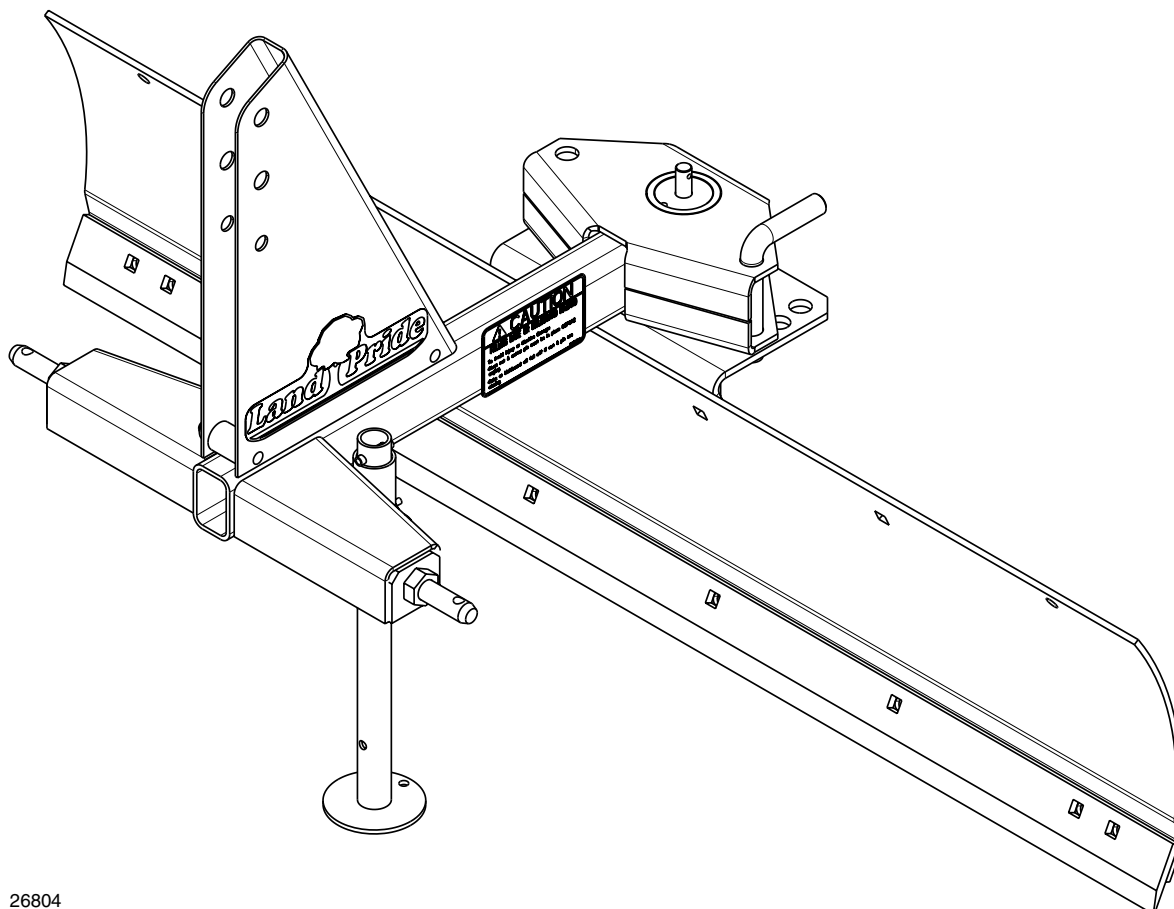


Rear Blades

RB0548, RB0560, RB1560, RB1572 & RB1584



26804

RB05 Series Shown

**301-143M
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 or Spanish Language, please see your Land Pride dealer.



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	

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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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 cover and to the left will take you to the Parts Manual for this equipment. Download the appropriate App on your smart phone, open the App, point your phone on the QR code and take a picture.



Dealer QR Locator

The QR code on the left will link you to available dealers for Land Pride 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, 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 the 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 implement 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.

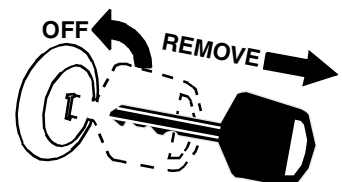
Safety Precautions for Children

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

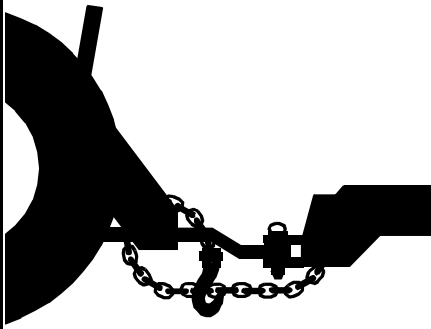
- ▲ If engaged, disengage power take-off.
- ▲ Park on solid, level ground and lower implement to ground or onto support blocks.
- ▲ Put tractor in park or set park brake, turn off engine, and remove switch key to prevent unauthorized starting.
- ▲ Relieve all hydraulic pressure to auxiliary hydraulic 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.

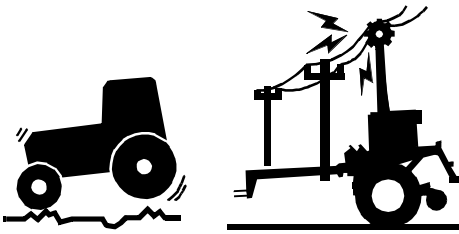
Use A Safety Chain

- ▲ 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 to tow the implement.



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 over head 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.



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 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.



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.

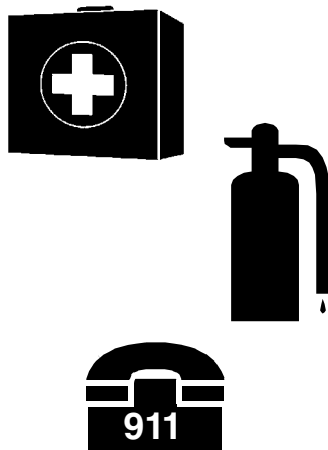
- ▲ Disconnect battery ground cable (-) before servicing or adjusting electrical systems or before welding on implement.
- ▲ Inspect all parts. Make certain parts are in good condition & installed properly.
- ▲ Replace parts on this implement with genuine Land Pride parts only. Do not alter this implement 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 from equipment 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.

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 the 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.



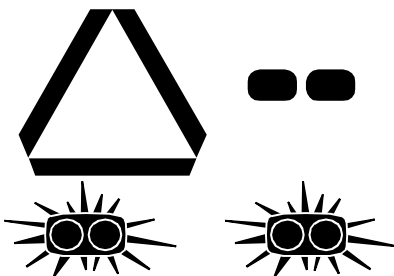
Avoid High Pressure Fluids

- ▲ Escaping fluid under pressure can penetrate the skin 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 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.



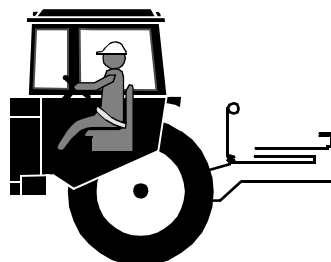
Use Safety Lights and Devices

- ▲ Slow moving tractors, and self-propelled equipment can create a hazard when driven on public roads. They are difficult to see, especially at night. Use the Slow Moving Vehicle (SMV) sign when on public roads.
- ▲ Flashing warning lights and turn signals are recommended whenever driving on public roads.



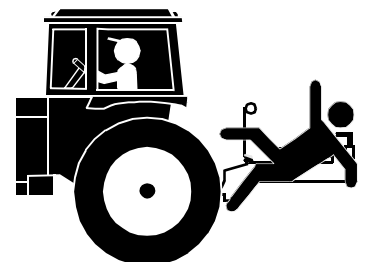
Use Seat Belt and ROPS

- ▲ 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 the 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.



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.



Dig Safe - Avoid Underground Utilities

- ▲ **USA: Call 811**
CAN: digsafecanada.ca
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.



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Safety Labels

Your Rear Blade comes equipped with all safety labels in place. They were designed to help you safely operate your implement. Read and follow their directions.

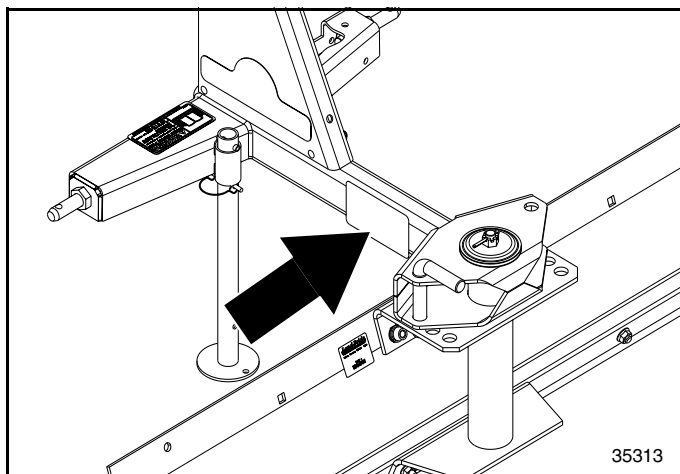
1. Keep all safety labels clean and legible.
2. Refer to this section for proper label placement. Replace all damaged or missing labels. Order new labels from your nearest Land Pride dealer. To find your nearest dealer, visit our dealer locator at www.landpride.com.
3. Some new equipment installed during 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.

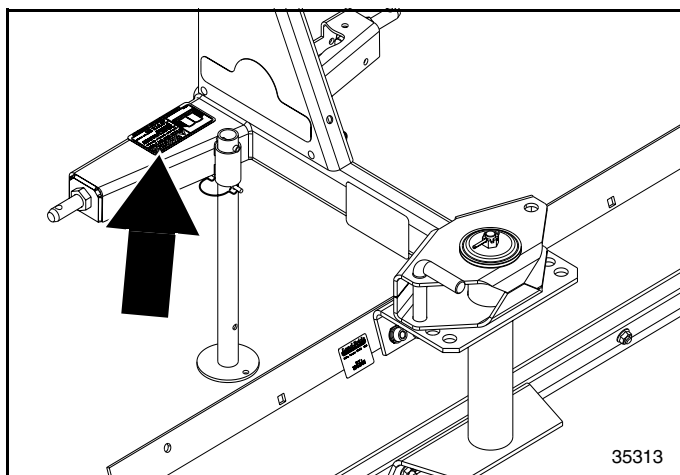


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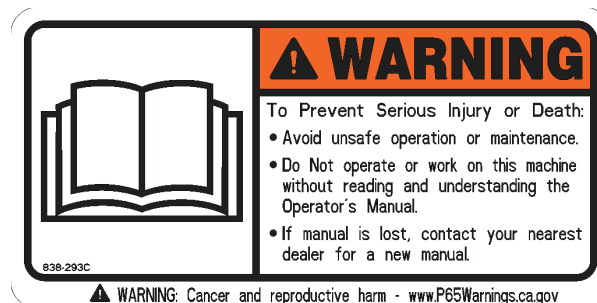


818-202C

Caution: Retaining Nut



35313



838-293C

Warning: Read Operators Manual

Land Pride welcomes you to the growing family of new product owners. This Rear Blade 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 product.

Application

The Land Pride RB05 & RB15 Series Rear Blades are an excellent and economical choice for applications in leveling, finish grading, and backfilling at feedlots, outdoor arenas, building sites, nurseries, and maintenance operations on farms, ranches, and home owner lanes and roadways. The multitude of forward and reverse working angles as well as moldboard offset capability allows the operator to work right up next to retaining walls, abutments, and raised curbing. They are excellent for snow removal in the pulling or push blade mode. A retractable parking stand is included to accommodate easier blade removal, storage, and remount capabilities.

The Land Pride RB05 Series Rear Blades are designed for Category I three-point hitch mounting and attachment to tractors in the 17 to 25 hp range. They come in 48" and 60" working widths, feature 5 forward and 5 reverse working angles up to 30° and are capable of having the 13 1/2" rolled moldboard offset 10" to the left or right.

The Land Pride RB15 Series Rear Blades are designed for Category I three-point hitch mounting, attachment to tractors in the 17 to 40 hp range and are Quick Hitch compatible. They come in 60", 72", and 84" working widths, feature 7 forward angles up to 45° and 5 reverse angles up to 30° and are capable of having the 14" tall rolled moldboard with its reversible cutting edge offset twelve inches to the left or right.

Available accessories for RB15 Series includes end plates for holding material and skid shoes for blade protection. The moldboard can be removed on either Series to accommodate installation of a landscape rake.

See "**Specifications & Capacities**" on page 18 and "**Features and Benefits**" on page 19 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.

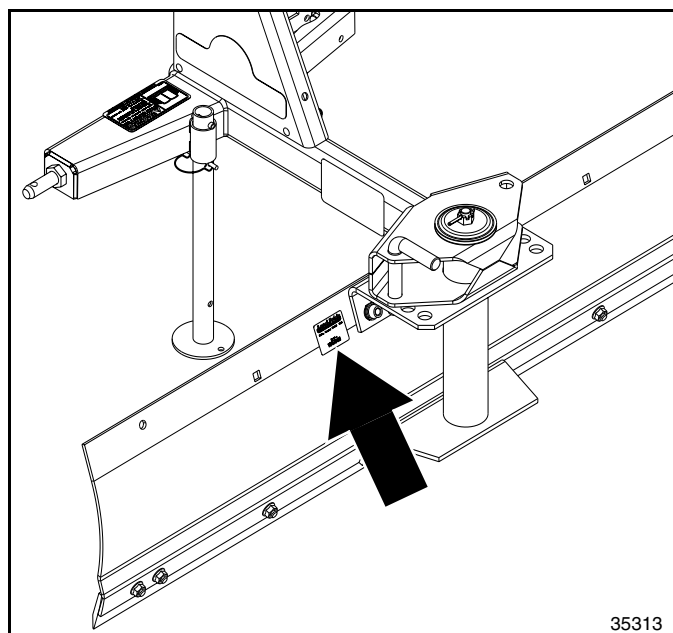
Owner Assistance

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 Rear Blade 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.



Serial Number Plate Location
Figure 1



Further Assistance

Your dealer wants you to be satisfied with your new Rear Blade. 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 implement 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:

**Land Pride Service Department
1525 East North Street**

P.O. Box 5060
Salina, Ks. 67402-5060

E-mail address
lp servicedept@landpride.com

Tractor Requirements

Tractor horsepower and hitch category should be within the range noted below. Tractors outside the horsepower range must not be used.

and hitch category should be within the range noted below. Tractors outside the horsepower range must not be used.

Tractor Horsepower Rating, RB05 Series 17-25 HP

Tractor Horsepower Rating, RB15 Series 17-40 HP

Hitch Category, RB05 & RB15 Series Cat. I

Torque Requirements

See “**Torque Values Chart**” on page 21 to determine correct torque values when tightening hardware.

Rear Blade Assembly



DANGER

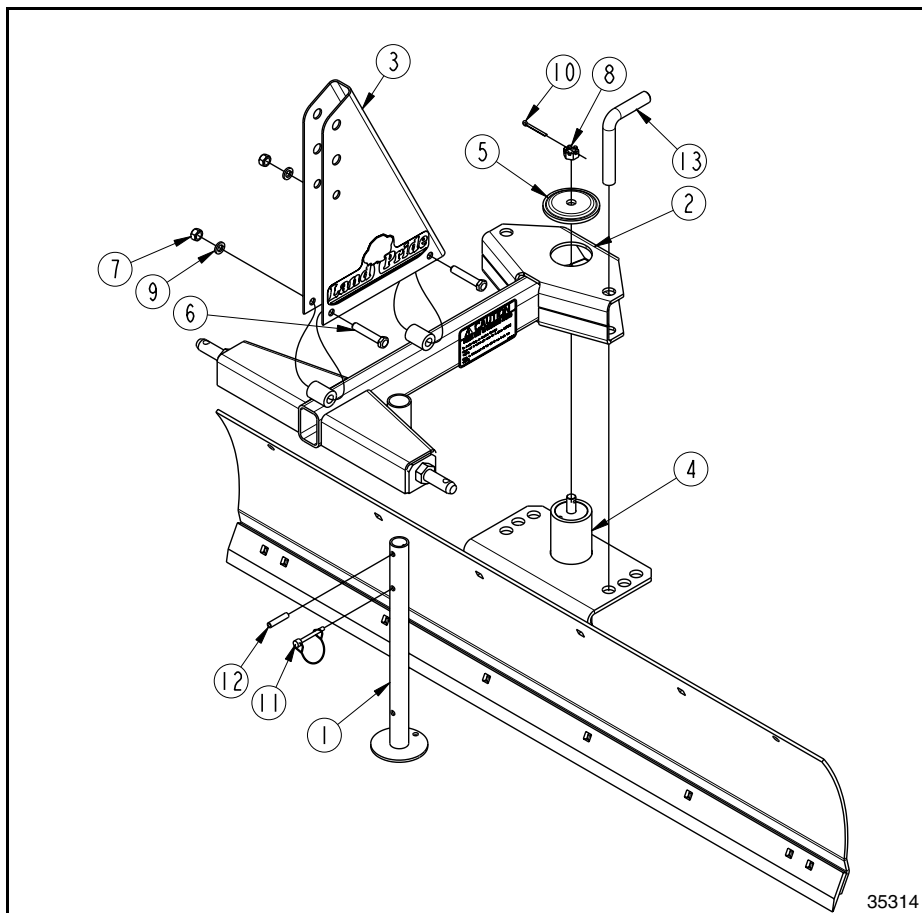
To avoid serious injury or death:

Components falling from the implement can injure a person.

Make certain all components are secured to the implement before lifting it, and that the unit is properly supported on the ground before removing lifting device. Always keep feet and other extremities clear of areas where components can fall.

Refer to Figure 1-1:

1. Insert blade pivot (#4) through pivot hole in main frame (#2).
2. Place pivot cap (#5) over threaded pivot shaft protruding through pivot hole in main frame (#2).
3. Screw on slotted hex nut (#8) until vertical play is removed from pivot shaft. Secure slotted hex nut with cotter pin (#10). Bend one or more legs of cotter pin to keep cotter pin from falling out.
4. Line up turntable holes in blade assembly (#4) and mainframe assembly (#2) and insert lock pin (#13).
5. Position upper hitch mast (#3) on main frame (#2) and insert bolts (#6). Install lock washers (#9) and hex nuts (#7). Tighten hex nuts to the proper torque.
6. Insert parking stand (#1) into parking stand bracket and secure with 3/8" x 1 3/4" lg. roll pin (#12).
7. Insert wire pin (#11) in the top hole when storing the blade. Raise parking stand up and secure wire pin in the bottom hole when blade is attached to a tractor.



Rear Blade Assembly (RB0560 Model Shown)

Figure 1-1

3-Point Hook-Up

Refer to Figure 1-2:

DANGER

To avoid serious injury or death:

- A crushing hazard exists while hooking-up and unhooking the implement. Keep people and animals away while backing-up to the implement or pulling away from the implement. Do not operate hydraulic controls while a person or animal is directly behind the power machine or near the implement.
- Always check all blade hardware for tightness before moving or working around the unit. Make sure moldboard is secured with hex slotted nut and cotter pin. If cotter pin is missing, the slotted nut can unscrew allowing the moldboard to fall from its pivot mount.

WARNING

To avoid serious injury or death:

Always shut tractor down according to “Tractor Shutdown Procedure” provided in this manual before allowing anyone including the operator to hook up or unhook 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. Ensure lower arms are stabilized to prevent excessive side movement.
2. Slowly back tractor up to the Rear Blade while using 3-point hydraulic control to align hitch holes in lower lift arms with hitch pins on implement.
3. Set tractor transmission in park or engage tractor park brake, shut tractor engine off, and remove switch key before dismounting tractor.
4. With lower arms properly aligned, slide arm hitch holes onto implement hitch pins.

5. Secure lower arms to hitch pins by inserting customer supplied linchpins through hitch pins holes and rotating linchpin snap rings down.
6. Connect top center link to upper hitch plate using customer supplied clevis pin and linchpin.
7. Using tractor lift control lever, lift Rear Blade up until parking stand is off the ground 1 to 2 inches.
8. Remove wire retaining pin, and raise parking stand up to transport position.
9. Make sure lower holes in parking stand is above parking stand mounting tube. Insert wire retaining pin through lower holes in parking stand. Make sure wire retainer is caught over end of pin.

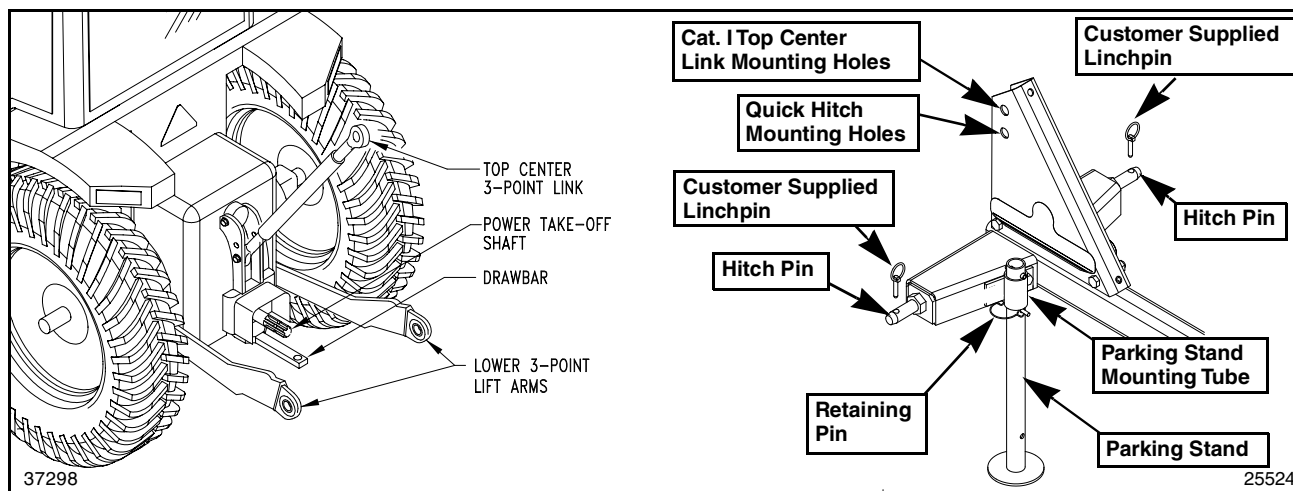
Leveling the Rear Blade

Refer to Figure 1-2:

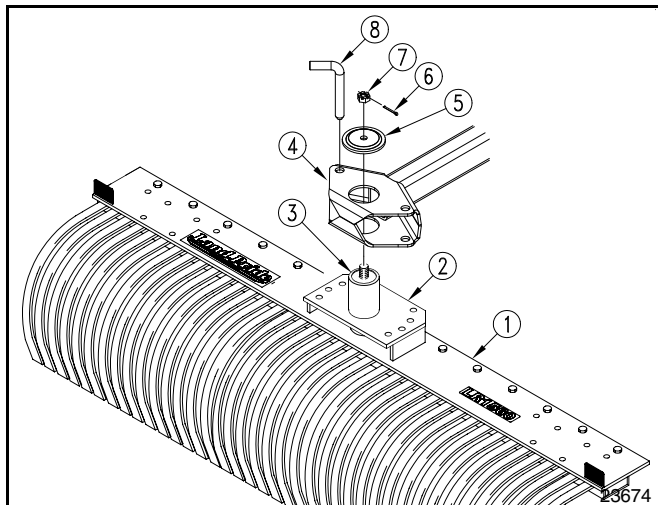
1. Manually adjust one of the two lower lift arms up or down to level the blade from left to right.
2. Manually adjust length of the top center link to level blade from front to rear.

Check Clearances

1. If required, offset blade to desired setting. Refer to “Blade Offset” on page 12 for instructions.
2. If required, tilt end of blade to desired setting. Refer to “Blade Tilt” on page 12 for instructions
3. Raise blade off the ground and angle blade as far as possible towards the right rear tractor tire. Refer to “Blade Angling” on page 12.
4. Return to the tractor and slowly raise 3-point lift arms fully up and down to make sure blade does not make contact with tractor tire, drawbar, and any other equipment on the tractor.
 - a. Move or remove drawbar if it interferes with blade.
 - b. Set tractor control lever stop to restrict lifting height if blade interferes with tractor tire.



Tractor 3-Point Hitch To RB15 Series Rear Blade
Figure 1-2



Rake Attachment
Figure 2-1

Rake Attachment

Landscape Rake Kit Bundles

302-193A		LR0548 RAKE ASSY
302-232A		LR0560 RAKE ASSY
302-170A		LR1560 RAKE ASS'Y
302-171A		LR1572 RAKE ASS'Y
302-172A		LR1584 RAKE ASS'Y
302-173A		LR1596 RAKE ASS'Y



DANGER

To avoid serious injury or death:

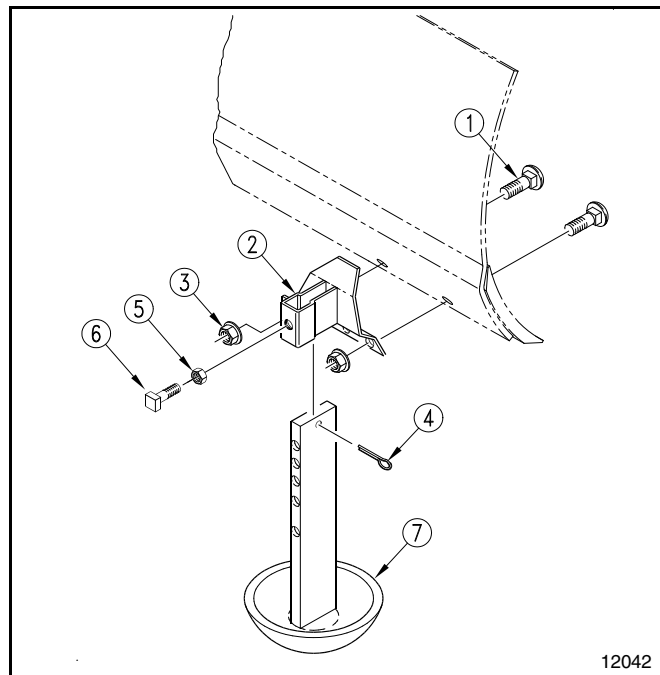
Always check all blade hardware for tightness before moving or working around the unit. Make sure moldboard pivot and tilt retaining hardware is tightened to the correct torque. The moldboard can fall from its pivot mount or tilt mount if retaining hardware is loose or missing.

Refer to Figure 2-1:

The rakes are attached to the center pivot and are for raking rocks, dirt, and sand; and are perfect for cleaning and preparing a site for seeding as well as general maintenance around farms, parks, and beaches.

1. Remove lock pin (#8).
2. Stabilize Rear Blade and then remove cotter pin (#6), slotted hex nut (#7) and pivot cap (#5).
3. Raise main frame (#4) off of pivot pin (#3).
4. Set blade aside.
5. Rotate rake assembly (#1) such that it is facing forward.
6. Position main frame (#4) above pivot pin (#3) and carefully lower main frame (#4) onto pivot pin.
7. Secure rake assembly to the main frame with existing pivot cap (#5), slotted hex nut (#7), and cotter pin (#6). Bend one or more legs of cotter pin to keep pin from falling out.

8. Rotate rake assembly (#1) to the forward position and insert existing lock pin (#8).



Skid Shoe Assembly
Figure 2-2

Skid Shoes (RB15 Series Only)

Kit Bundle (Pair of skid shoes)

301-330A		SKID SHOE ASSEMBLY
----------	-------	--------------------

Refer to Figure 2-2:

The skid shoes (7' shown) are attached to both ends of the blade to help prevent damage to the surface of the ground by the blade.

1. Remove two 5/8"-11 x 1 3/4" GR5 plow bolts (#1) from the end of the blade. Keep hardware for installation of skid shoes.
2. Attach skid shoe bracket (#2) with 5/8"-11 x 1 3/4" GR5 plow bolts (#1) and hex flange locknuts (#3). Tighten hardware to the correct torque.
3. Insert skid shoe (#7) into skid shoe bracket (#2). Secure with 1/2" hex nut (#5), 1/2"-13 x 2" GR5 square head set screw (#6) and cotter pin (#4). Bend one or both legs of cotter pin to keep pin from falling out.
4. Repeat steps 1 through 3 for the other side.

Blade Adjustments

There are 5 adjustments that can be made manually to the blade. They are blade offset, angling, reversing, tilt, and pitch.

Safety Alerts

DANGER

To avoid serious injury or death:

Always check all blade hardware for tightness before moving or working around the unit. Make sure moldboard is secured with hex slotted nut and cotter pin. If cotter pin is missing, the slotted nut can unscrew allowing the moldboard to fall from its pivot mount.

WARNING

To avoid serious injury or death:

- Do not come in contact with turntables or stick objects into the turntable holes while adjusting the unit's angle. Doing so can pinch or shear body extremities and objects.
- Never fully extend or retract hydraulic cylinder(s) without first checking to make sure the implement does not make contact with tractor tires. Extending implement into the tractor tires can result in loss of control and damage to the implement and/or tractor.

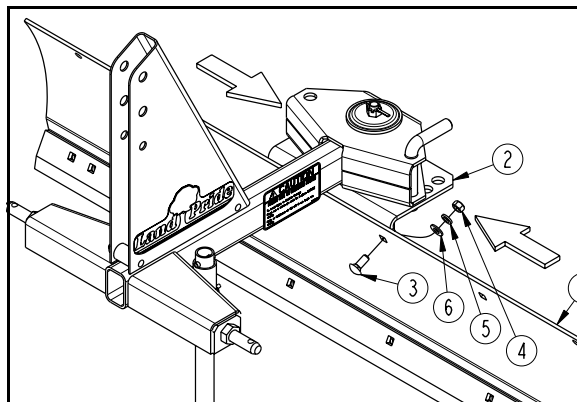
IMPORTANT: The implement must be hitched to a tractor and raised off the ground several inches to make the following adjustments.

Blade Offset

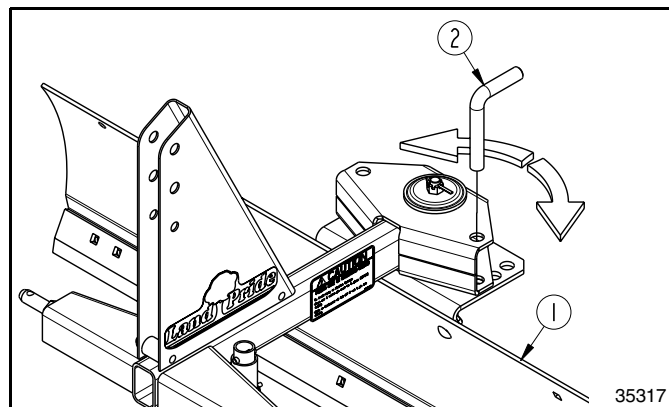
Refer to Figure 3-1:

The blade may be offset right or left 10" on the RB05 Series and 12" on the RB15 Series.

1. Read and follow all "**Safety Alerts**" on this page .
2. Unbolt moldboard (#1) from blade mount (#2).
3. Using alternative holes in the moldboard, reattach moldboard to blade mount with 1/2"-13 x 1 1/4" GR5 carriage bolts (#3), flat washers (#6), spring lock washers (#5), and hex nuts (#4). Tighten hex nuts to the correct torque.



Blade Offset
Figure 3-1



Blade Angling
Figure 3-2

Blade Angling

Refer to Figure 3-2:

Holes are provided for angling the blade on each side of center in 15° increments up to 30° for RB05 Series and 45° for RB15 Series.

1. Read and follow all "**Safety Alerts**" on this page .
2. Pull bent pin (#2) and rotate blade (#1).
3. When blade is at desired angle, reinsert bent pin.

Blade Reversing

Refer to Figure 3-2:

NOTE: Rotate blade 180 degrees before using it in reverse direction. Blade must be hooked to a tractor and parking stand up to reverse blade.

Holes are provided for angling the blade in reverse position to each side of center in 15 degree increments up to 30° for RB05 Series and 45° for RB15 Series.

1. Read and follow all "**Safety Alerts**" on this page .
2. Pull bent pin (#2) and rotate blade (#1) around 180°.
3. When blade is at desired angle, reinsert bent pin.

Blade Tilt

The blade may be tilted for ditching so one end is lower than the other by adjusting the tractor's lower link leveling crank.

Blade Pitch

Blade pitch can be adjusted by lengthening or shortening the tractor's top center 3-point link. Increasing blade pitch will increase blade's ability to dig.

Lengthen center 3-point link to increase blade pitch when grading while traveling forward. Shorten center 3-point link to decrease blade pitch.

The opposite is true if backfilling. Shorten center 3-point link to increase blade pitch and lengthen center 3-point link to decrease blade pitch. To help protect the Rear Blade from becoming damage while backfilling, lengthen tractor's center 3-point link until the blade moves across the top of the ground without forcing itself into the soil.

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 blade. Therefore, It is absolutely essential that no one operates the Rear Blade 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 9
- **Section 2: Set-Up of Accessories**, page 11
- **Section 3: Adjustments**, page 12
- **Section 4: Operating Procedures**, page 13
- **Section 5: Maintenance & Lubrication**, page 16

Do the following inspections before using your Blade.

Operating Checklist

✓	Check	Page
	Make sure all safety labels are in their proper location and in good readable condition.	6
	Check 3-point hook-up procedure. Be sure all pins have been installed and are secured.	10
	All blade adjustments have been made and pins have been installed and are secured.	12
	The operator has read and understood how to operate the blade.	15
	Read and follow all lubrication Instructions. Refer to the section on "Lubrication Points".	16
	Check initially and periodically for loose bolts and pin connections. Make sure all hardware is tight and that worn or damaged hardware is replaced with properly rated hardware. Refer to the "Torque Values Chart" for torque values.	21
	Inspect tractor safety equipment to make sure it is in good working condition.	Tractor Manual

General Safety

DANGER

To avoid serious injury or death:

- Always check all blade hardware for tightness before moving or working around the unit. Make sure moldboard is secured with hex slotted nut and cotter pin. If cotter pin is missing, the slotted nut can unscrew allowing the moldboard to fall from its pivot mount.
- 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.
- Always keep a safe distance from obstructions. The implement can extend beyond tractor tires and makes a wide swinging pattern when turning. Never hit solid objects with implement as this can damage property and cause tractor to pivot violently resulting in loss of control.

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.
- Always shut tractor down according to "Tractor Shutdown Procedure" provided in this manual before allowing anyone including the operator to hook up or unhook the implement.
- Never make contact with underground utilities such as electrical power lines, gas lines, phone lines, etc. They can cause serious injury or death from electrocution, explosion, or fire. Always call 811 (USA) before digging so that they can mark the location of underground services in the area. For contact information, see Dig Safe in the "Important Safety Information" starting on page 1.
- Never carry riders on the implement or tractor. 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.
- Operate only power machines equipped with a certified Roll-Over Protective Structure (ROPS) and seat belt. Keep folding ROPS in the "locked up" position when appropriate. 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.
- 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.
- Make sure hydraulic hoses are properly routed without twists to prevent becoming stretched, pinched, or kinked. A damaged hydraulic hose can burst and leak hydraulic fluid.
- Never fully extend or retract hydraulic cylinder(s) without first checking to make sure the implement does not make contact with tractor tires. Extending implement into the tractor tires can result in loss of control and damage to the implement and/or tractor.
- When using the park stand, make sure it is fully down with wire retaining pin fully inserted and wire retainer over end of pin. If not, the implement could fall.
- Always dress to stay warm in cold weather. Never allow body or extremities to become too cold. Use a cab to provide protection against the cold. Go inside a heated area to warm-up when getting too cold.
- Be careful when working areas where obstructions can be hidden. Always mark potential hazards with a visible flag. Travel slowly through high risk areas and be prepared to stop immediately should implement make contact with a solid object.

IMPORTANT: Do not hitch implement to a tractor rated outside the recommended horsepower range. Doing so can bend and/or break the implement.

Inspection After Hook-Up

Make the following inspections after attaching the Rear Blade to the tractor:

1. Inspect tractor safety equipment to make sure it is in good working condition.
2. Make sure all blade components are properly lubricated. See “**Lubrication Points**” on page 17.
3. Check clearances between blade and tractor throughout the range of all blade motions. See “**Check Clearances**” on page 10 for detailed instructions.

Unhooking the Rear Blade

WARNING

To avoid serious injury or death:

When using the park stand, make sure it is fully down with wire retaining pin fully inserted and wire retainer over end of pin. If not, the implement could fall.

Unhook Rear Blade from the tractor as follows:

1. Park on a level solid hard surface. Place tractor gear selector in park and set park brake.
2. Lower parking jack and secure with hitch pin.
3. Lower blade and parking jack onto level ground or onto blocks supporting the unit just above ground.
4. Shut tractor engine off and remove key.
5. If needed, adjust length of upper center 3-point link until hitch pin can be removed from hitch frame.
6. Remove linchpins from lower hitch pins and pull hitch pins out.
7. Move lower 3-point arms out of the way and reinstall hitch pins, linchpins, and hairpin cotters in the Rear Blade hitch frame for storage.
8. Reinstall hitch pins, linchpins, and hairpin cotters in the Rear Blade hitch frame for storage.
9. Refer to “**Long-Term Storage**” on page 16 when storing the Rear Blade for a long time.

Transporting

DANGER

To avoid serious injury or death:

Always keep a safe distance from obstructions. The implement can extend beyond tractor tires and makes a wide swinging pattern when turning. Never hit solid objects with implement as this can damage property and cause tractor to pivot violently resulting in loss of control.

WARNING

To avoid serious injury or death:

- Transport with implement centered behind the tractor. An implement offset to one side can extend beyond the tractor tire which creates a higher risk of hitting traffic and other obstructions.
 - Make sure implement does not block tractor’s Slow Moving Vehicle (SMV) sign when transporting on a public road. If operators in vehicles approaching from the back cannot easily see the sign, then install one on the implement that is visible to warn of your presence.
 - When traveling on roadways, travel in such a way that other vehicles may pass you safely. Always 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.
1. Do not operate tractor with weak brakes or worn tires.
 2. Transport on roadways with blade centered behind the tractor to minimize blade overhang.
 3. Select a safe ground speed when transporting from one area to another and reduce speed when turning.
 4. When turning, leave enough clearance so the blade does not hit obstacles such as buildings or trees.
 5. When traveling on roadways, transport in such a way that faster moving vehicles may pass safely. A slow moving vehicle sign should be properly displayed when traveling on public roads or right-of-ways.
 6. Slow down if traveling on a wet slick road.
 7. Shift to a lower gear when traveling over rough or hilly terrain and when going downhill.

Rear Blade Functions

IMPORTANT: The warranty shall not apply to damage caused by misuse, abuse, or contact with obstructions.

NOTE: Place grade stakes if you intend to develop a specific grade or soil level.

Grading

Pivot moldboard to the desired angle, lower blade to the ground, and set the tractor’s draft-link height control to the desired position. Proceed forward at a speed of no more than 2 to 4 mph. The blade should immediately begin shaving the surface.

A blade full of material can be raised slightly so that the material can flow out evenly under the blade to effectively shave off high spots and fill in potholes or depressions. Loose soil can be smoothed out by pushing the soil with the back of the moldboard while backing-up.

Edge work

If blade is wide enough, material close to fences, buildings, and other obstructions can be graded by

offsetting the moldboard to the right or left beyond the tractor tire. Make certain the end of the blade is offset far enough to be visible to the operator. Always keep a safe distance away from obstructions, drive slowly when passing by them, and stay clear of them when turning. Always be aware that the blade will make a wide swinging pattern in a turn and always be ready to stop immediately. Never hit an obstruction as this can damage the blade and/or obstruction.

Ditch Work

Fill ditches by offsetting the blade beyond the tractor wheel to keep the tractor out of the ditch. Angle the blade to move the dirt toward and into the ditch while traveling forward. Set blade depth as needed (see “**Grading**” instructions on this page when setting blade depth).

Backfilling

Backfilling is a process where the operator turns the blade around 180° and pushes the product while backing-up. Be careful not to overstress the Rear Blade while backfilling as load forces on the blade and frame increase when backing up. To help protect the Rear Blade from damage, lengthen the tractor’s center top link until the blade will move across the top of the ground without forcing itself into the soil, adjust the offset to be straight behind the tractor and set the blade angle at 90° (perpendicular to the Mainframe). Keep the load in the center of the blade and not on the end of the blade. Don’t ram a load with the blade and always operate at slow speeds when backing-up. Be ready to stop immediately if a solid object is hit. Removing snow while backing-up is especially dangerous as snow can hide solid objects and there is a tendency to drive too fast to get the snow removal job done. High speeds multiply the forces exerted on the Rear Blade.

Basic Operating Instructions

1. Thoroughly inspect the work area for buried utility cables, pipelines, sprinkler heads, and any unforeseen objects. Mark any potential hazards.
2. Place grade stakes if you intend to develop a specific grade or soil level.
3. Adjust blade to the desired angle, tilt, and offset position before lowering blade to the ground.
4. Lower blade to the ground and proceed forward at a speed of no more than 2 to 4 mph. The blade should immediately begin shaving the soil surface.
5. Set tractor’s draft-link height control lever to the desired grade position. If blade is set at a 90 degree angle to the direction of travel, it may be necessary to raise the blade slightly so that dirt and gravel can flow out evenly under the blade as it shaves off high spots and fills in potholes or depressions.

General Operating Instructions

Once you have familiarized yourself with the Operator’s Manual, completed the operations checklist, and properly attached your Land Pride Rear Blade to your

tractor, you are almost ready to begin work. Hopefully, you will have checked out your work site for buried utility cables, pipelines, sprinkler heads, or other obstacles that you would not want to damage or encounter. Grade stakes should now be in place if you intend to develop a specific grade, elevation, or crown.

A Rear Blade’s primary purpose is for grading and leveling of soil, gravel, or aggregate in the warmer months or snow removal in the colder months. These functions are best done at an approximate 2 to 4 mph ground speed. Becoming proficient with a Rear Blade takes practice. Tractor horsepower, your personal skill level, soil, or aggregate composition, moisture levels, and compaction factors will all have a definite impact on how easily and effectively you get the job done when you are in the dirt working mode. Develop a plan to achieve your expected results. Set the blade up at the proper angle to do the job. This may require some experimentation to achieve the desired results. Lower the Rear Blade to the ground and proceed forward at a speed of no more than 2 to 4 mph. The blade should immediately begin shaving the soil surface and dirt or aggregate material. Set the tractor’s draft-link height control in the desired position. With the blade set at a 90 degree angle you may need to raise the blade slightly so that the dirt or gravel can flow out evenly under the blade effectively shaving off high spots and filling in potholes or depressions. Skid shoes on the 15 Series Blades can help maintain a consistent blade height for this purpose.

If you have the blade set at an angle, the shaved or accumulated material will begin to move outward toward the trailing edge of the blade. The greater the angle the more quickly the shaved material will be distributed off to the side. If it is necessary to work up next to a building foundation, abutment, or raised curb you may want to offset the blade so that the outside edge of the blade is beyond the outer edge of the tractor tire in working position. backfilling operations may be more easily performed by reversing the blade and operating the tractor in reverse or commonly called the push mode. Be careful not to overstress the Rear Blade while backfilling as load forces on the blade and frame increase while backing up.

If you are performing landscaping operations for the purpose of seedbed preparation, you may want to remove the moldboard and install an optional landscape rake component to achieve a truly professional finish when you are finished blading. Snow removal techniques with a blade will be very similar to dirt working techniques and will require a little experimentation to become proficient.

With a little practice you should become a very good operator and consistently achieve the desired results you expect with your Land Pride RB05 or RB15 Series Rear Blade.

See “**Specifications & Capacities**” on page 18 and “**Features & Benefits**” on page 19 for additional information and performance enhancing options.

Maintenance

Proper servicing and adjustment 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.

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

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 hydraulics is off.
- Always check all blade hardware for tightness before moving or working around the unit. Make sure moldboard is secured with hex slotted nut and cotter pin. If cotter pin is missing, the slotted nut can unscrew allowing the moldboard to fall from its pivot mount.

WARNING

To avoid serious injury or death:

- Allow only persons to perform maintenance on this implement who have been properly trained in its safe operation.
- 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 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.

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 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 Rear Blade and then wash surfaces thoroughly with a garden hose.

2. Inspect blade for loose, damaged, or worn parts and hardware. Adjust or replace parts as needed with genuine Land Pride Parts.
3. Repaint parts where paint is worn or scratched to prevent rust. Ask your Land Pride dealer for 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.

Land Pride Aerosol Touch-up Paint

Part No. Part Description

821-011C	PAINT LP BEIGE SPRAY CAN
821-070C	PAINT LP BLACK SPRAY CAN
821-066C	PAINT ORANGE SPRAY CAN

4. Replace all damaged or missing decals.
5. Lubricate as noted under “**Lubrication Points**” on page 17.
6. A coating of oil or grease may be applied to the moldboard and blade to minimize oxidation.
7. Store Rear Blade on a level surface in a clean, dry place. Inside storage will reduce maintenance and increase the life of the unit.
8. Follow instructions for “**Unhooking the Rear Blade**” on page 14 when disconnecting tractor from Rear Blade.

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.

82 Orange

85 Black

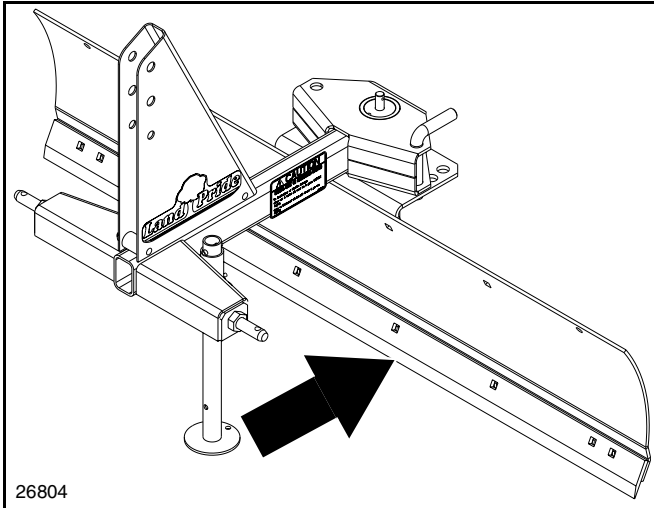
For example, if you are ordering a replacement part with part number 555-555C and the existing part is orange, then add the suffix 82 to the end of the number to make the part number read 555-555C82.

Lubrication Points

Lubrication Legend



Intervals in hours at which lubrication is required



Moldboard and Blade

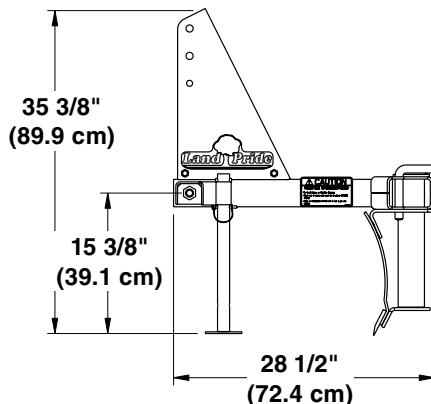
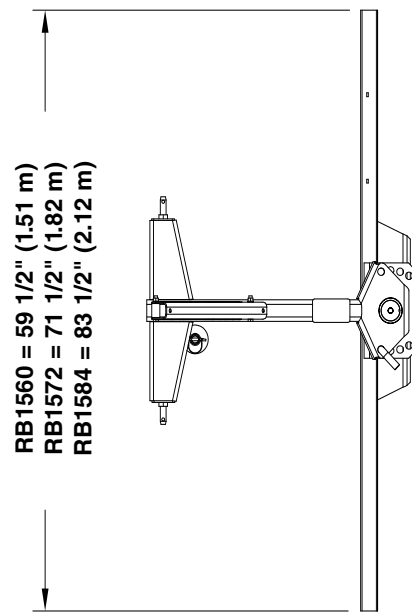
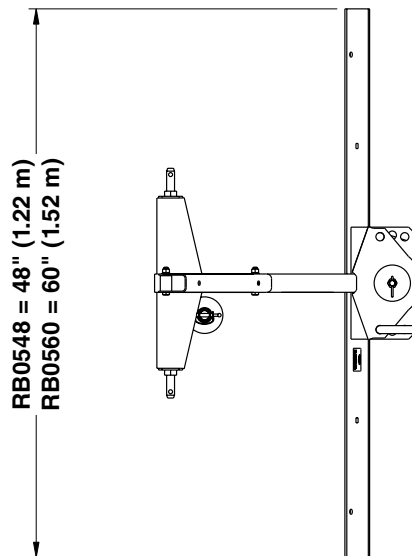
Grease moldboard and blade when storing for an extended period of time.

Type of Lubrication: Multi-Purpose Grease

Quantity = Coat Generously

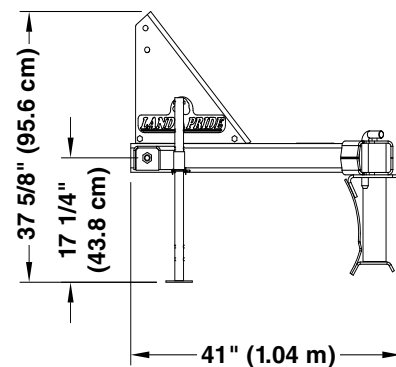
RB05 & RB15 Series

List	Specifications & Capacities				
Model Numbers	RB0548	RB0560	RB1560	RB1572	RB1584
Blade width	48" (1.22 m)	60" (1.52 m)	60" (1.52 m)	72" (1.83 m)	84" (2.13 m)
Approximate weight	128 lbs (58.1 kg)	143 lbs (64.9 kg)	248 lbs (112.5 kg)	269 lbs (122.0 kg)	289 lbs (131.1 kg)
Horsepower rating	17-25 hp (12.7-18.6 kw)		17-40 (12.7-29.8 kw)		
Hitch type	Cat. 1 (Fits Land Pride Quick Hitch)		Cat. 1 (Fits Land Pride Quick Hitch)		
Blade angle	5 Forward up to 30° 5 Reverse up to 30° Clockwise & Counterclockwise		7 Forward up to 45° 5 Reverse up to 30° Clockwise & Counterclockwise		
Blade offset	10" (25.4 cm) left or right		12" (30.5 cm) left or right		
Moldboard height	13 1/2" (34.3 cm)		14" (35.6 cm)		
Moldboard thickness	1/4" (6 mm)		1/4" (6 mm)		
Cutting edge	3/8" x 3" (1.0 cm x 7.6 cm) Heat treated Bolt-On Flat blade (Single bevel)		1/2" x 6" (1.3 cm x 15.2 cm) Heat treated Replaceable & Reversible (Double bevel)		
Parking stand	Retractable		Retractable		
Accessories	Landscape Rake Adaptable		Skid Shoes & Landscape Rake Adaptable		



RB05 Series

26805



RB15 Series

27514

RB05 Series Rear Blades

Features	Benefits
Warranty	One year parts & labor. See warranty page for complete details.
48", 60" Working widths	Choice of two sizes to pick from.
17-25 Horsepower rating	Fits a wide variety of small tractors between 17 & 25 horsepower.
Quick Hitch	Fits Land Pride Quick Hitch.
Blade angles left and right up to 30° in either direction	(5 forward positions in 15° increments and 5 reverse positions in 15° increments) Many angles for diverse jobs and results.
Blade offsets left and right 10"	Manually adjust offset to move moldboard over and keep hitch centered on tractor.
13 1/2" Moldboard height	Can pull a lot of dirt for a little blade.
Heat treated cutting edge	Hard edge protects the moldboard edge.
Parking stand	Store unit with front of hitch off the ground, allows for easier hook-up.
Landscape Rake adaptable	05 Series Landscape Rake element will fit in place of the moldboard for diversity.

RB15 Series Rear Blades

Features	Benefits
Warranty	One year parts & labor.
60", 72", 84" Working widths	Choice of three sizes to pick from.
17-40 HP rating	Fits a wide variety of small tractors between 17 & 40 HP.
Quick Hitch	Fits Land Pride Quick Hitch.
Blade angles left and right up to 45° in forward position and 30° in reverse position	(7 Forward positions in 15° increments and 5 reverse positions in 15° increments) Many angles for diverse jobs and results.
Blade offsets 12" left and right	Manually move moldboard to cover either tractor tire.
14" High rolled moldboard	Rolled moldboard allows material to flow easily, which means less drag, less HP. 1/4" moldboard thickness is just right for 40 HP work.
Reversible cutting edge	For twice the life.
Parking stand	Store unit with front of hitch off the ground, allows for easier hook-up.
Skid shoes (optional)	Set depth of blade to clear obstructions like manhole covers, street cracks.
Landscape Rake adaptable	Remove moldboard and add rake element to add diversity of frame.

Troubleshooting Chart

Problem	Cause	Solution
Bent hitch frame and/or mainframe while backfilling	Hitting one or more solid objects.	Check for solid objects before backfilling. Drive slow when in unknown conditions & stop immediately at first sign of trouble.
	Blade is digging too deep into the ground.	Lengthen top center 3-point link until blade quits digging in the ground.
	Moldboard is offset.	Align moldboard so that it is centered.
	Load on moldboard is not centered.	Keep load in the center of the moldboard.
Bent hitch frame, mainframe, and/or moldboard while making a Turn	Swinging the Rear Blade into a solid object while making a turn.	Stay clear of solid objects while turning. Remember the back will make a wide swinging pattern when turning.
Bent moldboard	The moldboard could have a slight curve that developed during factory weld-up.	No solution required. Slight curve is acceptable and does not affect operation.
	Hitting one or more solid objects that are hidden or not hidden in the ground.	Check for solid objects before operating. Drive slow when in unknown conditions & stop immediately at first sign of trouble.
	Hitting a solid object with the end of the moldboard.	Keep moldboard ends a safe distance away from solid objects. Manually remove the last several inches of product away.
Blade does not penetrate soil	Ground is too hard.	Loosen soil with a Land Pride Scarifier. Apply water to the surface or wait for a rain.
	Blade cutting edge is too dull.	Replace blade to get a new cutting edge.
	Blade pitch is set too light.	Lengthen top center 3-point link.
Blade penetrates soil too deep when traveling forward	Ground is too soft	Install Land Pride's Skid Shoes.
	Blade pitch is set too excessive.	Shorten top center 3-point link when traveling forward.
Grading is not level	Tractor's draft-link height control is lifting the blade.	Set draft-link height control to the proper cutting depth.
Moldboard falls from the mainframe	Kingpin and/or moldboard pivot pin retaining bolts are missing.	Check Kingpin & Moldboard pivot pin bolts daily. Make sure they are properly torqued. Apply loctite if they keep coming loose. Replace missing bolts.

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	39	72	53
3/8" - 24	31	22	47	35	67	49	M10 X 0.75	39	29	61	45	85	62
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.													

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

Cutting Edges: 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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