Rear Blades
RBT4084, RBT4096 & RBT40108

301-206M
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 10/29/20
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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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.
Important Safety Information

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.

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.

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.

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.

![Safety Alert Symbol](image-url)
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.

### 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.

### 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.

### 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.
Important Safety Information

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 cannot 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.
- Be aware of and follow OSHA (or other local, State, or Federal) guidelines for exposure to airborne crystalline silica.
- 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.
Safety Labels

Your 3-Way 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 on the surface where the label is to be placed.
   c. Peel backing from label. Press firmly onto the surface.
   d. Squeeze out air bubbles with the edge of a credit card or with a similar type straight edge.

---

**818-339C**
Warning: High Pressure

**838-293C**
Warning: Read Operators Manual

**818-487C**
Danger Avoid Injury
Important Safety Information

Table of Contents

![CAUTION]

**CAUTION**

FALLING MOLDBOARD HAZARD
To Avoid Injury or Machine Damage:
- Tilt pin and pivot shaft must be in place and secured with bolts and lockwashers before angling.
- Moldboard will fall off if bolt(s) and lockwashers are missing.

![WARNING]

**WARNING**

PINCHING OR SHEARING HAZARD
To Prevent Serious Injury or Death:
- Keep hands and fingers away from adjusting holes.
- Keep others away.

818-491C
Warning Pinch/Shear

838-075C
Caution Moldboard Falling

838-614C
2" x 9" Red Reflector (2 places)

838-615C
2" x 9" Amber Reflector (Front Left Side on RBT40108 Only)
Introduction

Land Pride welcomes you to the growing family of new product owners. This 3-Way 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 machine.

Application

The Land Pride RBT40 Series 3-Way Hydraulic Rear Blades are built from the ground up for applications ranging from landscaping, construction, snow removal, and feedlot cleaning. This blade is also ideal for ditching, road grading, and all-around farm use.

The RBT40 Series Rear Blades are designed for Category I or II 3-Point hitch mounting, attachment to tractors in the 65 to 100 hp range, and are Quick Hitch compatible. The blade with its reversible cutting edge can be angled left or right up to 45°, the ends can be tilted up or down by as much as 15° and the whole blade can be offset to the left or right by as much as 30°. The blade can also be rotated 180° for blading in reverse with same angling, tilting, and offset capabilities. A retractable parking stand is included to accommodate easier blade removal, storage, and reattachment.

Available options are manual or hydraulic angling, offsetting, and tilting. Accessories includes end plates for holding material and skid shoes for blade protection.

See “Specifications & Capacities” on page 27 and “Features and Benefits” on page 28 for additional information and performance enhancing options.

Using This Manual

• This Operator’s Manual is designed to help familiarize you with safety, assembly, operation, adjustments, troubleshooting, and maintenance. Read this manual and follow the recommendations to help ensure safe and efficient operation.

• The information contained within this manual was current at the time of printing. Some parts may change slightly to assure you of the best performance.

• To order a new Operator’s or Parts Manual, contact your authorized dealer. Manuals can also be downloaded, free-of-charge, from our website at www.landpride.com

Terminology

“Right” or “Left” as used in this manual is determined by 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 3-Way 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.

Further Assistance

Your dealer wants you to be satisfied with your new 3-Way 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

lpservicedept@landpride.com
Section 1: Assembly & Set-Up

Tractor Requirements

Weight & Horsepower
Tractor rating should be between 65 - 100 horsepower. Tractors outside this range must not be used.

Weight

⚠️ 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 weight must be capable of controlling the 3-Way Rear Blade under all operating conditions. An underweight tractor is difficult to steer. Do not use tractors that are too light. See Important Note Below.

3-Point Hitch Assembly
A 3-Point Category I or II hitch is required. The lower 3-Point arms of the 3-Point hitch must be stabilized to prevent side-to-side movement. Most tractors have sway blocks or adjustable chains for this purpose.

Hydraulic Outlets

⚠️ WARNING
To avoid serious injury or death:
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.

The number of required hydraulic duplex outlets at the tractor is dependent upon how the 3-Way Rear Blade is set-up.

• No outlets are required if the 3-Way Rear Blade is set-up with manual links and ratchet jackets only.

• One to three duplex outlets are required if the 3-Way Rear Blade is set-up with any one or more of the following hydraulic cylinders; Offset Cylinder, Tilt Cylinder, and Angle Cylinder. Each cylinder will require a duplex outlet at the tractor.

A Selector Valve Kit may be purchased through your local Land Pride dealer if your tractor does not have the required number of duplex outlets. The selector valve provides a way to operate 2 hydraulic cylinders through one duplex outlet at the tractor. See “Hydraulic Selector Valve” on page 16 for Kit Part No. and assembly instructions.

Torque Requirements
See “Torque Values Chart” on page 30 to determine correct torque values when tightening hardware.

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

1. Reduce engine speed and disengage power take-off if engaged.
2. Park tractor and implement on level, solid ground.
3. Lower implement to ground or onto non-concrete support blocks.
4. Put tractor in park or set park brake, turn off engine, and remove switch key to prevent unauthorized starting.
5. Relieve all hydraulic pressure to auxiliary hydraulic lines.
6. Wait for all components to come to a complete stop before leaving the operator’s seat.
7. Use steps, grab-handles and anti-slip surfaces when stepping on and off the tractor.
Assembly & Set-Up Safety

**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.
- 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:
Do not remove shipping block from blade tilt housing until after all manual links, ratchet jack, and/or hydraulic cylinders have been installed and cylinders have been charged with oil.

RBT40 Rear Blade

Refer to Figure 1-1:
1. On a level surface, remove and separate 3-Way Rear Blade components from the shipping crate.
2. With a lifting device, set blade pivot assembly (#8) upright.
3. Remove pivot bolt (#5), lock washer (#6), and pivot cap (#9) from blade pivot shaft (#8).
4. Rotate moldboard 90° to the main frame and insert blade pivot shaft (#8) into main frame (#2).
5. Reinstall pivot cap (#9), lock washer (#6), and 3/4"-16 x 1 3/4" GR5 hex head cap screw (#5). Tighten cap screw to the correct torque.
6. Remove wire pin (#10) and slide support stand (#11) all the way down. Reinstall wire pin.
7. Lower unit to ground and unhook from lifting device.
8. Remove cotter pin (#4) and pivot shaft (#3) from hitch frame (#1).
9. Attach hitch frame (#1) to a lifting device or to a tractor.
10. Insert pivot shaft (#3) through top hole in hitch frame, front hole in main frame (#2) and out through bottom hole in hitch frame. Secure pivot shaft with 1/4" x 2" cotter pin (#4).
11. Re-check all hardware for tightness. Torque all bolts to specifications as listed in the “Torque Values Chart” on page 30.
3-Point Hook-Up
Refer to Figure 1-2:

![Diagram of 3-Point & Quick Hitch Hook-Up](image)

**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 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:
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.

A 3-Point Category I or II hitch is required. The lower 3-Point arms of the 3-Point hitch must be stabilized to prevent side-to-side movement. Most tractors have sway blocks or adjustable chains for this purpose.

1. Shorten or remove tractor drawbar to keep it from interfering with the Rear Blade blade.
2. Ensure lower arms are stabilized to prevent excessive side movement.
3. Slowly back tractor up to the 3-Way Rear Blade while using 3-Point hydraulic control to align hitch holes in the lower arms with clevis pin holes on the implement.
4. Engage tractor park brake, shut engine off, and remove key before dismounting from tractor.
5. With tractor’s lower arms aligned and positioned in the clevises, insert hitch pins through clevis lugs and lower arm hitch holes. Secure hitch pins with linchpins.
6. Ensure lower arms are stabilized to prevent excessive side movement.
7. Raise support stand all the way up to transport position and secure in place with wire retaining pin.
8. Connect tractor’s top center link to the upper hitch mounting hole using customer supplied hardware:
   - Cat I hitch: Two step bushings and 3/4" clevis pin with linchpin. Step bushings are available through your nearest Land Pride dealer. Refer Figure 1-2 for step bushing part number.
   - Cat II hitch: 1" clevis pin and linchpin.
9. Return to tractor and slowly operate controls up and down to check for clearance. Make certain Rear Blade does not interfere with tractor hitch, tires, and drawbar. Move or remove the drawbar if it interferes.
10. Manually adjust one of the two lower lift arms up or down to level the Rear Blade from left to right.
11. Manually adjust the length of the top center link to level the Rear Blade from front to rear.
12. Check clearances after all offset, pivot, and tilt linkages have been installed. Refer to “Inspection After Hook-Up” on page 22.
Blade Offset Cylinder

Refer to Figure 2-1:

**WARNING**
To avoid serious injury or death:
Do not remove shipping block from blade tilt housing until after all manual links, ratchet jack, and/or hydraulic cylinders have been installed and cylinders have been charged with oil.

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

1. Position hydraulic cylinder (#3) with ports on top as shown. Select two 90 degree elbows (#4) and install them into the cylinder ports as shown. Tighten as needed.

2. Screw 78" long hydraulic hose (#6) onto elbow (#4) at the cylinder base and tighten.

3. Screw 87" long hydraulic hose (#5) into elbow (#4) located at the cylinder rod end and tighten.

4. Thread adapter fittings (#7) to the other end of the hydraulic hoses and tighten. (Customer to supply quick disconnect hydraulic couplings.)

5. Attach hydraulic cylinder to the lugs located on the left side of the Rear Blade with clevis pins (#1). Make sure hydraulic ports are positioned on top and the cylinder base is positioned to the front as shown.

6. Secure clevis pins with hair pin cotters (#2).

7. Route hoses through hose bracket located on the right side of the front hitch. Connect hoses to tractor’s hydraulic system.

**SHIPPING BLOCK**
DO NOT REMOVE UNTIL AFTER ALL HYDRAULIC CYLINDERS AND/OR RATCHET JACK AND MANUAL LINKS HAVE BEEN INSTALLED.

Hydraulic Blade Offsetting, Angling and Tilt

Figure 2-1

Customer to supply Quick Disconnect Couplings.
**Section 2: Set-Up of Options**

**Blade Angle Cylinder**
*Refer to Figure 2-2:*

**WARNING**
To avoid serious injury or death:
Do not remove shipping block from blade tilt housing until after all manual links, ratchet jack, and/or hydraulic cylinders have been installed and cylinders have been charged with oil.

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

1. Position hydraulic cylinder (#3) with ports on top as shown. Select two 90 degree elbows (#4) and install them into the cylinder ports as shown. Tighten as needed.

2. Screw 78" long hydraulic hose (#6) onto elbow (#4) at the cylinder base and tighten.

3. Screw 87" long hydraulic hose (#5) onto elbow (#4) at the cylinder rod end and tighten.

4. Thread adapter fittings (#7) to the other end of the hydraulic hoses and tighten. (Customer to supply quick disconnect hydraulic couplings.)

5. Attach hydraulic cylinder to the lugs on the right side of the frame with clevis pins (#1). Make sure hydraulic ports are positioned on top and the cylinder base in positioned to the front as shown.

6. Secure clevis pins with hair pin cotters (#2).

7. Route hoses through hose bracket located on the right side of the front hitch. Connect hoses to tractor’s hydraulic system.
Blade Tilt Cylinder
Refer to Figure 2-3:

1. Position hydraulic cylinder (#3) with ports on top as shown. Place orifice (#4) in the port hole at the rod end of cylinder. 

2. Select two 90 degree elbows (#5) and install them into the cylinder ports as shown. Tighten as needed.

3. Screw 129” long hydraulic hoses (#6) into the elbows (#5) and tighten.

4. Thread adapter fittings (#7) to the other end of the hydraulic hoses and tighten. (Customer to supply quick disconnect hydraulic couplings.)

5. Attach hydraulic cylinder (#3) to the lugs at the back of the blade with clevis pins (#1). Make sure hydraulic ports are positioned on the back and the cylinder base is mounted to the center lug as shown.

6. Secure clevis pins with hair pin cotters (#2).

7. Route hoses through hose brackets located on the main frame and hitch. Connect hoses to tractor's hydraulic system.

8. Remove shipping block at this time.

**WARNING**

To avoid serious injury or death:

Do not remove shipping block from blade tilt housing until after all manual links, ratchet jack, and/or hydraulic cylinders have been installed and cylinders have been charged with oil.

**IMPORTANT:** Attach cylinder base to the upper cylinder mount. The base will interfere with the moldboard if attached to the lower cylinder mount.

**SHIPPING BLOCK**

DO NOT REMOVE UNTIL AFTER ALL HYDRAULIC CYLINDERS AND/OR RATCHET JACK AND MANUAL LINKS HAVE BEEN INSTALLED.
Section 2: Set-Up of Options

Blade Angle Manual Link
Refer to Figure 2-4:

Kit Bundles
300-182A . . . . . . MANANUAL ANGLE LINK ASSEMBLY
300-182A . . . . . . MANANUAL OFFSET LINK ASSEMBLY
890-637C . . . . . . . . . . . RATCHET JACK 16.25 - 22.25

The manual links and ratchet jack may be used in place of the hydraulic cylinders.

⚠️ WARNING
To avoid serious injury or death:
Do not remove shipping block from blade tilt housing until after all manual links, ratchet jack, and/or hydraulic cylinders have been installed and cylinders have been charged with oil.

1. Attach manual angling links (#3 & #4) to the right side of the Rear Blade as shown with two 1" clevis pins (#1). Secure with hair pin cotters (#2).
2. Adjust blade angle by removing hitch pin (#5) and moving link (#3) to a different hole. Replace hitch pin and secure with hair pin cotter (#6).

Blade Offset Manual Link
Refer to Figure 2-4:

1. Attach manual offset links (#9 & #10) to the right side of the Rear Blade as shown with two 1" clevis pins (#7). Secure with hair pin cotters (#8).
2. Adjust frame offset by removing hitch pin (#11) and moving link (#9) to a different hole. Replace hitch pin and secure with hair pin cotter (#12).

Blade Tilt Ratchet Jack
Refer to Figure 2-4:

1. Attach ratchet jack (#13) to the back side of the Rear Blade as shown with two 1" clevis pins (#14). Secure with hair pin cotters (#15).
2. Adjust blade tilt by setting the lock on the ratchet lever and pumping the lever back and forth to raise one end of the blade higher than the other end. Reposition ratchet lock and pump lever back and forth to tilt blade in the opposite direction.
3. Remove shipping block after ratchet jack (#13) has been installed.
Hydraulic Selector Valve
Kit Bundle
301-188A . . . . . . HYDRAULIC SELECTOR VALVE
Allows operation of 3 cylinders using 2 duplex outlets.

Refer to Figure 3-1:
1. Using selector mount (#5) as a template, locate and drill two 7/16" diameter holes on the back side of hitch plate as shown.
2. Attach selector mount (#5), to the back side of the hitch with two 3/8"-16 x 1" GR5 hex head cap screws (#7), spring lock washers (#8), and hex nuts (#9). Tighten nuts to the correct torque.
3. Attach double selector valve (#6) to selector mount (#5) with two 3/8"-16 x 3" GR5 hex head cap screws (#10), spring lock washers (#8), and hex nuts (#9). Tighten nuts to the correct torque.
4. Apply teflon tape to the pipe threads of three 3/4 x 1/2 MNPT elbows (#3) and screw them into the double selector valve as shown. Tighten to the correct orientation.
5. Apply teflon tape to the threads of the three 3/4 JIC x 1/2 MNPT adapters (#1) and screw them into the double selector valve as shown until tight.
6. Attach three 3/4 JIC x 3/4 JIC elbows (#2) to the adapters (#1). Tighten to the correct orientation.
7. Attach frame offset hydraulic hoses (#11) to the elbows on the back side of the selector valve.
8. Attach hydraulic hoses (#12) from one of the other cylinders to the elbows on the front side of the selector valve.
9. Attach tractor connected hydraulic hoses (#4) to the top elbows.
10. Thread hydraulic couplings (couplings supplied by customer) onto hydraulic hoses (#4) and tighten.

Hydraulic Hoses Leading From the Frame Offset Cylinder

Hydraulic Hoses Leading From One of the Other Cylinders

RILL (2) - 7/16" DIA. HOLES

Hydraulic Hoses that Attached to the Tractor Duplex Outlets

Customer to supply Quick Disconnect Couplings.

Hydraulic Selector Valve Assembly
Figure 3-1
Hydraulic Cushion Valve
Kit Bundle for Cushion Valve & Hoses
301-208A . . . . . . . . . . . . . . . . . . For RBT4084 & RBT4096
301-187A . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . For RBT40108

⚠️ CAUTION
To avoid minor or moderate injury:
Do not operate Rear Blade with angling or offset cylinder fully extended. Fully extending either cylinder will keep cushion valves from operating correctly.

Refer to Figure 3-2:
1. Attach cushion valves (#1 & #2) to the mounting plate with 3/8”-16 x 4” GR5 hex head cap screw (#3), spring lock washer (#4), and hex hut (#5). Tighten hex nuts to the correct torque.

2. Screw all eight fittings (#6) into the cushion valves (#1 & #2) until tight.
3. Attach existing hydraulic hose (#7) to the right rear fitting of cushion valve (#2) as shown.
4. Attach existing hydraulic hose (#8) to the right front fitting of cushion valve (#1) as shown.
5. Attach existing hydraulic hose (#9) to the left rear fitting of cushion valve (#1) as shown.
6. Attach existing hydraulic hose (#10) to the left front fitting of cushion valve (#2) as shown.
7. Attach four new 48” long hydraulic hoses (#11) to the remaining fittings (#6).
8. Thread all hoses through hose retainer (#12).

Hydraulic Cushion Valve Assembly
Figure 3-2
Skid Shoes
Kit Bundle (Pair of skid shoes)
301-333A . . . . . . . . . . . . . . . . . . . . . . . . . SKID SHOE ASSEMBLY

Refer to Figure 3-3:
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 (#3) with 5/8"-11 x 1 3/4" GR5 plow bolts (#1), flat washers (#2), and hex flange locknuts (#4). Tighten hardware to the correct torque.
3. Insert skid shoe (#5) into skid shoe bracket (#3). Secure with bent pin (#6) and hairpin cotter (#7).
4. Repeat steps 1 through 3 for the other side.

End Plates
Kit Bundle (Pair of End Plates)
301-010A . . . . . . . . . . . . . . . . . . . . . . . . . END PLATES

Refer to Figure 3-4:
1. Attach right-hand side plate (#1) to the moldboard as shown with two 1/2"-13 x 1 1/2" GR5 hex head cap screws (#2), spring lock washer (#3) & hex nuts (#4). Tighten hardware to the correct torque.
2. Repeat step 1 for the left-hand side plate.
Safety First

**WARNING**
To avoid serious injury or death:
- Do not allow anyone to go near the blade while grading and operating the controls. A person can be crushed by the unit.
- Avoid injury from a falling blade. Always check to make sure all hardware is secured before adjusting the blade.
- 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.

Blade Pitch
Blade pitch can be adjusted by lengthening or shortening the tractor’s top center 3-Point link. Increasing the blade pitch will increase the blades digging ability.

The opposite is true if backfilling. Shorten the link to increase blade pitch.

Blade Angle and Reversing

Manual Angle Adjustment
Refer to Figure 2-4 on page 15:
- There are 15 blade angle positions up to 45 degrees left or right. (Center, 7 clockwise, and 7 counterclockwise positions.)
- Read and follow “Safety First” on this page before offsetting the blade.
- Adjust blade angle by removing hitch pin (#5) and moving inner link (#4) to a different hole position.
- Replace hitch pin and secure with hair pin cotter (#6).
- The blade may also be rotated around 180 degrees.
  a. Disconnect angling link from blade turntable lug.
  b. Rotate Rear Blade clockwise 180 degrees.
  c. Reconnect angling link to turntable lug.

Hydraulic Offset Adjustment
Refer to Figure 2-2 on page 13:
- Adjust blade angle with angling cylinder by as much as 45 degrees clockwise and counterclockwise.
  a. Disconnect angle cylinder from turntable lug.
  b. Rotate Rear Blade clockwise 180 degrees.
  c. Reconnect angle cylinder to turntable lug.

**IMPORTANT:** Make sure angling link is installed correctly before using the blade. If not the blade and/or angle cylinder can be damaged.

Hydraulic Angle Adjustment
Refer to Figure 2-2 on page 13:
- Adjust blade angle with angling cylinder by as much as 45 degrees clockwise and counterclockwise.
  a. Disconnect angle cylinder from turntable lug.
  b. Rotate Rear Blade clockwise 180 degrees.
  c. Reconnect angle cylinder to turntable lug.

**IMPORTANT:** Make sure angle cylinder is installed correctly before using the blade. If not, the blade and/or angle cylinder can be damaged.
Blade Tilt

Manual Tilt Adjustment

Refer to Figure 2-4 on page 15:
The blade end can be tilted manually by as much 15 degrees with the ratchet jack.

1. Read and follow “Safety First” on page 19 before tilting the blade.
2. Set ratchet lock and pump lever back and forth to raise one end of the blade higher than the other end.
3. Reposition ratchet lock and pump lever back and forth to tilt blade in the opposite direction.

Hydraulic Tilt Adjustment

Refer to Figure 2-3 on page 14:
The blade end can be tilted hydraulically with the tilt cylinder by as much as 15 degrees.

1. Read and follow “Safety First” on page 19 before tilting the blade.
2. If the tilt cylinder is controlled by the hydraulic selector valve, make certain the valve is set to operate that cylinder.
3. Operate tractor control lever to change blade tilt by as much as 15 degrees.
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 3-Way 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 Options**, page 12
- **Section 4: Adjustments**, page 19
- **Section 5: Operating Procedures**, page 21
- **Section 6: Maintenance & Lubrication**, page 25

Perform the following inspections before using your Rear Blade.

<table>
<thead>
<tr>
<th>Check</th>
<th>Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Make sure all safety labels are in their proper location and in good readable condition.</td>
<td>Page 6</td>
</tr>
<tr>
<td>Make sure there are no hydraulic leaks. Refer to “Avoid High Pressure Fluids Hazard”.</td>
<td>Page 3</td>
</tr>
<tr>
<td>Check 3-Point hook-up procedure. Be sure all pins have been installed and are secured.</td>
<td>Page 11</td>
</tr>
<tr>
<td>All blade adjustments have been made and pins have been installed and are secured.</td>
<td>Page 19</td>
</tr>
<tr>
<td>The operator has read and understood how to operate the 3-Way Rear Blade.</td>
<td>Page 21</td>
</tr>
<tr>
<td>Make sure tractor does not contact Rear Blade. Refer to “Inspection After Hook-Up”.</td>
<td>Page 22</td>
</tr>
<tr>
<td>Inspect work area for unforeseen objects. Refer to “Basic Operating Instructions”</td>
<td>Page 24</td>
</tr>
<tr>
<td>Read and follow all Lubrication Instructions. Refer to the section on “Lubrication Points”.</td>
<td>Page 26</td>
</tr>
<tr>
<td>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.</td>
<td>Page 30</td>
</tr>
<tr>
<td>Check tractor tire ratings. Make sure they are capable of supporting the equipment weight and that the air pressure is equal in all tires.</td>
<td>Tractor Manual</td>
</tr>
</tbody>
</table>

General Safety

**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.
- 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.
- 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.

**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.
- Never carry riders on the implement or power machine. Riders can obstruct the operator’s view, interfere with controls, be pinched by moving components, become entangled in rotating components, struck by objects, thrown about, fall off and be run over, etc.
- Hydraulic fluid under high pressure 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.
- 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.
- Do not hitch implement to a tractor rated outside the recommended horsepower range. Doing so can bend and/or break the implement.
- Do not allow anyone to go near the blade while grading and operating the controls. A person can be crushed by the unit.
- Do not use implement as a man lift or work platform. It is not properly designed or guarded for this use.
- Do not use implement to tow other equipment unless it is designed with a tow hitch. Doing so can result in loss of control and damage the equipment.
- 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.
Section 5: Operating Procedures

- 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.
  
- 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.
  
- 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.
  
- Never operate hydraulic cylinder(s) with blade in the ground or under load. Improper use can result in loss of control and damage the Rear Blade. Always lift blade up before operating hydraulic cylinder(s).
  
- 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.
  
- Never work near utilities such as gas lines, electrical lines, or other hazards that can cause serious injury or death from electrocution, explosion, or fire.
  
- 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.

**Transport With Rear Blade**

!!! 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:

- When traveling on public roadways, travel in such a way that faster moving vehicles may pass safely. Use accessory 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.
  
- 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.
  
- 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.

1. Do not operate a tractor that has weak or broken brakes or worn tires.

2. When traveling on roadways:
   - Transport with blade centered behind the tractor to minimize blade overhang.
   - Transport with blade facing forward so that the red decals face back and amber decal face front.
   - Transport in such a way that faster moving vehicles may pass you safely.
   - Slow down if traveling on a wet slick road.

3. Shift to a lower gear when traveling over rough or hilly terrain and when going downhill.

4. Leave enough clearance on both sides of the Rear Blade when traveling straight and making turns to keep blade from contacting obstacles such as buildings, trees or fences.

**Inspection After Hook-Up**

Make the following inspections after attaching the 3-Way Rear Blade to the tractor:

1. Carefully raise and lower the implement to ensure that the drawbar, tires, and other equipment on the tractor do not contact the frame and moldboard.
2. Carefully pivot blade fully clockwise and offset blade to align end of moldboard with tractor tire. Raise and lower implement to ensure tractor tire and tractor do not contact end of blade.
3. Carefully pivot blade fully counterclockwise and offset blade to align end of moldboard with tractor tire. Raise and lower implement to ensure tractor tire and tractor do not contact end of blade.
4. 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.
Rear Blade Functions

⚠️ WARNING
To avoid serious injury or death:
Never operate hydraulic cylinder(s) with blade in the ground or under load. Improper use can result in loss of control and damage the Rear Blade. Always lift blade up before operating hydraulic cylinder(s).

Grading
Place grade stakes if you intend to develop a specific grade or soil level. 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 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
Material close to fences, buildings, and other obstructions can be graded by offsetting the moldboard to the right or left beyond the tractor tire. Always make certain end of 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 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 moldboard down to desired ditching angle. Offset that end to be in line with tractor’s rear tire and pivot opposite end of moldboard back. The combined angles, pivot, and offset, should be between 45° and 60°.

Operate 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.

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
Backfilling is a process where the operator turns the blade around 180° and pushes product while backing-up. Be careful not to overstress the blade while backfilling as load forces on the blade and frame increase when backing up. To help protect the blade from damage, lengthen tractor’s top center link until the blade will move across the top of the ground without forcing itself into the ground.

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 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.

Unhook 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 coupled to hydraulic cylinder(s), move hydraulic control lever(s) back and forth several times to reliever hydraulic pressure at the couplings and then unhook couplings from the tractor and store on the Rear Blade frame to keep couplings up out of the dirt.
6. If necessary, adjust length of upper center 3-Point link until the hitch pin can be removed from the hitch frame.
7. Remove hitch pins from the lower 3-Point arms at the hitch frame.
8. Reinstall hitch pins and linchpins in the Rear Blade hitch frame for storage.
9. Refer to “Long-Term Storage” instructions on page 25 when storing the Rear Blade for a long time.
Basic Operating Instructions

1. **Dig Safe, Call 811.** 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.

2. Thoroughly inspect work area for sprinkler heads, and any other unforeseen objects that may be a hazard. Remove all potential hazards and mark any that cannot be removed.

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

4. Adjust blade to the desired angle, tilt, and offset position before lowering blade to the ground.

5. 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.

6. 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 now almost ready to begin work. The RBT40 Series Rear Blades were designed and built by Land Pride for category I or II three-point hitch and Quick Hitch attachment to 60 to 100 hp tractors equipped with remote hydraulic outlets and two wheeled drive capability. Tractors with 4-wheeled drive capability may also be used but additional care must be taken when making tight turns with 4-wheel drive engaged and blade in working position or pivot arm damage may occur. They are ideal for snow removal as well as dirt leveling, finish grading, and backfilling applications at feedlots, outdoor arenas, building and construction sites, and maintenance operations on farm and ranch lanes or roadways. They are also excellent for soil contouring and construction and maintenance of ditches and waterways.

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. A RBT40 Series 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 4mph 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 or angles to do the job. The hydraulic angling, tilt, and offset capabilities of the RBT40 series will make these adjustments easy utilizing the tractors remote hydraulic controls. This may require some experimentation to achieve the desired results. Lower the blade to the ground and proceed forward at a speed of no more than 2 to 4mph. 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.

If you have the blade set at a horizontal 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. 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 backfilling as load forces on the blade and frame increase while backing up.

If you are performing the 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 operator and consistently achieve the desired results you expect with your Land Pride RBT40 Series Rear Blade.

See “Specifications & Capacities” on page 27 and “Features & Benefits” on page 28 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 3-Way 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 affects its performance.

\section*{DANGER}
\textbf{To avoid serious injury or death:}
\begin{itemize}
  \item 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.
  \item 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.
\end{itemize}

\section*{WARNING}
\textbf{To avoid serious injury or death:}
\begin{itemize}
  \item 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.
  \item 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.
  \item 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.
\end{itemize}

Tractor Maintenance
One of the most important things you can do to prevent hydraulic system problems is ensure that your tractor's reservoir remains free of dirt and contamination.

Use a clean cloth to wipe hose ends before attaching them to your tractor. Replace your tractor's hydraulic filter element at the prescribed intervals. These simple maintenances will go a long way to prevent occurrence of control valve and hydraulic cylinder problems.

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.

\section*{WARNING}
\textbf{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.

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 Aerosol Land Pride 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.
4. Replace all damaged or missing decals.
5. Lubricate as noted in “Lubrication Points” starting on page 26.
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 all unhooking instructions on page 23 when disconnecting tractor from the 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.

\begin{verbatim}
  82 . . . . . . Orange
  85 . . . . . . Black
\end{verbatim}

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**

### Table of Contents

- **Blade Tilt Shaft**
  - Type of Lubrication: Multi-purpose Grease
  - Quantity = Until grease emerges

- **Front Pivot Shaft**
  - Type of Lubrication: Multi-purpose Grease
  - Quantity = Until grease emerges

- **Blade Pivot Shaft**
  - Type of Lubrication: Multi-purpose Grease
  - Quantity = Until grease emerges

- **Blade Tilt Shaft**
  - (Blade must be lifted off the ground for lubrication)
  - Type of Lubrication: Multi-purpose Grease
  - Quantity = Until grease emerges

- **Moldboard and Blade**
  - Grease moldboard and blade when storing for an extended period of time.
  - Type of Lubrication: Multi-purpose Grease
  - Quantity = Coat Generously

---

- **30400**
- **35916**
- **35917**
- **30400**
## RBT40 Series Rear Blades

<table>
<thead>
<tr>
<th>Specifications &amp; Capacities</th>
<th>RBT4084</th>
<th>RBT4096</th>
<th>RBT40108</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Blade width</strong></td>
<td>84 (2.13)</td>
<td>96 (2.44)</td>
<td>108 (2.74)</td>
</tr>
<tr>
<td><strong>Approximate weight (lbs)</strong></td>
<td>798 (362)</td>
<td>848 (384.6)</td>
<td>898 (407.3)</td>
</tr>
<tr>
<td><strong>Maximum engine horsepower</strong></td>
<td>100 (74.6)</td>
<td>100 (74.6)</td>
<td>100 (74.6)</td>
</tr>
<tr>
<td><strong>Maximum G.V.W. (lbs)</strong></td>
<td>9500 (4309.1)</td>
<td>9500 (4309.1)</td>
<td>9500 (4309.1)</td>
</tr>
<tr>
<td><strong>Blade angle</strong></td>
<td>Cat. 1 &amp; 2</td>
<td>Cat. 1 &amp; 2</td>
<td>Cat. 1 &amp; 2</td>
</tr>
<tr>
<td><strong>Manual linkage</strong></td>
<td>With blade facing forward or reversed</td>
<td>With blade facing forward or reversed</td>
<td>With blade facing forward or reversed</td>
</tr>
<tr>
<td><strong>Hydraulic cylinder</strong></td>
<td>Up to 45° in 15° increments clockwise and counterclockwise in either direction</td>
<td>Up to 45° in 15° increments clockwise and counterclockwise in either direction</td>
<td>Up to 45° in 15° increments clockwise and counterclockwise in either direction</td>
</tr>
<tr>
<td><strong>Angle cylinder</strong></td>
<td>3 1/2 X 16 X 1 1/4 (8.9 x 40.6 x 3.2)</td>
<td>3 1/2 X 16 X 1 1/4 (8.9 x 40.6 x 3.2)</td>
<td>3 1/2 X 16 X 1 1/4 (8.9 x 40.6 x 3.2)</td>
</tr>
<tr>
<td><strong>Blade offset</strong></td>
<td>Up to 30° left and right in 15 positions (Center, 7 left, and 7 right)</td>
<td>Up to 30° left and right</td>
<td>Up to 30° left and right</td>
</tr>
<tr>
<td><strong>Manual linkage</strong></td>
<td>3 1/2&quot; X 16&quot; X 1 1/4&quot; (8.9 x 40.6 x 3.2)</td>
<td>3 1/2&quot; X 16&quot; X 1 1/4&quot; (8.9 x 40.6 x 3.2)</td>
<td>3 1/2&quot; X 16&quot; X 1 1/4&quot; (8.9 x 40.6 x 3.2)</td>
</tr>
<tr>
<td><strong>Hydraulic cylinder</strong></td>
<td>3 1/2&quot; X 16&quot; X 1 1/4&quot; (8.9 x 40.6 x 3.2)</td>
<td>3 1/2&quot; X 16&quot; X 1 1/4&quot; (8.9 x 40.6 x 3.2)</td>
<td>3 1/2&quot; X 16&quot; X 1 1/4&quot; (8.9 x 40.6 x 3.2)</td>
</tr>
<tr>
<td><strong>Tilt Angle</strong></td>
<td>Maximum 15° up and 15° down with blade facing forward or reversed</td>
<td>Maximum 15° up and 15° down with blade facing forward or reversed</td>
<td>Maximum 15° up and 15° down with blade facing forward or reversed</td>
</tr>
<tr>
<td><strong>Manual ratchet jack</strong></td>
<td>3 X 6 X 1 1/4 (7.6 x 15.2 x 3.2)</td>
<td>3 X 6 X 1 1/4 (7.6 x 15.2 x 3.2)</td>
<td>3 X 6 X 1 1/4 (7.6 x 15.2 x 3.2)</td>
</tr>
<tr>
<td><strong>Hydraulic cylinder</strong></td>
<td>17 (43.2)</td>
<td>17 (43.2)</td>
<td>17 (43.2)</td>
</tr>
<tr>
<td><strong>Moldboard height</strong></td>
<td>5/16 (8) reinforced, 1/4 (6) tapered reinforcement channel</td>
<td>5/16 (8) reinforced, 1/4 (6) tapered reinforcement channel</td>
<td>5/16 (8) reinforced, 1/4 (6) tapered reinforcement channel</td>
</tr>
<tr>
<td><strong>Moldboard thickness</strong></td>
<td>1/2 x 6 (1.3 x 15.2) Heat treated reversible blade</td>
<td>Fully enclosed welded, formed box</td>
<td>Fully enclosed welded, formed box</td>
</tr>
<tr>
<td><strong>Cutting edge</strong></td>
<td>Retractable</td>
<td>Retractable</td>
<td>Retractable</td>
</tr>
<tr>
<td><strong>Main frame</strong></td>
<td>Skid shoes, end plates, hydraulic selector valve, and hydraulic cushion valve</td>
<td>Skid shoes, end plates, hydraulic selector valve, and hydraulic cushion valve</td>
<td>Skid shoes, end plates, hydraulic selector valve, and hydraulic cushion valve</td>
</tr>
</tbody>
</table>

---

**Top View**

RBT4084 = 83 1/2" (2.12 m)
RBT4096 = 95 1/2" (2.43 m)
RBT40108 = 107 1/2" (2.73 m)

**Side View**

64 1/8" (1.63 m)
42 1/4" (1.07 m)
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#### Section 8: Features & Benefits

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warranty</td>
<td>One year parts &amp; labor. See warranty page for complete details.</td>
</tr>
<tr>
<td>84&quot;, 96&quot;, 108&quot; Working widths (2.13m, 2.44m, 2.74m)</td>
<td>Choice of three sizes to pick from. All sizes handle large capacities.</td>
</tr>
<tr>
<td>65 to 100 hp (48.5 to 74.6 kW) rating</td>
<td>Fits a wide variety of tractors.</td>
</tr>
<tr>
<td>Cat. 1 or 2</td>
<td>Fits wide variety of tractors.</td>
</tr>
<tr>
<td>Fits Land Pride quick hitch</td>
<td>Quick and easy attaching without leaving tractor seat.</td>
</tr>
<tr>
<td>3-Way blade</td>
<td>Tilt, angle and offset features available hydraulically or manually.</td>
</tr>
<tr>
<td>Blade angles left and right up to 45° in either direction</td>
<td>(15 positions manually: Center, 7 clockwise, and 7 counterclockwise) (Hydraulically: Any degree up to 45 degrees) Allows operator to set the blade at the angle of his choice up to 45° to move the desired amount of material with satisfactory results.</td>
</tr>
<tr>
<td>Blade offsets left and right up to 30&quot; (76.2cm)</td>
<td>(15 positions manually: Center, 7 positions left, and 7 positions right) (Hydraulically: Any position up to 30&quot; (76.2cm) Allows the operator to position the end of the moldboard beyond tractor tire and close to solid obstacles such as fences, buildings, and abutments.</td>
</tr>
<tr>
<td>Blade tilts up and down up to 15°</td>
<td>Allows the operator to do simple tasks such as putting a crown in the middle of a road to making V-type ditches of various sizes.</td>
</tr>
<tr>
<td>Fully welded main frame</td>
<td>Fully welded adds overall strength and rigidity to blade frame.</td>
</tr>
<tr>
<td>Heavy-duty pivot assembly with 3 1/8&quot; (7.9cm) solid steel kingpin</td>
<td>3/4&quot; (19mm) Plate steel turntable and 3 1/8&quot; (7.9cm) kingpin for handling the high amount of torque that can be transferred to this area.</td>
</tr>
<tr>
<td>Formed 17&quot; (43.2cm) moldboard</td>
<td>Precisely formed moldboard rolls dirt and debris with ease.</td>
</tr>
<tr>
<td>5/16&quot; Moldboard thickness with box reinforcement</td>
<td>Thick material with fully welded box reinforcement creates a strong moldboard to handle tough jobs.</td>
</tr>
<tr>
<td>Reversible cutting edge</td>
<td>Get twice the wear from the cutting edge by flipping it over.</td>
</tr>
<tr>
<td>Retractable parking stand</td>
<td>Able to store the unit with the frame off the ground, also aids in attaching to tractor.</td>
</tr>
</tbody>
</table>

#### Accessories

| Skid shoes | Help protect from hitting low obstructions by keeping the moldboard off the ground. Set skid shoes to clear obstructions like manhole covers and street cracks. |
| End plates | End plates hold material in to be moved. |
| Cushion valve | Helps protect the moldboard and cylinders in the event an obstruction is hit by allowing hydraulic fluid to bypass the cushion valve and flow back towards the tractor. |
| Selector valve | Provides a way to operate 2 cylinders at one outlet, thereby reducing the number of required outlets by one. |
## Troubleshooting Chart

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bent Hitch Frame and/or Mainframe While Backfilling</td>
<td>Hitting one or more solid objects.</td>
<td>Check for solid objects before backfilling. Drive slow when in unknown conditions &amp; stop immediately at first sign of trouble.</td>
</tr>
<tr>
<td></td>
<td>Blade is digging too deep into the ground.</td>
<td>Lengthen top center 3-Point link until blade quits digging in the ground.</td>
</tr>
<tr>
<td></td>
<td>Mainframe is offset.</td>
<td>Align Mainframe so that it is straight.</td>
</tr>
<tr>
<td></td>
<td>Load on moldboard is not centered.</td>
<td>Keep load in the center of the moldboard.</td>
</tr>
<tr>
<td>Bent Hitch Frame, Mainframe, and/or Moldboard While Making a Turn</td>
<td>Swinging the Rear Blade into a solid object while making a turn.</td>
<td>Stay clear of solid objects while turning. Remember the back will make a wide swinging pattern when turning.</td>
</tr>
<tr>
<td>Bent Moldboard</td>
<td>The Moldboard could have a slight curve that developed during factory weld-up.</td>
<td>No solution required. Slight curve is acceptable and does not affect operation.</td>
</tr>
<tr>
<td></td>
<td>Hitting one or more solid objects that are hidden or not hidden in the ground.</td>
<td>Check for solid objects before operating. Drive slow when in unknown conditions &amp; stop immediately at first sign of trouble.</td>
</tr>
<tr>
<td></td>
<td>Hitting a solid object with the end of the moldboard.</td>
<td>Keep moldboard ends a safe distance away from solid objects. Manually remove the last several inches of product away.</td>
</tr>
<tr>
<td></td>
<td>Operating one of the three hydraulic cylinders (Offset, angle or tilt) with moldboard loaded or resting on the ground.</td>
<td>Make sure moldboard is empty of product and raised off the ground before activating any of the three hydraulic cylinders.</td>
</tr>
<tr>
<td>Blade Does Not Penetrate Soil</td>
<td>Ground is too hard.</td>
<td>Loosen soil with a Land Pride Scarifier. Apply water to the surface or wait for a rain.</td>
</tr>
<tr>
<td></td>
<td>Blade cutting edge is too dull.</td>
<td>Replace blade to get a new cutting edge.</td>
</tr>
<tr>
<td></td>
<td>Blade pitch is set too light.</td>
<td>Lengthen top center 3-Point link.</td>
</tr>
<tr>
<td>Blade Penetrates Soil Too Deep When Traveling Forward</td>
<td>Ground is too soft</td>
<td>Install Land Pride’s Skid Shoes.</td>
</tr>
<tr>
<td></td>
<td>Blade pitch is set too excessive.</td>
<td>Shorten top center 3-Point link when traveling forward.</td>
</tr>
<tr>
<td>Grading Is Not Level</td>
<td>Tractor’s draft-link height control is lifting the blade.</td>
<td>Set draft-link height control to the proper cutting depth.</td>
</tr>
<tr>
<td>Hydraulic Oil Is Leaking</td>
<td>Hydraulic Connection is not tight.</td>
<td>Tighten connection.</td>
</tr>
<tr>
<td></td>
<td>Connection is cracked from overtightening.</td>
<td>Replaced cracked connection.</td>
</tr>
<tr>
<td></td>
<td>Connection threads have been mismatched.</td>
<td>Use connectors with matched threads.</td>
</tr>
<tr>
<td></td>
<td>Sealant not applied to connection when required.</td>
<td>Break connection apart, apply sealant, and reattach connection.</td>
</tr>
<tr>
<td></td>
<td>Hose is damaged from being worn or pinched.</td>
<td>Replace damaged hose. Make sure hose does not become pinched during operation.</td>
</tr>
<tr>
<td></td>
<td>Hose couplings are worn or damaged.</td>
<td>Replace hose couplings.</td>
</tr>
<tr>
<td>Hydraulic Cylinder Does Not Operate</td>
<td>Quick coupler(s) not properly connected.</td>
<td>Reconnect quick connect coupler(s).</td>
</tr>
<tr>
<td></td>
<td>Low on hydraulic oil.</td>
<td>Add oil the tractor’s hydraulics.</td>
</tr>
<tr>
<td></td>
<td>Hydraulic hose is pinched.</td>
<td>Remove hose from pinched area.</td>
</tr>
<tr>
<td></td>
<td>Hydraulic plumbing not correct.</td>
<td>Retrace hydraulic plumbing and make necessary corrections.</td>
</tr>
<tr>
<td>Moldboard Falls From the Mainframe</td>
<td>Kingpin and/or Moldboard pivot pin retaining bolts are missing.</td>
<td>Check Kingpin &amp; Moldboard pivot pin bolts daily. Make sure they are properly torqued. Apply loctite if they keep coming loose. Replace missing bolts.</td>
</tr>
</tbody>
</table>

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## Torque Values Chart for Common Bolt Sizes

<table>
<thead>
<tr>
<th>Bolt Size (inches)</th>
<th>Bolt Head Identification</th>
<th>Grade 2</th>
<th>Grade 5</th>
<th>Grade 8</th>
<th>Bolt Size (Metric)</th>
<th>5.8</th>
<th>8.8</th>
<th>10.9</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N · m ²</td>
<td>ft-lb ³</td>
<td>N · m ²</td>
<td>ft-lb ³</td>
<td>N · m ²</td>
<td>ft-lb ³</td>
<td>N · m ²</td>
<td>ft-lb ³</td>
</tr>
<tr>
<td>1/4&quot; - 20</td>
<td>7.4</td>
<td>5.6</td>
<td>11</td>
<td>8</td>
<td>16</td>
<td>12</td>
<td>M 5 X 0.8</td>
<td>4</td>
</tr>
<tr>
<td>1/4&quot; - 28</td>
<td>8.5</td>
<td>6</td>
<td>13</td>
<td>10</td>
<td>18</td>
<td>14</td>
<td>M 6 X 1</td>
<td>7</td>
</tr>
<tr>
<td>5/16&quot; - 18</td>
<td>15</td>
<td>11</td>
<td>24</td>
<td>17</td>
<td>33</td>
<td>25</td>
<td>M 8 X 1.25</td>
<td>17</td>
</tr>
<tr>
<td>5/16&quot; - 24</td>
<td>17</td>
<td>13</td>
<td>26</td>
<td>19</td>
<td>37</td>
<td>27</td>
<td>M 8 X 1</td>
<td>18</td>
</tr>
<tr>
<td>3/8&quot; - 16</td>
<td>27</td>
<td>20</td>
<td>42</td>
<td>31</td>
<td>59</td>
<td>44</td>
<td>M10 X 1.5</td>
<td>33</td>
</tr>
<tr>
<td>3/8&quot; - 24</td>
<td>31</td>
<td>22</td>
<td>47</td>
<td>35</td>
<td>67</td>
<td>49</td>
<td>M10 X 0.75</td>
<td>39</td>
</tr>
<tr>
<td>7/16&quot; - 14</td>
<td>43</td>
<td>32</td>
<td>67</td>
<td>49</td>
<td>95</td>
<td>70</td>
<td>M12 X 1.75</td>
<td>58</td>
</tr>
<tr>
<td>7/16&quot; - 20</td>
<td>49</td>
<td>36</td>
<td>75</td>
<td>55</td>
<td>105</td>
<td>78</td>
<td>M12 X 1.5</td>
<td>60</td>
</tr>
<tr>
<td>1/2&quot; - 13</td>
<td>66</td>
<td>49</td>
<td>105</td>
<td>76</td>
<td>145</td>
<td>105</td>
<td>M12 X 1</td>
<td>90</td>
</tr>
<tr>
<td>1/2&quot; - 20</td>
<td>75</td>
<td>55</td>
<td>115</td>
<td>85</td>
<td>165</td>
<td>120</td>
<td>M14 X 2</td>
<td>92</td>
</tr>
<tr>
<td>9/16&quot; - 12</td>
<td>95</td>
<td>70</td>
<td>150</td>
<td>110</td>
<td>210</td>
<td>155</td>
<td>M14 X 1.5</td>
<td>99</td>
</tr>
<tr>
<td>9/16&quot; - 18</td>
<td>105</td>
<td>79</td>
<td>165</td>
<td>120</td>
<td>235</td>
<td>170</td>
<td>M16 X 2</td>
<td>145</td>
</tr>
<tr>
<td>5/8&quot; - 11</td>
<td>130</td>
<td>97</td>
<td>205</td>
<td>150</td>
<td>285</td>
<td>210</td>
<td>M16 X 1.5</td>
<td>155</td>
</tr>
<tr>
<td>5/8&quot; - 18</td>
<td>150</td>
<td>110</td>
<td>230</td>
<td>170</td>
<td>325</td>
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<td>360</td>
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<td>510</td>
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<td>190</td>
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<td>570</td>
<td>420</td>
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<td>165</td>
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<td>820</td>
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<td>185</td>
<td>640</td>
<td>475</td>
<td>905</td>
<td>670</td>
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<td>250</td>
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<td>910</td>
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<td>1&quot; - 12</td>
<td>370</td>
<td>275</td>
<td>955</td>
<td>705</td>
<td>1350</td>
<td>995</td>
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<tr>
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<td>355</td>
<td>1080</td>
<td>795</td>
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<td>395</td>
<td>1210</td>
<td>890</td>
<td>1960</td>
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<td>555</td>
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<td>655</td>
<td>1990</td>
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<td>745</td>
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<td>870</td>
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<td>2190</td>
<td>4820</td>
<td>3560</td>
<td>M36 X 2</td>
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</table>

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

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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
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

**Hydraulic Cylinder:** One year Parts and Labor. Hoses and seals are considered wear items.

**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 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 ____________________