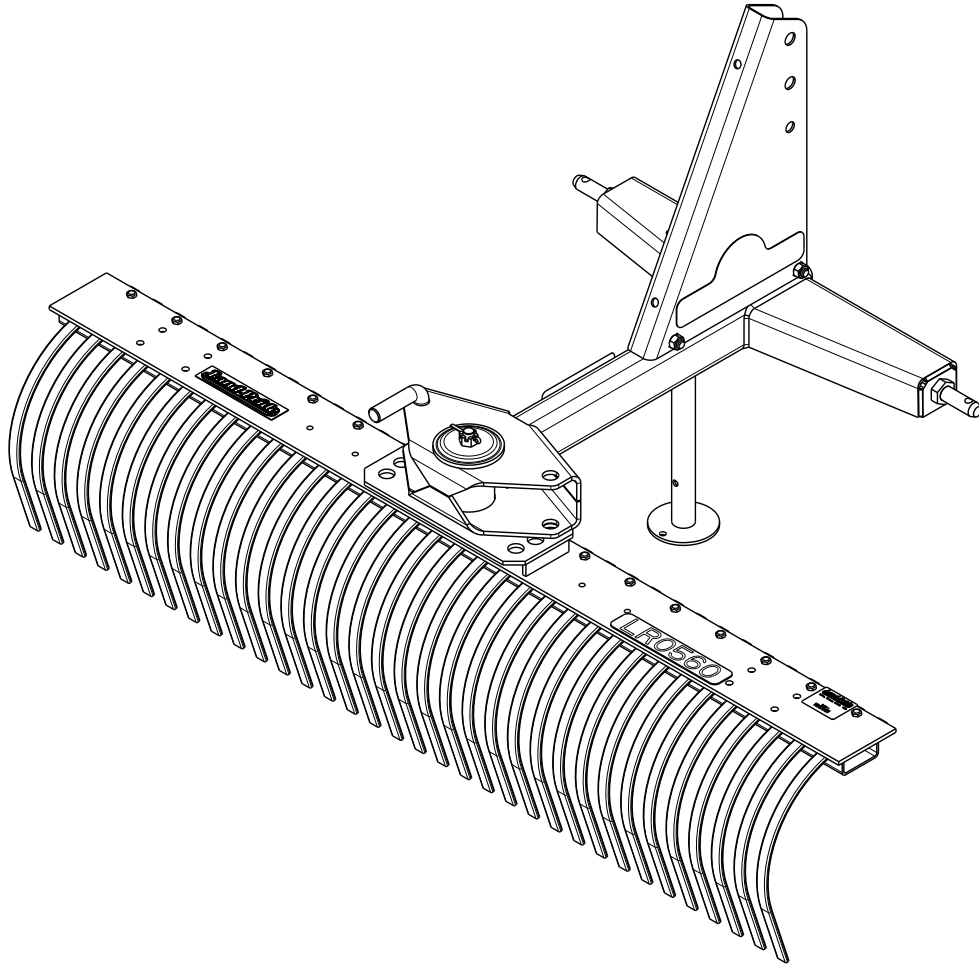


Landscape Rakes

LR0548 and LR0560

35321



302-185M 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.



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
---	--

Important Safety Information	1
Safety at All Times	1
Look for the Safety Alert Symbol	1
Safety Labels	6
Introduction	7
Application	7
Using This Manual	7
Owner Assistance	7
Serial Number	7
Section 1: Assembly & Set-up	8
Tractor Requirements	8
Torque Requirements	8
Landscape Rakes	8
Parking Stand Assembly	8
Tractor Hook-Up	9
Leveling the Landscape Rake	9
Section 2: Accessory Equipment Set-up	10
LR05 Dual Gauge Wheel	10
Gauge Wheel Assembly	10
Section 3: Operating Instructions	12
Operating Checklist	12
General Safety	12
Tractor Shutdown Procedure	13
Inspection After Hook-up	13
Check Equipment Clearances	13
Transporting	13
Unhooking the Landscape Rake	14
Operating Instructions	14
Section 4: Adjustments	15
Safety Alerts	15
Rake Angling	15
Rake Pitch	15
Rake Tilt	15
Gauge Wheels (Optional)	15
Section 5: Maintenance & Lubrication	16
Maintenance	16
Long-Term Storage	16
Ordering Replacement Parts	16
Gauge Wheel	17
Rake Teeth	17
Section 6: Specifications & Capacities	18
Section 7: Features & Benefits	19
Section 8: Torque Values Chart	20
Section 9: Warranty	21



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Printed in the United States of America.

See previous page for Table of contents.



Parts Manual QR Locator

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



Dealer QR Locator

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

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

Safety at All Times

Careful operation is your best assurance against an accident.

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

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



Look for the Safety Alert Symbol

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

Be Aware of Signal Words

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

DANGER

Indicates a hazardous situation that, if not avoided, will result in death or serious injury.

WARNING

Indicates a hazardous situation that, if not avoided, could result in death or serious injury.

CAUTION

Indicates a hazardous situation that, if not avoided, may result in minor or moderate injury.

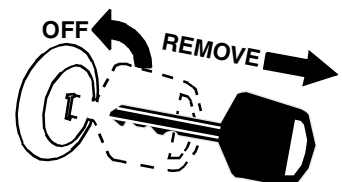
Safety Precautions for Children

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

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

Tractor Shutdown & Storage

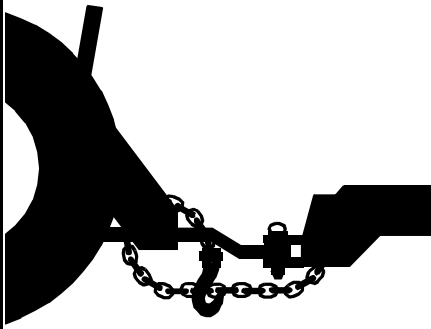
- ▲ If engaged, disengage power take-off.
- ▲ Park on solid, level ground and lower implement to ground or onto support blocks.
- ▲ Put tractor in park or set park brake, turn off engine, and remove switch key to prevent unauthorized starting.
- ▲ Relieve all hydraulic pressure to auxiliary hydraulic lines.
- ▲ Wait for all components to stop before leaving operator's seat.
- ▲ Use steps, grab-handles and anti-slip surfaces when stepping on and off the tractor.
- ▲ Detach and store implement in an area where children normally do not play. Secure implement using blocks and supports.



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

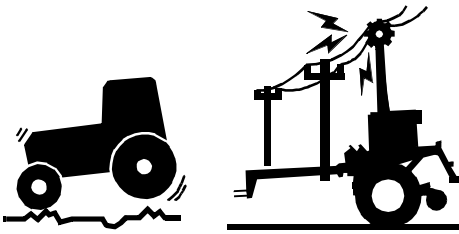
Use A Safety Chain

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



Transport Safely

- ▲ Comply with federal, state, and local laws.
- ▲ Use towing vehicle and trailer of adequate size and capacity. Secure equipment towed on a trailer with tie downs and chains.
- ▲ Sudden braking can cause a towed trailer to swerve and upset. Reduce speed if towed trailer is not equipped with brakes.
- ▲ Avoid contact with any over head utility lines or electrically charged conductors.
- ▲ Always drive with load on end of loader arms low to the ground.
- ▲ Always drive straight up and down steep inclines with heavy end of a tractor with loader attachment on the "uphill" side.



- ▲ Engage park brake when stopped on an incline.
- ▲ Maximum transport speed for an attached equipment is 20 mph. **DO NOT EXCEED.** Never travel at a speed which does not allow adequate control of steering and stopping. Some rough terrains require a slower speed.
- ▲ As a guideline, use the following maximum speed weight ratios for attached equipment:

20 mph when weight of attached equipment is less than or equal to the weight of machine towing the equipment.

10 mph when weight of attached equipment exceeds weight of machine towing equipment but not more than double the weight.

- ▲ **IMPORTANT:** Do not tow a load that is more than double the weight of the vehicle towing the load.



Tire Safety

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



Practice Safe Maintenance

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

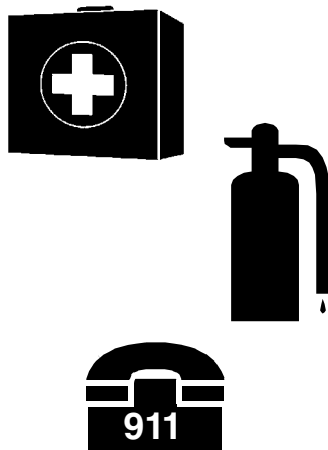
- ▲ Disconnect battery ground cable (-) before servicing or adjusting electrical systems or before welding on implement.
- ▲ Inspect all parts. Make certain parts are in good condition & installed properly.
- ▲ Replace parts on this implement with genuine Land Pride parts only. Do not alter this implement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



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

Prepare for Emergencies

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



Wear Personal Protective Equipment (PPE)

- ▲ Wear protective clothing and equipment appropriate for the job such as safety shoes, safety glasses, hard hat, and ear plugs.
- ▲ Clothing should fit snug without fringes and pull strings to avoid entanglement with moving parts.
- ▲ Prolonged exposure to loud noise can cause hearing impairment or hearing loss. Wear suitable hearing protection such as earmuffs or earplugs.
- ▲ Operating equipment safely requires the operator's full attention. Avoid wearing headphones while operating equipment.



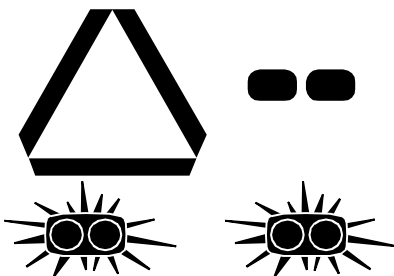
Avoid High Pressure Fluids

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



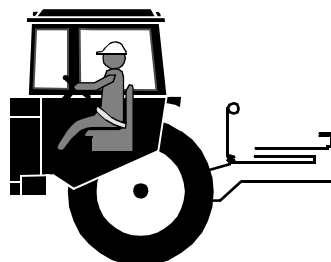
Use Safety Lights and Devices

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



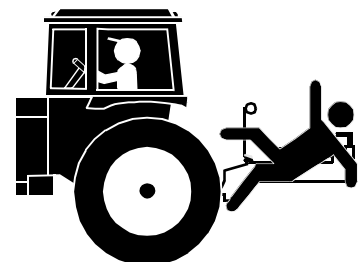
Use Seat Belt and ROPS

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



Keep Riders Off Machinery

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



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

Avoid crystalline Silica (quartz) Dust

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

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



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

Handle Chemicals Properly

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



Dig Safe - Avoid Underground Utilities

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



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Safety Labels

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

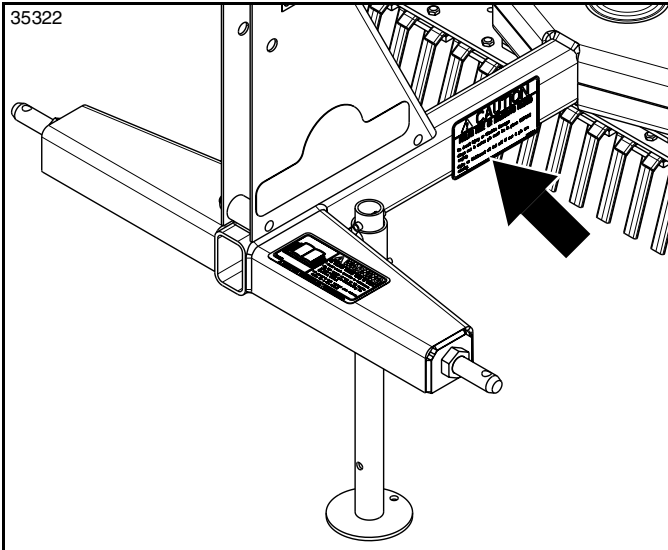
1. Keep all safety labels clean and legible.
2. Refer to this section for proper label placement. Replace all damaged or missing labels. Order new labels from your nearest Land Pride dealer. To find your nearest dealer, visit our dealer locator at www.landpride.com.
3. Some new equipment installed during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

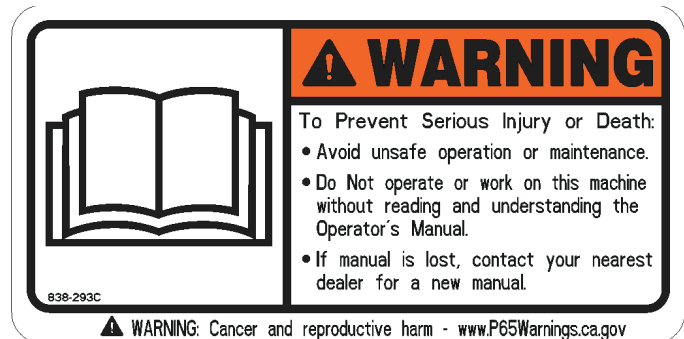
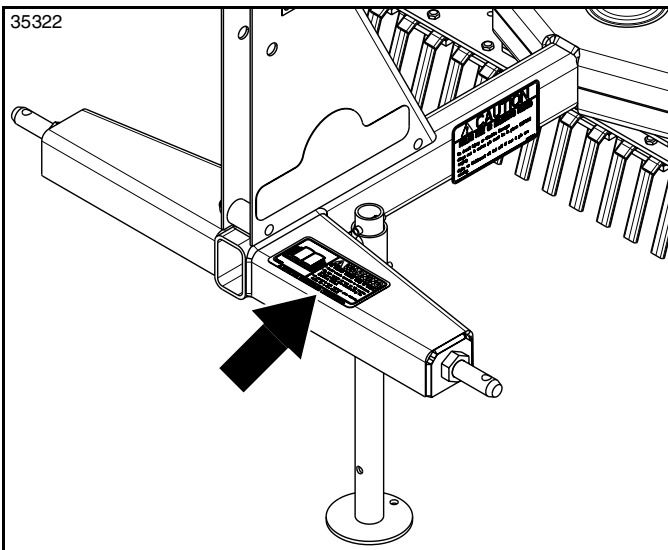
To install new labels:

- 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 rake - Retaining hardware



838-293C

Warning: Read Operator's Manual

Land Pride welcomes you to the growing family of new product owners. This Landscape Rake 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 LR05 Series Landscape Rakes are designed and built by Land Pride to perform final soil surface preparation and reshaping soil and/or aggregate profile.

The LR05 Series rakes are offered in 4 ft. and 5 ft. working widths with Cat. 1 3-Point hitch for mounting to compact tractors in the 25 hp range. All sizes offer angling to meet specific finishing needs.

An optional gauge wheel package is available to enable a more consistent finish over uneven or undulating terrain.

These Land Pride Landscape Rakes are perfectly suited for use by landscapers, contractors, and rental yards. They have applications at housing and road construction projects, golf courses, terracing sites, run-off control projects, and reforestation sights.

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

Using This Manual

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

Terminology

“Right” or “Left” as used in this manual is determined by facing forward in the direction the machine will operate while in use unless otherwise stated.

Definitions

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

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

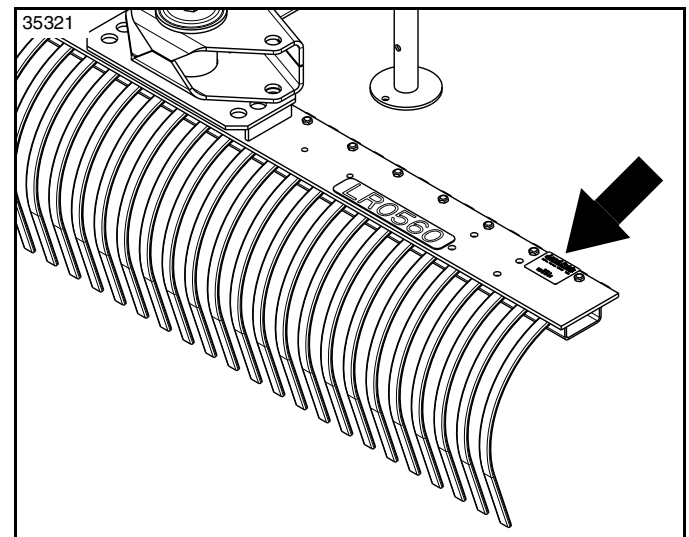
Owner Assistance

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

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

Serial Number

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



Serial Number Plate Location
Figure 1

Further Assistance

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

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

Land Pride Service Department
1525 East North Street

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

E-mail address
lp servicedept@landpride.com

Tractor Requirements

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.
- Do not use a tractor that is too small or too large. Small tractors can be pushed around and flipped over. Large tractors can damage the attached implement.

Tractor horsepower and hitch category should be within the range noted below.

Horsepower Rating 15-25 hp (11-19 kW)
3-Point Hitch Cat. I

Torque Requirements

See "Torque Values Chart" on page 20 to determine correct torque values when tightening hardware.

Landscape Rakes

Refer to Figure 1-1:

1. Insert rake assembly (#4) through hole in the main frame assembly (#1).
2. Place pivot cap (#3) over the threaded pivot shaft protruding through opening in mainframe (#1).
3. Screw slotted hex nut (#8) onto threaded pivot shaft until vertical play is removed. Do not tighten slotted hex nut. Insert cotter pin (#10) and bend both legs around slotted hex nut.

4. Align turntable holes in rake assembly (#4) with bent pin holes in mainframe (#1) and insert bent pin (#11).
5. Position upper hitch mast (#2) on main frame (#1) and insert 1/2"-13 x 2 3/4" GR5 (#6).
6. Retain cap screws with lock washers (#9) and hex nuts (#7). Tighten nuts to the correct torque.
7. Some rake teeth (#12) may require repositioning due to crating. Loosen 3/8" hex head cap screw (#5) and adjust/align these teeth to proper position. Tighten loosened cap screw to the correct torque.

DANGER

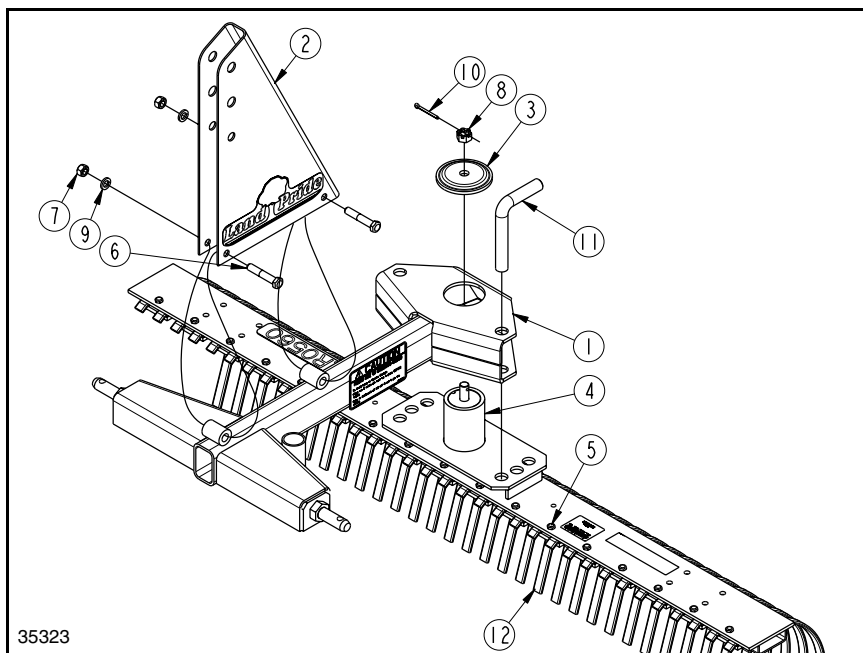
To avoid serious injury or death:

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

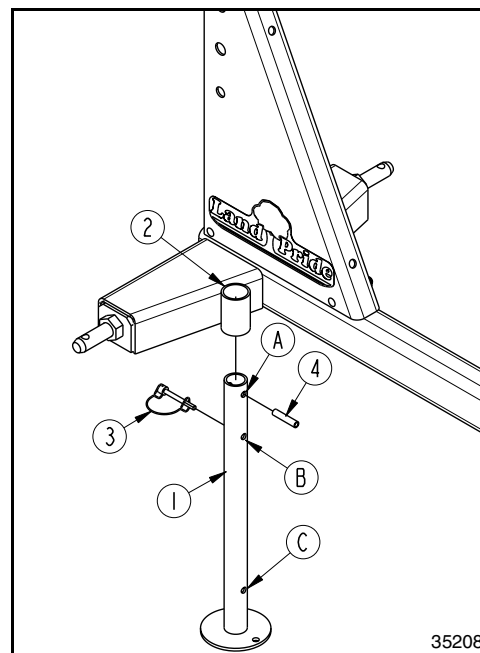
Parking Stand Assembly

Refer to Figure 1-2:

1. Insert wire retaining pin (#3) into parking stand hole "B" and secure with wire retainer.
2. Insert parking stand (#1) into tube (#2) until wire retaining pin (#3) is against bottom of tube.
3. Drive roll pin (#4) into hole "A" until pin extends beyond holes in parking stand an equal amount on both sides.
4. To raise parking stand up, remove wire retaining pin (#3) and raise parking stand up until hole "C" is above tube (#2). Reinsert wire retaining pin (#3) into hole "C" and secure with wire retainer.



Rake Assembly
Figure 1-1



Parking Stand Assembly
Figure 1-2

Tractor Hook-Up

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

WARNING

To avoid serious injury or death:

Always shut tractor down according to “Tractor Shutdown Procedure” provided in this manual before allowing anyone including the operator to hook up or unhook the implement.

Refer to Figure 1-3:

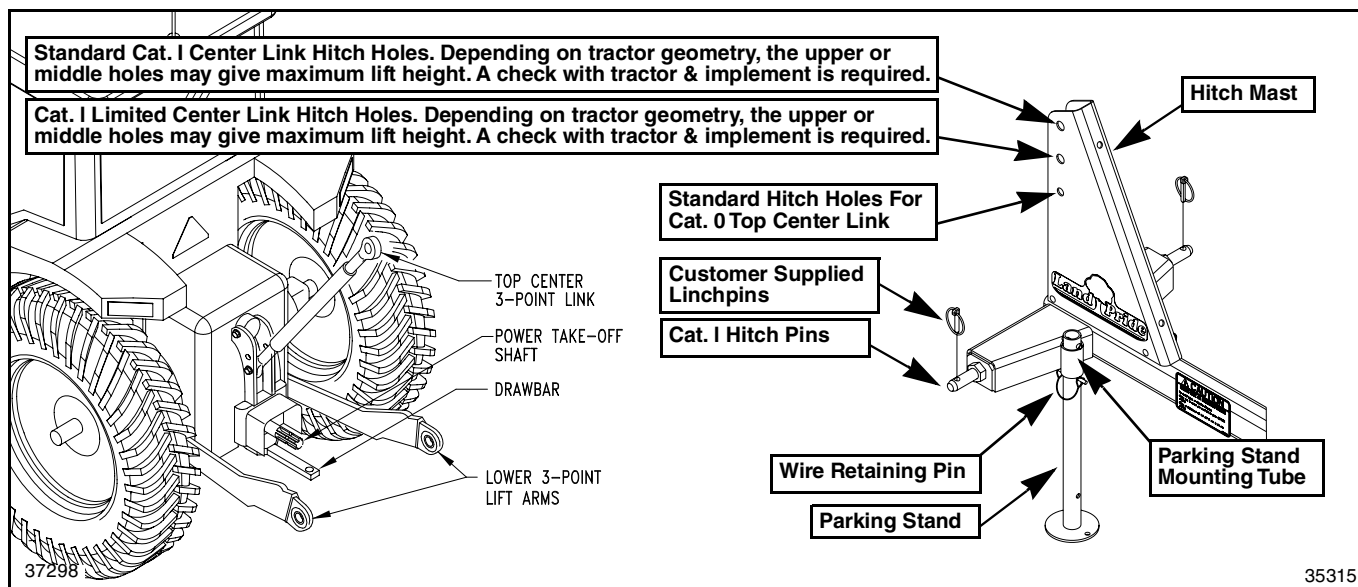
1. Ensure lower arms are stabilized to prevent excessive side movement.
2. Slowly back tractor up to Landscape Rake while using 3-Point hydraulic control to align hitch holes in lower arms with hitch pins on implement.
3. Shut tractor down following “Tractor Shutdown Procedure” on page 13 before dismounting tractor.
4. With lower arms properly aligned, slide arm hitch holes onto implement hitch pins.

5. Secure lower arms to hitch pins by inserting customer supplied linchpins through hitch pins holes and rotating linchpin snap rings down.
6. Connect top center link to one of three mounting locations in the upper hitch plate with customer supplied pin and linchpin as follows:
 - a. **Standard Cat. 0 Center Link Hook-Up:** Connect center 3-Point link to bottom holes in hitch mast.
 - b. **Cat. I Limited Center Link Hook-Up:** Depending on tractor geometry, the upper or middle holes may give maximum lift height. A check with tractor and implement is required.
 - c. **Standard Cat. I Center Link Hook-Up:** Depending on tractor geometry, the upper or middle holes may give maximum lift height. A check with your tractor and implement is required.
7. Using tractor lift control lever, lift Landscape Rake up until parking stand is off the ground 1 to 2 inches.
8. Raise parking stand up to field position. See step 4 under “Parking Stand Assembly” on page 8 for detailed instructions.

Leveling the Landscape Rake

Refer to Figure 1-3:

1. Manually adjust one of the two lower lift arms up or down to level the rake from left to right.
2. Manually adjust length of the top center link to level rake from front to rear.
3. Before using the Landscape Rake, it should be checked for clearances between rake and tractor throughout the range of all rake motions. See “Check Equipment Clearances” on page 13 for detailed instructions.



3-Point Hook-Up
Figure 1-3

LR05 Dual Gauge Wheel

Kit Bundle

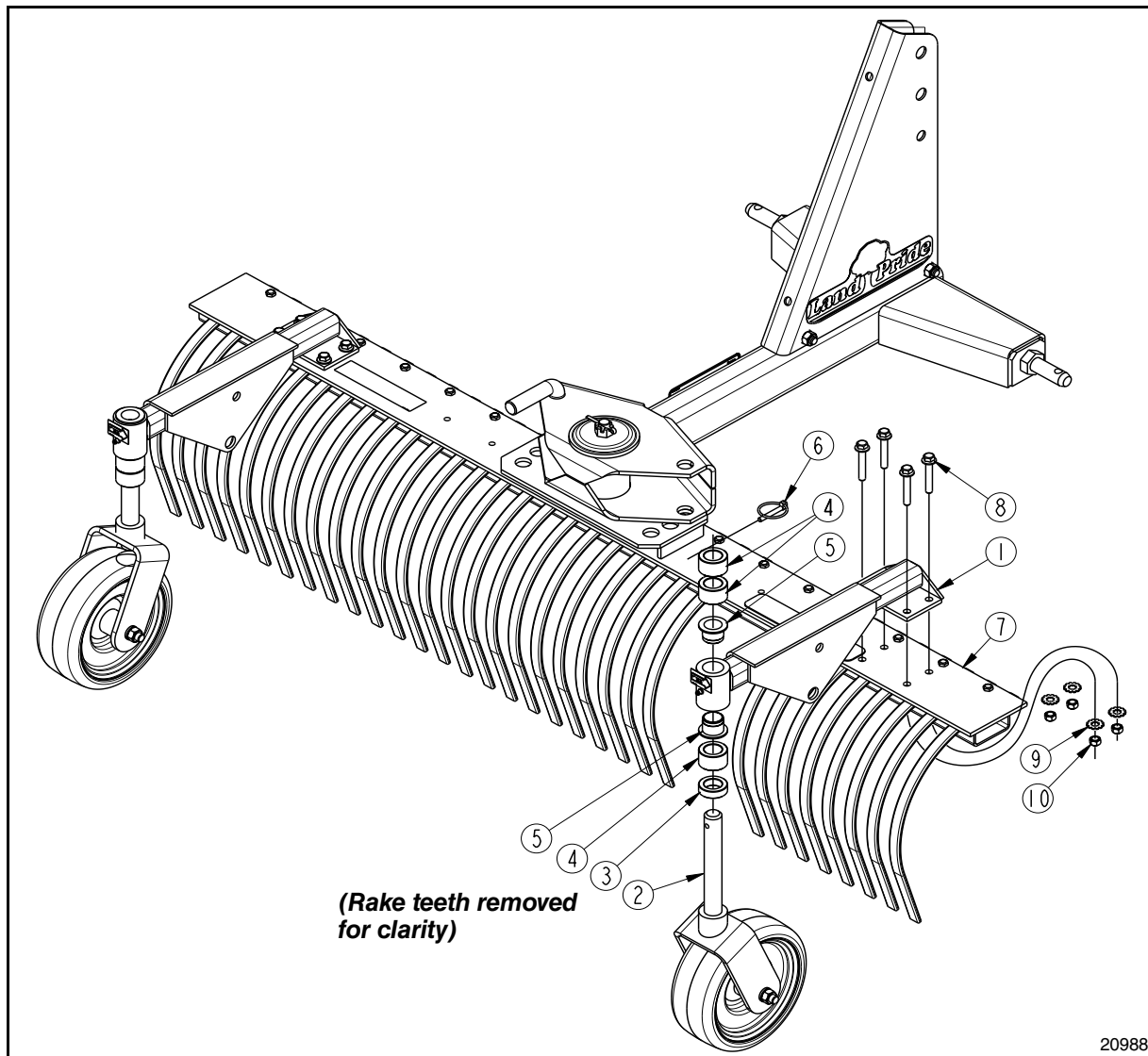
302-258A DUAL GAUGE WHEELS
Solid 2 3/4" x 8 1/4" wheels

Refer to Figure 2-1:

The adjustable gauge wheels will enable a consistent raking of the soil that is less affected by uneven ground conditions that can also be caused by tractor wheels.

Gauge Wheel Assembly

1. Attach gauge wheel arm (#1) to right-hand side of rake mount (#7) with four 3/8" x 2 1/4" GR5 hex head cap screws (#8), 3/8" lock washers (#9), and 3/8" hex nuts (#10) as shown. Tighten to proper torque.
2. Insert two bushings (#5) onto gauge wheel arm (#1) as shown.
3. Insert yoke with tire assembly (#2) through 1/2" spacer (#3), 1" spacer (#4), bushings (#5), and two more 1" Spacers (#4). Secure with linchpin (#6).
4. Repeat steps 1 - 3 to assemble gauge wheel on the left-hand side of rake.



LR05 Dual Gauge Wheel Assembly
Figure 2-1

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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 rake. Therefore, it is absolutely essential that no one operates the Landscape Rake 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**, pages 1 to 3
- **Section 1: Assembly & Set-up**, page 8
- **Section 2: Optional Equipment Set-up**, page 10
- **Section 3: Operating Instructions**, page 12
- **Section 4: Adjustments**, page 15
- **Section 5: Maintenance & Lubrication**, page 16

Perform the following inspections before using your Landscape Rake.

Operating Checklist

✓	Check	Reference
	Check 3-Point hook-up procedure. Be sure all pins have been installed and are	Page 9
	All rake adjustments have been made and pins have been installed and are	Page 15
	The operator has read and understands how to operate the rake.	Page 12
	The Landscape Rake has been lubricated as required.	Page 16
	Check the rake initially and periodically for loose bolts & pins, See Torque	Page 20

General Safety

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 s or hydraulics. Concrete can break, hydraulic lines can burst, and/or hydraulic controls can be actuated even when power to hydraulics is off.
- Always keep a safe distance from obstructions. The implement can extend beyond tractor tires and makes a wide swinging pattern when turning. Never hit solid objects with implement as this can damage property and cause tractor to pivot violently resulting in loss of control.
- Always check all rake hardware for tightness before moving or working around the unit. Make sure pivot retaining hardware is tighten to the correct torque. The rake can fall from its pivot mount if retaining hardware is loose or missing.

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 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.
- Never carry riders on the implement or tractor. Riders can obstruct the operator's view, interfere with controls, be pinched by moving components, become entangled in rotating components, struck by objects, thrown about, fall off and be run over, etc.
- Operate only power machines equipped with a certified Roll-Over Protective Structure (ROPS) and seat belt. Keep folding ROPS in the "locked up" position when appropriate. If ROPS is in the locked up position, fasten seat belt snugly and securely to help protect against serious injury or death from falling and machine overturn.
- Do not use implement to lift objects; to pull objects such as fence posts, stumps, etc; or to push objects. The unit is not designed or guarded for these uses.
- Do not use implement to tow other equipment. Doing so can result in loss of control and damage the equipment.
- Do not use implement as a man lift, work platform or as a wagon to carry objects. It is not properly designed or guarded for this use.
- 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 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.
- Do not hitch implement to a tractor rated outside the recommended horsepower range. Doing so can bend and/or break the implement.
- 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.

IMPORTANT: 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.

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 ignition key to prevent unauthorized starting.
5. If included, 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.

Inspection After Hook-up

Make the following inspections after attaching the Landscape Rake to the tractor:

1. Inspect tractor safety equipment to make sure it is in good working condition.
2. Make sure all rake components are properly lubricated. See "**Ordering Replacement Parts**" on page 16.
3. Check clearances between rake and tractor throughout the range of all rake motions. See "**Check Equipment Clearances**" below for detailed instructions.

Check Equipment Clearances

1. With Landscape Rake hitched to a tractor, raise rake off the ground and angle rake as far as possible toward the right rear tractor tire. Refer to "**Rake Angling**" on page 15 for angling instructions.
2. Slowly raise 3-Point lift arms fully up and down to make sure rake does not make contact with tractor tire, drawbar, and/or any other equipment on the tractor.

- a. Move or remove drawbar if it interferes with rake.
 - b. Set tractor control lever stop to restrict lifting height if rake interferes with tractor tire.
3. If rake is to be tilted, tilt end of rake closest to the tractor tire in the direction the rake is to be tilted and repeat step 2 above. Refer to "**Rake Tilt**" on page 15 for tilt instructions.
 4. Return "**Rake Angling**", and "**Rake Tilt**" to center position.
 5. Angle rake as far as possible toward the left rear tractor tire and repeat steps 2 through 4 on the left side of the tractor.

Transporting



DANGER

To avoid serious injury or death:

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



WARNING

To avoid serious injury or death:

- Make sure implement does not block tractor's Slow Moving Vehicle (SMV) sign when transporting on a public road. If operators in vehicles approaching from the back cannot easily see the sign, then install one on the implement that is visible to warn of your presence.
- When traveling on public roads, use LED lights, slow moving vehicle sign, clean reflectors, and other adequate devices to warn operators in other vehicles of your presence. If implement blocks visibility of slow moving vehicle sign, relocate sign so it is visible from the back at all times. Always comply with all federal, state, and local laws.

1. Do not operate tractor with weak brakes or worn tires.
2. Select a safe ground speed when transporting from one area to another.
3. Be sure to reduce ground speed when turning and leave enough clearance so that the rake does not contact obstacles such as buildings, trees, or fences.
4. 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.
5. 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.

Unhooking the Landscape Rake

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 Landscape Rake from tractor as follows:

1. Park on a level, hard surface. Lower the rake so that the rake is just barely off of the ground. Without changing the rake height, shut the tractor down following **“Tractor Shutdown Procedure”** on page 13.
2. Lower parking stand down and secure with wire retaining pin. Make sure wire retainer is hooked over end of pin.
3. Restart tractor and lower rake and parking stand onto level ground or onto blocks supporting the unit just above ground.
4. Shut tractor down following **“Tractor Shutdown Procedure”** on page 13 before dismounting tractor.
5. If needed, adjust length of upper center 3-Point link until hitch pin can be removed from hitch frame.
6. Remove linchpins from lower hitch pins and pull hitch pins out.
7. Move lower 3-Point arms out of the way and reinstall hitch pins, linchpins, and hairpin cotters in the rake hitch for storage.
8. Refer to **“Long-Term Storage”** on page 16 when parking the rake for long periods and when parking it at the end of a working season.

Operating Instructions

By now you should have thoroughly read your Operator's Manual and properly installed your Land Pride Landscape Rake to your tractor. Before you begin raking you should visually survey the work site to make sure it is safe and free of foreign obstacles. Also make certain that all irrigation heads, utility outlets, and other obstacles are properly marked.

Please stop and do the above checks and preparations if you have not yet done so before you begin to rake. This is a must for your safety and for the safety of others.

Now that you are properly briefed, your Landscape Rake is properly installed, and you have properly checked out your work site, it is time to begin raking. When transporting or traveling to and from work sites, make sure that the rake is in the fully raised position and not in contact with the ground. Select a safe speed and transport to your work site in such a manner that faster moving vehicles can pass you safely. A slow moving vehicle sign should be employed if you are using a public road or right-of-way.

Once you have safely arrived at your work site, lower your rake with the 3-point hitch control lever so that the rake is just barely off of the ground. Without changing the 3-point control lever, shut the tractor down following **“Tractor Shutdown Procedure”** on page 13.

Make the necessary angle, pitch, and gauge wheel adjustments to the rake to achieve desired results. Changing the rake angle to left or right will distribute extraneous and oversized material in furrows to the left or right.

- Changing the pitch angle of the rake by adjusting the top link in or out to tilt the bottom in toward the tractor will result in more aggressive action and vice-versa.
- Setting the proper height on the adjustable gauge wheels will enable a consistent raking that is less affected by uneven ground conditions encountered by the tractor wheels.

After you have made your initial adjustments and settings, get back on the tractor and make a gear and engine rpm selection that will enable a ground speed safe and suitable for your ground and operating conditions. Lower the rake into operating position and begin working. Achieving the desired affect may require additional adjustments.

With a little practice you should begin to consistently achieve the desired results. Always keep safety uppermost in your mind and remember that before dismounting the tractor you must always set the park brake, lower your 3-Point attachment to the ground, turn off the tractor and remove the ignition key. If you must park on a hillside you should always chock the tractor wheels for an extra measure of safety.

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

Safety Alerts

WARNING

To avoid serious injury or death:

- Avoid injury from a falling rake. Always check to make sure all hardware is secured before adjusting the rake.
- Do not make contact with the turntable or stick objects into the turntable holes while adjusting the unit's angle and/or offset. Doing so can pinch or shear body extremities and/or objects.
- Never fully extend or retract hydraulic cylinder(s) without first checking to make sure the implement does not make contact with tractor tires. Extending implement into the tractor tires can result in loss of control and damage to the implement and/or tractor.

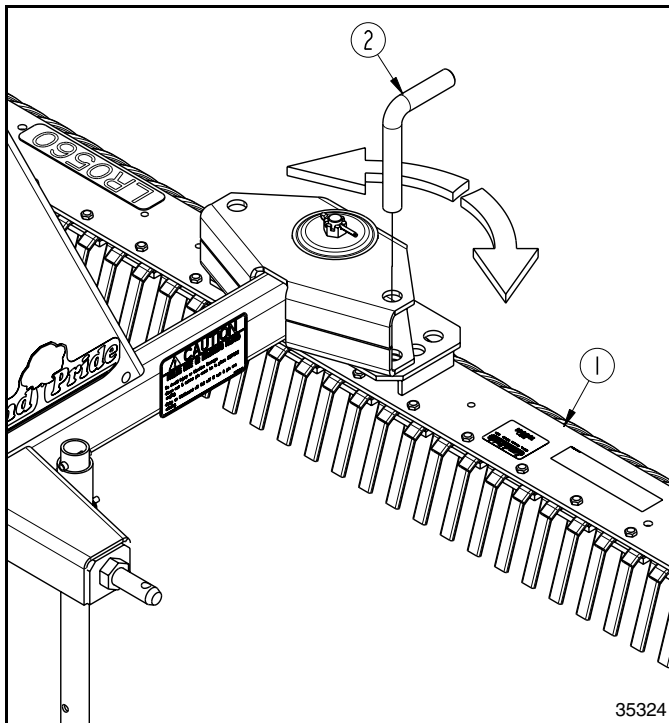
IMPORTANT: The implement must be hitched to a tractor and raised off the ground several inches to make the following adjustments.

Rake Angling

Refer to Figure 4-1:

The Landscape Rake can be angled horizontally up to 30° in 15° increments right and left.

1. Read and follow all “**Safety Alerts**” above.
2. Pull bent pin (#2) from hole in mainframe.
3. Rotate rake (#1) to the desired angle and reinsert bent pin (#1).



Rake Angling
Figure 4-1

Rake Pitch

The rake pitch (angle the rake teeth enter the ground) may be adjusted to increase or decrease the rake's ability to dig into the soil.

1. Read and follow all “**Safety Alerts**” on this page.
2. Lengthening tractor's top center 3-Point link increases rake pitch making the rake more aggressive on the soil.
3. Shortening tractor's top center 3-Point link decreases rake pitch making the rake less aggressive on the soil.

Rake Tilt

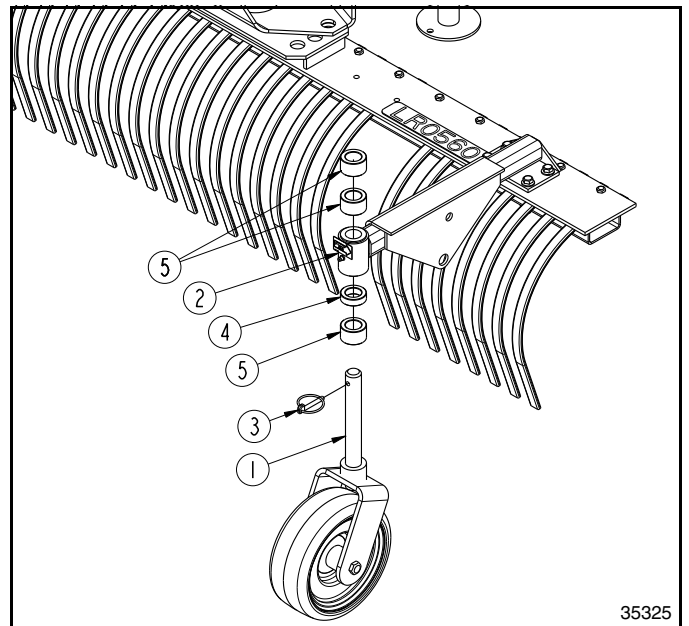
The rake may be tilted so one end is lower than the other.

1. Read and follow all “**Safety Alerts**” on this page.
2. Adjust one or both of the tractor's lower 3-Point arms up or down. Also refer to the tractor's manual for instructions to adjust the lower 3-Point arms.

Gauge Wheels (Optional)

Refer to Figure 4-2:

1. On the right side, remove linchpin (#3) from yoke shaft (#1).
2. Remove gauge wheel (#1) from support arm (#2).
3. Place desired number of spacers (#4 & #5) on yoke shaft (#1).
4. Reinsert gauge wheel assembly (#1) into support arm (#2).
5. Place remaining spacers (#4 & #5) on yoke shaft (#1) above support arm (#2) and reattach linchpin (#3).
6. Repeat steps 1-5 for the left side.



Gauge Wheels
Figure 4-2

Maintenance

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

The parts on your Landscape Rake have been specially designed and should only be replaced with genuine Land Pride parts.

After several hours of use and on a regular basis thereafter check all bolts and pins to be sure they are tight. Replace worn, damaged, or missing parts.

Replace any worn, damaged, or illegible safety alert labels by obtaining new labels from your Land Pride dealer.

Do not alter the rake in a way which will adversely affect its performance.

DANGER

To avoid serious injury or death:

- Always check all rake hardware for tightness before moving or working around the unit. Make sure pivot retaining hardware is tighten to the correct torque. The rake can fall from its pivot 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 s 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 perform maintenance on this implement who have been properly trained in its safe operation.
- Make sure controls are all in neutral position or park before starting the power machine.
- Perform scheduled maintenance. Check for loose hardware, missing parts, broken parts, structural cracks, and excessive wear. Make repairs before putting the implement back into service.
- Do not alter implement or replace parts on the implement with other brands. Other brands may not fit properly or meet OEM (Original Equipment Manufacturer) specifications. They can weaken the integrity and impair the safety, function, performance, and life of the implement. Replace parts only with genuine OEM parts.
- 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.

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.

1. Remove all dirt and grease that has accumulated on the rake and then wash the surface thoroughly with a garden hose.
2. Inspect rake for loose, damaged, or worn parts and adjust or replace as needed.
3. Repaint parts where paint is worn or scratched to prevent rust. Ask your Land Pride dealer for aerosol touch-up paint. They are also available in touch-up bottles with brush, quarts, and gallon sizes by adding TU, QT, or GL to the end of the aerosol part number.

Land Pride Touch-up Paint

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

4. Replace all damaged or missing decals.
5. Lubricate as noted in “**Ordering Replacement Parts**” on page 16. A coating of oil may be applied to the unpainted surfaces of the rake teeth to minimize oxidation.
6. Store rake on a level surface in a clean, dry place. Inside storage will reduce maintenance and make for a longer rake life.
7. Follow all unhooking instructions on page 14 when disconnecting tractor from rake.

Ordering Replacement Parts

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

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

82 Orange 85 Black

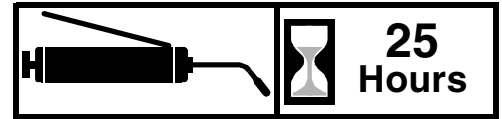
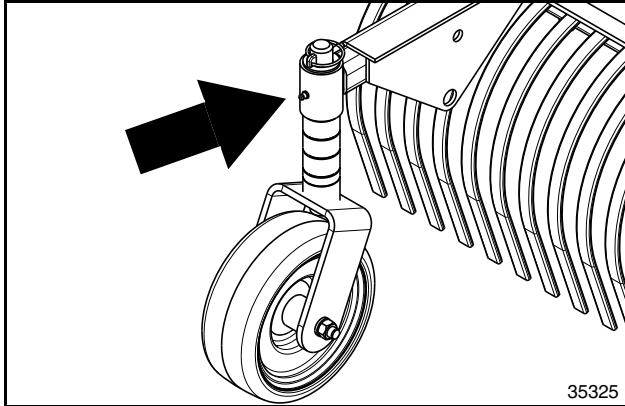
For example, if you are ordering a replacement part with part number 555-555C and the existing part is orange, then add the suffix 82 to the end of the number to make the part number read 555-555C82.

Lubrication Points

Lubrication Legend



Intervals in hours at which lubrication is required

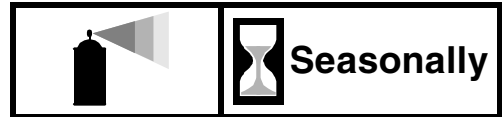
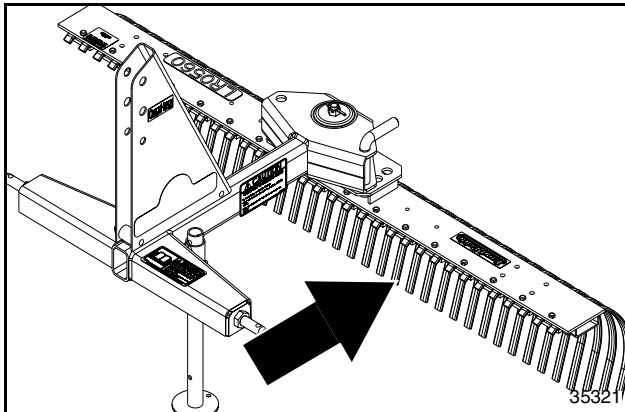


Gauge Wheel

Grease gauge wheel zerks every 25 hours.

Type of Lubrication: Multi-Purpose

Quantity = Until grease begins to emerge.



Rake Teeth

Grease before extended non-use or seasonally.

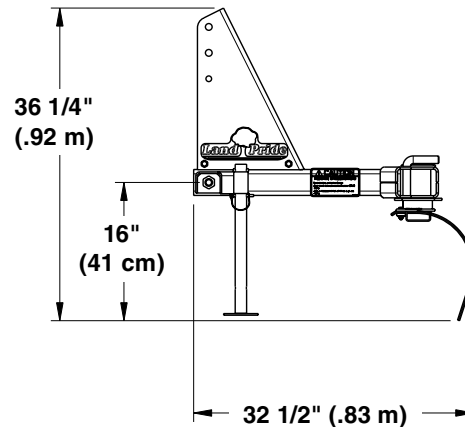
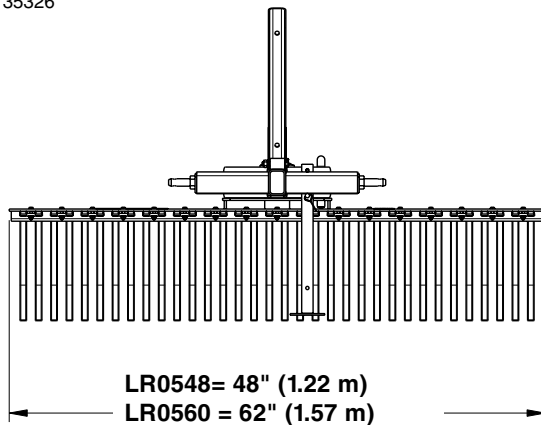
Type of Lubrication: Multi-Purpose

Quantity = Generously

LR05 Series

	LR0548	LR0560
Rake width	48" (1.22 m)	60" (1.52 m)
Approximate weight	98 lbs (45 kg)	113 lbs (51 kg)
Horsepower rating	15 - 25 hp (11-19 kW)	
Rake height	12" (31cm)	
Hitch type	Cat. I	
Parking stand	Standard	
Individual replaceable teeth	Standard	
Number of teeth	26	34
Teeth size (thickness x width)	1/4" x 3/4" (6 mm x 19 mm)	
Teeth spacing	1 3/4" (4.4 cm) centers	
Teeth material	High carbon spring steel	
Angle and position	Five forward positions Thirty degrees right or left	
Dual Gauge wheels (Accessory)	Dual solid wheels, 8 1/4" x 2 3/4"	
Flip down grader blade (Option)	Not available	
Rear blade attachment (Accessory)	Not available	

35326



LR05 Series

Features	Benefits
Working widths: 48" & 60" (1.02 m & 1.52 m)	Allows adaptability to many tractor sizes.
Tractor horsepower range 15-25 (11-19 kW)	Fits tractors with a Cat. I 3-Point hitch.
Retractable parking stand	Keeps the frame off the ground and makes hook-up easier.
Rake teeth support channel	Design with channel support. This design supports the rake teeth better than competitor models. Prevents teeth entanglement and keeps attachment hardware from working loose.
High carbon spring steel teeth 1/4" x 3/4" (6 mm x 19 mm)	Sized to eliminates premature bending and tooth breakage. Constructed of materials that have "memory" to spring back to shape.
Individual replaceable teeth	Makes replacing a damaged tooth quick and easy without removing all of the teeth.
Five forward angles	Vary how much material to move.
Optional dual gauge wheels	Ease of depth control and provides attachments for a grader blade.
Warranty	One year parts & labor.

Torque Values Chart for Common Bolt Sizes																	
Bolt Size (inches)	Bolt Head Identification						Bolt Size (Metric)	Bolt Head Identification									
		Grade 2			Grade 5				Grade 8			Class 5.8			Class 8.8		
in-tpi ¹	N · m ²	ft-lb ³	N · m	ft-lb	N · m	ft-lb	mm x pitch ⁴	N · m	ft-lb	N · m	ft-lb	N · m	ft-lb	N · m	ft-lb		
1/4" - 20	7.4	5.6	11	8	16	12	M 5 X 0.8	4	3	6	5	9	7				
1/4" - 28	8.5	6	13	10	18	14	M 6 X 1	7	5	11	8	15	11				
5/16" - 18	15	11	24	17	33	25	M 8 X 1.25	17	12	26	19	36	27				
5/16" - 24	17	13	26	19	37	27	M 8 X 1	18	13	28	21	39	29				
3/8" - 16	27	20	42	31	59	44	M10 X 1.5	33	24	52	39	72	53				
3/8" - 24	31	22	47	35	67	49	M10 X 0.75	39	29	61	45	85	62				
7/16" - 14	43	32	67	49	95	70	M12 X 1.75	58	42	91	67	125	93				
7/16" - 20	49	36	75	55	105	78	M12 X 1.5	60	44	95	70	130	97				
1/2" - 13	66	49	105	76	145	105	M12 X 1	90	66	105	77	145	105				
1/2" - 20	75	55	115	85	165	120	M14 X 2	92	68	145	105	200	150				
9/16" - 12	95	70	150	110	210	155	M14 X 1.5	99	73	155	115	215	160				
9/16" - 18	105	79	165	120	235	170	M16 X 2	145	105	225	165	315	230				
5/8" - 11	130	97	205	150	285	210	M16 X 1.5	155	115	240	180	335	245				
5/8" - 18	150	110	230	170	325	240	M18 X 2.5	195	145	310	230	405	300				
3/4" - 10	235	170	360	265	510	375	M18 X 1.5	220	165	350	260	485	355				
3/4" - 16	260	190	405	295	570	420	M20 X 2.5	280	205	440	325	610	450				
7/8" - 9	225	165	585	430	820	605	M20 X 1.5	310	230	650	480	900	665				
7/8" - 14	250	185	640	475	905	670	M24 X 3	480	355	760	560	1050	780				
1" - 8	340	250	875	645	1230	910	M24 X 2	525	390	830	610	1150	845				
1" - 12	370	275	955	705	1350	995	M30 X 3.5	960	705	1510	1120	2100	1550				
1-1/8" - 7	480	355	1080	795	1750	1290	M30 X 2	1060	785	1680	1240	2320	1710				
1-1/8" - 12	540	395	1210	890	1960	1440	M36 X 3.5	1730	1270	2650	1950	3660	2700				
1-1/4" - 7	680	500	1520	1120	2460	1820	M36 X 2	1880	1380	2960	2190	4100	3220				
1-1/4" - 12	750	555	1680	1240	2730	2010	¹ in-tpi = nominal thread diameter in inches-threads per inch ² N · m = newton-meters ³ ft-lb= foot pounds ⁴ mm x pitch = nominal thread diameter in millimeters x thread pitch										
1-3/8" - 6	890	655	1990	1470	3230	2380											
1-3/8" - 12	1010	745	2270	1670	3680	2710											
1-1/2" - 6	1180	870	2640	1950	4290	3160											
1-1/2" - 12	1330	980	2970	2190	4820	3560											
Torque tolerance + 0%, -15% of torquing values. Unless otherwise specified use torque values listed above.																	

Warranty

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

Overall Unit: One year Parts and Labor

Rake Teeth: Considered wear items

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

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

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

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

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

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

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

Model Number _____

Serial Number _____



Corporate Office: P.O. Box 5060
Salina, Kansas 67402-5060 USA
www.landpride.com
