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.

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Dealer Contact Information

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

California Proposition 65

⚠️ WARNING: Cancer and reproductive harm - www.P65Warnings.ca.gov
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Important Safety Information

These 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 insurance against an accident. All operators, no matter how much experience they may have, should carefully read this manual and other related manuals before operating the power machine and this implement.

It is the owner’s obligation to instruct all operators in safe operation.

▲ 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 are in place and secured before operating implement.
▲ Keep all bystanders away from equipment and work area.
▲ Start tractor from the driver’s seat with hydraulic controls in neutral.
▲ Operate tractor and controls from the driver’s seat only.
▲ Never dismount from a moving tractor or leave tractor unattended with engine running.
▲ Do not allow anyone to stand between tractor and implement while backing up to implement.
▲ Keep hands, feet, and clothing away from power-driven parts.
▲ While transporting and operating equipment, watch out for objects overhead and along side such as fences, trees, buildings, wires, etc.
▲ Do not turn tractor so tight as to cause hitched implement to ride up on the tractor’s rear wheel.
▲ Store implement in an area where children normally do not play.

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:

⚠️ 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 skid-resistant surfaces when getting on and off the tractor.
▲ Detach and store implement in an area where children normally do not play. Secure implement using blocks and supports.
These 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 state and local laws.
- Use a towing vehicle and trailer of adequate size and capacity. Secure equipment towed on a trailer with tie downs and chains.
- Sudden braking can cause a towed trailer to swerve and upset. Reduce speed if towed trailer is not equipped with brakes.
- Avoid contact with any overhead utility lines or electrically charged conductors.
- Always drive with load on end of loader arms low to the ground.
- Always drive straight up and down steep inclines with heavy end of a tractor with loader attachment on the “uphill” side.
- Engage park brake when stopped on an incline.
- Maximum transport speed for an attached equipment is 20 mph. DO NOT EXCEED. Never travel at a speed which does not allow adequate control of steering and stopping. Some rough terrains require a slower speed.
- As a guideline, use the following maximum speed weight ratios for attached equipment:
  - 20 mph when weight of attached equipment is less than or equal to the weight of machine towing the equipment.
  - 10 mph when weight of attached equipment exceeds weight of machine towing equipment but not more than double the weight.
- IMPORTANT: Do not tow a load that is more than double the weight of the vehicle towing the load.

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

### 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.
- Use properly grounded electrical outlets and tools.
- Use correct tools and equipment for the job that are in good condition.
- Lower implement to the ground and follow all shutdown procedures before leaving the operator’s seat to perform maintenance.
- Allow equipment to cool before working on it.
- Disconnect battery ground cable (-) before servicing or adjusting electrical systems or before welding on implement.
- Do not grease or oil implement while it is in operation.
- 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.
- Remove buildup of grease, oil, or debris.
- Remove all tools and unused parts from equipment before operation.
Important Safety Information

These 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 phone.

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

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

**Use Safety Lights and Devices**
- Slow moving tractors, 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 or use tractor to lift or transport individuals.
- There is not a safe place for a person to ride.
- 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.
Important Safety Information

These 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.
Safety Labels

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

1. Keep all safety labels clean and legible.
2. Refer to this section for proper label placement. Replace all damaged or missing labels. Order new labels from your nearest Land Pride dealer. To find your nearest dealer, visit our dealer locator at www.landpride.com.
3. Some new equipment installed during repair requires safety labels to be affixed to the replaced component as specified by Land Pride. When ordering new components make sure the correct safety labels are included in the request.
4. Refer to this section for proper label placement.
   To install new labels:
   a. Clean surface area where label is to be placed.
   b. Spray soapy water onto the cleaned area.
   c. Peel backing from label and press label firmly onto the surface.
   d. Squeeze out air bubbles with edge of a credit card or with a similar type of straight edge.

**WARNING: Read Operator’s Manual**
(1 Place) Located on the front of the frame.

**CAUTION: Pinch Point Hazard**
(2 Places) Located on each end of pipe rear roller.
(2 Places) Located on each end of mesh rear roller.
818-335C
3/4" x 4 5/16" Red Reflector
(2 Places) Located on each end of pipe rear roller.
(2 Places) Located on each end of mesh pipe roller.

818-229C
1 3/4" x 2 3/4" Amber Reflector
(1 Place) Located on front left side of the frame.
Introduction

Land Pride welcomes you to the growing family of new product owners. The Arena Grader has been designed with care and built by skilled workers using quality materials. Proper assembly, maintenance, and safe operating practices will help you get years of satisfactory use from this implement.

Application

The Arena Grader is designed and built by Land Pride to perform ripping, loosening, and reshaping of the soil surface. The implement also assists in the breaking up of soil clods, as well as the leveling and grading of soil. The Arena Grader is available in three sizes: 60", 72" and 84". It is designed for a Category I 3-point hitch mount to tractors with a range of 18-45 hp (13.4-33.6 kW) rating. The 3-point hitch is Quick Hitch adaptable.

The Land Pride Arena Grader has applications in landscaping, small nurseries, hobby farms, and food plots, but it excels in maintaining dirt arenas.

See “Specifications & Capacities” on page 22 and “Features & Benefits” on page 23 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 Arena Grader 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” on this page.

Serial Number Plate Location

Further Assistance

Your dealer wants you to be satisfied with your new Arena Grader. 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.

For further assistance write to:

Land Pride Service Department
1525 East North Street
P.O. Box 5060
Salina, Ks. 67402-5060

E-mail address
lpservicedept@landpride.com
Tractor Requirements
Tractor horsepower should be within the range noted below. Tractors outside the horsepower range must not be used.

- Horsepower Rating: 18-45 hp (13.4-33.6 kW)
- Hitch Type: 3-point Cat. I
- Tractor Weight: See important note below

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

Before You Start
⚠️ 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.

Read and understand the Operator’s Manual for your Arena Grader. An understanding of how it works will aid in the assembly and setup of your machine.

It is best to go through the “Pre-Assembly Checklist” on this page before assembling the implement. Speed up your assembly task and make the job safer by having all needed parts and equipment readily at hand.

Torque Requirements
Refer to “Torque Values Chart” on page 25 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.
3-Point Hitch Assembly

Refer to Figure 1-1:

1. Remove hex nut (#5A), lock washer (#6A), and hex head bolt (#4A) from dual lug plate (#7).
2. Insert spacer (#3A) into largest hole on dual lug plate (#7).
3. Align holes on one end of hitch brace (#2) to the dual lug plate (#7) with inserted spacer (#3A). Attach by using removed hex head bolt (#4A), lock washer (#6A), and hex nut (#5A). Do not tighten hex nut at this time.
5. Remove 3/4"-10 hex nut (#5B), lock washer (#6B), spacer (#3B), and hex head bolt (#4B) from upper 3-point hitch straps (#1A & #1B).
6. Rotate upper 3-point hitch straps (#1A & #1B) and hitch brace (#2) up until lower holes in hitch straps align with upper holes in hitch brace.
7. Insert hex head bolt (#4B) through lower hole in hitch strap (#1A), left hole in hitch brace (#2), spacer (#3B), right hole in hitch brace (#2), and lower hole in hitch strap (#1B).
8. Secure hex head bolt (#4B) with lock washer (#6B) and hex nut (#5B). Draw hex nut up snug.
9. Tighten 3/4"-10 hex nuts (#5A, #5B, & #5C) to the proper torque for a GR5 bolt.
Rear Roller Options

Pipe Roller ............................................. 307-327A
Mesh Roller ............................................. 307-328A

Refer to Figure 1-2:

WARNING
To avoid serious injury or death:
Do not climb or step on roller to access ratchet jack or other components. The roller can rotate if not making solid contact with the ground.

CAUTION
To avoid minor or moderate injury:
Keep people away from roller pivot area while adjusting roller height. Body extremities can be pinched in the pivot clevis.

1. Confirm that Arena Grader mainframe (#9) is level on flat ground.
2. Position specific rear roller assembly (#10) with mainframe (#9), by aligning left and right roller mounts (#1A & #1B) in between left and right roller mounting brackets (8A & 8B) on mainframe.

3. Secure left and right roller mounts (#1A & #1B) to roller mounting brackets (#8A & #8B) on mainframe with two clevis pins (#2), and two cotter pins (#3). Each pin will pass through three holes before being secured with cotter pin.

4. Extend ratchet jack (#6) to the needed length to reach the dual lug plate (#7) by using attached ratchet handle (#6A).

5. With one end of ratchet jack already attached to rear roller accessory at factory, align other end of ratchet jack (#6), so hole on dual lug plate (#7) aligns with holes on ratchet jack bracket (#6).

6. Once aligned, insert one inch diameter pin (#4) through ratchet jack bracket (#6), through dual lug plate (#7), then through other end of ratchet jack bracket (#6). Secure pin (#4) with corresponding clip (#5). The pin will pass through three holes before being secured with clip.

7. Use ratchet handle (#6A) on ratchet jack to properly adjust rear roller assembly to desired height.
3-Point Hook-up to Implement
Refer to Figure 1-3:

**DANGER**
To avoid serious injury or death:
Always secure equipment with solid, non-concrete supports before working under it. Never go under equipment supported by concrete blocks or hydraulics. Concrete can break, hydraulic lines can burst, and/or hydraulic controls can be actuated even when power to hydraulics is off.

**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.

**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 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. Slowly back tractor up to the Arena Grader while using tractor’s 3-point control lever to align both lower 3-point lift arms in between each set of hitch lug plates (#5A & #6A) and (#5B & #6B).
2. If hooking-up with a Quick Hitch, refer to the Quick Hitch Operator’s Manual for detailed hook-up and operating instructions. Otherwise, continue with step 3.
4. Attach lower 3-point lift arms to the hitch lugs (#5A & #6A) and (#5B & #6B), with two hitch pins (#1). Secure hitch pins with two linchpins (#2).
5. Align top center 3-point link in between both upper hitch uprights (#7A & #7B).
7. Return to the tractor and slowly operate the tractor’s 3-point hydraulic control lever to slowly raise and lower the Arena Grader while checking for clearance between tractor tires, drawbar, and implement. Move or remove drawbar if it interferes with the unit.
8. Ensure lower 3-point lift arms are blocked to prevent excessive side-to-side movement.
9. Level the Arena Grader left to right and front to back. Refer to “Leveling Arena Grader” on page 15.
Unhook 3-Point Implement
Refer to Figure 1-3 on page 12:

⚠️ DANGER
To avoid serious injury or death:
Always secure equipment with solid, non-concrete supports before working under it. Never go under equipment supported by concrete blocks or hydraulics. Concrete can break, hydraulic lines can burst, and/or hydraulic controls can be actuated even when power to hydraulics is off.

1. See “Long-Term Storage” on page 20 when parking Arena Grader for long periods or at the end of the season.
2. Shut tractor down according to “Tractor Shutdown Procedure” on page 9.
4. Remove hairpin cotter (#4) and clevis pin (#3).
5. Store top center 3-point link in tractor holder.
6. Reinstall clevis pin (#3) and hairpin cotter (#4) in upper hitch uprights for safe keeping.
7. Remove linchpins (#2) and hitch pins (#1) from hitch lug plates (#5A & #6A) and (#5B & #6B).
8. Move tractor’s lower 3-point arms completely out of the implement’s hitch lug plates.
9. Return hitch pins (#1) to implements hitch lug plates and secure with linchpins (#2).
10. Return to the tractor and drive slowly away making sure tractor and lower 3-point arms are clear while pulling away.
Section 2: Adjustments

S-Tine Shank Adjustment and Removal

Refer to Figure 2-1:

The Arena Grader is setup from the factory with symmetrical spacing of the spring tine shanks. However, the operator can adjust shank spacing as well as the working depth to his or her preference. If needed, shanks can be removed for specific applications. The implement works best if shanks are adjusted symmetrically on the center of the unit’s frame.

Adjust S-Tine Shanks

1. Loosen nut (#4). Do not remove nut from bolt (#3).
2. Move Danish tine clamp (#1) and S-tine shank (#7) on mainframe cross tube (#2) to the desired location.
3. Make sure lock washer (#5) and flat washer (#6) are still on bolt (#3). Tighten 1/2"-13 hex nut (#4) to the correct torque for a GR5 hex bolt.

Remove S-Tine Shanks

1. Remove hex nut (#4), lock washer (#5), flat washer (#6), and hex bolt (#3).
2. Remove S-tine shank (#7) from slot in back of Danish tine clamp (#1).
3. Remove Danish tine clamp (#1) from mainframe cross tube (#2).
4. Store S-tine shank (#7), Danish tine clamp (#1), and attaching hardware (#3, #4, #5, & #6) in a location bundled together with the shank so that they can be retrieved for installation later.

Install S-Tine Shanks

1. Locate Danish tine clamp (#1) on mainframe cross tube (#2) with bolt hole facing forward and on top as shown.
2. Insert S-tine shank (#7) through slot in Danish tine clamp (#1).
3. Insert bolt (#3) through square hole in Danish tine clamp (#1), hole in S-tine shank (#7), flat washer (#6), and lock washer (#5).
4. Secure bolt (#3) with hex nut (#4).
5. Check to make sure S-tine shank (#7) is properly located on the mainframe cross tube (#2).
6. Tighten 1/2"-13 hex nut (#4) to the correct torque for a GR5 bolt.

S-Tine Depth Adjustment

Refer to Figure 2-2:

NOTE: The working depth of the S-Tine shanks can be adjusted to a maximum depth of four inches.

1. Adjust working depth of S-Tine shanks through the use of ratchet jack (#1).
2. Take hold of ratchet handle (#2), and perform ratcheting motion to adjust the depth of S-Tine shanks (#3).
Leveling Arena Grader
Refer to Figure 2-3:

NOTE: When leveling is complete, the implement should be parallel with the ground from front to back and side to side. If leveling is done on ground with a small incline, then use a tape measure to ensure the unit’s frame is parallel to the ground.

1. Shut tractor down according to “Tractor Shutdown Procedure” on page 9. Make sure the ground is level.
2. Place a 12” level on Arena Grader cross tube as shown in position (#1).
3. Adjust one of the tractor’s lower 3-point lift arms up or down as needed to level the implement left to right.
4. Move the level to position (#2) and adjust center 3-point link to level the implement from front to back.
   • Shorten 3-point center link if implement is low at the back.
   • Lengthen 3-point center link if implement is high at the back.

Leveller Adjustment

⚠ CAUTION

To avoid minor or moderate injury:
Lowering leveler from a previous position could result in a sudden drop of component if not supported. Keep hands and feet clear from underside of leveler when adjusting.

Refer to Figure 2-4:
The Arena Grader comes equipped with a leveler, located directly behind the spring tines. Designed for the leveling and grading of soil, the operator can easily adjust the working height of the leveler over a span of five inches, with one-inch increments, without the use of tools.

1. To adjust the height of leveler (#1), first remove hairpin cotters (#4A & #4B) from both clevis pins (#3A & #3B).
2. Now remove both clevis pins (#3A & #3B) from each of the leveler adjustment links (#2A & #2B). Both adjustment links should now pivot freely.
3. Adjust height of leveler through optional one-inch increments, by aligning desired holes on pivoting adjustment links (#2A & #2B), with holes on leveler (#1).
4. Once desired height is attained, insert both clevis pins (#3A & #3B) through holes on both leveler adjustment links (#2A & #2B), and through both holes on leveler (#1).
5. Once both clevis pins pass through holes on leveler adjustment links and leveler, secure clevis pins (#3A & #3B) with hairpin cotters (#4A & #4B).
Startup 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 Arena Grader. Therefore, it is absolutely essential that no one operates the implement unless they are age 16 or older and have read, fully understood, and are completely 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: Adjustments**, page 14
- **Section 3: Operating Procedures**, page 16
- **Section 5: Maintenance & Lubrication**, page 19

Perform the following inspections before using your Arena Grader.

### Operating Checklist

<table>
<thead>
<tr>
<th>Check</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Follow hook-up instructions. Refer to “3-Point Hook-up to Implement”.</td>
<td>10</td>
</tr>
<tr>
<td>All adjustments have been made and secured. Refer to “Section 2: Adjustments”.</td>
<td>14</td>
</tr>
<tr>
<td>Operator has read and understands how to operate the Arena Grader. Refer to “Section 3: Operating Procedures”.</td>
<td>16</td>
</tr>
<tr>
<td>Required maintenance has been completed. Refer to “Section 5: Maintenance &amp; Lubrication”.</td>
<td>19</td>
</tr>
<tr>
<td>Check implement initially and periodically for loose hardware. Refer to “Torque Values Chart”.</td>
<td>25</td>
</tr>
</tbody>
</table>

### Operator’s Responsibilities

**DANGER**

To avoid serious injury or death:

- Do not allow anyone near the tractor or implement while operating. Stop operation if bystanders are too close. They can be hit by flying projectiles, become entangled in the equipment, or run over.
- 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:

- 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. If in doubt, 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.
- 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.
- Never carry riders on the implement or tractor. Riders can obstruct the operator’s view, interfere with control of the equipment, be pinched by moving components, become entangled in rotating components, be struck by objects, be thrown or fall from the equipment, etc.
- Make sure safety labels are in their proper location and are in good condition before operating the attached implement. Read and obey all instructions on the labels.
- 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.
- Perform scheduled maintenance. Check for loose hardware, missing parts, broken parts, structural cracks, and excessive wear. Make repairs before putting 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.
- 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.
- Avoid exposure to dust containing crystalline silica particles. This dust can cause serious injury to the lungs (silicosis). 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.
Transporting

**WARNING**

To avoid serious injury or death:

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

1. Select a safe ground speed when transporting from one area to another. Maximum transport speed for the Arena Grader is 20 mph (32.2 km/h).
2. Be sure to reduce tractor ground speed when turning and leave enough clearance to keep the implement from contacting obstacles such as buildings, trees, or fences.
3. When traveling on roadways, transport in such a way that faster moving vehicles may pass you safely.
4. Operate tractor at a lower speed when traveling over rough or hilly terrain.

General Operating Instructions

By now you should have read the Operator's Manual, completed the Operator's Checklist, and properly attached your AG15 Arena Grader to your tractor. You are now ready to head to your work site. If you have not done so, you should check your work site for buried utility cables, pipelines, sprinkler heads, and other obstacles that you would not want to damage or encounter. You should also have removed wire, tree limbs, rocks, and other debris that can cause problems with your implement and tractor. Check the ground to make sure it is not too wet or mucky. The soil should be well drained and capable of being walked on without having soil stick to your shoes.

Cultivating will commence as soon as the unit touches the ground and the tractor begins moving forward. Ground conditions and the type of finish you require will determine how deep you cultivate and spacing of S-Tine shanks. If available, set the detent stop on your 3-point depth control lever to your preferred depth.

**IMPORTANT:** Making sharp turns with the Arena Grader in the ground will cause extreme side loading on the shanks and may cause damage to the unit.

Your forward travel speed is determined by soil conditions and available tractor horsepower. When you reach the end of a pass, always pick the implement up before turning to prevent damage to the tines and/or frame. Never backup with the implement in the ground.

Achieving the desired effect may require a little experimentation in your given conditions. The soil is too wet if it is sticking to and building-up on your S-tine shanks and blades. Cultivating operations should be discontinued until the ground is dry and more workable.

Once you are finished using your Arena Grader, park it on a dry and level surface, clean it, and make it ready for the next use. With a little practice, you will be able to achieve excellent results from your Land Pride Arena Grader.

See “Specifications and Capacities” on page 22 and “Features & Benefits” on page 23 for additional information and performance enhancing options.
Optional Equipment

The Arena Grader comes with two rear roller options to further assist in the grooming processes of an arena. Located behind the leveler, the rear pipe roller is designed to break up clods and fluff the soil, while the rear mesh roller offers a finer soil finish with less fluff. Attachment instructions for both accessories are included in this manual. Refer to Rear Roller Options on page 11:

Rear Pipe Roller
Refer to Figure 4-1:

![Rear Pipe Roller](Image)

Rear Mesh Roller
Refer to Figure 4-2:

![Rear Mesh Roller](Image)
General Maintenance Information

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

Check all bolts and pins after using the Arena Grader for several hours and on a regular basis thereafter to ensure they are tight and secured. Replace worn, damaged, or illegible safety labels by obtaining new labels from your Land Pride dealer.

⚠️ DANGER ⚠️
To avoid serious injury or death:

Always secure equipment with solid, non-concrete supports before working under it. Never go under equipment supported by concrete blocks or hydraulics. Concrete can break, hydraulic lines can burst, and/or hydraulic controls can be actuated even when power to hydraulics is off.

⚠️ WARNING ⚠️
To avoid serious injury or death:

- Perform scheduled maintenance. Check for loose hardware, missing parts, broken parts, structural cracks, and excessive wear. Make repairs before putting 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.
- Allow only persons to perform maintenance on this implement who have been properly trained in its safe operation.

S-Tine Points
Refer to Figure 5-1:

NOTE: Rotate or replace worn tine points (#7) before they become too short and can no longer protect the S-tine shanks (#6) from wear. Otherwise, S-tine shanks will require frequent replacement.

Inspect S-tine points (#7), plow bolts (#8), and lock nuts (#9) for wear and replace if needed. Tine points can be rotated one time before replacing them. All tine points should be rotated or replaced at the same time to ensure they are of equal length for digging in the ground. Rotate or replace tine points as follows:

S-Tine Shank and S-Tine Point Maintenance
Figure 5-1

1. Remove lock-nuts (#9), plow bolts (#8), and tine points (#7).
2. If tine points (#7) can be rotated, rotate points 180° and reinstall with plow bolts (#8) and lock nuts (#9). Tighten lock-nuts to the proper torque.
3. If tine points (#7) are worn out on both ends, discard old points (#7), plow bolts (#8), and lock-nuts (#9). Install new points (#7) with new plow bolts (#8) and new lock-nuts (#9). Tighten lock-nuts to the proper torque.

S-Tine Shanks
Refer to Figure 5-1:

Inspect S-tine shanks (#6) and Danish tine clamps (#1) for wear, fatigue, structural cracks, and distorted shape. Replace tine shanks and Danish tine clamps as needed.

1. If tine point (#7) is reusable, remove tine point from existing S-tine shank (#6). See “S-Tine Points” on this page.
2. Remove hex nut (#3), lock washer (#4), flat washer (#5), and hex head bolt (#2).
3. Slide existing S-tine shank (#6) out of slot in Danish tine clamp (#1) and discard.
4. Inspect Danish tine clamp (#1) for damage. If needed, discard and replace clamp with a new clamp.
5. Reattach new S-tine shank (#6) with existing or new Danish tine clamp (#1), 1/2”-13 x 3 1/2” GR5 hex head bolt (#2), flat washer (#5), lock washer (#4), and hex nut (#3). Draw nut up snug.

6. Check to make sure S-tine shank (#6) is properly located on the mainframe cross tube and then tighten hex nut (#3) to the proper torque.

7. Attach new or existing tine point (#7) to the S-tine shank (#6). See “S-Tine Points” on page 19 for detailed instructions.

Long-Term Storage
Clean, inspect, service, and make necessary repairs to the implement when storing for long periods and at the end of the season. This will help ensure the unit is ready for field use the next time you hook-up to it.

1. Clean off any dirt and grease that may have accumulated on the Arena Grader. Scrape off compacted dirt from S-tines and then wash surface thoroughly with a garden hose.

2. Check S-tine shanks and attaching hardware for wear and replace if necessary. See “Section 5: Maintenance & Lubrication” on page 19.

3. Inspect for loose, damaged, or worn parts and adjust or replace as needed.

Repaint parts where paint is worn or scratched to prevent rust. Ask your Land Pride dealer for touch-up paint offered in aerosol and paint bottles with a brush. Quart, and gallon sizes are available by adding TU, QT, or GL to the end of the aerosol part number.

4. Replace all damaged or missing decals.

5. Store Arena Grader on a level surface in a clean, dry place. Inside storage will reduce maintenance and maximize the life of the implement.

6. Follow all unhooking instructions on page 13 when disconnecting tractor from implement.

Ordering Replacement Parts
Land Pride offers this implement 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.

<table>
<thead>
<tr>
<th>Land Pride Touch-up Paint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part No.</td>
</tr>
<tr>
<td>821-066C</td>
</tr>
<tr>
<td>821-070C</td>
</tr>
</tbody>
</table>

4. Replace all damaged or missing decals.

5. Store Arena Grader on a level surface in a clean, dry place. Inside storage will reduce maintenance and maximize the life of the implement.

6. Follow all unhooking instructions on page 13 when disconnecting tractor from implement.
Lubrication Points

<table>
<thead>
<tr>
<th>Lubrication Legend</th>
<th>50 hrs Intervals in hours at which lubrication is required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-purpose spray lube</td>
<td></td>
</tr>
<tr>
<td>Multi-purpose grease lube</td>
<td></td>
</tr>
<tr>
<td>Multi-purpose oil lube</td>
<td></td>
</tr>
</tbody>
</table>

- **Ratchet Jack**
  - Type of Lubrication: Multipurpose Grease
  - Quantity = Until grease emerges

- **Rear Roller**
  - Type of Lubrication: Multipurpose Grease
  - Quantity = Until grease emerges
AG15 Models

<table>
<thead>
<tr>
<th>Specifications &amp; Capacities</th>
<th>AG1560</th>
<th>AG1572</th>
<th>AG1584</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tractor horsepower</td>
<td>Maximum 18-45hp (13.4-33.6 kW)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weights</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Base unit</td>
<td>338 lbs (153kg)</td>
<td>373 lbs (169kg)</td>
<td>409 lbs (186kg)</td>
</tr>
<tr>
<td>Mesh roller</td>
<td>145 lbs (66kg)</td>
<td>158 lbs (72kg)</td>
<td>176 lbs (80kg)</td>
</tr>
<tr>
<td>Pipe roller</td>
<td>176 lbs (80kg)</td>
<td>198 lbs (90kg)</td>
<td>219 lbs (99kg)</td>
</tr>
<tr>
<td>Hitch type</td>
<td>3-Point Cat I &amp; Cat I Quick Hitch compatible</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frame construction</td>
<td>2” x 2” square tubing. 2” x 3” tubing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Danish tine clamp</td>
<td>1/4” Formed plate holds S-tines straight</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S-tine shank</td>
<td>1/2” x 1 1/4” Heat-treated S-tine</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S-tine point</td>
<td>1 1/2” Wide Reversible by rotating them 180° on the S-tine shanks Replaceable without replacing S-tine shanks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pipe/mesh roller options</td>
<td>Roller controls depth of grooming and type of finish.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

![Diagram of AG15 Models]

AG1560 = 63 1/2” (1.61m)
AG1572 = 73 1/2” (1.87m)
AG1584 = 93 1/2” (2.37m)

72046
### AG15 Models

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cat. I 3-point hitch</td>
<td>Fits tractors up to 45 horsepower.</td>
</tr>
<tr>
<td>Quick Hitch compatible</td>
<td>Makes it easy to hook-up to the Arena Grader.</td>
</tr>
<tr>
<td>Heavy-duty tube frame</td>
<td>Tube frame stands up to rugged treatment.</td>
</tr>
<tr>
<td>Danish tine clamp</td>
<td>Holds S-tine shanks straight and tight.</td>
</tr>
<tr>
<td>Adjustable S-tine shanks</td>
<td>Shanks can be adjusted to operator preference.</td>
</tr>
<tr>
<td></td>
<td>Shanks can be adjusted to clear row crop such as sweet corn.</td>
</tr>
</tbody>
</table>
### Troubleshooting Chart

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tractor cannot pull the Arena Grader.</strong></td>
<td>Tractor horsepower is too small.</td>
<td>Attach Arena Grader to a higher horsepower tractor.</td>
</tr>
<tr>
<td></td>
<td>Ground is too wet causing tractor tires to slip and not allowing the soil to fracture into smaller particles.</td>
<td>Never work wet soil that wants to stick together. Wait for the ground to dry enough for the soil to fracture into smaller parts.</td>
</tr>
<tr>
<td></td>
<td>Ground is too dry.</td>
<td>Wait until ground is softened with moisture. Dry soil won’t fracture easily.</td>
</tr>
<tr>
<td></td>
<td>Ground is too hard to cultivate even when soil is moist.</td>
<td>Break soil with equipment design to fracture the soil such as a plow, tiller, disk, or scarifier.</td>
</tr>
<tr>
<td></td>
<td>S-tine points are dull.</td>
<td>Rotate or replace S-tine points.</td>
</tr>
<tr>
<td></td>
<td>Cultivating too deep.</td>
<td>Raise Arena Grader up until tractor can pull the unit. If needed, make several passes over the ground at the shallow depth.</td>
</tr>
<tr>
<td><strong>Tractor tires slip excessively.</strong></td>
<td>Tractor weight is too light.</td>
<td>Use a larger tractor that is heavier. Increase 3-point draft at the control lever. Add weights to the rear wheels.</td>
</tr>
<tr>
<td></td>
<td>Cultivating too deep.</td>
<td>Set Arena Grader at a shallower depth.</td>
</tr>
<tr>
<td><strong>Clods are too hard and won’t fracture into smaller particles.</strong></td>
<td>Clods are too dry to fracture easily.</td>
<td>Wait for moisture to make the clods moist. Note: Do not work ground while the soil and clods are sticky and wet.</td>
</tr>
<tr>
<td></td>
<td>Soil was worked too wet causing soil compaction.</td>
<td>Check soil moisture content. Dig a small amount of soil and squeeze it in your hand. If the soil crumbles, it is ready to work. Give the soil time to dry if it forms a ball that bounces in your hand without breaking apart.</td>
</tr>
<tr>
<td></td>
<td>Note: Hard clods due to soil compaction reduce void spaces for holding water, does not allow good soil aeration, root penetration, and crop yields.</td>
<td>Try breaking the hard clods with a disk or other suitable cultivating tool to make the clods smaller.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Allow time for winter freezing and thawing to change the soil structure back into workable soil that will fracture easily.</td>
</tr>
</tbody>
</table>
## Torque Values Chart for Common Bolt Sizes

<table>
<thead>
<tr>
<th>Bolt Size (inches)</th>
<th>Grade 2</th>
<th>Grade 5</th>
<th>Grade 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot; - 20</td>
<td>7.4</td>
<td>5.6</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>8.5</td>
<td>6</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td>11</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>17</td>
<td>13</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td>3/8&quot; - 16</td>
<td>27</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>3/8&quot; - 24</td>
<td>31</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>7/16&quot; - 14</td>
<td>43</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td>7/16&quot; - 20</td>
<td>49</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>1/2&quot; - 13</td>
<td>66</td>
<td>49</td>
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<tr>
<td></td>
<td>1/2&quot; - 20</td>
<td>75</td>
<td>55</td>
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<tr>
<td></td>
<td>9/16&quot; - 12</td>
<td>95</td>
<td>70</td>
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<tr>
<td></td>
<td>9/16&quot; - 18</td>
<td>105</td>
<td>79</td>
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<td>5/8&quot; - 11</td>
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<td>97</td>
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<td>5/8&quot; - 18</td>
<td>150</td>
<td>110</td>
</tr>
<tr>
<td></td>
<td>3/4&quot; - 10</td>
<td>235</td>
<td>170</td>
</tr>
<tr>
<td></td>
<td>3/4&quot; - 16</td>
<td>260</td>
<td>190</td>
</tr>
<tr>
<td></td>
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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

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

**S-Tine Shanks:** 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.
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