**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.

<table>
<thead>
<tr>
<th>Model Number</th>
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<tbody>
<tr>
<td>Serial Number</td>
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<td>Machine Height</td>
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<td>Delivery Date</td>
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<tr>
<td>First Operation</td>
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</table>

**Accessories**

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

**California Proposition 65**

⚠️ WARNING: Cancer and reproductive harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)
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See previous page for Table of contents.

**Parts Manual QR Locator**

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

**Dealer QR Locator**

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

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

Safety at All Times
Careful operation is your best assurance against an accident. All operators, no matter how much experience they may have, should carefully read this manual and other related manuals, or have the manuals read to them, before operating the power machine and this implement.

- Thoroughly read and understand the “Safety Label” section. Read all instructions noted on them.
- Do not operate the equipment while under the influence of drugs or alcohol as they impair the ability to safely and properly operate the equipment.
- The operator should be familiar with all functions of the tractor and attached implement and be able to handle emergencies quickly.
- Make sure all guards and shields appropriate for the operation are in place and secured before operating 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 attachment 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.

**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.
- Always turn off engine and remove key. The operator’s seat must be in a secured position.
- 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.

**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 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.

**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 tow the implement.

**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.
- 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 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 phone.

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

**Avoid Underground Utilities**
- Dig Safe, Call 811 (USA).
  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.

**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.

**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.

**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**
- Use the Slow Moving Vehicle sign (SMV) when on public roads.

**Keep Riders Off Machinery**
- Never carry riders on 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.
Safety Labels

Your Core Aerator 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.

General Caution Decal

818-719C
General Caution Decal
Land Pride welcomes you to the growing family of new product owners. This Core Aerator 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 Land Pride CA15 Series Core Aerators come in 48", 56", 64" and 72" working widths. They are designed to attach to the tractor’s 3-Point Category 0, 1 and 1 limited hitches and are compatible with Land Pride’s QH05 and QH15 Quick Hitches. They should be attached to tractors capable of lifting, lowering, and transporting weight up to 750 lbs. on the three-point hitch.

The CA15 Series Core Aerators are designed to relieve soil compaction and allow air circulation in grassy surfaces such as lawns, soccer fields, football fields, baseball fields, municipal parks, and golf course fairways. They utilize replaceable hardened spring steel spoons mounted on rotating discs. These spoons pull cores up to 3" in length from the soil profile every 6 3/16” of forward travel. The gangs are spaced laterally apart between 4 1/4” and 4 5/8" with 5 1/2" to 6 1/4” spacing at the rotary support hangers. Pulled cores are deposited on the surface for subsequent drying, pulverization, or removal. Weight can be added to the weight tray to help achieve maximum spoon penetration.

When your turf begins to suffer the effects of compaction and wear, such as shallow root zones, thatch build-up, worn pathways, rock hard ground, poor surface percolation, or water stands, a Land Pride CA15 Series Core Aerator will provide immediate seasonal relief. See “Specifications & Capacities” on page 13 and “Features & Benefits” on page 14 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

### Definitions

<table>
<thead>
<tr>
<th>IMPORTANT: A special point of information related to the following topic. Land Pride’s intention is this information must be read &amp; noted before continuing.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOTE: A special point of information that the operator should be aware of before continuing.</td>
</tr>
</tbody>
</table>

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

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

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

### Further Assistance
Your dealer wants you to be satisfied with your new Core Aerator. 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 problem, and request assistance.
3. For further assistance write to:

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

   E-mail address
   lpservicedept@landpride.com
Tractor Requirements
The CA15 Series Core Aerator is designed for a three point Category 0, 1, and 1 limited hitch. The 3-Point hitch must be capable of lifting 750 lbs. Tractors not rated for lifting 750 lbs must not be used.

NOTE: The tractor may need additional ballast to maintain steering control. See tractor’s Operator’s Manual to determine if additional ballast is required.

Unloading Instructions

⚠️ CAUTION
To avoid minor or moderate injury:
Never allow anyone under the unit while unloading.

Remove crated Aerator from the flat bed trailer with a lifting device designed for handling the load. Gently set the crate down on a smooth, flat surface. Carefully uncrate the unit to protect the finish. Verify all fasteners and parts are included. Refer to the Parts Manual on our website (www.landpride.com) if unsure.

Torque Requirements
Refer to “Torque Values Chart” on page 16 to determine correct torque values when tightening hardware.

Dealer Assembly
This unit is shipped partially assembled. It is the Dealerships responsibility to finish the assembly. Review all safety instructions printed in this manual before assembling the Aerator.

Hitch Assembly
Refer to Figure 1-1:
1. Attach hitch top strap (#1 & #2) to clevis plates ‘A’ with 3/4”-10 x 1 3/4“ cap screws (#6), spring lock washers (#9) & hex nuts (#7). Do not tighten.
2. Attach hitch brace straps (#4) to gusset “B” with 3/4”-10 x 1 3/4“ cap screws (#6), spring lock washers (#9) & hex nuts (#7). Do not tighten.
3. Rotate hitch top straps and hitch brace straps up to align holes as shown. Insert spacer (#3) between hitch top straps and secure with 3/4”-10 x 4 1/2“ cap screw (#5) and hex flange top locknut (#8).
4. Tighten all hardware to the correct torque.
Tractor Hook-Up

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.

IMPORTANT: You could lose steering control if your tractor is too light. Refer to your tractor’s manual to determine if additional ballast is needed.

Refer to Figure 1-2:
1. If installed, remove 3-Point stabilizing equipment to allow Aerator to float over the ground and to help reduce side loading on the spoons.
2. Move drawbar fully forward. (Towards front of tractor)
3. Slowly back tractor up to Core Aerator until tractor’s lower 3-Point links are aligned with Aerator’s lower hitch clevises.
4. Attach tractor’s 3-Point lower links to the Core Aerator’s hitch clevises as follows:

3-Point Hitch (Category 0)
Remove bushing (#3) and store for safe keeping. Position lower arm hitch holes between the two inside clevis plates and in line with hitch pin holes. Insert hitch pins (#1) through all three clevis plates and lower arm hitch holes. Secure hitch pins with linchpins (#2).

3-Point Hitch (Category 1 limited)
Insert bushings (#3) in the 3-Point lower arm hitch holes. Position lower arm hitch holes and bushings between the two inside clevis plates and in line with the hitch pin holes. Insert hitch pins (#1) through all three clevis plates and bushing (#3). Secure hitch pins with linchpins (#2).

5. Connect top center link to the upper hitch holes using customer supplied hitch pin and linchpin.
6. With the 3-Point control lever, raise Core Aerator up just far enough to hold the parking stands off the floor. Raise park stands up and secure in working position. See “Parking Stands” on page 8
7. Return to the tractor and slowly operate controls up and down to check for clearance between Core Aerator, tractor tires, frame, and drawbar. Move or remove drawbar if it interferes with Aerator.

Quick Hitch Hook-Up
Refer to Figure 1-2:

IMPORTANT: Two spacer bushings (# 320-048D) are required when using a Quick Hitch. They may be purchased from your nearest Land Pride dealer.

Land Pride’s Models QH05 and QH15 Quick Hitches fit the Core Aerator’s Cat. 1 hitch. The QH05 Quick Hitch does not require spacer bushings. If hooking-up with QH15 Quick Hitch, install spacer bushings on hitch pins (#1) between the two outer clevis plates. (Bushings are provided by customer) Attach Quick Hitch to the spacer bushings and upper 1 1/4" O.D. spacer.
Section 2: Adjustments

Parking Stands

Storage Position
Refer to Figure 2-1:
Parking stands may be adjusted fully down so that the Core Aerator spoons are supported just above ground as shown in Figure 2-1. Use this position when parking the Core Aerator.

Working Position
Refer to Figure 2-2:
The three parking stands should be fully raised for working and while transporting. Be sure to secure parking stands in the up position with wire retaining pins.

Leveling Adjustments
Refer to Figure 2-2:
Check for levelness by parking tractor on a level surface and lowering Aerator down until unit is approximately 1 to 2 inches off the ground with parking stand up in the working position.

Place tractor in park or set park brake, shut tractor off, and remove switch key.

NOTE: See Tractor Operator’s Manual for instructions on how to adjust tractor’s lower 3-Point arms and top center link.

1. Place a level on the mainframe. Level mainframe from left to right by adjusting one of the tractor’s lower 3-Point arms up or down.
2. Without starting the tractor, lower tractor’s 3-Point hitch until the Aerator’s weight is off the tractor.
3. Rotate level 90 degrees and place across mainframe. Adjust tractor’s top center link until mainframe is level from front to back.

Weight Tray
Refer to Figure 2-1:
Additional weights may be added to the weight tray frame (Not expanded metal guard). Do not exceed the maximum weight limits given below.

CA1548 & CA1556 . . . . . . .400 lbs. Maximum
CA1564 & CA1572 . . . . . . .500 lbs. Maximum

IMPORTANT: DO NOT SUPPORT ADDED WEIGHT BY THE EXPANDED METAL GUARD. ADDED WEIGHT MUST BE SUPPORTED BY THE OUTER EDGE OF THE WEIGHT TRAY FRAME, DISTRIBUTED EVENLY OVER THE FRAME, AND SECURED IN PLACE.

NOTE: Ballast may need to be added to your tractor to maintain steering control. Refer to your tractor’s Operator’s Manual to determine if additional ballast is required.
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 Core Aerator. Therefore, it is absolutely essential that no one operates the Aerator 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:

Perform the following inspections before using your Core Aerator.

Operating Checklist

<table>
<thead>
<tr>
<th>✓ Check</th>
<th>Page</th>
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<tbody>
<tr>
<td>Read and follow all safety rules carefully. Refer to “Important Safety Information.”</td>
<td>1</td>
</tr>
<tr>
<td>Read and follow dealer assembly instructions. Refer to “Section 1: Assembly &amp; Set-Up”.</td>
<td>6</td>
</tr>
<tr>
<td>Read and make all required adjustments. Refer to “Section 2: Adjustments”.</td>
<td>8</td>
</tr>
<tr>
<td>Read and follow hook-up instructions. Refer to “Tractor Hook-Up”.</td>
<td>8</td>
</tr>
<tr>
<td>Read and follow operating procedures. Refer to “Section 3: Operating Instructions”.</td>
<td>9</td>
</tr>
<tr>
<td>Read and follow all maintenance instructions. Refer to “Section 4: Maintenance &amp; Lubrication”.</td>
<td>11</td>
</tr>
<tr>
<td>Read and follow all lubrication instructions. Refer to “Lubrication”.</td>
<td>12</td>
</tr>
<tr>
<td>Check Aerator initially and periodically for loose bolts and pins. Refer to “Torque Values Chart” for torque values of common bolt.</td>
<td>16</td>
</tr>
</tbody>
</table>

Operating Safety

DANGER

To avoid serious injury or death:

- Operator must wear a seat belt at all times. Without being seat belted, the operator could fall off and be ran over by the Aerator and its sharp spoons.
- Keep bystanders and animals away from machinery while in operation. They can become entangled in the equipment, hit by throwing objects, or ran over.
- Always keep your feet and legs out from under the Core Aerator and never work under the unit without properly blocking it up. The Aerator could drop instantly resulting in bodily injury or death.
- Be on the watch for and keep away from ditches, retaining walls, drop-offs, holes, rocks, stumps, tree roots, and other hidden hazards that can cause the tractor to shift suddenly and/or roll 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:

- 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.
- Allow only persons to operate this implement who have fully read and comprehended this manual, who have been properly trained in the safe operation of this implement, and who are age 16 or older. Serious injury or death can result from the inability to read, understand, and follow instructions provided in this manual.
- Never carry riders on the implement or 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.
- Do not use implement to lift objects; to pull objects such as fence posts, stumps, etc.; to push objects. The unit is not designed or guarded for these uses.
- Do not operate and/or travel across inclines where tractor and/or implement can roll over. Consult your tractor’s manual for acceptable inclines the tractor is capable of traveling across.
- Do not exceed tractor’s 3-Point lift capacity. Exceeding tractor lift capacity can cause the 3-Point arms to drop the Aerator suddenly, loose steering control, and/or over load tractor tires. Consult tractor Operator’s manual for maximum rated 3-Point lift capacity. Tractor rated lifting capacity must be 750lbs or greater.
- 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.

Equipment Safety

1. Use Core Aerator for its intended purpose only. Never use it as a wagon to carry things. Never pull or tow other equipment or objects. Never pull post, stumps, or other objects. Misuse of the Core Aerator can break the unit.
2. Mark underground water piping, sprinkler heads, sizable rocks and other objects that can be damage or cause damage to the Aerator with small warning flags so they can be avoided.
3. Do not exceed the weight tray weight limit. Exceeding the limit can damage the spoons, tires and Aerator frame. Refer to “Weight Tray” on page 8.
4. Make gradual turns with spoons in the ground. Too sharp a turn can break the spoons.
5. Do not turn tractor tires into the tongue, spoons, or frame. Slow down and watch tractor tires carefully when forced to make sharp turns.
6. Working speeds in excess of 5 mph can damage the spoons and frame.
7. Do not use spoons to tear up asphalt or for anything other than to aerate soil.
8. Do not alter Core Aerator in a way which will adversely affect its performance or reliability or use the unit for a purpose for which it was not designed.

Transporting

**WARNING**
To avoid serious injury or death:
When traveling on roadways, travel in such a way that other vehicles may pass you safely. Use LED lights, clean reflectors, and a slow moving vehicle sign that is visible from the back to warn operators in other vehicles of your presence. Always comply with all federal, state, and local laws.

1. Select a safe ground speed when transporting from one area to another.
2. Be sure to reduce tractor ground speed when turning and leave enough clearance so the equipment does not contact obstacles such as buildings, trees, or fences.
3. Always raise Core Aerator up before traveling on public roadways.
4. When traveling on roadways, transport in such a way that faster moving vehicles may pass you safely.
5. Shift to a lower gear when traveling over rough or hilly terrain.

Unhook Core Aerator

The following steps should be done when un-hooking the Core Aerator from the tractor:

1. Park tractor and Core Aerator on a solid level surface. Lower Aerator approximately 6" off the ground. Place tractor in park or set park brake, shut tractor off, and remove switch key.
2. See “Parking Stands” on page 8 for information on adjusting them to the correct height. Lower parking stands to the correct height and make sure wire retaining pins are secured in place.
3. Lower tractor’s 3-Point hitch until all weight is off of tractor.
4. Remove top center hitch pin and store in a safe location for reuse.
5. Remove lower 3-Point arm hitch pins and bushings. Store hitch pins and bushings in lower clevises for reuse.
6. Be sure implement is clear of tractor and then drive tractor away from implement.

General Operation Instructions

By now you should have read your Operator’s Manual and properly installed your Land Pride 15 Series Core Aerator on your tractor. If you haven’t, please do so now.

Using a core type Aerator is a fairly simple task but there are a few things you need to consider before beginning. If you are aerating in an area that uses a sprinkler system, you will need to mark the sprinkler heads with small warning flags so they can be avoided. You will also need to be aware of and mark any shallow buried telephone, TV, or electrical cables, or gas lines. Also you will want to avoid any sizable rocks or foreign material that might be embedded in the soil that could cause damage to the aerating spoons.

Now that you know where you are going to aerate and what precautions need to be taken, it is time to start the tractor and travel to the site where you intend to aerate. It is best to start in the middle of the field and gradually work your way to the outer perimeter with each pass. This will help keep you from compressing freshly pulled cores.

Begin by lowering the three-point hitch until the Aerator is fully on the ground with all the weight off of the tractor. Put the three-point in float position and pull ahead slowly to get the spoons into the ground. Gradually increase ground speed to approximately 5mph. Do not make sharp turns with the Aerator in the ground as equipment damage may result. At the end of each pass, lift the Aerator out and off of the ground until you have realigned the tractor for the next pass. Look back often to observe your pattern and to make sure you are getting good soil penetration. If you aren’t achieving the desired penetration, you may need to add more weight or wait until after a rain or after irrigation has been applied to soften the ground.

Usually allow about twelve to twenty-four hours after pulling the cores before pulverizing the solid parts left on the ground with a drag mat. The pulverizing action of the drag mat breaks up the soil portion of the core which is redistributed into the undisturbed thatch layer setting off a microbial action that accelerates thatch breakdown. The vegetation portion of the core remains on the surface for debris collection or destruction by a mulching mower.

With very little practice you should become very proficient and effective with your Land Pride 15 Series Core Aerator.

At the completion of the aeration task the Aerator should be washed, cleaned, and lubricated. Any lodged cores should be cleaned out of the spoons. Units being put up for the winter should be stored in a dry and well drained area with the storage stands down.
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. Check all bolts after using the unit for several hours to be sure they are tight. Replace any worn, damaged, or illegible safety labels by obtaining new labels from your Land Pride dealer.

The parts on your CA15 Series Core Aerator have been specially designed and should only be replaced with genuine Land Pride parts. Do not alter the equipment in a way which adversely affect its performance or reliability.

⚠️ 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:
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.

Clean Spoons

The core Aerator efficiency is greatly reduced when the spoons become plugged with dirt and debris. Remove dirt and debris with a tool such as a screw driver or any other hard pointed object. To make the job easier, clean spoons immediately after operation. If needed, soak spoons in water to soften the dirt and debris.

Long Term Storage

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

1. Remove any dirt and grease that may have accumulated on the Aerator and moving parts. Remove dirt and debris that become plugged in the spoons with a screw driver or any hard pointed object.
2. Wash Core Aerator surfaces thoroughly with a garden hose.
3. Inspect Aerator 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 aerosol touch-up paint. Paint is also available in touch-up bottles with brush, quarts, and gallon sizes by adding TU, QT, or GL to the end of the aerosol part number.

4. Replace all damaged or missing decals.
5. Lubricate as noted in “Lubrication” on page 12. A coating of oil may also be applied to unpainted areas to minimize oxidation.
6. Store Aerator on a level surface in a clean, dry place. Inside storage will reduce maintenance and make for a longer life.
7. Follow all unhooking instructions on page 10 when disconnecting tractor from the Aerator.
Lubrication

<table>
<thead>
<tr>
<th>Lubrication Legend</th>
<th>Intervals in hours at which lubrication is required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-purpose spray lube</td>
<td>8 Hours</td>
</tr>
<tr>
<td>Multi-purpose grease lube</td>
<td></td>
</tr>
<tr>
<td>Multi-purpose oil lube</td>
<td></td>
</tr>
</tbody>
</table>

**Rotor**

One zerk per rotor

Type of Lubrication: multi-purpose grease lube

Quantity = As Required
### CA15 Series

<table>
<thead>
<tr>
<th>Specifications &amp; Capacities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model No.</td>
</tr>
<tr>
<td>Working Width</td>
</tr>
<tr>
<td>Overall Width</td>
</tr>
<tr>
<td>Overall Length</td>
</tr>
<tr>
<td>Overall Height (With support stands up)</td>
</tr>
<tr>
<td>Weight</td>
</tr>
<tr>
<td>Max. allowable added weight in Weight Tray</td>
</tr>
<tr>
<td>Number Of Spoons</td>
</tr>
<tr>
<td>Spoon Material</td>
</tr>
<tr>
<td>Spoon Spacing in forward travel</td>
</tr>
<tr>
<td>Spoon Penetration</td>
</tr>
<tr>
<td>Plug Size</td>
</tr>
<tr>
<td>Gang spacing</td>
</tr>
<tr>
<td>Number of Gangs</td>
</tr>
<tr>
<td>Frame Construction</td>
</tr>
<tr>
<td>Hitch</td>
</tr>
<tr>
<td>Quick Hitch</td>
</tr>
<tr>
<td>Number of Support Stands</td>
</tr>
</tbody>
</table>

![Diagram of CA15 Series Core Aerators](27981)
## Section 6: Features & Benefits

### CA15 Series

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cat. 0, Cat. 1 and Cat. 1 Limited Hitch</td>
<td>Fits many of the smaller tractors and fits Land Pride Quick Hitch</td>
</tr>
<tr>
<td>4 Sizes 48&quot;, 56&quot;, 64&quot; &amp; 72&quot;</td>
<td>Great sizes for small landscapers, golf courses, campuses, and cities.</td>
</tr>
<tr>
<td>Formed 10 Ga. mainframe and rotary supports</td>
<td>Formed 10 Ga. plates offers good strength and appearance.</td>
</tr>
<tr>
<td>Expanded metal in weight tray</td>
<td>Adds safety over spoon area, doesn't allow foreign weight object to fall into spoon area, keeps cores from being thrown forward.</td>
</tr>
<tr>
<td>16 Ga. x 1/2&quot; I.D. harden spring steel spoons with beveled edge</td>
<td>Penetrates the ground easier than spoons constructed of a heavier gage material and/or larger diameter bodies.</td>
</tr>
<tr>
<td>Individual Spoon Replacement</td>
<td>Requires removal of only two bolts to replace a worn-out spoon. Don’t have to disassemble the whole rotary section to get to the spoons.</td>
</tr>
<tr>
<td>4 1/2&quot; Gang spacing</td>
<td>Offers optimum core pulling pattern.</td>
</tr>
<tr>
<td>Spoon gangs</td>
<td>Spoon gangs are independent of each other allowing for less side load torque on each gang and tearing of the turf during turns.</td>
</tr>
<tr>
<td>Spoon gang greasing</td>
<td>Each gang has a grease zerk for smooth rotation.</td>
</tr>
<tr>
<td>3 - Storage stands</td>
<td>Keeps the spoons off the ground while in storage and aids in hooking-up to the tractor.</td>
</tr>
<tr>
<td>6 3/16” Spoon spacing – forward travel</td>
<td>Offers optimum aeration.</td>
</tr>
<tr>
<td>48&quot; = 4.5 Aeration cores per sq. ft. 56&quot; = 4.7 Aeration cores per Sq. ft. 64&quot; = 4.8 Aeration cores per Sq. ft. 72&quot; = 5.0 Aeration cores per Sq. ft.</td>
<td>Provides good aeration per square foot.</td>
</tr>
<tr>
<td>Weight tray</td>
<td>Additional weight can be easily added to the aerator.</td>
</tr>
</tbody>
</table>
## CA15 Series Troubleshooting Chart

<table>
<thead>
<tr>
<th>Problem</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spoons bending sideways</td>
<td>Raise the Core Aerator so the spoons are not engaged in the ground before attempting to turn</td>
</tr>
<tr>
<td>Bending frame and or spoons</td>
<td>Do not operate the Core Aerator on concrete, asphalt, or blacktop. Do not run over solid objects such as tree stumps, rocks, curbs, etc.</td>
</tr>
<tr>
<td>Spoons won’t go into ground</td>
<td>Make sure the 3-Point has not been properly lowered to the ground. Extra weight may need to be added to the weight tray (Refer to instructions for the “Weight Tray” on page 8). Do not allow Riders for extra weight! There may not be enough moisture in the ground. Wait for rain or irrigate the field. The spoons may be clogged due to improper cleaning from the previous use. Refer to “Clean Spoons” on page 11.</td>
</tr>
</tbody>
</table>
# Torque Values Chart

## Torque Values Chart for Common Bolt Sizes

<table>
<thead>
<tr>
<th>Bolt Size</th>
<th>Grade 2</th>
<th>Grade 5</th>
<th>Grade 8</th>
<th>Bolt Size</th>
<th>Class 5.8</th>
<th>Class 8.8</th>
<th>Class 10.9</th>
</tr>
</thead>
<tbody>
<tr>
<td>in-tpi 1</td>
<td>N · m 2</td>
<td>ft-lb 3</td>
<td>N · m</td>
<td>in-tpi 4</td>
<td>N · m</td>
<td>ft-lb</td>
<td>N · m</td>
</tr>
<tr>
<td>1/4&quot; - 20</td>
<td>7.4</td>
<td>5.6</td>
<td>11</td>
<td>8</td>
<td>16</td>
<td>12</td>
<td>M 5 X 0.8</td>
</tr>
<tr>
<td>1/4&quot; - 28</td>
<td>8.5</td>
<td>6</td>
<td>13</td>
<td>10</td>
<td>18</td>
<td>14</td>
<td>M 6 X 1</td>
</tr>
<tr>
<td>5/16&quot; - 18</td>
<td>15</td>
<td>11</td>
<td>24</td>
<td>17</td>
<td>33</td>
<td>25</td>
<td>M 8 X 1.25</td>
</tr>
<tr>
<td>5/16&quot; - 24</td>
<td>17</td>
<td>13</td>
<td>26</td>
<td>19</td>
<td>37</td>
<td>27</td>
<td>M 8 X 1</td>
</tr>
<tr>
<td>3/8&quot; - 16</td>
<td>27</td>
<td>20</td>
<td>42</td>
<td>31</td>
<td>59</td>
<td>44</td>
<td>M10 X 1.5</td>
</tr>
<tr>
<td>3/8&quot; - 24</td>
<td>31</td>
<td>22</td>
<td>47</td>
<td>35</td>
<td>67</td>
<td>49</td>
<td>M10 X 0.75</td>
</tr>
<tr>
<td>7/16&quot; - 14</td>
<td>43</td>
<td>32</td>
<td>67</td>
<td>49</td>
<td>95</td>
<td>70</td>
<td>M12 X 1.75</td>
</tr>
<tr>
<td>7/16&quot; - 20</td>
<td>49</td>
<td>36</td>
<td>75</td>
<td>55</td>
<td>105</td>
<td>78</td>
<td>M12 X 1.5</td>
</tr>
<tr>
<td>1/2&quot; - 13</td>
<td>66</td>
<td>49</td>
<td>105</td>
<td>76</td>
<td>145</td>
<td>105</td>
<td>M12 X 1</td>
</tr>
<tr>
<td>1/2&quot; - 20</td>
<td>75</td>
<td>55</td>
<td>115</td>
<td>85</td>
<td>165</td>
<td>120</td>
<td>M14 X 2</td>
</tr>
<tr>
<td>9/16&quot; - 12</td>
<td>95</td>
<td>70</td>
<td>150</td>
<td>110</td>
<td>210</td>
<td>155</td>
<td>M14 X 1.5</td>
</tr>
<tr>
<td>9/16&quot; - 18</td>
<td>105</td>
<td>79</td>
<td>165</td>
<td>120</td>
<td>235</td>
<td>170</td>
<td>M16 X 2</td>
</tr>
<tr>
<td>5/8&quot; - 11</td>
<td>130</td>
<td>97</td>
<td>205</td>
<td>150</td>
<td>285</td>
<td>210</td>
<td>M16 X 1.5</td>
</tr>
<tr>
<td>5/8&quot; - 18</td>
<td>150</td>
<td>110</td>
<td>230</td>
<td>170</td>
<td>325</td>
<td>240</td>
<td>M18 X 2.5</td>
</tr>
<tr>
<td>3/4&quot; - 10</td>
<td>235</td>
<td>170</td>
<td>360</td>
<td>265</td>
<td>510</td>
<td>375</td>
<td>M18 X 1.5</td>
</tr>
<tr>
<td>3/4&quot; - 16</td>
<td>260</td>
<td>190</td>
<td>405</td>
<td>295</td>
<td>570</td>
<td>420</td>
<td>M20 X 2.5</td>
</tr>
<tr>
<td>7/8&quot; - 9</td>
<td>225</td>
<td>165</td>
<td>585</td>
<td>430</td>
<td>820</td>
<td>605</td>
<td>M20 X 1.5</td>
</tr>
<tr>
<td>7/8&quot; - 14</td>
<td>250</td>
<td>185</td>
<td>640</td>
<td>475</td>
<td>905</td>
<td>670</td>
<td>M24 X 3</td>
</tr>
<tr>
<td>1&quot; - 8</td>
<td>340</td>
<td>250</td>
<td>875</td>
<td>645</td>
<td>1230</td>
<td>910</td>
<td>M24 X 2</td>
</tr>
<tr>
<td>1&quot; - 12</td>
<td>370</td>
<td>275</td>
<td>955</td>
<td>705</td>
<td>1350</td>
<td>995</td>
<td>M30 X 3.5</td>
</tr>
<tr>
<td>1-1/8&quot; - 7</td>
<td>480</td>
<td>355</td>
<td>1080</td>
<td>795</td>
<td>1750</td>
<td>1290</td>
<td>M30 X 2</td>
</tr>
<tr>
<td>1-1/8&quot; - 12</td>
<td>540</td>
<td>395</td>
<td>1210</td>
<td>890</td>
<td>1960</td>
<td>1440</td>
<td>M36 X 3.5</td>
</tr>
<tr>
<td>1-1/4&quot; - 7</td>
<td>680</td>
<td>500</td>
<td>1520</td>
<td>1120</td>
<td>2460</td>
<td>1820</td>
<td>M36 X 2</td>
</tr>
<tr>
<td>1-1/4&quot; - 12</td>
<td>750</td>
<td>555</td>
<td>1680</td>
<td>1240</td>
<td>2730</td>
<td>2010</td>
<td>M42 X 3</td>
</tr>
<tr>
<td>1-3/8&quot; - 6</td>
<td>890</td>
<td>655</td>
<td>1990</td>
<td>1470</td>
<td>3230</td>
<td>2380</td>
<td>M42 X 2</td>
</tr>
<tr>
<td>1-3/8&quot; - 12</td>
<td>1010</td>
<td>745</td>
<td>2270</td>
<td>1670</td>
<td>3680</td>
<td>2710</td>
<td>M42 X 1</td>
</tr>
<tr>
<td>1-1/2&quot; - 6</td>
<td>1180</td>
<td>870</td>
<td>2640</td>
<td>1950</td>
<td>4290</td>
<td>3160</td>
<td>M42 X 1.5</td>
</tr>
<tr>
<td>1-1/2&quot; - 12</td>
<td>1330</td>
<td>980</td>
<td>2970</td>
<td>2190</td>
<td>4820</td>
<td>3560</td>
<td>M42 X 2</td>
</tr>
</tbody>
</table>

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
Spoons: Considered wear items

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

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

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

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

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

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

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 ____________________