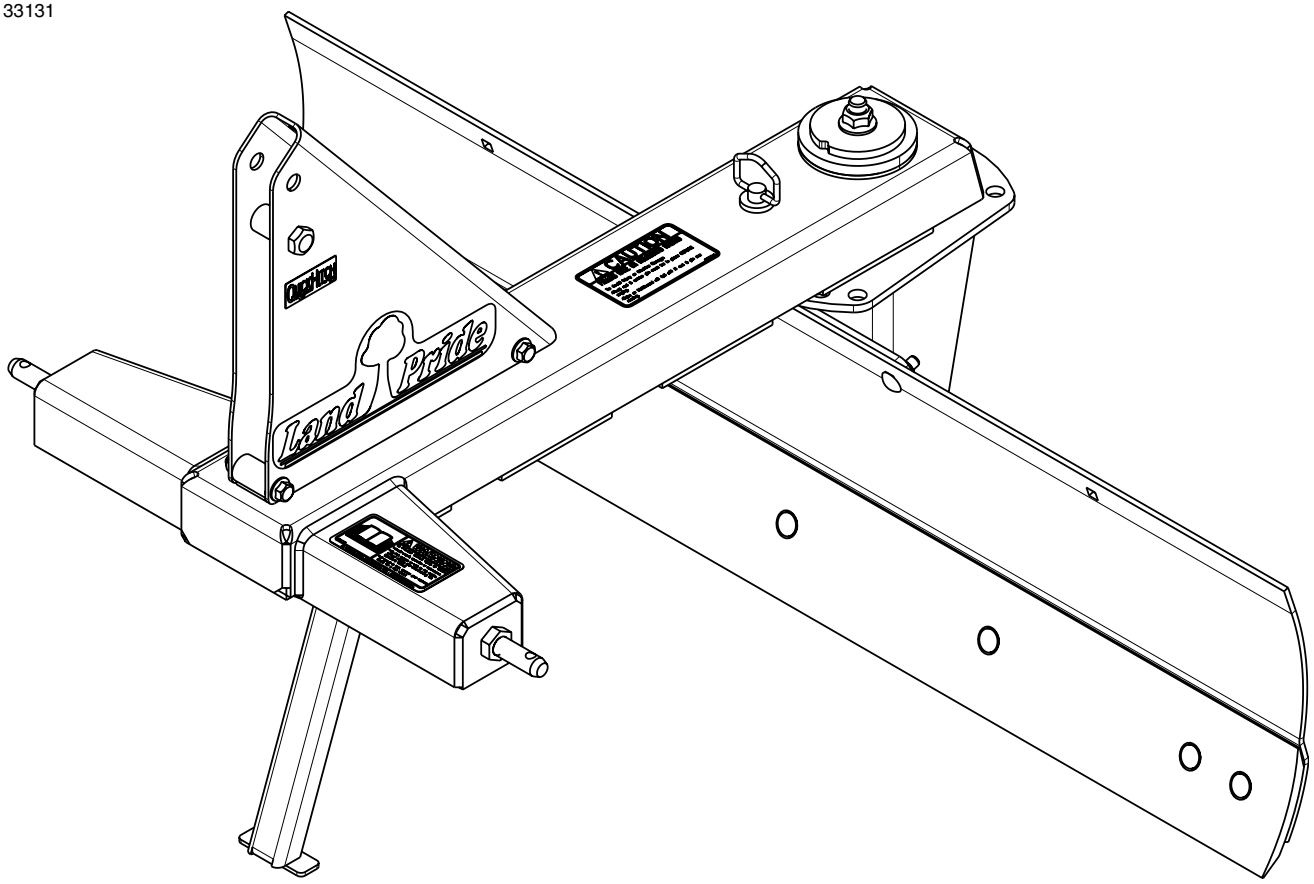
Table of Contents

Rear Blades

RB1660, RB1672, RB1684, RB2672, RB2684, & RB2696

33131



301-375M
Operator's Manual

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

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

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

Printed 2/22/21

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

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 you 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.

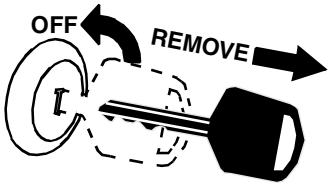
Safety Precautions for Children

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

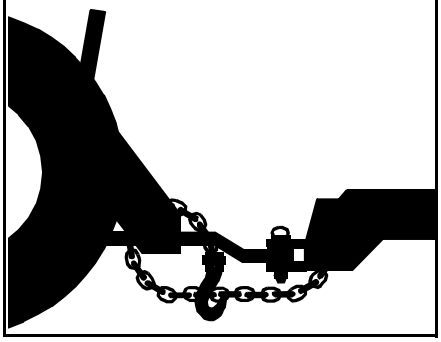
- ▲ If engaged, disengage power take-off.
- ▲ Park on solid, level ground and lower implement to ground or onto support blocks.
- ▲ Put tractor in park or set park brake, turn off engine, and remove switch key to prevent unauthorized starting.
- ▲ Relieve all hydraulic pressure to auxiliary hydraulic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

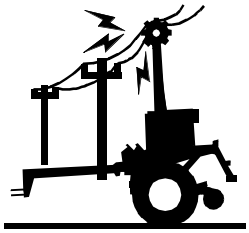


Transport Safely

- 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.

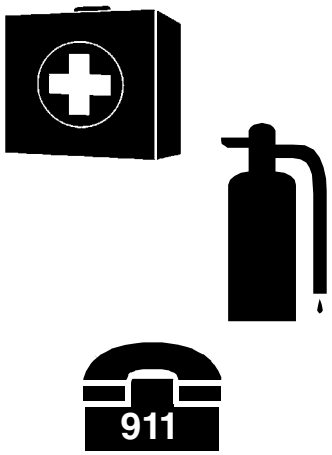
Practice Safe Maintenance

- 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)

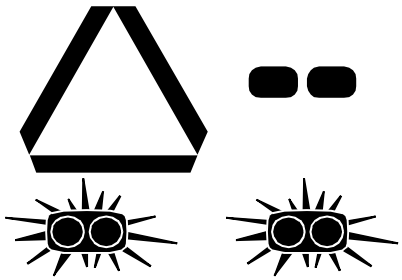
- ▲ Wear protective clothing and equipment appropriate for the job such as safety shoes, safety glasses, hard hat, and ear plugs.
- ▲ Clothing should fit snug without fringes and pull strings to avoid entanglement with moving parts.
- ▲ Prolonged exposure to loud noise can cause hearing impairment or 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.

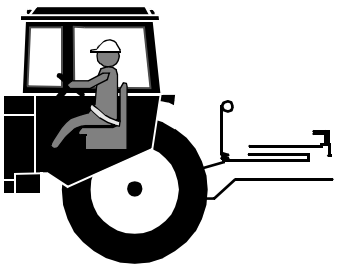
Use Safety Lights and Devices

- ▲ 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.



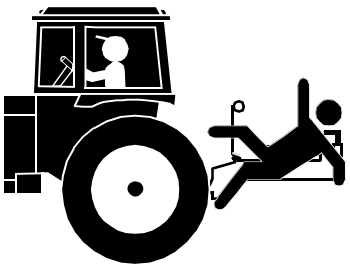
Use Seat Belt and ROPS

- ▲ 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.

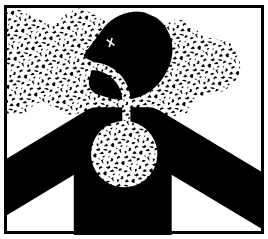


Listed below are common practices that may or may not be applicable to the products described in this manual.

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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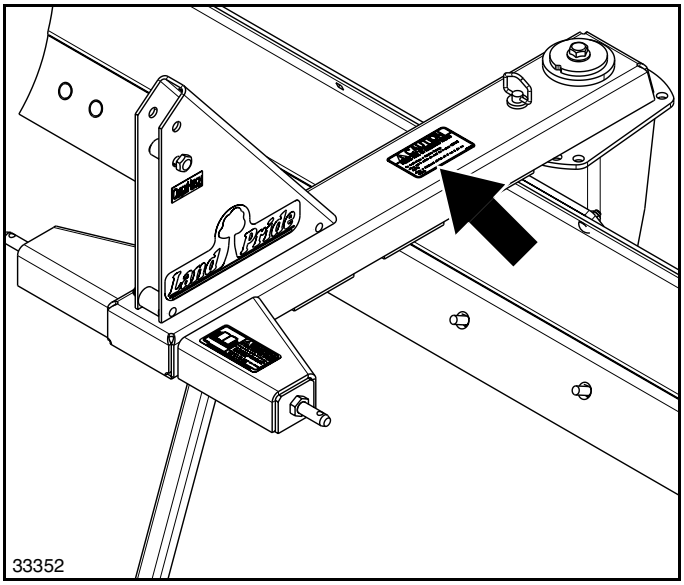
Safety Labels

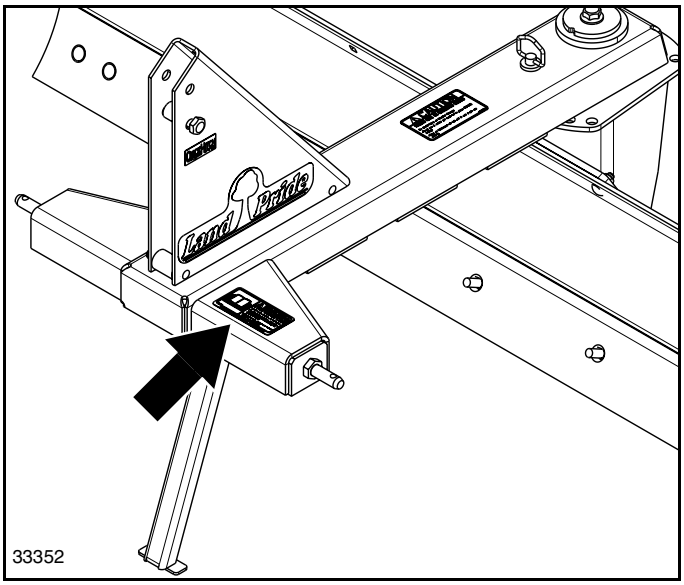
Your Rear Blades comes equipped with all safety labels in place. They were designed to help you safely operate your implement. Read and follow their directions.

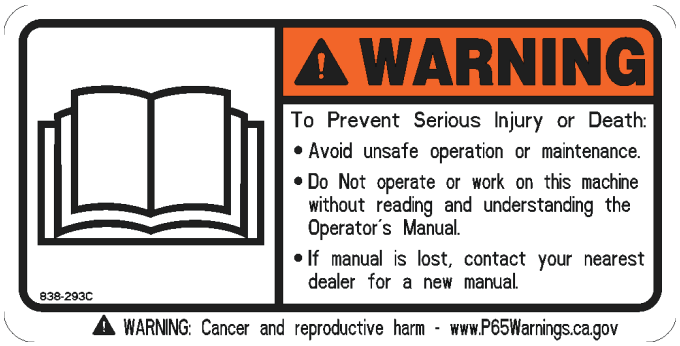
1. *Keep all safety labels clean and legible.*
2. *Refer to this section for proper label placement. Replace all damaged or missing labels. Order new labels from your nearest Land Pride dealer. To find your nearest dealer, visit our dealer locator at www.landpride.com.*
3. *Some new equipment installed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



818-202C

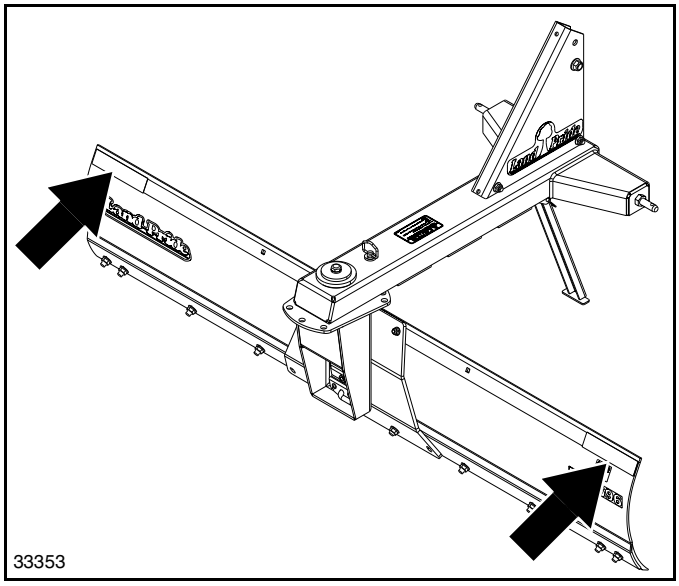
Caution: Falling Hazard





838-293C

Warning: Read Operator's Manual



858-095C (RB2672)

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

838-614C (RB2684 & RB2696)

2" x 9" Red Reflector (2 places)

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 RB16 & RB26 Series Rear Blades with 3-Way Positions (blade angle, blade tilt, and blade offset) are an excellent choice for leveling, finish grading, and backfilling applications at feedlots, outdoor arenas, building sites, nurseries, and maintenance operations on farms, ranches, or home owner lanes, and roadways. They are excellent for snow removal in pulling or push-blade mode. Their offset and tilt capability make them an excellent choice for construction and maintenance of drainage ditches, waterways, soil contours, and for maintaining silage pit operations.

The RB16 Series come with a 14" high rolled moldboard in 60", 72", and 84" widths for attaching to tractors in the 20 to 40 hp range. The RB26 Series come with a 17 1/2" high rolled moldboard in 72", 84", and 96" widths for attaching to tractors in the 25 to 60 hp range. Both series are designed for attaching to tractors with a Category I 3-point hitch and are Quick Hitch compatible.

They offer 7 forward blade angles, 3 reverse blade angles, and 5 blade tilt angles. The rolled moldboard with its reversible cutting edge can be offset 12" to the left or 12" to the right to cover either tractor tire and to allow operators to work next to retaining walls, abutments, and raised curbing. A folding park stand is included to accommodate tractor hook-up, unhooking, and implement storage. Available accessories include end plates for holding material, skid shoes for blade protection, and hydraulic angling.

See **"Specifications & Capacities"** on page 25 and **"Features & Benefits"** on page 26 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.

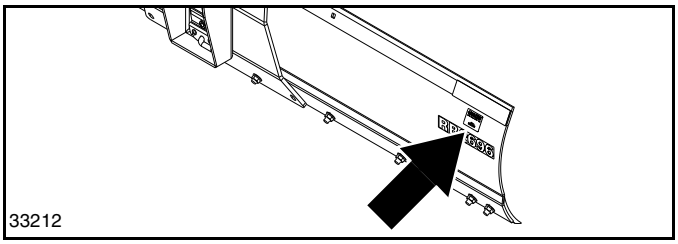


Figure 1

Further Assistance

Your dealer wants you to be satisfied with your new Rear Blades. 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 questions/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
lpservicedept@landpride.com

Tractor Requirements

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.

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

Horsepower Rating
- RB16 Series . . . . . 20 to 40 hp
- RB26 Series . . . . . 25 to 60 hp

Hitch Category . . . . . Cat. I

Torque Requirements

See **"Torque Values Chart"** on page 28 to determine correct torque values when tightening hardware.

RB16 Series Rear Blade Assembly

Refer to Figure 1-1:

DANGER

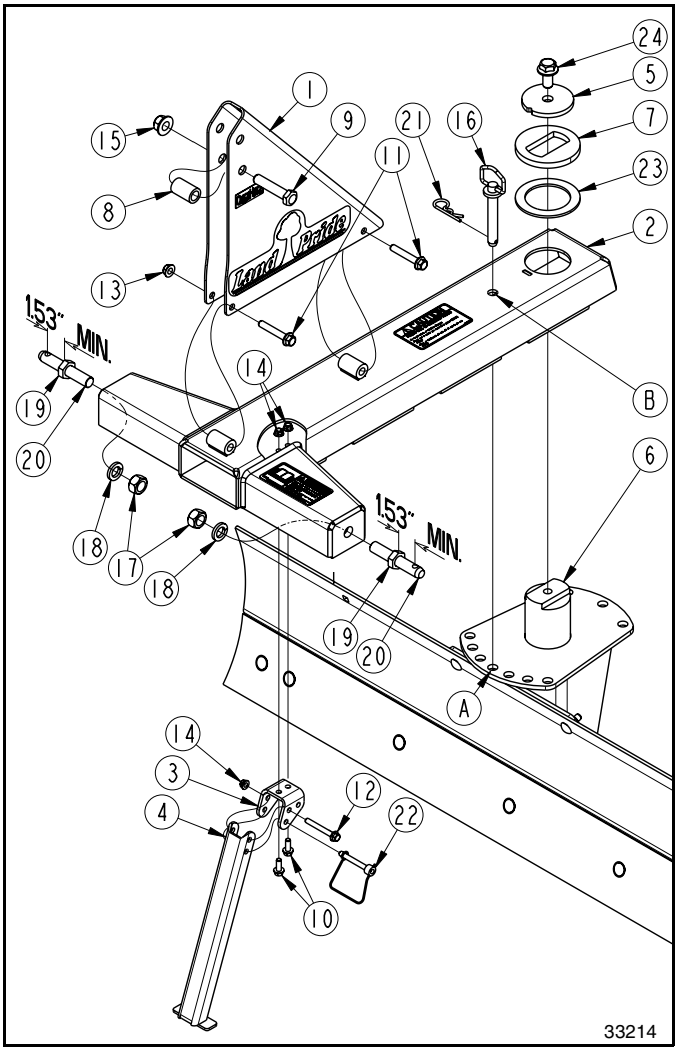
To avoid serious injury or death:

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.

1. Attach park stand mounting bracket (#3) to underside of mainframe (#2) with two 3/8"-16 x 1" GR5 hex flange cap screws (#10) and hex flange locknuts (#14). Tighten nuts to the correct torque.
2. Attach park stand (#4) to mounting bracket (#3) with 3/8"-16 x 3" GR5 flange screw (#12) and flange locknut (#14). Draw locknut up snug, do not tighten.
3. Rotate park stand (#4) down and secure with wire snap locking pin (#22). Make certain wire snap is fastened over end of pin.

IMPORTANT: Remove paint from blade pivot shaft and wipe grease from inside of mainframe pivot hole to make certain pivot shaft will fit into pivot hole.

4. Insert blade pivot shaft (#6) into mainframe (#2).
5. Install pivot bushing (#23), drive pivot cap (#7), and pivot cap (#5) over blade pivot shaft (#6).
6. Secure pivot cap (#5) with 3/4"-10 x 1 1/2" GR5 hex flange cap screw (#24). Tighten hex flange cap screw to the correct torque.
7. Align center hole "A" in blade turntable with hitch pin hole "B" and insert 3/4" hitch pin (#16). Secure hitch pin with hairpin cotter (#21).
8. Attach upper hitch (#1) to mainframe (#2) with 1/2"-13 x 3" GR5 hex head flange cap screws (#11) and hex flange locknuts (#13). Tighten hex flange locknuts to the proper torque.
9. Attach Quick Hitch bushing (#8) to upper hitch (#1) with 3/4"-10 x 3 1/2" GR5 cap screw (#9) and hex flange top locknut (#15). Tighten top locknut to the correct torque.
10. Adjust jamb nuts (#19) on draw pins (#20) until distance from face of jam nut to center of linchpin hole is 1.53" (1 17/32") minimum.
11. Attach draw pins (#20) to main frame (#2) with spring lock washers (#18) and 7/8"-14 hex nuts (#17). Draw hex nuts up snug. Do not tighten until next step.
12. Keep draw pins (#20) from turning by inserting an alignment punch into the linchpin hole. Keep linchpin hole vertical with alignment punch while tightening hex nuts (#17) to the correct torque.



RB16 Series 3-Way Rear Blade Assembly
Figure 1-1

RB26 Series Rear Blade Assembly

Refer to Figure 1-2:

DANGER

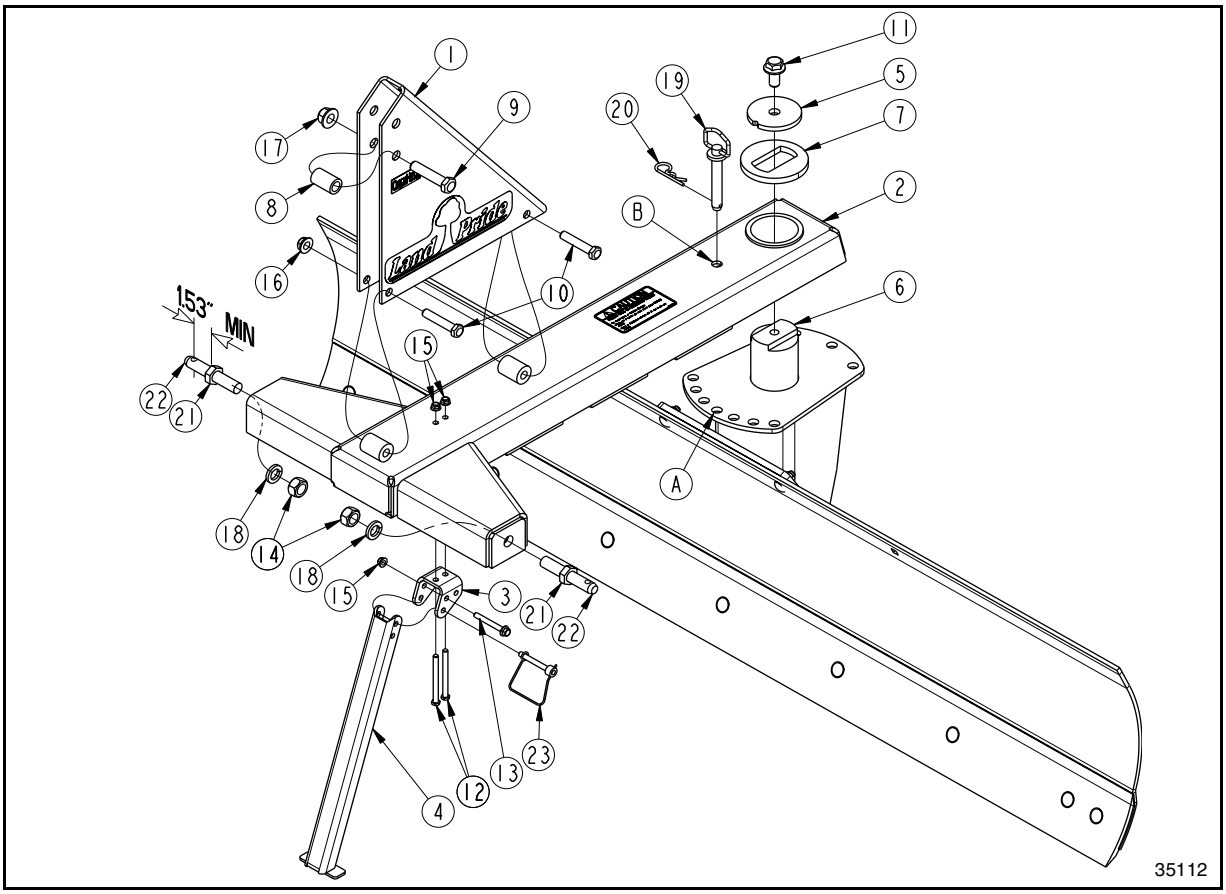
To avoid serious injury or death:

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.

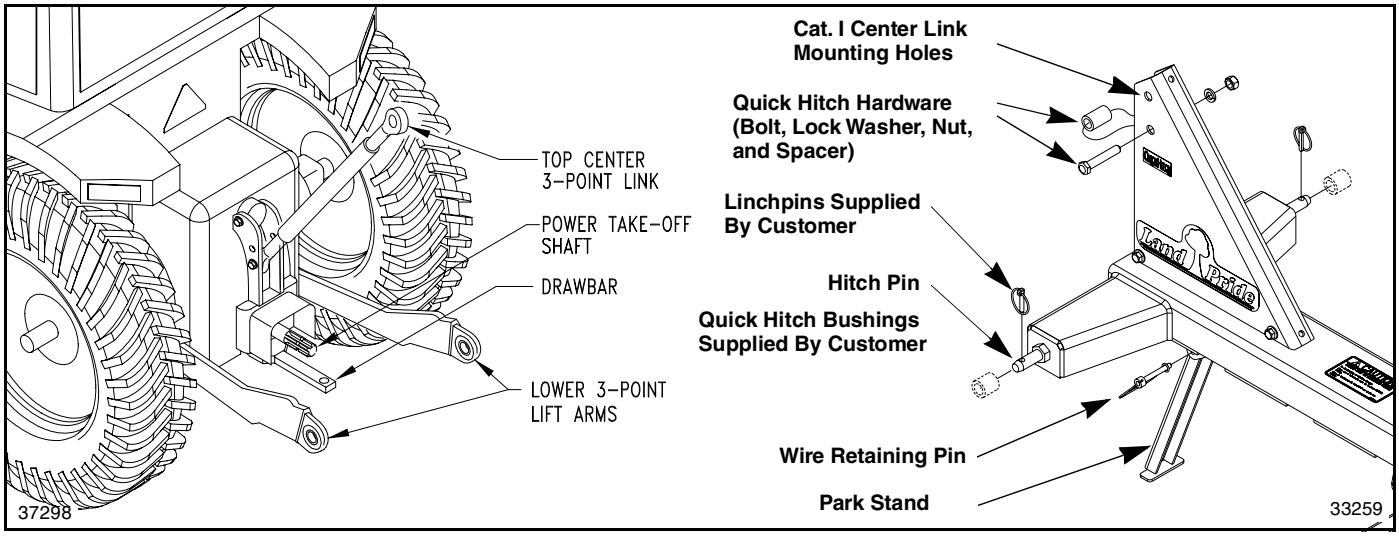
1. Attach park stand mounting bracket (#3) to underside of mainframe (#2) with two 3/8"-16 x 4 1/4" GR5 hex cap screws (#12) and hex flange lock nuts (#15). Tighten nuts to the correct torque.
2. Attach park stand (#4) to mounting bracket (#3) with 3/8"-16 x 3" GR5 flange screw (#13) and flange locknut (#15). Draw locknut up snug, do not tighten.
3. Rotate park stand (#4) down and secure with wire snap locking pin (#23). Make certain wire snap is fastened over end of pin.

IMPORTANT: Remove paint from blade pivot shaft and wipe grease from inside of mainframe pivot hole to make certain pivot shaft will fit into pivot hole.

4. Insert blade pivot shaft (#6) into mainframe (#2).
5. Install drive pivot cap (#7), and pivot cap (#5) over blade pivot shaft (#6).
6. Secure pivot cap (#5) with 3/4"-10 x 1 1/2" GR5 hex flange cap screw (#11). Tighten hex flange cap screw to the correct torque.
7. Align center hole “A” in blade turntable with hitch pin hole “B” and insert 3/4" hitch pin (#19). Secure hitch pin with hairpin cotter (#20).
8. Attach upper hitch (#1) to mainframe (#2) with 5/8"-11 x 3 1/4" GR5 hex head cap screws (#10) and hex flange locknuts (#16). Tighten hex flange locknuts to the proper torque.
9. Attach Quick Hitch bushing (#8) to upper hitch (#1) with 3/4"-10 x 3 1/2" GR5 cap screw (#9) and hex flange top locknut (#17). Tighten top locknut to the correct torque.
10. Adjust jamb nuts (#21) on draw pins (#22) until distance from face of jam nut to center of linchpin hole is 1.53" (1 17/32") minimum.
11. Attach draw pins (#22) to main frame (#2) with spring lock washers (#18) and 7/8"-14 hex nuts (#14). Draw hex nuts up snug. Do not tighten until next step.
12. Keep draw pins (#22) from turning by inserting an alignment punch into the linchpin hole. Keep linchpin hole vertical with alignment punch while tightening hex nuts (#14) to the correct torque.



RB26 Series 3-Way Rear Blade Assembly
Figure 1-2



Tractor 3-Point Hitch
Figure 1-3

3-Point Hook-Up

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 the its pivot mount or tilt mount if retaining hardware is loose or missing.

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.*
- *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.

Refer to Figure 1-3:

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 3-point lift arms with hitch pins on implement.
3. Engage tractor park brake, shut engine off, and remove key before dismounting from tractor.
4. With lower lift arms properly aligned, slide lift arm hitch holes onto implement hitch pins. Secure lower arms in place with customer supplied linchpins.
5. Connect top center link hitch hole to center link mounting hole in hitch using customer supplied 3/4" clevis pin and linchpin.
6. Rotate park stand up to transport position and secure with wire retaining pin.

Hydraulic Hook-Up

Refer to Figure 2-1 on page 13:

WARNING

To avoid serious injury or death:

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.

NOTE: See **"RB16 Series Hydraulic Angling Kit"** on page 13 if installing hydraulic option.

1. Connect hydraulic hoses (#18 & #19) to tractor duplex outlet.
2. With Rear Blade hitched to a tractor, raise blade off the ground and operate hydraulic cylinder lever slowly to angle blade back and forth. Make sure the blade does not make contact with tractor tires.
3. Continue to cycle hydraulic cylinder back and forth until it has been purged of air. (Cylinder rod will move smoothly when purged.)

Check Clearances

1. Make certain blade offset is adjusted to the field setting before checking blade clearances. Refer to **"Blade Offsetting"** on page 17 for offset instructions.
2. With Rear Blade hitched to a tractor, raise blade off the ground and angle blade as far as possible towards the right rear tractor tire. Refer to **"Manual Angling"** on page 16 for angling instructions.
3. Slowly raise 3-point arms fully up and down to make sure blade does not make contact with tractor tire and drawbar.
   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.
4. Tilt end of blade closest to the tractor tire fully up and repeat step 3 above. Refer to **"Blade Tilting"** on page 16 for tilt instructions.
5. Tilt end of blade closest to the tractor tire fully down and repeat step 3 above.
6. Return **"Manual Angling"** and **"Blade Tilting"** to center position.
7. Angle blade as far as possible towards the left rear tractor tire and repeat steps 3 through 6

RB16 Series Hydraulic Angling Kit

Refer to Figure 2-1:

The Hydraulic Angling Kit can be easily attached to the RB16 & RB26 Series Rear Blades to make controlling blade angle easier. Order the kit that matches your Landscape Rake serial number.

RB16/LR16 Series With S/N 986200+

301-526A. . . . . RB16/LR16 HYDRAULIC ANGLE KIT

RB16/LR16 Series With S/N 71126 to 986199-

301-425A. . . . . .B16/LR16 HYDRAULIC ANGLE KIT

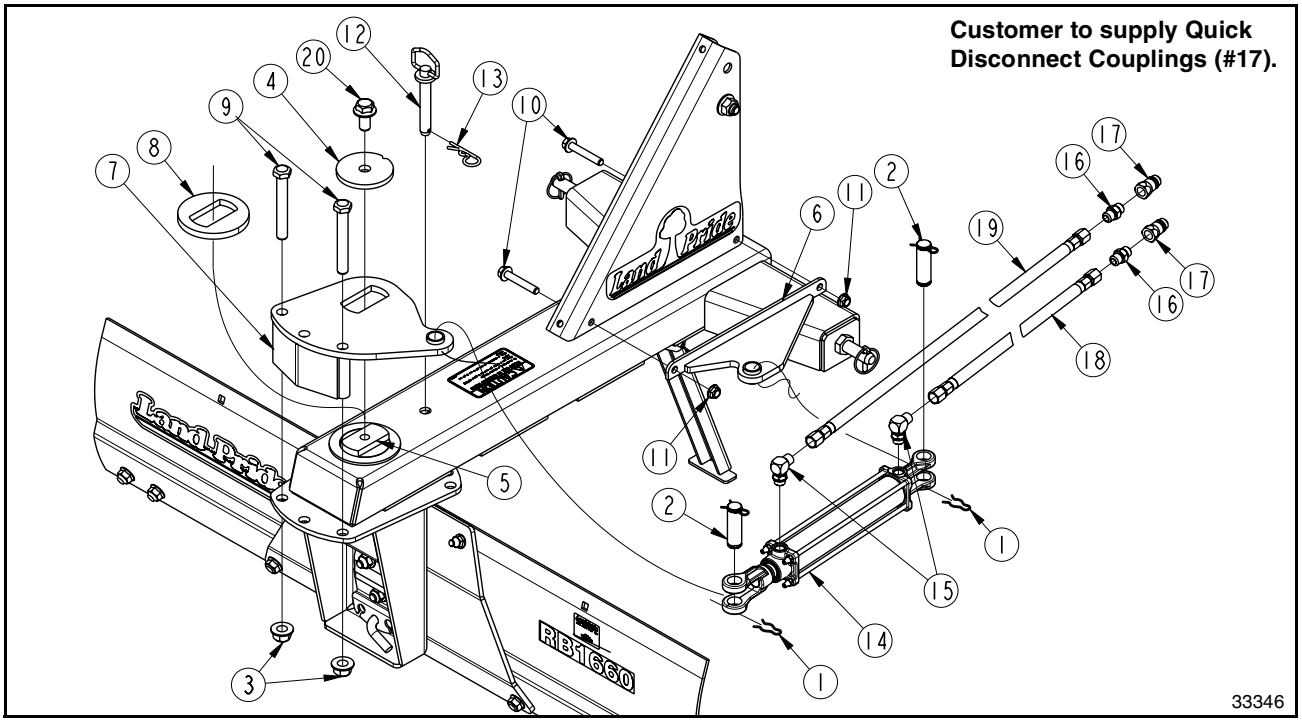
DANGER

Do not remove hardware securing blade pivot cap without supporting underside of blade. The blade will fall if not supported.

1. Support rear blade by lowering unit to the ground. If unhooked from a tractor, make sure park stand is rotated down and secured.
2. With blade supported, unscrew hex flange cap screw (#20). Remove pivot cap (#4) and drive pivot cap (#8). Keep locknut and pivot cap for reuse. Store drive pivot cap (#8). It will come in handy when reversing the blade. See **"Hydraulic Blade Reversing"** on page 18
3. Attach hydraulic angle plate (#7) to hex blade drive (#5) with pivot cap (#4), 3/4"-10 x 1 1/2" GR5 hex flange cap screw (#20), 3/4"-10 x 5 1/2" GR5 cap screws (#9), and hex flange top locknuts (#3). Tighten locknuts (#3) and cap screw (#20) to the correct torque.
4. Remove hairpin cotter (#13) and hitch pin (#12). Remove locknuts (#11) and bolts (#10). Store removed hardware with drive pivot cap (#8).
5. Attach front cylinder mount (#6) with 1/2"-13 x 3 1/2" GR5 cap screws (#10) and new hex flange top locknuts (#11). Tighten locknuts to the correct torque.
6. Attach adapter fittings (#16) to one end of hydraulic hoses (#18 & #19) and tighten.
7. Attach quick disconnect couplings (#17) to adapter fittings (#16) and tighten. (Customer to supply quick disconnect hydraulic couplings.)
8. Position hydraulic cylinder (#14) with ports on top and cylinder base to the front as shown. Screw 90° elbows (#15) into the cylinder ports and tighten facing forward as shown.
9. Attach short hydraulic hose (#18) to elbow (#15) at the cylinder base and tighten.
10. Attach long hydraulic hose (#19) to elbow (#15) at the cylinder rod end and tighten.

IMPORTANT: Attach cylinder base to the front cylinder mount. The base will interfere with the mainframe if attached to rear cylinder mount.

11. Attach base of hydraulic cylinder (#14) to the front cylinder mount (#6) with clevis pin (#2) and hairpin cotters (#1). Make sure hydraulic ports are positioned on top and cylinder base is positioned to the front as shown.
12. Attach rod end of hydraulic cylinder (#14) to hydraulic angle plate (#7) with clevis pin (#2) and hairpin cotters (#1).



RB16 Series Hydraulic Blade Angling Accessory
Figure 2-1

RB26 Series Hydraulic Angling Kit

Refer to Figure 2-1:

The Hydraulic Angling Kit can be easily attached to the RB16 & RB26 Series Rear Blades to make controlling blade angle easier. Order the kit that matches your Landscape Rake serial number.

RB26/LR26 Series With S/N 9866200+

301-524A . . . . . RB26 HYDRAULIC ANGLE KIT

RB26/LR26 Series With S/N 71126 to 986199-

301-426A . . . . . .B26 HYDRAULIC ANGLE KIT

DANGER

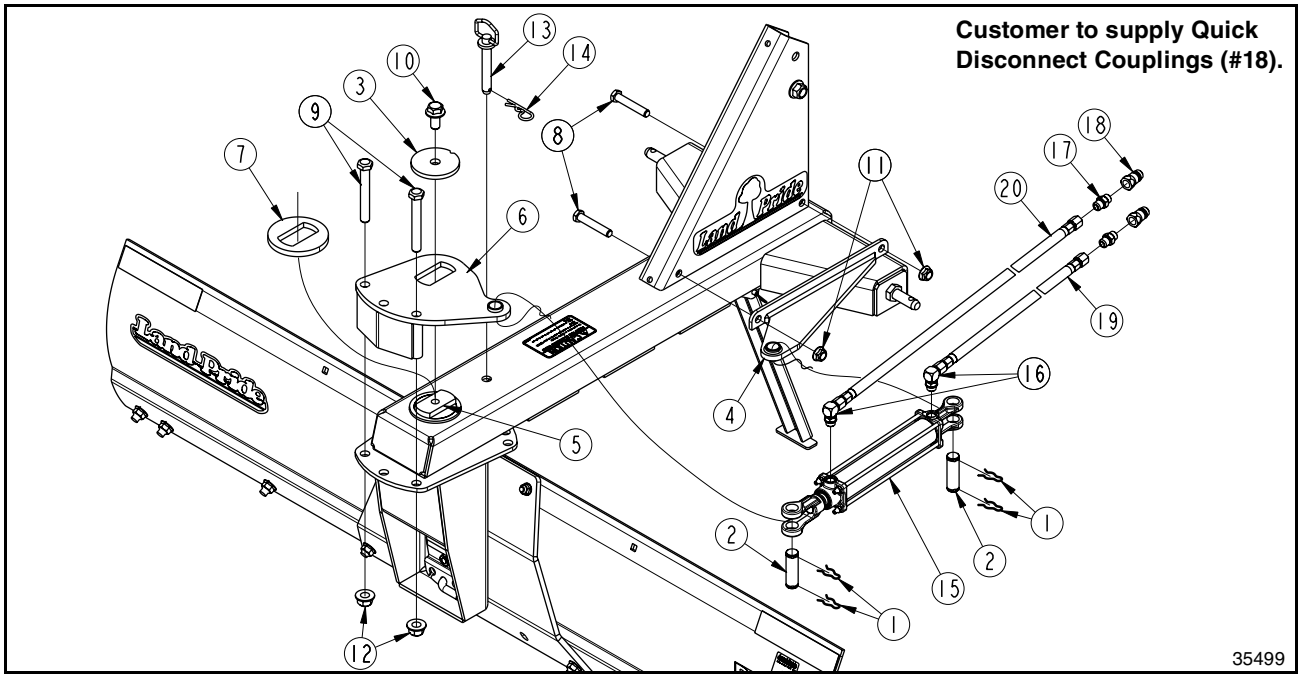
To avoid serious injury or death:

Do not remove hardware securing blade pivot cap without supporting underside of blade. The blade will fall if not supported.

1. Support rear blade by lowering unit to the ground. If unhooked from a tractor, make sure park stand is rotated down and secured.
2. With blade supported, unscrew cap screw (#10). Remove pivot cap (#3) and drive pivot cap (#7). Keep cap screw (#10) and pivot cap (#3) for reuse. Store drive pivot cap (#7). It will come in handy when reversing the blade. Refer to **"Hydraulic Blade Reversing"** on page 18
3. Attach hydraulic angle plate (#6) to blade pivot shaft (#5) with 3/4"-10 x 5 1/2" GR5 bolts (#9), hex flange top locknuts (#12), pivot cap (#3), and 3/4"-10 x 1 1/2" hex flange cap screw (#10). Tighten locknuts (#12) and hex flange cap screw (#10) to the correct torque.
4. Remove hairpin cotter (#14) and hitch pin (#13). Remove locknuts (#11) and bolts (#8). Store removed hardware with drive pivot cap (#7).
5. Attach front cylinder mount (#4) with new hex flange top locknuts (#11) and 1/2"-13 x 3 1/2" GR5 cap screws (#8). Tighten locknuts to the correct torque.
6. Attach adapter fittings (#16) to one end of hydraulic hoses (#19 & #20) and tighten.
7. Attach quick disconnect couplings (#18) to adapter fittings (#17) and tighten. (Customer to supply quick disconnect hydraulic couplings.)
8. Position hydraulic cylinder (#15) with ports on top and cylinder base to the front as shown. Screw 90° elbows (#16) into the cylinder ports and tighten facing forward as shown.
9. Attach short hydraulic hose (#19) to elbow (#16) at the cylinder base and tighten.
10. Attach long hydraulic hose (#20) to elbow (#16) at the cylinder rod end and tighten.

IMPORTANT: Attach cylinder base to the front cylinder mount. The base will interfere with the mainframe if attached to rear cylinder mount.

11. Attach base of hydraulic cylinder (#15) to front cylinder mount (#4) with clevis pin (#2) and hairpin cotters (#1). Make sure hydraulic ports are positioned on top and cylinder base is positioned to the front as shown.
12. Attach rod end of hydraulic cylinder (#15) to hydraulic angle plate (#6) with clevis pin (#2) and hairpin cotters (#1).



RB26 Series Hydraulic Blade Angling Accessory
Figure 2-2

RB16 & RB26 Skid Shoes

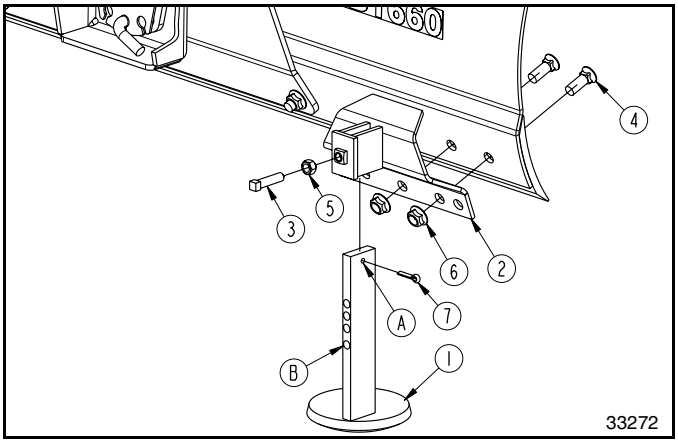
Kit Bundle (Pair of skid shoes)

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

Refer to Figure 2-3:

The skid shoes can be attached to both ends of the moldboard to help keep the cutting blade from damaging the surface being bladed.

1. Remove two 5/8"-11 x 1 3/4" GR5 plow bolts (#4) from end of blade. Keep hardware for reuse.
2. Attach skid shoe bracket (#2) to moldboard with 5/8"-11 x 1 3/4" GR5 plow bolts (#4) and hex flange locknuts (#6). Tighten nuts to the correct torque.
3. Make certain the edge with 4 dimples in the skid shoe slide bar are positioned to the back as shown. Insert skid shoe (#1) into bracket (#2).
4. Push skid shoe up until hole "A" is above bracket (#2) and insert hairpin (#7) in hole "A". Bend one or more legs of hairpin to keep it from falling out.
5. Screw 1/2" jam nut (#5) onto 1/2"-13 x 2" GR5 square head set screw (#3). Push up on skid shoe (#1) and screw set screw (#3) into bracket (#2) until tight against bottom dimple "B".
6. Tighten jam nut (#5) against bracket (#2).
7. Repeat steps 1 through 6 for the other side.



RB16 & RB26 Series Skid Shoes
Figure 2-3

RB26 End Plates

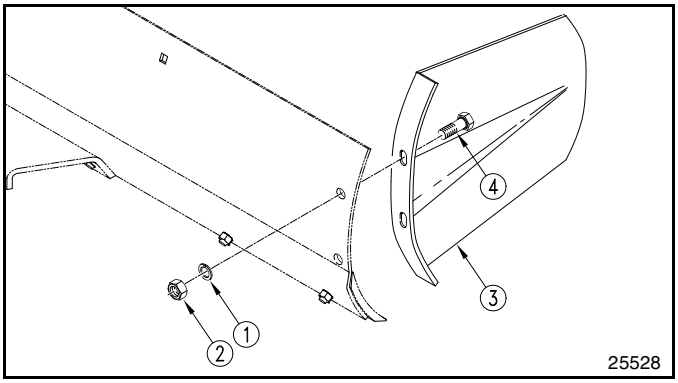
Kit Bundle (Pair of End Plates)

301-010A . . . . . .END PLATES

Refer to Figure 2-4:

The End Plates can be attached to both ends of the RB26 Series moldboard to help contain material while moving the material from one location to another.

1. Position end plate (#3) against moldboard with bottom of end plate flange approximately 1 1/4" up from bottom of blade cutting edge and side of end plate flange flush with right-hand end of moldboard.
2. Mark location of holes to be drilled on moldboard. Hole location should be located approximately center of slots in end plate flange.
3. Center punch and drill two 9/16" diameter holes in moldboard.
4. Attach right-hand end plate (#3) to moldboard as shown with two 1/2"-13 x 1 1/2" GR5 hex head cap screws (#4), spring lock washers (#1), and hex nuts (#2). Tighten hardware to correct torque.
5. Repeat step 1-4 for the left-hand end plate.



RB26 Series End Plate Assembly
Figure 2-4

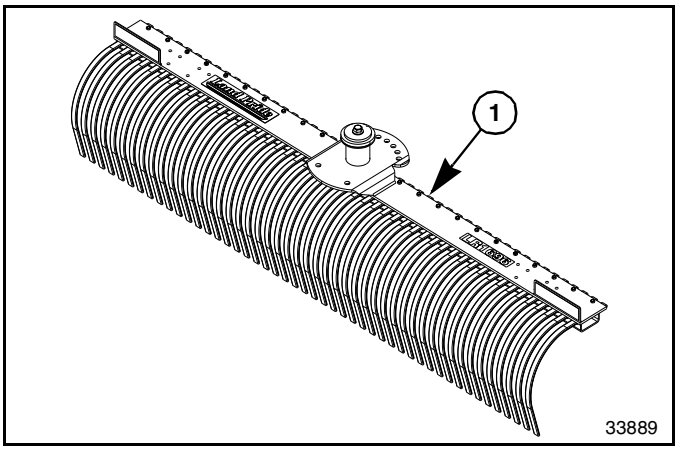
Rake Assemblies

Refer to Figure 1-1 on page 9:

1. Remove blade assembly (#5) from main frame (#2).

Refer to Figure 2-5:

2. Attach any one of the rake assemblies (#1) to the main frame (#2) shown in Figure 1-1 on page 9.



Rake Assembly (LR1696 Shown)
Figure 2-5

Kit Bundles For LR16 Series Rear Blades

302-278S . . . . . 60" LR16 SERIES RAKE ASSEMBLY
302-280S . . . . . 72" LR16 SERIES RAKE ASSEMBLY
302-287S . . . . . 84" LR16 SERIES RAKE ASSEMBLY
302-288S . . . . . 96" LR16 SERIES RAKE ASSEMBLY

Kit Bundles For LR26 Series Rear Blades

302-295S . . . . . 84" LR26 SERIES RAKE ASSEMBLY
302-296S . . . . . 96" LR26 SERIES RAKE ASSEMBLY

Blade Adjustments

There are 5 adjustments that can be made to the blade. They are blade pitch, angling, reversing, tilting, and offsetting. Most are done manually, Blade angling can be done hydraulically if Hydraulic Angling Kit is installed.

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 Rear Blade must be hitched to a tractor and raised off the ground several inches to make the following adjustments.

NOTE: Make certain hitch pin (#1) in Figure 3-2 is removed before operating hydraulic cylinder.

Blade Tilting

Refer to Figure 3-1:

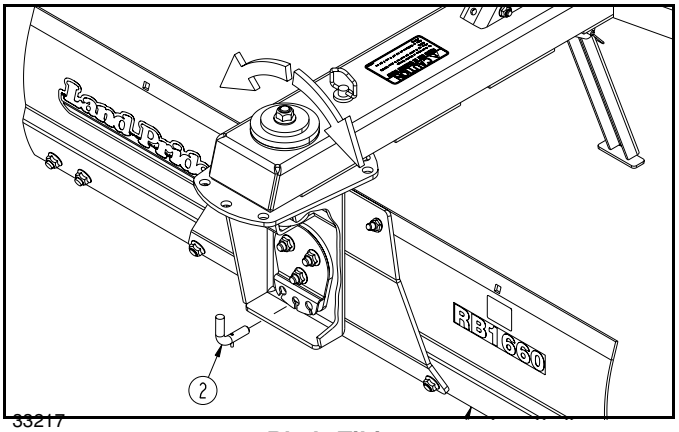
WARNING

To avoid serious injury or death:

Do not tilt blade when backfilling. Tilting the blade to backfill can result in lost of control and damage the unit.

Five holes are provided for tilting end of blade up or down by as much as 15 degrees in 7 1/2 degree increments.

1. The Rear Blade must be hitched to a tractor and raised off the ground high enough to make this adjustment.
2. Rotate handle of bent pin (#2) up and pull pin out.
3. Tilt blade to desired angle and reinsert bent pin. Rotate handle down to secure bent pin in place.



Blade Tilting
Figure 3-1

Blade Pitch

Refer to Figure 3-3 on page 17:

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.

Manual Angling

Refer to Figure 3-2:

Seven holes are provided for angling the blade up to 45° when traveling forward.

1. Remove hairpin cotter (#2) from hitch pin (#1) and pull hitch pin from mainframe hole.
2. Rotate blade to desired angle and reinsert hitch pin (#1) into hole in mainframe and hole in turntable.
3. Secure hitch pin (#1) with hairpin cotter (#2).

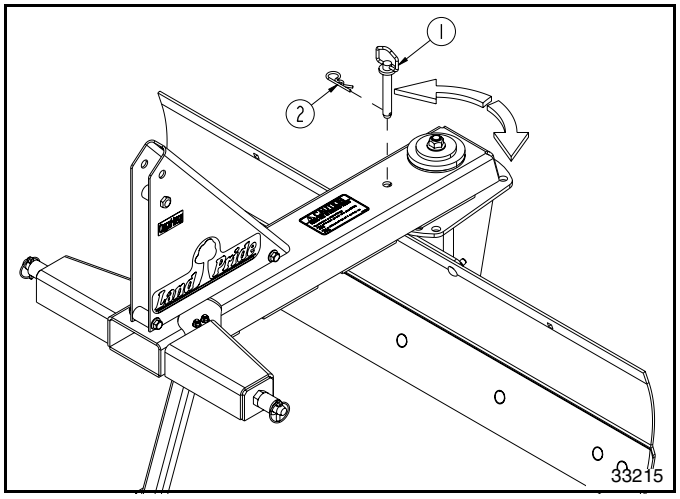
Manual Reversing

Refer to Figure 3-2:

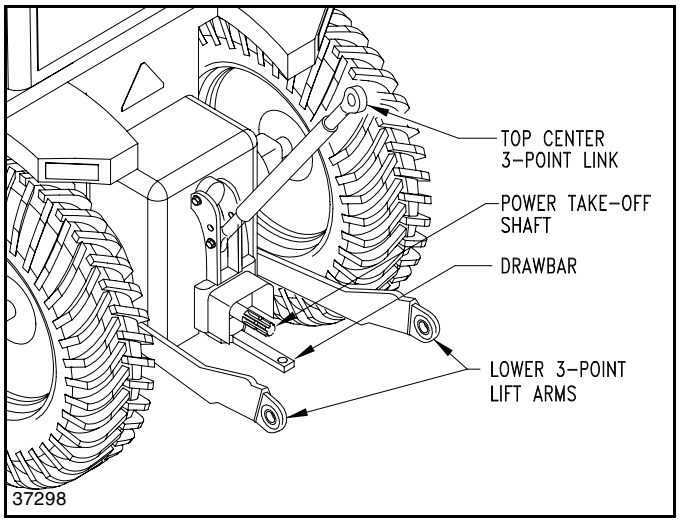
Three holes are provided for angling the blade up to 30° when traveling in reverse.

NOTE: Blade may need tilting to clear park stand when reversing blade.

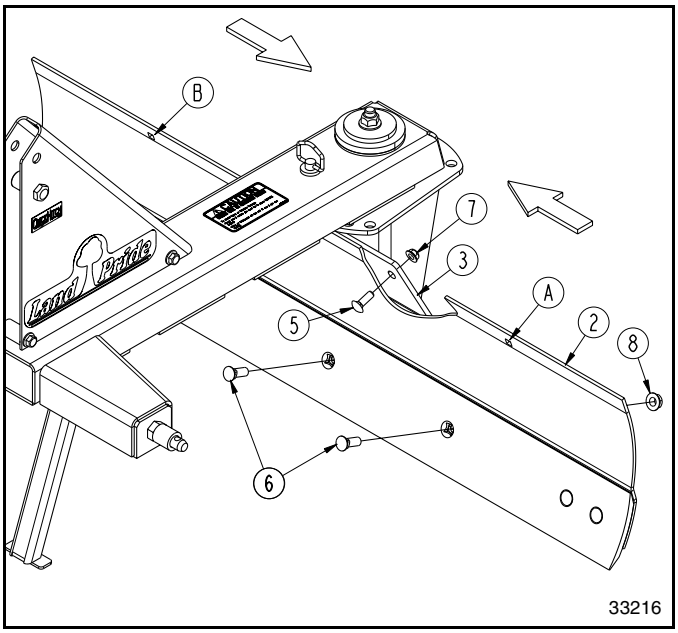
1. Pull hairpin cotter (#2) from hitch pin (#1) and hitch pin from mainframe hole.
2. Rotate blade 180° and reinsert hitch pin (#1).
3. Secure hitch pin (#1) with hairpin cotter (#2).



Blade Angling
Figure 3-2



Tractor 3-Point Hitch
Figure 3-3



Blade Offsetting
Figure 3-4

Blade Offsetting

Refer to Figure 3-4:

The blade may be offset 12" right or left by unbolting moldboard (#1) from moldboard mount (#2) and rebolting it using alternate holes “A” or “B” depending on which direction the blade is being offset.

1. Remove two carriage bolts (#3) and three 1 3/4" long plow bolts (#4) from center of moldboard (#1) and moldboard mount (#2).
2. On side to be shortened, remove 1 1/2" long plow bolt (#4) 12" from removed 1 3/4" long plow bolts.
3. Shift moldboard (#1) 12" to the right or left & reattach it to moldboard mount (#2) with 1/2"-13 x 1 1/2" GR5 carriage bolts (#3), hex flange locknuts (#5), 5/8"-11 x 1 3/4" plow bolts (#4), and hex flange locknuts (#6). Tighten locknuts to the correct torque.
4. Install 5/8"-13 x 1 1/2" plow bolt (#4) in the remaining hole and secure with hex flange locknut (#6). Tighten locknut to the correct torque.

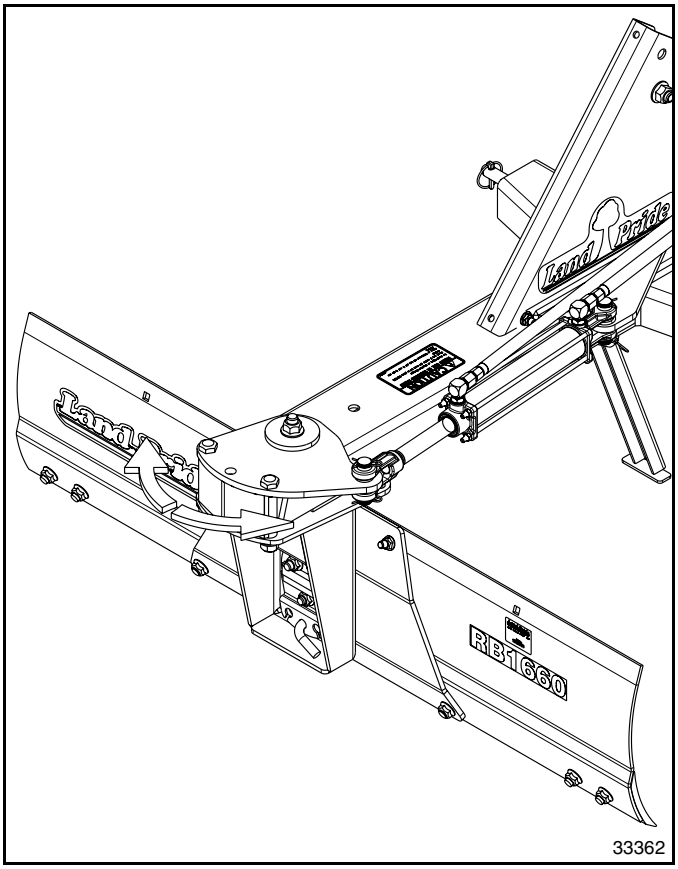
Hydraulic Angling

Refer to Figure 3-5:

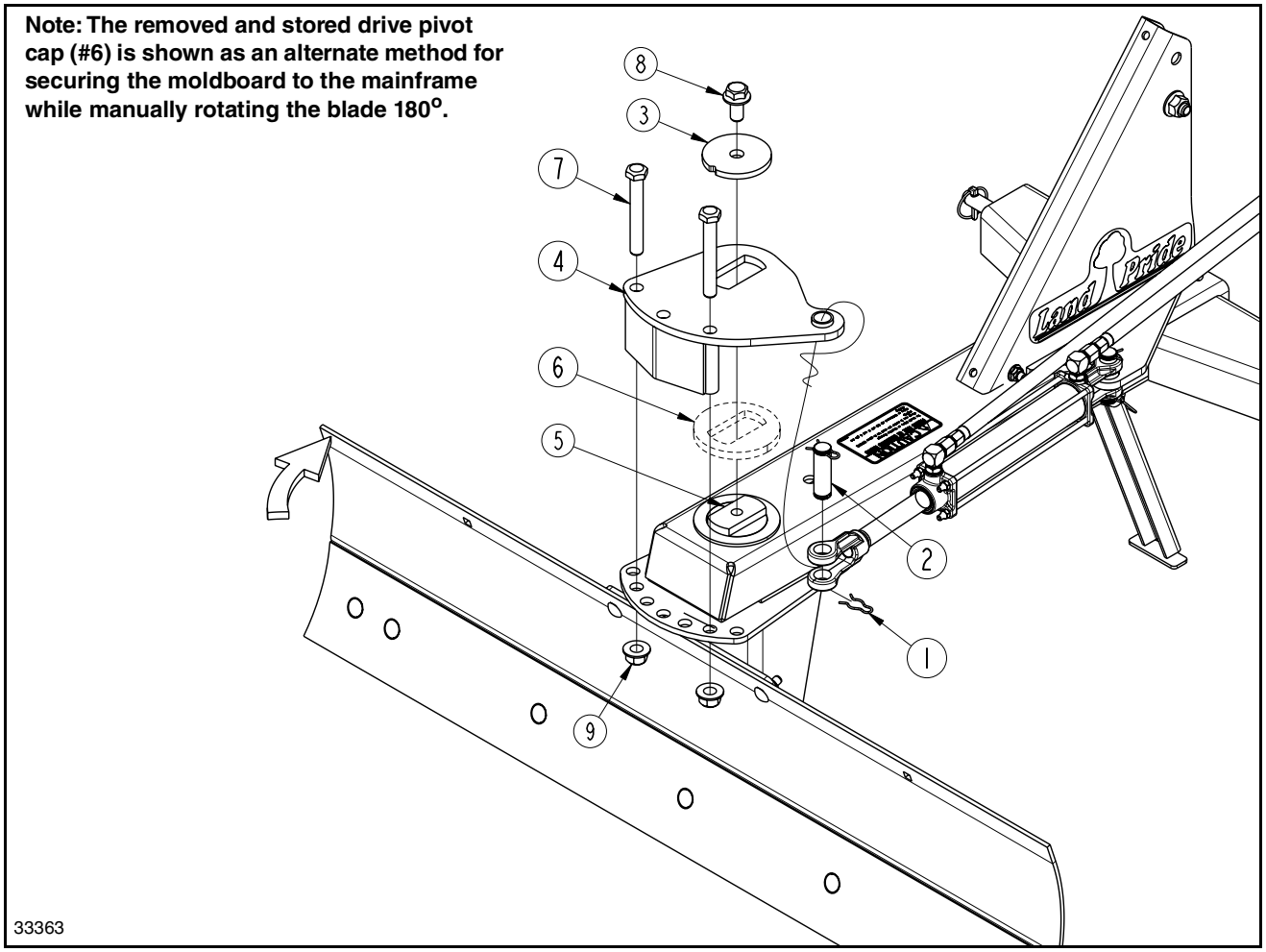
A **“RB16 or RB26 Series Hydraulic Angling Kit”** must be installed to angle blade hydraulically.

See **“RB16 Series Hydraulic Angling Kit”** on page 13.
See **“RB26 Series Hydraulic Angling Kit”** on page 14.

1. Mover tractor control lever forward to retract hydraulic cylinder and rearward to extend hydraulic cylinder.
2. If cylinder operates in the opposite direction, switch quick disconnect couplings at the duplex outlet.



Hydraulic Blade Angling
Figure 3-5



Blade Reversing With Hydraulics Attached
Figure 3-6

Hydraulic Blade Reversing

Refer to Figure 3-6:

The Blade can be manually rotated 180° for backfilling and then angled while in reverse position with hydraulics.

1. Lower blade until it is resting on the ground.
2. Remove hairpin cotter (#1) and clevis pin (#2).
3. Remove cap screw (#8) and pivot cap (#3),
4. Remove locknuts (#9), bolts (#7), and hydraulic angle plate (#4).

NOTE: The stored drive pivot cap (#6) can be used in lieu of hydraulic angle plate (#4) in step 5 below.

5. Turn hydraulic angle plate (#4) upside down and attach it or the stored drive pivot cap (#6) to blade pivot shaft (#5) with pivot cap (#3) and cap screw (#8). Draw hex flange cap screw up snug, do not tighten at this time.
6. With tractor 3-point, raise blade up, rotate blade 180°, and then lower blade until on the ground.
7. Remove hex flange cap screw (#8), pivot cap (#3), and hydraulic angle plate (#4) or drive pivot cap (#6).
8. Turn hydraulic angle plate (#4) upright and reattach it to blade pivot shaft (#5) with 3/4"-10 x 5 1/2" GR5 bolts (#7) and locknuts (#9). Draw locknuts up snug, do not tighten at this time.
9. Attach pivot cap (#3) to hydraulic angle plate (#4) with 3/4"-10 x 1 1/2" hex flange cap screw (#8).
10. Tighten hex flange cap screw (#8) and locknuts (#9) to the correct torque.
11. Attach hydraulic cylinder to hydraulic angle plate (#5) with clevis pin (#2) and secure with hairpin clip (#1).

Operating Checklist

Hazard control and accident prevention are dependent upon the awareness, concern, prudence, and proper training involved in the operation, transport, maintenance, and storage of the Rear Blade. Therefore, it is absolutely essential that no one operates the 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: Accessory Equipment Set-Up**, page 13
- **Section 3: Adjustments**, page 16
- **Section 4: Operating Procedures**, page 19
- **Section 5: Maintenance & Lubrication**, page 23

Perform the following inspections before using your Rear Blades.

Operating Checklist

✔	Check	Page
	Make sure all safety labels are in their proper location and in good readable condition.	4
	Check 3-point hook-up procedure. Be sure all pins have been installed and are secured.	11
	Check hydraulic fittings and hoses for leaks with a board or cardboard. Do not use your hands. Make sure all connections are tight and in good working condition. Replace all fittings and hoses that are worn or damaged.	13
	All blade adjustments have been made and pins have been installed and are secured.	16
	The operator has read and understood how to operate the blade.	16
	Read and follow all Lubrication Instructions. Refer to the section on "Lubrication Points".	24
	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.	28
	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 pivot and tilt retaining hardware is tightened to the correct torque. The moldboard can fall from the its pivot mount or tilt mount if retaining hardware is loose or missing.*
- *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 the implement as this can damage property and cause the tractor to pivot violently resulting in loss of control.*
- *Do not use blade tilt to raise tractor tires off the ground. Improper use of the Rear Blade can damage the unit. The hydraulic system can burst and drop the tractor.*

WARNING

To avoid serious injury or death:

- *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.*
- *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.*
- *Hydraulic fluid under high pressure can penetrate the skin and/or eyes causing a serious injury. Wear protective gloves and safety glasses or goggles when working with hydraulic systems. Use a piece of cardboard or wood rather than hands when searching for leaks. A doctor familiar with this type of injury must treat the injury within a few hours or gangrene may result. DO NOT DELAY.*
- *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.*
- *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.*
- *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 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.*
- *Avoid catching hydraulic hoses on brush, posts, tree limbs, and other protrusions that could damage and/or break them.*
- *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.*
- *Avoid catching hydraulic hoses on brush, posts, tree limbs, and other protrusions that could damage and/or break them.*
- *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.*
- *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. Carefully raise and lower implement to ensure drawbar, tires, and other equipment on the tractor do not contact the Rear Blade.
3. Carefully pivot blade clockwise to align end of moldboard with left tractor tire. Raise and lower implement to ensure tractor tire and tractor do not contact end of blade.
4. Carefully pivot blade counterclockwise to align end of moldboard with right tractor tire. Raise and lower implement to ensure tractor tire and tractor do not contact end of blade.
5. Inspect Hydraulic hoses for wear, damage and hydraulic leaks. See **"Avoid High Pressure Fluids Hazard"** on page 3. Replace damaged and worn hoses with genuine Land Pride parts.

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 tractor as follows:

1. Park on a level solid hard surface. Place tractor gear selector in park and set park brake.
2. Rotate park stand down and secure with wire retaining pin. Make sure retainer is hooked over pin.
3. Lower blade and park stand onto level ground or onto blocks supporting the unit just above ground.
4. Shut tractor engine off and remove key.
5. If hydraulic cylinder(s) are included, move hydraulic control lever(s) back and forth several times to relive hydraulic pressure and then unhook couplings from tractor duplex outlet(s). Store couplings on the Rear Blade frame to keep couplings up out of the dirt.
6. If needed, adjust length of upper center 3-point link until hitch pin can be removed from hitch frame.
7. Remove linchpins from lower hitch pins and slide lower 3-point arms off of the hitch pins.
8. Reinstall hitch pins, linchpins and hairpin cotters in the Rear Blade hitch frame for storage.
9. Refer to **"Storage"** instructions on page 23 if Rear Blade is being stored 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 the implement as this can damage property and cause the tractor to pivot violently resulting in loss of control.

WARNING

To avoid serious injury or death:

- *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.*
- *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.*
- *Transport with implement centered behind the tractor. An implement offset to one side can extend beyond the tractor tire which creates a 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.*

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.
4. Be sure to reduce ground speed when turning and leave enough clearance so that the blade does not contact obstacles such as buildings, trees, or fences.
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. 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 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 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 end of blade is 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 to keep from hitting an obstruction. Never hit an obstruction as this can damage the blade and/or obstruction.

Ditch Work

The Rear Blade is good for making V-type ditches. Tilt one end of the moldboard down to the desired ditching angle. Offset that end to be in line with the tractor's rear tire and pivot the other end of the moldboard back away from the tractor's other rear tire. The combined offset angle and pivot angle should be between 45^{o} and 60^{o}.

Operate the tractor at slow speeds when cleaning a ditch or removing snow. Be careful not to hit hidden solid objects that can damage the Rear Blade. Always be ready to stop immediately. Remember, the lighter the blade load, the easier it is for the tractor to damage the blade when hitting solid objects.

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

Backfilling

WARNING

To avoid serious injury or death:

Do not tilt blade when backfilling. Tilting the blade to backfill can result in lost of control and damage the unit.

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 tractor's center top link until the blade will move across the top of the ground without forcing itself into the soil, adjust offset to be straight behind the tractor and set blade angle at 90° (perpendicular to the Mainframe). Keep 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 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 positions before lowering blade to the ground.
4. Lower blade to 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 operations checklist, and properly attached your Land Pride Rear Blade to your tractor, you are almost ready to begin work. Hopefully you have checked out your work site for any buried utility cables, pipelines, sprinkler heads, or other obstacles that you wouldn't want to damage or encounter. Grade stakes should now be in place if you intend to develop a specific grade, elevation, soil contour, or roadbed crown.

The Rear Blade's primary purpose is for grading or 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. Develop a plan to achieve your expected results. Set the blade up at the proper angle or angles to do the job. This may require some experimentation to achieve the desired results. Lower 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 blade angle set at 90 degrees, you may need to raise the blade slightly so that the dirt or gravel can flow out evenly under the blade while effectively shaving off high spots and filling in potholes or depressions. Skid shoes on the Rear Blade can help maintain a consistent blade height.

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 foundation, abutment, or raised curb, you my want to offset the blade so that the outside edge is beyond the outer edge of the tractor tire. Back-filling 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 back-filling as load forces on the blade and frame increase while backing-up.

If you are performing construction of soil contours or waterways, you will probably need to set a tilt angle on the blade to achieve the desired effect. If you are grading or cutting a new ditch bank or forming a road crown, you will probably want to offset the blade in combination with setting an appropriate tilt angle. This again will likely require some experimentation to gain desired results. 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 Rear Blade operator and consistently achieve the desired results you expect with your Land Pride RB16 Series or RB26 Series Rear Blade.

See **"Specifications & Capacities"** on page 25 and **"Features & Benefits"** on page 26 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 effect 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 pivot and tilt retaining hardware is tightened to the correct torque. The moldboard can fall from the its pivot mount or tilt mount if retaining hardware is loose or missing.*

WARNING

To avoid serious injury or death:

- *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.*
- *Hydraulic fluid under high pressure can penetrate the skin and/or eyes causing a serious injury. Wear protective gloves and safety glasses or goggles when working with hydraulic systems. Use a piece of cardboard or wood rather than hands when searching for leaks. A doctor familiar with this type of injury must treat the injury within a few hours or gangrene may result. DO NOT DELAY.*
- *Allow only persons to perform maintenance on this implement who have been properly trained in its safe operation.*
- *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 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 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 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.Replace all damaged or missing decals.

Land Pride Aerosol Touch-up Paint

Part No.	Part Description
821-011C	PAINT LP BEIGE SPRAY CAN
821-058C	PAINT GREEN SPRAY CAN
821-066C	PAINT ORANGE SPRAY CAN
821-070C	PAINT GP GLOSS BLACK SPRAY CAN

4. Lubricate as noted in **"Lubrication Points"** starting on page 24.
5. A coating of oil or grease may be applied to the moldboard and blade to minimize oxidation.
6. Store Rear Blade on a level surface in a clean, dry place. Inside storage will reduce maintenance and increase the life of the unit.
7. Follow all unhooking instructions on page 20 when disconnecting tractor from the Rear Blade.

Ordering Replacement Parts

Land Pride offers equipment in factory standard Beige with black highlights. This implement may also be purchased in Orange, Green, or Red.

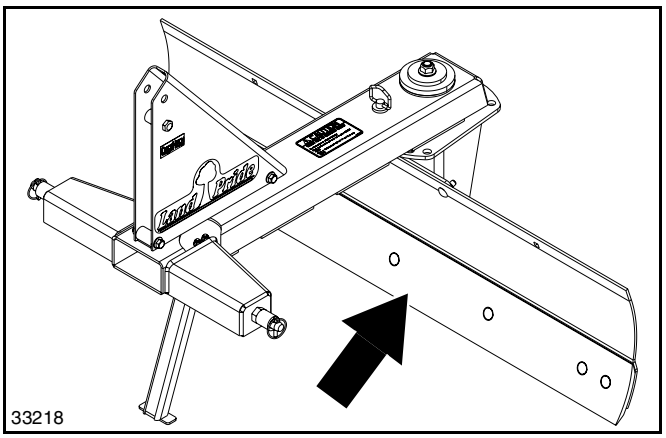
When ordering an optional color, the suffix number corresponding to the color must be added at the end of the part number. Parts ordered without the suffix number will be supplied in factory standard colors.

81 . . . . . Green
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							
	Multi-purpose spray lube		Multi-purpose grease lube		Multi-purpose oil lube	50 Hrs	Intervals in hours at which lubrication is required



Seasonally

Moldboard and Blade

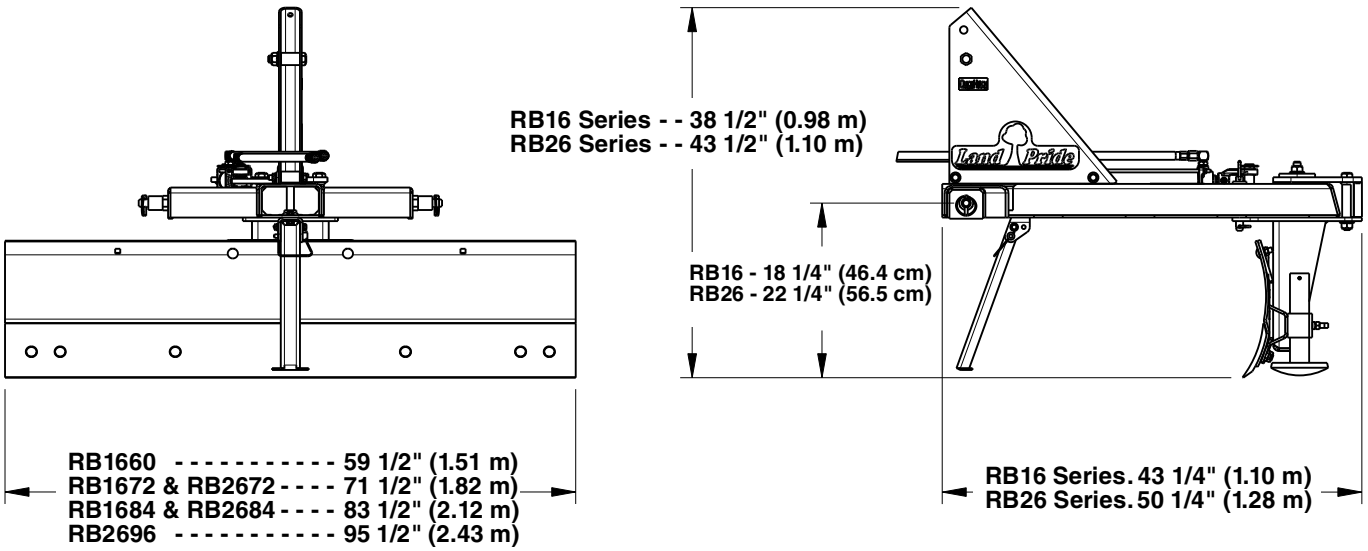
Grease moldboard and blade when storing for an extended period of time.

Type of Lubrication: Multi-Purpose

Quantity = Coat Generously

RB16 & RB26 Series

Specifications & Capacities						
Series	**RB16 Series**			**RB26 Series**		
Model Numbers	**RB1660**	**RB1672**	**RB1684**	**RB2672**	**RB2684**	**RB2696**
Blade Width	60" (1.52 m)	72" (1.83 m)	84" (2.13 m)	72" (1.83 m)	84" (2.13 m)	96" (2.44 m)
Approximate Weight	283 lbs (128.4 kg)	297 lbs (134.7 kg)	319 lbs (144.7 kg)	369 lbs (167.4 kg)	396 lbs (179.6 kg)	425 lbs (192.8 kg)
Horsepower Rating	20-40 hp (14.9-29.8 kw)			25-60 hp (18.6-44.7 kw)		
Moldboard Height	14" (35.6 cm)			17 1/2" (44.5 cm)		
Moldboard Thickness	1/4" (6 mm)			5/16" (8 mm)		
Hitch Type	Cat. I Fits Land Pride Quick Hitch					
Blade Angle	7 Forward positions up to 45° clockwise and counterclockwise 3 Reverse positions up to 30° clockwise and counterclockwise					
Blade Offset	12" (30.5 cm) left or right					
Blade Tilt	5 Positions; maximum 15° up and 15° down in 7 1/2° increments					
Cutting Edge	1/2" x 6" (1.3 cm x 15.2 cm) Heat treated, replaceable & reversible (double bevel)					
Park Stand	Folding					
Accessories	Side plates not available			Side plates		
	Skid Shoes					
	Rake assemblies Available in 60", 72", 84", & 96" (1.52 m, 1.83 m, 2.13 m, & 2.44 m) working widths			Rake assemblies Available in 84" & 96" (2.13 m & 2.44 m) working widths		
	Hydraulic Angling					



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RB16 & RB26 Series

Features	Benefits
Warranty	One year parts & labor. See warranty page for complete details.
RB16 working widths (60", 72", 84") **RB26 working widths (72", 84", 96")**	Choice of three sizes per Series to pick from.
20-40 hp rating for RB16 Series **25 - 60 hp for RB26 Series**	RB16 Series fits a wide variety of small tractors between 20 & 40 hp. RB26 Series fits a wide variety of small tractors between 25 & 60 hp.
Quick Hitch	Fits Land Pride Quick Hitch.
Blade angles left and right up to 45^{o} in forward position and 30^{o} in reverse position	(7 Forward positions in 15^{o} increments and 3 reverse positions in 30^{o} increments) Many angles for diverse jobs and results.
Blade offsets left or right 12"	Manually move moldboard to cover either tractor tire.
Blade tilts up or down up to 15^{o}	(5 positions: Center, 2 clockwise, and 2 counterclockwise) Allows operator to do simple tasks such as putting a crown in the middle of a road to making V-type ditches.
Formed rolled moldboard **RB16 Series (14" high moldboard)** **RB26 Series (17 1/2" high moldboard)**	Rolled moldboard allows material to flow easily, which means less drag, less hp. 14" High moldboard for good capacity. 17 1/2" High moldboard for excellent capacity.
Reversible cutting edge	For twice the life.
Park stand	Store unit with front of hitch off the ground, allows for easier hook-up.
End plates (Accessory)	End plates hold material in to be moved.
Skid shoes (Accessory)	Help protect from hitting low obstructions by keeping the cutting edge off the ground. Set skid shoes to clear obstructions like manhole covers and street cracks.
Rake assembly (Accessory)	The blade assembly can be removed from the main frame and a rake assembly attached to give the Land Pride Rear Blade versatility.
Hydraulic angling (Accessory)	Makes rotating blade angle horizontally easy with infinite number of angles available between 0^{o} and 45^{o} clockwise and counterclockwise.

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 straight.
	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	Moldboard retaining bolt is missing.	Check moldboard pivot bolt daily. Make sure it is properly tightened. Apply loctite if it keeps coming loose. Replace missing bolt.

Torque Values Chart for Common Bolt Sizes

Bolt Size (inches)	Bolt Head Identification Grade 2		Grade 5		Grade 8	
in-tpi [1]	N · m [2]	ft-lb [3]	N · m	ft-lb	N · m	ft-lb
1/4" - 20	7.4	5.6	11	8	16	12
1/4" - 28	8.5	6	13	10	18	14
5/16" - 18	15	11	24	17	33	25
5/16" - 24	17	13	26	19	37	27
3/8" - 16	27	20	42	31	59	44
3/8" - 24	31	22	47	35	67	49
7/16" - 14	43	32	67	49	95	70
7/16" - 20	49	36	75	55	105	78
1/2" - 13	66	49	105	76	145	105
1/2" - 20	75	55	115	85	165	120
9/16" - 12	95	70	150	110	210	155
9/16" - 18	105	79	165	120	235	170
5/8" - 11	130	97	205	150	285	210
5/8" - 18	150	110	230	170	325	240
3/4" - 10	235	170	360	265	510	375
3/4" - 16	260	190	405	295	570	420
7/8" - 9	225	165	585	430	820	605
7/8" - 14	250	185	640	475	905	670
1" - 8	340	250	875	645	1230	910
1" - 12	370	275	955	705	1350	995
1-1/8" - 7	480	355	1080	795	1750	1290
1-1/8" - 12	540	395	1210	890	1960	1440
1-1/4" - 7	680	500	1520	1120	2460	1820
1-1/4" - 12	750	555	1680	1240	2730	2010
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

Bolt Size (Metric)	Bolt Head Identification 5.8 Class 5.8		8.8 Class 8.8		10.9 Class 10.9	
mm x pitch [4]	N · m	ft-lb	N · m	ft-lb	N · m	ft-lb
M 5 X 0.8	4	3	6	5	9	7
M 6 X 1	7	5	11	8	15	11
M 8 X 1.25	17	12	26	19	36	27
M 8 X 1	18	13	28	21	39	29
M10 X 1.5	33	24	52	39	72	53
M10 X 0.75	39	29	61	45	85	62
M12 X 1.75	58	42	91	67	125	93
M12 X 1.5	60	44	95	70	130	97
M12 X 1	90	66	105	77	145	105
M14 X 2	92	68	145	105	200	150
M14 X 1.5	99	73	155	115	215	160
M16 X 2	145	105	225	165	315	230
M16 X 1.5	155	115	240	180	335	245
M18 X 2.5	195	145	310	230	405	300
M18 X 1.5	220	165	350	260	485	355
M20 X 2.5	280	205	440	325	610	450
M20 X 1.5	310	230	650	480	900	665
M24 X 3	480	355	760	560	1050	780
M24 X 2	525	390	830	610	1150	845
M30 X 3.5	960	705	1510	1120	2100	1550
M30 X 2	1060	785	1680	1240	2320	1710
M36 X 3.5	1730	1270	2650	1950	3660	2700
M36 X 2	1880	1380	2960	2190	4100	3220

[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.

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 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 must be made to the dealer which originally sold the product and all warranty adjustments must be made through such 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 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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