Core Aerators
CA2560 & CA2572

325-020M
Operator’s Manual

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

Cover photo may show optional equipment not supplied with standard unit.
For an Operator’s Manual and Decal Kit in French Language, please see your Land Pride dealer.

Printed 12/10/18
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.

### Dealer Contact Information

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

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California Proposition 65

⚠️ WARNING: Cancer and reproductive harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)
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12/10/18 CA2560 & CA2572 Core Aerators 325-020M
See previous page for Table of Contents.
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.
- 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.
- Allow equipment to cool before working on it.
- Disconnect battery ground cable (-) before servicing or adjusting electrical systems or before welding on implement.
- Inspect all parts. Make certain parts are in good condition & installed properly.
- Replace parts on this implement with genuine Land Pride parts only. Do not alter this implement in a way which will adversely affect its performance.
- Do not grease or oil implement while it is in operation.
- Remove buildup of grease, oil, or debris.
- Always make sure any material and waste products from the repair and maintenance of the implement are properly collected and disposed.
- Remove all tools and unused parts 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

Avoid High Pressure Fluids Hazard

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.
Introduction

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 machine.

Application

The Land Pride 25 Series Core Aerators are designed for Category 1 - three-point hitch or Quick-Hitch System mounting. The 25 Series Core Aerators are adapted for attachment to tractors capable of properly lifting, lowering, and transporting up to 1200 lbs. on the three-point hitch. These Aerators come in 60" and 72" working widths.

The 25 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. The 25 series Aerators utilize replaceable case hardened closed spoons mounted on weighted rotating discs. These spoons pull cores up to 3" in length from the soil profile every 7" of forward travel. The lateral gang spacing on the CA256 is 5 1/2" and 6 1/2" on the CA2572. Pulled cores are deposited on the surface for subsequent drying, pulverization, or removal. In order to achieve maximum penetration the CA2560 & CA2572 offer optional poly water tanks that fit in the top mounted weight trays. When filled with water these tanks provide significantly increased down pressure on the spoons.

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 25 Series Core Aerator will help provide seasonal relief. See “Specifications & Capacities” on page 16 and “Features & Benefits” on page 17 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
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
General Description
This unit is shipped partially assembled. It is the Dealerships responsibility to finish the assembly.

Tools Required
- Lift truck or hoist capable of handling the load
- Wrench set
- Socket set

Unloading Instructions

WARNING
To avoid serious injury or death:
- Never allow anyone under the unit while unloading it.

Remove cratered Aerator from the flat bed trailer with a lifting devise designed for handling the load. Gently set the crate down on a smooth flat work surface. Carefully uncrate the unit to protect against scratching and/or damaging the paint.

Torque Requirements
Refer to “Torque Values Chart For Common Bolt Size” on page 19 to determine correct torque values when tightening hardware.

Assembly Instructions
Review all safety instructions printed in this manual before assembling the Aerator.

NOTE: Do not tighten the hardware until assembly is complete.

Hitch Assembly
Refer to Figure 1-1:
1. Install upper hitches (#1) & (#2) to frame using 1/2” x 1 1/2” bolts (#3), lock washers (#4) & nuts (#5).
2. Install bushing (#6) between upper hitches with 3/4” x 4” long bolt (#7), lock washer (#8) and nut (#9).
3. Tighten all hardware using torque requirements on page 19.
Optional Weight Tanks

**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.

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Refer to Figure 1-2:

Additional weight may be added to Models CA2560 and CA2572 Core Aerators with weight tanks that can be filled with water.

1. Attach water tanks (#2) to Aerator frame with 3/8”-16 x 1” GR5 cap screws (#6), lock washers (#5) and flat washers (#4). Tighten bolts to the correct torque.

2. Make sure vented caps (#1) and drain plugs (#3) are screwed on tight to the weight tanks.
Section 2: Adjustments

Park Stands

Storage Position Without Added Weight
Refer to Figure 2-1:
Park stands may be adjusted fully down so that the Core Aerator spoons are supported above ground as shown in Figure 2-1. Use this position only when parking the Core Aerator without weight added to the unit.

Storage Position With Added Weight
Refer to Figure 2-2:
If weight has been added to the unit, the park stands must be adjusted so that the Aerator spoons rest on level ground as shown in Figure 2-2.

Field Working Position
Refer to Figure 2-3:
The four park stands should be fully raised for working and while transporting.
Startup Checklist
Hazard control and accident prevention are dependent upon the awareness, concern, prudence and proper training involved in the operation, transport, maintenance and storage of the 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.

<table>
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<tr>
<th>Operating Checklist</th>
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<tr>
<td>Read and follow all Safety Rules carefully. Refer to “Important Safety Information”.</td>
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<td>Read and follow all preparation instructions. Refer to “Section 1: Assembly and Set-Up”</td>
</tr>
<tr>
<td>Read and make all required adjustments. Refer to “Section 2: Adjustments”.</td>
</tr>
<tr>
<td>Read and follow Hook-up &amp; all operating procedures. Refer to “Section 3: Operating Instructions”.</td>
</tr>
<tr>
<td>Read and follow all Maintenance Instructions. Refer to “Section 5: Maintenance and Lubrication”.</td>
</tr>
<tr>
<td>Read and follow all Lubrication Instructions. Refer to “Lubrication”.</td>
</tr>
<tr>
<td>Check Aerator initially and periodically for loose bolts and pins. Refer to “Torque Values Chart For Common Bolt Size”.</td>
</tr>
</tbody>
</table>

Operator Safety

⚠️ DANGER
To avoid serious injury or death:

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

- Keep bystanders and animals away from machinery while in operation. They can become entangled in the equipment, hit by throwing objects, or ran over.

⚠️ WARNING
To avoid serious injury or death:

- Allow only persons to operate this implement who have fully read and comprehended this manual, who have been properly trained in the safe operation of this implement, and who are age 16 or older. Serious injury or death can result from the inability to read, understand, and follow instructions provided in this manual.

- Never carry riders on the implement or 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 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.

- Operate only power machines equipped with a certified Roll-Over Protective Structure (ROPS) and seat belt. Keep folding ROPS in the “locked up” position when appropriate. If ROPS is in the locked up position, fasten seat belt snugly and securely to help protect against serious injury or death from falling and machine overturn.

- 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.

- 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.

- 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. Doing so can damage the spoon, tires and Aerator frame.

4. Make gradual turns with spoon in the ground. Too sharp a turn can break the spoon.

5. Do not turn tractor tires into the tongue, spoon 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 spoon and frame.

7. Do not use spoon to tear up asphalt or for anything other than to aerate soil.

8. If the area being worked has a sprinkler system, locate and mark sprinkler heads with warning flags so they can be avoided.

9. 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.
Tractor Hook-Up
Refer to Figure 3-1:

⚠️ DANGER
To avoid serious injury or death:
A crushing hazard exists while hooking-up and unhooking implement. Keep people and animals away while backing-up to implement or pulling away from implement. Do not operate hydraulic controls while a person or animal is directly behind the power machine or near the implement.

⚠️ WARNING
To avoid serious injury or death:
- Make sure the 3-point hitch pins are secured with their keeper to help protect against the implement becoming unhooked causing loss of control.
- Lightweight tractors with rear attached implements may need weights added to the front to maintain steering control. Consult your tractor Operator’s Manual to determine proper weight requirements and maximum weight limitations.
- Always shut tractor down using “Tractor Shutdown Procedure” provided in this manual before allowing anyone including the operator to hook-up and unhook implement.

NOTE: Land Pride’s Quick Hitch can be attached to the tractor to provide quick and easy 3-point hook-up and detachment. An additional driveline may be required if a Quick Hitch is used. See your nearest Land Pride dealer to purchase a Quick Hitch.

NOTE: Supplied with the Core Aerator are two lower bushing (#3) for hooking-up with a Quick-hitch. Do not use lower bushings when connecting directly to the tractor’s 3-point lift arms.

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 lift arms are aligned with Aerator’s lower hitch clevises.
4. Shut the tractor down before dismounting. Refer to “Tractor Shutdown Procedure” on page 12.
5. Secure tractor’s 3-point lift arms to the lower hitch clevises as follows:
   - **Standard Tractors**
     Attach 3-point lower arms to the upper clevis holes with 7/8” diameter hitch pins (#2) and secure with linchpins (#1). 7/8” Hitch pins are furnished with the Aerator.
   - **Compact Tractors**
     Attach 3-point lower lift arms to the lower clevis holes with 7/8” diameter hitch pins (#2) and secure with linchpins (#1). Hitch pins and linchpins are furnished with the Aerator.
6. Secure tractor’s top center link to the Aerator’s top hitch using a 3/4” diameter hitch pin (#5) and hitch pin keeper (#4). Hitch pin and keeper are supplied by customer.
7. With tractor hydraulics, raise aerator just enough to remove all loads on the park stands (#6).
8. Without lowering the aerator, shut tractor down using “Tractor Shutdown Procedure” on page 12.
9. Remove wire retaining pins (#6) and raise park stands (#7) up.
10. Secure park stands in the field position with wire retaining pins (#6). See “Park Stands” on page 9
11. 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.
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.

Quick Hitch Hook-Up
Refer to Figure 3-1 on page 11:
Land Pride’s Model QH15 Quick hitch fits the Core Aerator’s Cat. I hitch. If using a compact tractor that cannot lift the Aerator high enough for transport, move 7/8” hitch pins and Quick Hitch bushing to the lowest holes in the 3-point clevises. The Upper J-hook of the Quick Hitch will need to be adjusted vertically to accommodate center hook-up. Other brands that do not have an adjustable J-hook may not fit when using the lowest 3-point hitch holes.

Leveling Adjustments
1. 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.
2. Without lowering the aerator, shut tractor down using “Tractor Shutdown Procedure” on this page.

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 front mainframe tube. Level mainframe from left to right by adjusting one of the tractor’s lower 3-point arms up or down.
2. Start tractor and lower the tractor’s 3-point hitch until all weight is off of tractor.
3. Shut tractor down before dismounting using “Tractor Shutdown Procedure” on this page.
4. Rotate level 90 degrees and place across end of mainframe. Adjust tractor’s top center link until mainframe is level from front to back.

Transporting

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

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 Core Aerator from the tractor:

1. Park tractor and Core Aerator on a solid level surface. Lower Aerator until it is approximately 2” to 3” off the ground.
2. Without lowering the aerator, shut tractor down using “Tractor Shutdown Procedure” on this page.
3. Lower park stands to the correct height. Refer to “Park Stands” on page 9.
4. Starting tractor and lower tractor’s 3-point hitch until the weight of the aerator is off of tractor.
5. Shut tractor down before dismounting using “Tractor Shutdown Procedure” on this page.
6. Remove center hitch pin. Store hitch pin and keeper in a safe location for reuse.
8. Be sure implement is clear of the tractor and then drive tractor away from implement.
Long-Term Storage
Clean, inspect, service, and make necessary repairs to the implement when storing it for long periods and at the end of the season. This will help to ensure the unit is ready for field use the next time you hook-up to it.

1. Clean off any dirt and grease that may have accumulated on the Core Aerator. Scrape off compacted dirt. Clean out cores lodged in the spoon. See “Cleaning the Spoons” on page 15.

2. When finished cleaning and scraping dirt and grease off, wash the surfaces thoroughly with a garden hose.

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

4. 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.

5. Replace all damaged or missing decals.

6. Lubricate as noted in “Lubrication” starting on page 15.

7. Store Core Aerator on a level surface in a clean, dry place. Inside storage will reduce maintenance and increase the implements life.

8. Follow all unhooking instructions on page 12.

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

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

- 81 . . . . . . Green
- 82 . . . . . . Orange
- 83 . . . . . . Red
- 84 . . . . . . 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.

General Operation Instructions
By now you should have read your Operator’s Manual and properly installed your Land Pride 25 Series Core Aerator on your tractor. If you haven't, please do so now.

Using the Core 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. 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 spoon. Most important, do not work over underground electrical wiring or gas lines.

**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.

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 also 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 softened 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 25 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 also have water drained from the weight tanks and storage stands should be put in place. Store in a dry and well drained area.
Weight Tanks

**WARNING**
To avoid serious injury or death:

- Never allow riders for the purpose of adding extra weight to the unit.
- 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.
- 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.

Refer to Figure 4-1:
Weight may be added installing optional Land Pride poly water tanks. Bricks, sand bags, blocks, etc. may be added if fastened securely to the frame. Do not exceed the following weight limits:

Model CA2560 .......................... 500 lbs.
Model CA2572 .......................... 600 lbs.

For additional information, see “Optional Weight Tanks” on page 8 and “Specifications and Capacities” on page 16.

See your nearest Land Pride Dealer to purchase the tanks.

<table>
<thead>
<tr>
<th>Land Pride Weight Tanks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Part No.</strong></td>
</tr>
<tr>
<td>325-026A</td>
</tr>
<tr>
<td>325-025A</td>
</tr>
</tbody>
</table>
Section 5: Maintenance and Lubrication

Lubrication

**Legend**

<table>
<thead>
<tr>
<th>Lubrication Type</th>
<th>Intervals in hours at which lubrication is required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-purpose spray lube</td>
<td>50 Hrs</td>
</tr>
<tr>
<td>Multi-purpose grease lube</td>
<td>8 Hours</td>
</tr>
<tr>
<td>Multi-purpose oil lube</td>
<td></td>
</tr>
</tbody>
</table>

**Rotor**

Six places

Type of Lubrication: multi-purpose grease lube
Quantity = As Required

---

Maintenance

**General**

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.

After using the unit for several hours, check all bolts to be sure they are tight.

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

**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. Serious breakdowns can result in 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.**

**Cleaning the Spoons**

The spoons should be cleaned immediately after operation for easier cleaning.

The spoons can get plugged with dirt or debris. This can be removed with the use of a tool such as a screw driver or any hard pointed object. Clogged spoons reduce the efficiency of the Core Aerator.
### Section 6: Specifications & Capacities

#### CA25 Series

<table>
<thead>
<tr>
<th>Specifications &amp; Capacities</th>
<th>CA2560</th>
<th>CA2572</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model No.</strong></td>
<td>CA2560</td>
<td>CA2572</td>
</tr>
<tr>
<td><strong>Working Width</strong></td>
<td>60&quot;</td>
<td>72&quot;</td>
</tr>
<tr>
<td><strong>Overall Width</strong></td>
<td>68 3/4&quot;</td>
<td>79 3/4&quot;</td>
</tr>
<tr>
<td><strong>Overall Length</strong></td>
<td>30 1/4&quot;</td>
<td>42&quot;</td>
</tr>
<tr>
<td><strong>Overall Height (With support stands up)</strong></td>
<td>42&quot;</td>
<td></td>
</tr>
<tr>
<td><strong>Weight (w/o added weight)</strong></td>
<td>464#</td>
<td>480#</td>
</tr>
<tr>
<td><strong>Number Of Spoons</strong></td>
<td>96</td>
<td>96</td>
</tr>
<tr>
<td><strong>Spoon Material</strong></td>
<td>3/4&quot; Closed case hardened Replaceable.</td>
<td></td>
</tr>
<tr>
<td><strong>Spoon Spacing in forward travel</strong></td>
<td>7&quot;</td>
<td></td>
</tr>
<tr>
<td><strong>Spoon Penetration</strong></td>
<td>4 1/2&quot; Depending on ground conditions and added weight.</td>
<td></td>
</tr>
<tr>
<td><strong>Plug size</strong></td>
<td>3/4&quot; Diameter</td>
<td></td>
</tr>
<tr>
<td><strong>Gang Spacing</strong></td>
<td>5 1/2&quot;</td>
<td>6 1/2&quot;</td>
</tr>
<tr>
<td><strong>Number of Gangs</strong></td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td><strong>Frame Construction</strong></td>
<td>Tubing 2 1/2&quot; x 2 1/2&quot; x 3/16&quot;</td>
<td></td>
</tr>
<tr>
<td><strong>Hitch</strong></td>
<td>Cat. 1</td>
<td></td>
</tr>
<tr>
<td><strong>Quick Hitch</strong></td>
<td>Fits Land Pride’s Model QH15 Quick Hitch</td>
<td></td>
</tr>
<tr>
<td><strong>Support Stands</strong></td>
<td>Support stands in all four corners</td>
<td></td>
</tr>
<tr>
<td><strong>Water Tank Capacity (gallons per tank)</strong></td>
<td>29 gallons per tank</td>
<td>36 gallons per tank</td>
</tr>
<tr>
<td><strong>Full Water Tank Weight (2-tanks)</strong></td>
<td>490 lbs. Total weight</td>
<td>600 lbs. Total weight</td>
</tr>
</tbody>
</table>

![Diagram of CA25 Series](image)

---

**Note:** The images on the page are not included in the text representation. The diagram is not described in detail here, but it is referred to as a Line Drawing that shows the dimensions and layout of the CA25 Series aerators.
## CA25 Series

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Sizes 60&quot; &amp; 72&quot;</td>
<td>Great sizes for small landscapers to golf courses, campuses, cities.</td>
</tr>
<tr>
<td>Cat. 1 Hitch</td>
<td>Fits Land Pride Quick-Hitch, and stout enough to work with any Cat. 1 tractor.</td>
</tr>
<tr>
<td>Plate steel 'A' frame</td>
<td>Plate steel offers greater strength from natural force applied downward from tractor top link.</td>
</tr>
<tr>
<td>Tubular Construction</td>
<td>2 1/2&quot; x 2 1/2&quot; x 3/16&quot; Tubing vs. angle iron offers greater strength as well as gives a better 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>Hardened steel spoons</td>
<td>3/4&quot; ID spoons, with 3 mm wall thickness and beveled edge penetrate the ground easier than thicker OD spoons, but are just as strong.</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>5 1/2&quot; Gang spacing on 60&quot; units 6 1/2&quot; Gang spacing on 72&quot; units</td>
<td>5 1/2&quot; on 60&quot; Units, 6 1/2&quot; on 72&quot; unit 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>Storage stands</td>
<td>Each corner has a storage stand to aid in off the ground storing, as well as aiding in hooking to the tractor.</td>
</tr>
<tr>
<td>Spoon spacing – forward travel</td>
<td>7&quot; Spacing in forward travel offers optimum aeration.</td>
</tr>
<tr>
<td>Sq. foot aeration</td>
<td>4 Cores per sq. ft. on 72&quot; unit, and 6 cores per sq. ft. on 60&quot;.</td>
</tr>
<tr>
<td>Optional Water Tanks</td>
<td>Easily add up to 490 lbs. to the 60&quot; and 600 lbs. to the 72&quot; to aid in compacted soil conditions. Can easily reduce weight by draining tank incrementally. Water tanks are safer due to precise fit and fastening vs. stacking inconsistent sized objects and difficulty in uniform fastening.</td>
</tr>
</tbody>
</table>
## CA25 Series Troubleshooting

<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 lowered to the ground.</td>
</tr>
<tr>
<td></td>
<td>Extra weight may need to be added to the frame (refer to adding weight in operating instructions). <em>Do not allow Riders for extra weight!</em></td>
</tr>
<tr>
<td></td>
<td>There may not be enough moisture in the ground</td>
</tr>
<tr>
<td></td>
<td>The spoons may be clogged due to improper cleaning from the previous use. Refer to “Cleaning the Spoons” page 15.</td>
</tr>
</tbody>
</table>
## Torque Values Chart for Common Bolt Size

<table>
<thead>
<tr>
<th>Bolt Size (inches)</th>
<th>Bolt Head Identification</th>
<th>Bolt Size (Metric)</th>
<th>Bolt Head Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Grade 2</td>
<td>Grade 5</td>
<td>Grade 8</td>
</tr>
<tr>
<td>1/4&quot; - 20</td>
<td>7.4 N·m</td>
<td>5.6 N·m</td>
<td>11 ft-lb</td>
</tr>
<tr>
<td>1/4&quot; - 28</td>
<td>8.5 N·m</td>
<td>6 N·m</td>
<td>13 ft-lb</td>
</tr>
<tr>
<td>5/16&quot; - 18</td>
<td>15 N·m</td>
<td>11 ft-lb</td>
<td>24 ft-lb</td>
</tr>
<tr>
<td>5/16&quot; - 24</td>
<td>17 N·m</td>
<td>13 ft-lb</td>
<td>26 ft-lb</td>
</tr>
<tr>
<td>3/8&quot; - 16</td>
<td>27 N·m</td>
<td>20 ft-lb</td>
<td>42 ft-lb</td>
</tr>
<tr>
<td>3/8&quot; - 24</td>
<td>31 N·m</td>
<td>22 ft-lb</td>
<td>47 ft-lb</td>
</tr>
<tr>
<td>7/16&quot; - 14</td>
<td>43 N·m</td>
<td>32 ft-lb</td>
<td>67 ft-lb</td>
</tr>
<tr>
<td>7/16&quot; - 20</td>
<td>49 N·m</td>
<td>36 ft-lb</td>
<td>75 ft-lb</td>
</tr>
<tr>
<td>1/2&quot; - 13</td>
<td>66 N·m</td>
<td>49 ft-lb</td>
<td>105 ft-lb</td>
</tr>
<tr>
<td>1/2&quot; - 20</td>
<td>75 N·m</td>
<td>55 ft-lb</td>
<td>115 ft-lb</td>
</tr>
<tr>
<td>9/16&quot; - 12</td>
<td>105 N·m</td>
<td>79 ft-lb</td>
<td>165 ft-lb</td>
</tr>
<tr>
<td>9/16&quot; - 18</td>
<td>105 N·m</td>
<td>79 ft-lb</td>
<td>165 ft-lb</td>
</tr>
<tr>
<td>5/8&quot; - 11</td>
<td>130 N·m</td>
<td>97 ft-lb</td>
<td>205 ft-lb</td>
</tr>
<tr>
<td>5/8&quot; - 18</td>
<td>150 N·m</td>
<td>110 ft-lb</td>
<td>230 ft-lb</td>
</tr>
<tr>
<td>3/4&quot; - 10</td>
<td>235 N·m</td>
<td>170 ft-lb</td>
<td>360 ft-lb</td>
</tr>
<tr>
<td>3/4&quot; - 16</td>
<td>260 N·m</td>
<td>190 ft-lb</td>
<td>405 ft-lb</td>
</tr>
<tr>
<td>7/8&quot; - 9</td>
<td>225 N·m</td>
<td>165 ft-lb</td>
<td>585 ft-lb</td>
</tr>
<tr>
<td>7/8&quot; - 14</td>
<td>250 N·m</td>
<td>185 ft-lb</td>
<td>640 ft-lb</td>
</tr>
<tr>
<td>1&quot; - 8</td>
<td>340 N·m</td>
<td>250 ft-lb</td>
<td>875 ft-lb</td>
</tr>
<tr>
<td>1&quot; - 12</td>
<td>370 N·m</td>
<td>275 ft-lb</td>
<td>955 ft-lb</td>
</tr>
<tr>
<td>1-1/8&quot; - 7</td>
<td>480 N·m</td>
<td>355 ft-lb</td>
<td>1080 ft-lb</td>
</tr>
<tr>
<td>1-1/8&quot; - 12</td>
<td>540 N·m</td>
<td>395 ft-lb</td>
<td>1210 ft-lb</td>
</tr>
<tr>
<td>1-1/4&quot; - 9</td>
<td>680 N·m</td>
<td>500 ft-lb</td>
<td>1520 ft-lb</td>
</tr>
<tr>
<td>1-1/4&quot; - 12</td>
<td>750 N·m</td>
<td>555 ft-lb</td>
<td>1680 ft-lb</td>
</tr>
<tr>
<td>1-3/8&quot; - 6</td>
<td>890 N·m</td>
<td>655 ft-lb</td>
<td>1990 ft-lb</td>
</tr>
<tr>
<td>1-3/8&quot; - 12</td>
<td>1010 N·m</td>
<td>745 ft-lb</td>
<td>2270 ft-lb</td>
</tr>
<tr>
<td>1-1/2&quot; - 6</td>
<td>1180 N·m</td>
<td>870 ft-lb</td>
<td>2640 ft-lb</td>
</tr>
<tr>
<td>1-1/2&quot; - 12</td>
<td>1330 N·m</td>
<td>980 ft-lb</td>
<td>2970 ft-lb</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
Water Tanks: 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 should be made to the dealer which originally sold the product and all warranty adjustments must be made through an authorized Land Pride dealer. Land Pride reserves the right to make changes in materials or design of the product at any time without notice.

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

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

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

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

Model Number ____________________ Serial Number ____________________