
<tr>
<th>Bolt Size (Metric)</th>
<th>Bolt Head Identification</th>
<th>Class 5.8</th>
<th>Class 8.8</th>
<th>Class 10.9</th>
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<td>M 5 X 0.8</td>
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<td>3</td>
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</tr>
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<td>M 6 X 1</td>
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<td>7</td>
<td>5</td>
<td>11</td>
</tr>
<tr>
<td>M 8 X 1.25</td>
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<td>17</td>
<td>12</td>
<td>26</td>
</tr>
<tr>
<td>M 8 X 1</td>
<td></td>
<td>18</td>
<td>13</td>
<td>28</td>
</tr>
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<td>M10 X 1.5</td>
<td></td>
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<td>24</td>
<td>52</td>
</tr>
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<td>M10 X 0.75</td>
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<td>39</td>
<td>29</td>
<td>61</td>
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<td>M12 X 1.75</td>
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<td>58</td>
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<td>91</td>
</tr>
<tr>
<td>M12 X 1.5</td>
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<td>44</td>
<td>95</td>
</tr>
<tr>
<td>M12 X 1</td>
<td></td>
<td>90</td>
<td>66</td>
<td>105</td>
</tr>
<tr>
<td>M14 X 2</td>
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<td>92</td>
<td>68</td>
<td>145</td>
</tr>
<tr>
<td>M14 X 1.5</td>
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<td>99</td>
<td>73</td>
<td>155</td>
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<tr>
<td>M16 X 2</td>
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<td>105</td>
<td>225</td>
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<td>M16 X 1.5</td>
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<td>115</td>
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<td>M18 X 2.5</td>
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<td>440</td>
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<tr>
<td>M20 X 1.5</td>
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<td>310</td>
<td>230</td>
<td>650</td>
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<td>390</td>
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<td>1730</td>
<td>1270</td>
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<td>M36 X 2</td>
<td></td>
<td>1880</td>
<td>1380</td>
<td>2960</td>
</tr>
</tbody>
</table>

| Blade Bolt Locknut | 450 ft-lbs |
| Blade Carrier Hub Nut | 450 ft-lbs Minimum |

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

Torque tolerance + 0%, -15% of torquing values. Unless otherwise specified use torque values listed above.

### Additional Torque Values

- Blade Bolt Locknut: 450 ft-lbs
- Blade Carrier Hub Nut: 450 ft-lbs Minimum
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:** 3 years on Parts & Labor

**Blades, tires and driveline friction discs:** 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 such as blades, belts, tines, etc. 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 ____________________