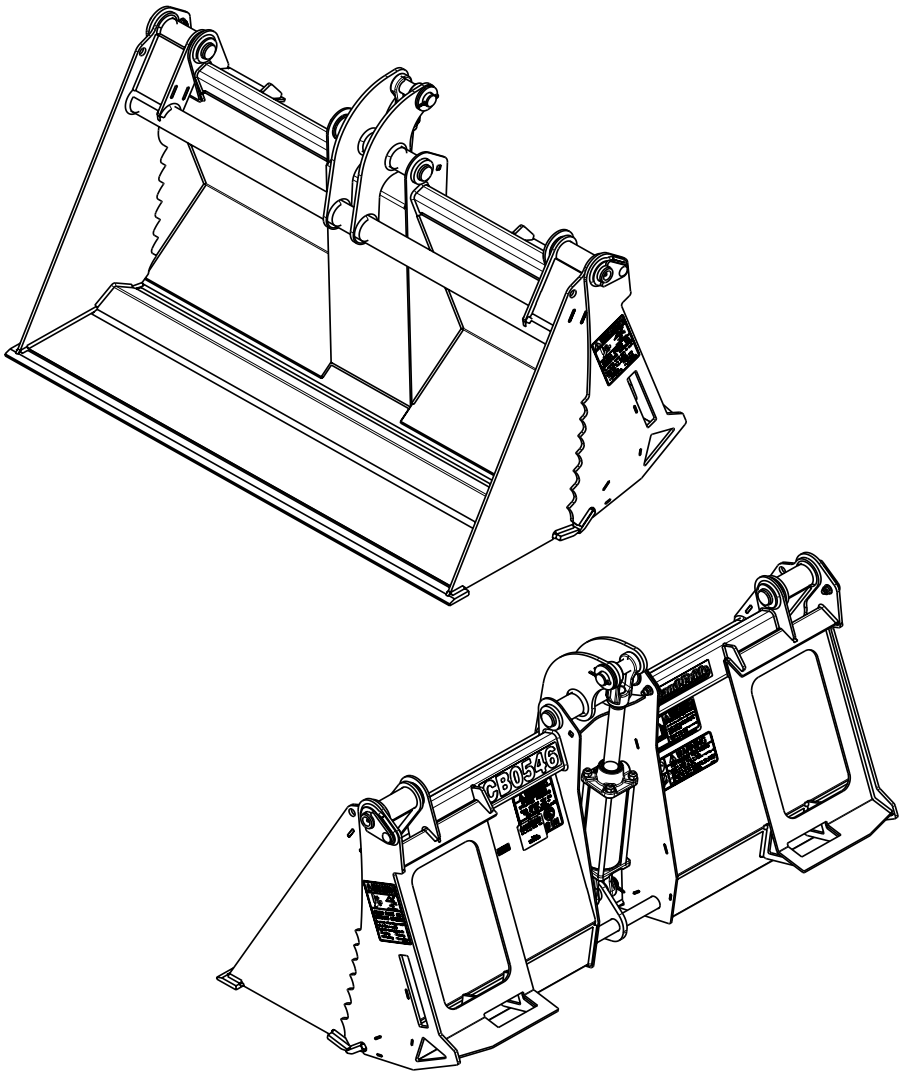
Table of Contents

4-in-1 Combination Bucket

CB0546

76874



381-208M
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 1/3/23

Machine Identification

Record your machine details in the log below. If you replace this manual, be sure to transfer this information to the new manual.

If you, or the dealer, have added Options not originally ordered with the machine, or removed Options that were originally ordered, the weights and measurements are no longer accurate for your machine. Update the record by adding the machine weight and measurements provided in the Specifications & Capacities Section of this manual with the Option(s) weight and measurements.

Model Number	
Serial Number	
Machine Height	
Machine Length	
Machine Width	
Machine Weight	
Delivery Date	
First Operation	
Accessories	

Dealer Contact Information

Name: _____

Street: _____

City/State: _____

Telephone: _____

Email: _____

California Proposition 65

⚠ **WARNING**: Cancer and reproductive harm - www.P65Warnings.ca.gov

Important Safety Information 1
Safety at All Times 1
Look for the Safety Alert Symbol 1
Be Aware of Signal Words. 1
Be Aware of Special Notices 1
Safety Labels 6
Introduction 8
Application 8
Patent-Pending 8
Using This Manual 8
Owner Assistance 8
Serial Number 8
Section 1: Assembly & Set-up 9
Tractor Requirements 9
Before You Start 9
Torque Requirements 9
Tractor Shutdown Procedure 9
Hook-up Combination Bucket 10
Hydraulic Hose Hook-Up 10
Check Equipment Clearances 11
Purge Hydraulic System 11
Unhook Combination Bucket 12
Section 2: Operating Procedures 13
Startup Checklist 13
General Inspection 13
Operating Safety 13
Transporting 15
Combination Bucket Operation 15
Operating Tips 15
Digging With The Bucket 16
Picking Up A Load With The Jaws/Clamshell . . . 16
Traveling With A Load 16
Releasing A Load 16
Scraping, Leveling, & Back Dragging 17
Dozing With The Bucket 17
General Operating Instructions 18
Section 3: Maintenance 19
General Maintenance Information 19
Long-Term Storage 19
Lubrication Points 20
Jaw Pivot Pins 20
Section 4: Specifications & Capacities 23
Section 5: Features & Benefits 24
Section 6: Troubleshooting 25
Section 7: Torque Values Chart 25
Section 8: Warranty 25

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Printed in the United States of America.

See previous page for Table of Contents.

Parts Manual QR Locator

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

Dealer QR Locator

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

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

Safety at All Times

Careful operation is your best assurance against an accident.

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

- ▲ 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 attachment and be able to handle emergencies quickly.
- ▲ Make sure all guards and shields appropriate for the operation are in place and secured before operating the attachment.
- ▲ 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 the attachment and tractor while connecting to the attachment.
- ▲ 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.
- ▲ Store attachment in a safe and secure 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 and extra precaution must be taken. When you see this symbol, be alert and carefully read the message that follows it. 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. They 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.

Be Aware of Special Notices

Special notices are intended to point out important and helpful information that should be followed. They are usually placed inside a box. They are:

IMPORTANT: Indicates that equipment or property damage could result if instructions are not followed.

NOTE: Indicates supplementary explanations that will be helpful when using the equipment.

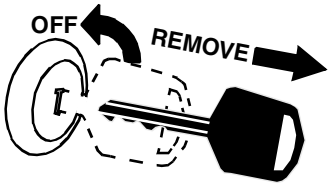
Safety Precautions for Children

Tragedy can occur if the operator is not alert to the presence of children. Children generally are attracted to attachments 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 attachment and tractor down if children enter the work area.
- ▲ Never carry children on the tractor or attachment. 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 attachment.
- ▲ 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 attachment until it is flat on the ground or on non-concrete support blocks.
- ▲ Put tractor in park or set park brake.
- ▲ Turn off engine and remove ignition 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.



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

Dig Safe - Avoid Underground Utilities

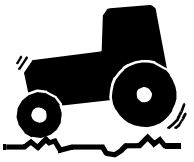
- **USA: Call 811**
  CAN: digsafecanada.ca
  Always contact your local utility companies (electrical, telephone, gas, water, sewer, and others) before digging so that they may mark the location of any underground services in the area.
- Be sure to ask how close you can work to the marks they positioned.

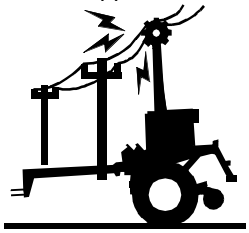
Transport Safely

- 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 unexpectedly. 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 skid steer on the “uphill” side.
- Engage park brake when stopped on an incline.
- Maximum transport speed for an attached equipment is 20 mph (32 km/h). 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 (32 km/h) when weight of attached equipment is less than or equal to the weight of machine towing the equipment.

  10 mph (16 km/h) when weight of attached equipment exceeds weight of machine towing equipment but not more than double the weight.
- **IMPORTANT:** Do not tow a load that is more than double the weight of the vehicle towing the load.





Tire Safety

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

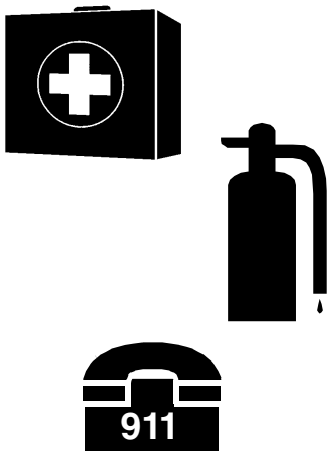
Practice Safe Maintenance

- Understand procedure before doing work. Refer to the Operator’s Manual for additional information.
- Work on a level surface in a clean dry area that is well-lit.
- Lower attachment to the ground and follow all shutdown procedures before leaving the operator’s seat to perform maintenance.
- Do not work under any hydraulically 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 equipment.
- Inspect all parts. Make certain that parts are in good condition & installed properly.
- Replace parts on this attachment with genuine Land Pride parts only. Do not alter this attachment in a way which will adversely affect its performance.
- Do not grease or oil attachment 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 attachment are properly collected and disposed.
- Remove all tools and unused parts before operation.

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

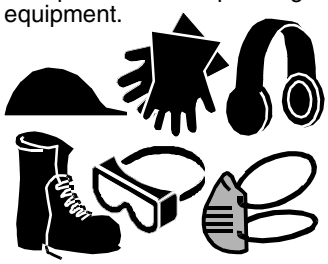
Prepare for Emergencies

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



Wear Personal Protective Equipment (PPE)

- ▲ Wear protective clothing and equipment appropriate for the job such as safety shoes, safety, glasses, hard hat, dust mask, 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 a machine safely requires the operator's full attention. Avoid wearing headphones while operating equipment.

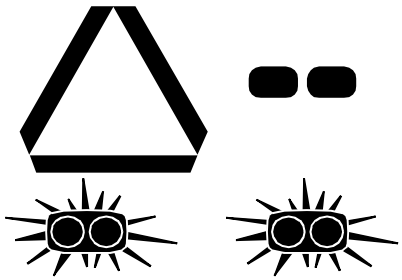


Avoid High Pressure Fluids

- ▲ Escaping fluid under pressure will penetrate the skin or eyes causing serious injury.
- ▲ Relieve all residual pressure before disconnecting hydraulic lines or performing work on the hydraulic system.
- ▲ Make sure all hydraulic fluid connections are properly tightened/torqued and all hydraulic hoses and lines are in good condition before applying pressure to the system.
- ▲ Use a piece of wood 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, seek immediate emergency medical care or gangrene may result.

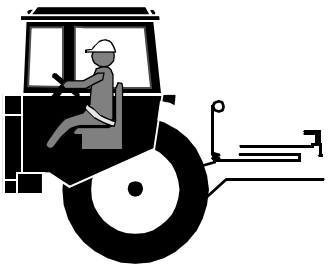
Use Safety Lights and Devices

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



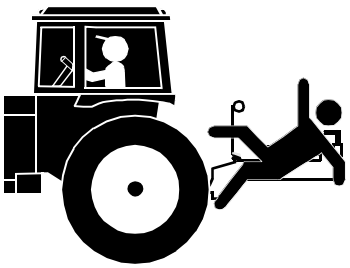
Use Seat Belt and ROPS

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



Keep Riders Off Machinery

- ▲ Never carry riders on tractor or attachment.
- ▲ 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 the tractor or attachment to lift or transport riders.

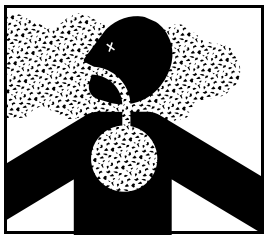


These are common practices that may or may not be applicable to the products described in this manual.

Avoid crystalline Silica (quartz) Dust

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

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



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

Handle Chemicals Properly

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

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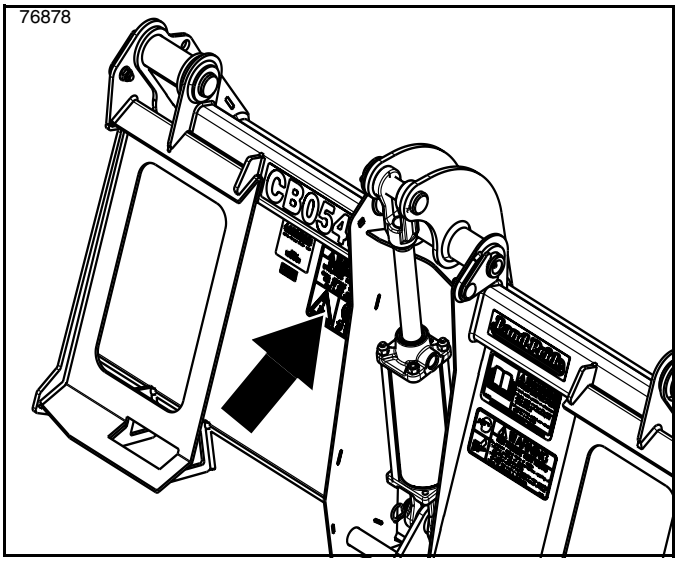
Safety Labels

Your 4-in-1 Combination Bucket comes equipped with all safety labels in place. They are designed to help you safely operate your attachment. 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.*

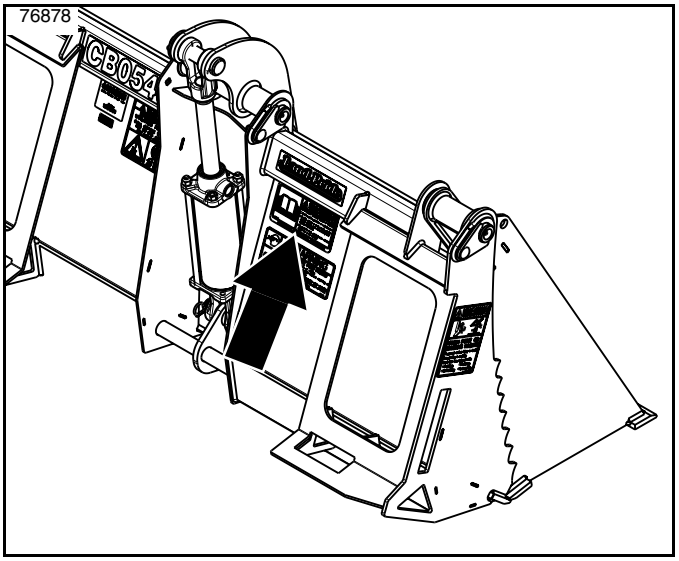


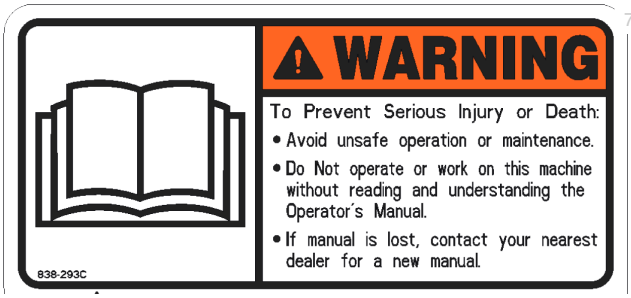
70743

858-237C

Warning: Underground Utilities Hazard

1 Place: On the backside of the bucket





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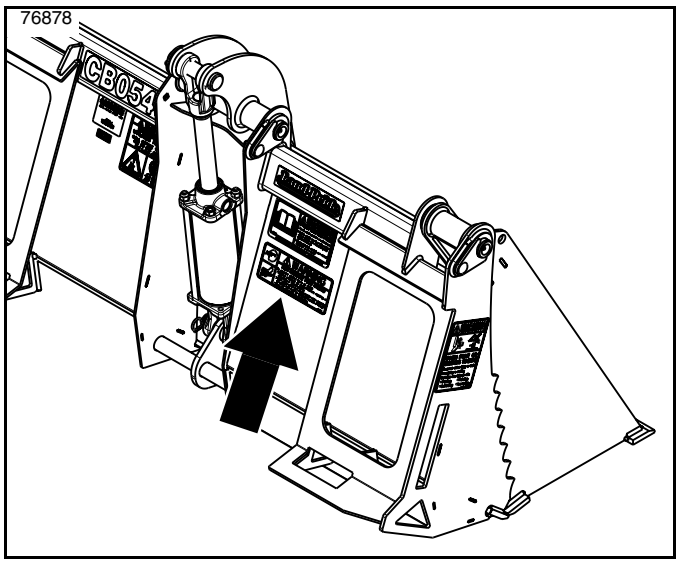
838-293C

Warning: Read Operator's Manual - General Warning

1 Place: On the backside of the bucket

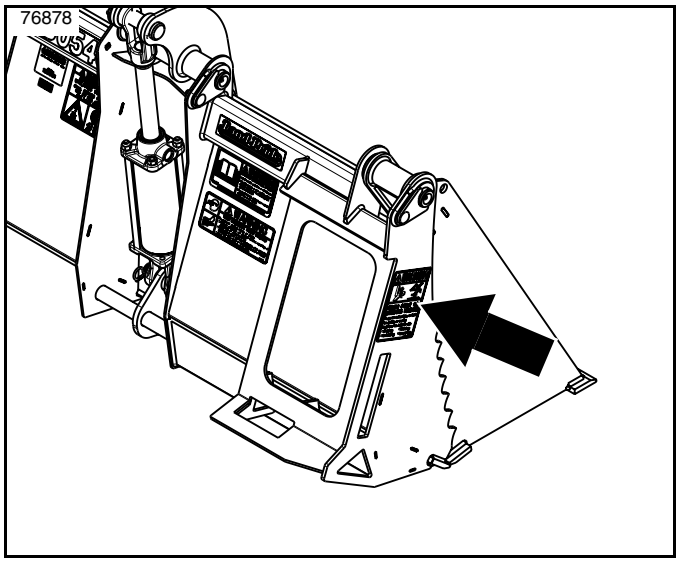


70314

838-094C

Warning: High Pressure Fluid Hazard

1 Place: On the backside of the bucket



70368

838-378C

Warning: Pinch Point or Crushing Hazard

2 Places: On the left-hand & right-hand side panels

Land Pride welcomes you to the growing family of new product owners. This 4-in-1 Combination Bucket 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 product.

Application

The Land Pride 4-in-1 Combination Bucket, Model CB0546 can be used as a bucket, grapple, scraper, or dozer. It is designed exclusively for attaching to Kubota BX series tractors with a Universal Quick Attach front loader. It has uses and applications in farming, ranching, hobby farming, landscaping, nurseries, small orchards, small vineyards, resorts, campuses, and parks. Use your BX tractor with attached bucket to move dirt, sand, gravel, and other loose materials as follows:

- Use bucket with the jaw closed to load and carry material. Tilt bucket or open jaw to dump material.
- Fully open jaw to use bucket as a dozer to dig, move, and backfill. Close jaw to capture a load.
- Fully open jaw and tilt bucket face down to use jaw for back dragging, scraping, leveling, and finish grading.
- Use jaw as a grapple to pick up materials such as rocks, branches, sticks, loose hay, silage, and manure.

BX Kubota tractor users will find this Land Pride attachment saves time and money while getting that material handling job done a whole lot easier.

See **"Specifications & Capacities"** on page 23and **"Features & Benefits"** on page 24 for additional information and performance enhancing options.

Patent-Pending

This CB0546 has a patent-pending.

Using This Manual

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

Terminology

"Right" or "Left" as used in this manual is determined by the direction the operator faces while sitting in the operator's seat looking forward unless otherwise stated.

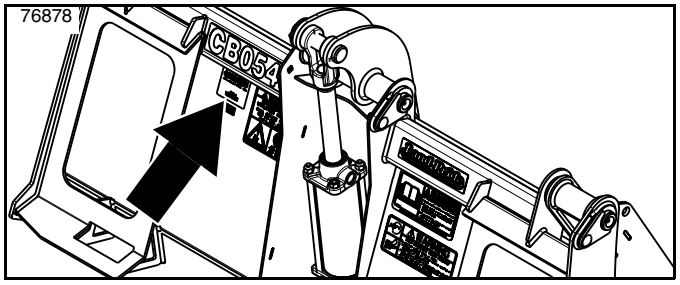
Owner Assistance

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 4-in-1 Combination Bucket 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 attachment.

Serial Number

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



Serial Number Plate Location
Figure 1

Further Assistance

Your dealer wants you to be satisfied with your new 4-in-1 Combination Bucket. 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 attachment with your dealership service personnel so they can address the problem.
2. If you are still not satisfied, seek out the owner or general manager of the dealership, explain the question / problem, and request assistance.
3. For further assistance write to:

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

E-mail address
lpservicedept@landpride.com

Tractor Requirements

The CB0546 bucket is designed exclusively for Kubota BX series tractors with a front loader and Universal Quick Attach Mount.

Kubota Tractor:
BX Tractors With a Front Loader

Hitch Requirement:
Universal Quick Attach

Hydraulic Outlets On Loader Bulkhead:
1 Male And 1 Female Flat Face Quick Coupler.

Tractor Weight:
See Warning Note Below

WARNING

To avoid serious injury or death:

- *Consult your power machine Operator's Manual for operating capacity, lifting capacity, and operating specifications. Exceeding rated capacities and specifications can result in loss of control, roll-over or other serious hazard.*
- *Lightweight power machines may need weight added to the rear to maintain steering control and prevent forward and/or side tipping. Consult your power machine Operator's Manual to determine proper weight requirements and maximum limitations.*

Before You Start

WARNING

To avoid serious injury or death:

Allow only persons to operate this attachment who have fully read and comprehended this manual, and who have been properly trained in the safe operation of this attachment. Serious injury or death can result from failure to read, understand, and follow instructions provided in this manual.

Read and understand the operator's manual for your bucket. An understanding of how it works will aid in assembly and setup of your bucket.

It is best to go through the **Pre-Assembly Checklist** below before assembling the bucket. Speed up your assembly task and make the job safer by having all needed parts and equipment readily at hand.

Torque Requirements

See **"Section 7: Torque Values Chart"** on page 25 to determine correct torque values when tightening hardware.

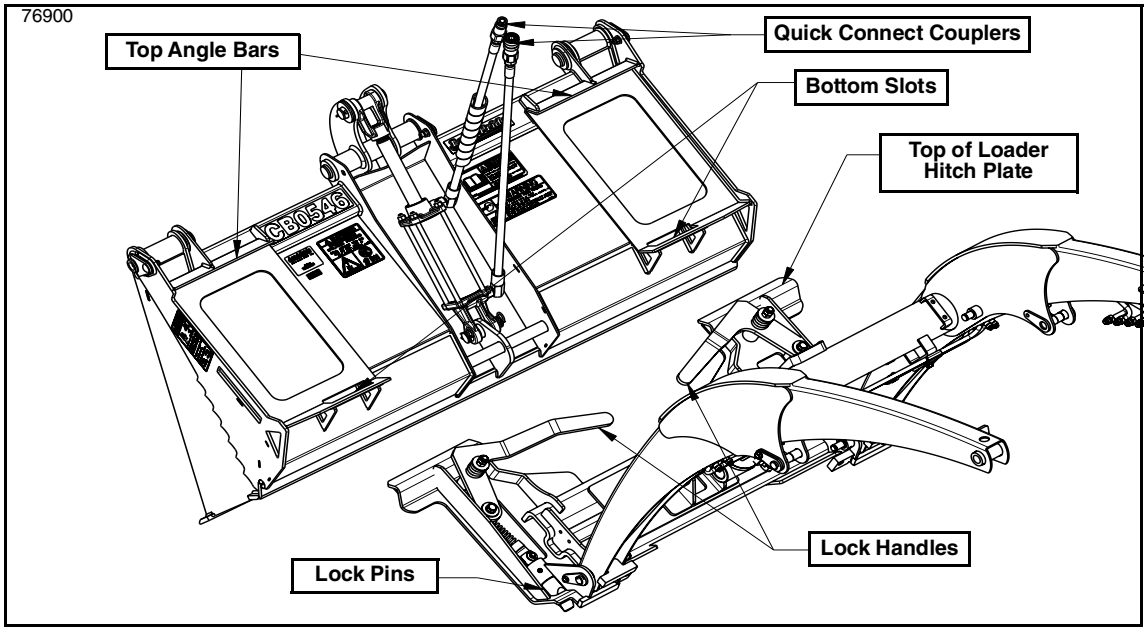
Pre-Assembly Checklist

✓	Check	Ref.
☐	Have a hoist, forklift or loader with properly sized chains and safety stands capable of lifting and supporting the equipment on hand.	
☐	Have a minimum of two people available during assembly.	
☐	Make sure all major components and loose parts are shipped with the machine.	Operator's Manual 381-208M
☐	Double check to make sure all parts, fasteners and pins are installed in the correct location to lessen the chance of using a bolt incorrectly, Refer to the Parts Manual if unsure.	Parts Manual 381-208P
☐	Make sure working parts move freely, bolts are tight & cotter pins are spread.	Operator's Manual 381-208M
☐	Make sure all safety labels are correctly located and legible. Replace if damaged.	Page 6

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 shut-off all power to the attachment.
2. Park tractor and attachment on solid, level ground.
3. Lower attachment until it is flat on the ground or on 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 getting on and off the tractor.



BX Series Kubota Quick Attach Hitch Hook-up
Figure 1-1

Hook-up Combination Bucket

DANGER

To avoid serious injury or death:

A crushing hazard exists when connecting and disconnecting the attachment. Do not allow anyone to stand between attachment and power machine while approaching or backing away from the attachment. Do not operate hydraulic controls while someone is near the power machine and/or attachment.

WARNING

To avoid serious injury or death:

- *Check hitch fit-up frequently. An improper fit-up can cause the attachment to come loose from the loader hitch plate and fall.*
- *Do not use this attachment to lift the front or back of the power machine off the ground. Doing so can damage the attachment, power machine, and/or cause serious injury or death.*
- *Check hitch fit-up frequently to make sure the loader hitch is properly positioned under the attachment's top angle bar(s), and the lock pins are locked fully seated in the attachment's bottom slots, An improper fit-up can cause the equipment to come loose from the loader hitch plate and fall.*

***Refer to* Figure 1-1:**

1. Shut tractor down properly before dismounting. Refer to **"Tractor Shutdown Procedure"** on page 9.
2. Check for and remove any debris in the hitch areas before hooking-up to the bucket.
3. Use loader lock handles to raise lock pins on loader hitch plate.
4. Start tractor and drive slowly to the bucket hitch making sure that the top of the loader hitch plate is parallel with the bucket's top angle bars.
5. Rotate top of loader hitch plate forward and lower loader arms until top of loader hitch plate is low enough to fit under the bucket's top angle bars.
6. Place top of loader hitch plate under the bucket's top angled bars. Slowly raise loader hitch plate up until the hitch plate is seated under the bars.
7. Continue to slowly raise loader arms while rotating the top of the loader hitch plate back until the bucket hitch makes full contact with the face of the loader hitch plate.
8. Shut tractor down properly before dismounting. Refer to **"Tractor Shutdown Procedure"** on page 9.
9. Push down on the loader lock handles to drive lock pins through the bottom slots in the bucket hitch plate. Make sure lock handles are locked down and lock pins are fully inserted in the bucket's bottom slots.

Hydraulic Hose Hook-Up

WARNING

To avoid serious injury or death:

- *Hydraulic fluid under high pressure will penetrate the skin or eyes causing a serious injury. Wear protective gloves and safety glasses or goggles when working with hydraulic systems. Use a piece of cardboard or wood rather than hands when searching for leaks. If an accident occurs, seek immediate emergency medical care or gangrene may result. DO NOT DELAY.*

IMPORTANT: Make sure coupler fittings on the hydraulic hoses and power machine are clean before connecting them together.

NOTE: If the loader is not supplied with Kubota's 3rd Function valve, an optional Land Pride kit is available. See "Accessories" for correct kit number.

Refer to Figure 1-1 on page 10

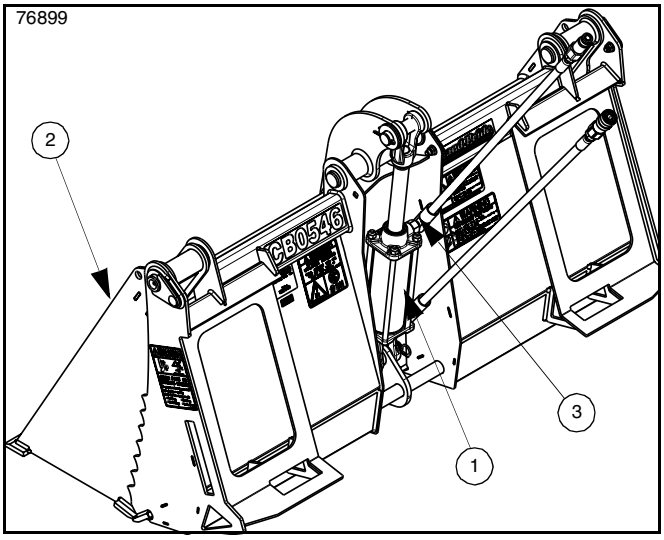
1. Clean all dirt from quick connect couplers shown in Figure 1-1 and the couplers on the third function bulkhead.
2. Connect the quick connect couplers on the bucket to the quick connect couplers on the bulkhead. Make sure quick connect couplers have fully engaged. If they have not, check the following:
   a. Make sure couplers are same size and type.
   b. Make sure hydraulic system pressure has been released.

Check Equipment Clearances

Refer to Figure 1-2:

It is important to check clearance between tractor and bucket before putting the bucket into service. Make sure hoses are long enough and won't become pinched or entangled in the equipment. Also, make sure the bucket does not come in contact with the tractor loader by carefully going through its full range of motions.

1. Visually inspect hydraulic hoses for possible pinch points and shortness. Make hose adjustments before operating hydraulics to check clearances.
2. Start tractor and raise bucket approximately 12" off the ground.
3. If necessary, have someone stand nearby that can motion for the operator to stop if a problem develops while completing steps 4-7 below.
4. Fully extend bucket hydraulic cylinder (#1) to pivot front jaw (#2) fully down.
5. Raise loader arms just enough for the bucket to clear the ground while extending and retracting tilt cylinder on the end of the loader.
6. Fully extend and retract tilt cylinder on the end of the loader while watching for interferences between loader, bucket, and hydraulic hoses. Stop movement if hoses interfere with the loader or bucket.
7. Fully retract bucket cylinder to pivot the jaw fully up and repeat steps 5 & 6.
8. Raise loader arms fully up and repeat steps 4 & 6.
9. Lower bucket to the ground & close the jaw.



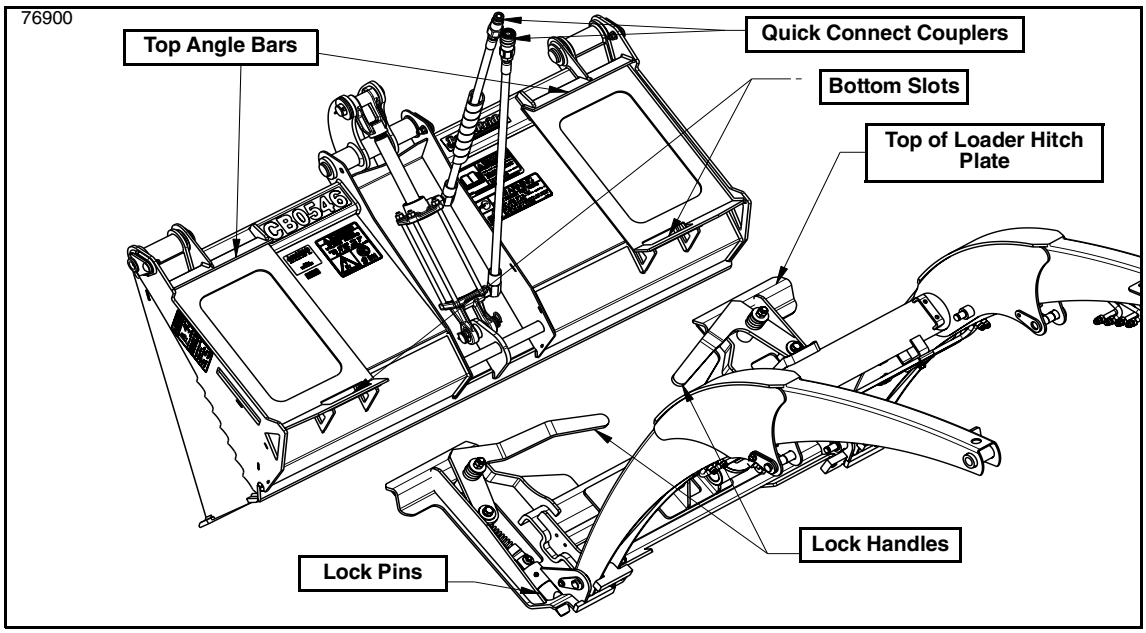
Purge Hydraulic Hook-up
Figure 1-2

Purge Hydraulic System

IMPORTANT: Purge hydraulic cylinders and/or hoses of air before putting the equipment into service. Not purging the system can cause uneven cylinder movement and positioning.

Refer to Figure 1-2:

1. With bucket raised off the ground about 12", cycle hydraulic cylinder (#1) several times from fully extended to fully retracted.
2. If the hydraulic cylinder operates unevenly after cycling, then purge the system as follows:
   a. Shut tractor down according to **"Tractor Shutdown Procedure"** on page 9.
   b. Loosen hydraulic hose fitting (#3) at the rod end of cylinder (#1).
   c. Return to the tractor seat and slowly retract cylinder (#1) to purge any trapped air from the system.
   d. Shut tractor down properly before dismounting.
   e. Once all trapped air is removed from the system, tighten fitting (#3).



BX Series Kubota Quick Attach Hitch Unhook
Figure 1-3

Unhook Combination Bucket

DANGER

To avoid serious injury or death:

A crushing hazard exists when connecting and disconnecting the attachment. Do not allow anyone to stand between attachment and power machine while approaching or backing away from the attachment. Do not operate hydraulic controls while someone is near the power machine and/or attachment.

WARNING

To avoid serious injury or death:

- *Store attachment in a secure position on solid, level ground with front jaw fully closed. If stored improperly, the attachment can easily tip over onto a person.*
- *Hydraulic fluid under high pressure will penetrate the skin or eyes causing a serious injury. Wear protective gloves and safety glasses or goggles when working with hydraulic systems. Use a piece of cardboard or wood rather than hands when searching for leaks. If an accident occurs, seek immediate emergency medical care or gangrene may result. DO NOT DELAY.*

Refer to Figure 1-3:

1. See **"Long-Term Storage"** on page 19 when parking the bucket for long periods or at the end of the season.
2. Park tractor on a flat level solid surface.
3. Shut tractor down according to **"Tractor Shutdown Procedure"** on page 9.
4. With bucket resting on the ground, operate hydraulic control lever back and forth to release hydraulic pressure to the attachment.
5. Unhook hydraulic hoses from the bulkhead and store them on the bucket.
6. Pull lock handles up on the loader hitch to remove lock pins from the bottom slots in the bucket hitch plate.
7. Start tractor and slowly rotate top of loader hitch plate forward while slowly backing the tractor away from the bucket until the loader hitch plate and bucket have separated.
8. Continue to carefully back away from the bucket until clear of the bucket.

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 4-in-1 Combination Bucket. Therefore, it is absolutely essential that no one operates the bucket unless they have read, fully understood, and are totally familiar with the Operator's Manual. Make sure the operator has paid particular attention to:

- **Important Safety Information**, page 1
- **"Section 1: Assembly & Set-up"** on page 9
- **"Section 2: Operating Procedures"** on page 13
- **"Section 3: Maintenance"** on page 19

Perform the following inspections before using your CB0546 4-in-1 Combination Bucket.

Operating Checklist

✔	Check	Page
	Make sure all guards & shields are in place & in good working condition.	None
	Follow hook-up instructions. Refer to "Hook-up Combination Bucket".	10
	Make sure operator has read and understands how to operate the 4-in-1 Combination Bucket. Refer to "Section 2: Operating Procedures".	13
	Required maintenance has been completed. Refer to "Section 3: Maintenance".	19
	Check bucket initially and periodically for loose bolts and pins. Refer to "Torque Values Chart".	25

General Inspection

Make the following inspections with bucket attached to a tractor parked on a level surface.

1. Complete Operating Checklist provided above.
2. Inspect the attachment's safety equipment to make sure it is in good working condition and that all safety alert decals are visible and legible. Replace all missing and/or illegible safety alert decals. Refer to **"Safety Labels"** on page 6.
3. Inspect hitch hook-up to bucket. Make sure hitch points are clear of debris.
4. Consult your tractor Operator's Manual to determine if ballast is required. Add ballast if necessary.
5. Inspect condition of hydraulic hoses, fittings, and valves before starting the tractor. Make sure hoses do not contact moving parts, and are not pinched, kinked, twisted, or frayed.
6. Operate hydraulic controls to verify control movements function properly and equipment movements are correct. Make any necessary changes to controls and hydraulic hook-ups before putting equipment into service.
7. Operate bucket through its full range of movements to check for clearances. Refer to: **"Check Equipment Clearances"** on page 11 for detailed instructions.
8. Purge hydraulic system of trapped air by operating all hydraulic functions several times before putting the unit into service. Refer to: **"Purge Hydraulic System"** on page 11.

Operating Safety

⚠ DANGER

To avoid serious injury or death:

- *The operator of this attachment must know how to control the power machine with attachment and how to stop them quickly in an emergency.*
- *Keep attachment, loader arms, and/or load away from overhead electrical power lines. Place an orange warning sign under overhead lines indicating type of danger above.*
- *Do not drive up to anyone or an animal in front of a fixed object such as a wall or bench. Never assume that the power machine will stop in time.*
- *Keep bystanders, pets, and livestock away from your work area. Never allow anyone to go near or under the attachment or its load. The attachment and/or load can fall.*
- *Make sure all objects are contained and/or secured before lifting. Do not lift a load that cannot be contained in the attachment as the load can shift and fall.*
- *Do not lift a load that cannot be contained in the attachment.*
- *Keep load positioned forward enough to prevent accidental spillage onto the operator and power machine.*
- *Keep load slightly tilted back to secure its weight against the vertical face of the attachment. Rotating front of attachment too high can cause the load to shift and fall onto the operator or others. Rotating front of attachment level or lower can cause the load to fall forward.*
- *Use a "spotter" when it is hard to see in the direction you are traveling and when placing a load that obstructs your vision. A person or animal could be nearby in a blind spot.*
- *Be safe, lift only loads with the loader arms that can be kept under control and contained. An uncontrolled load can result in a serious injury or death.*
- *Make sure the machine is stopped on solid, level ground before raising load to dump. To maintain stability, raise load only to the height necessary to complete the dump.*
- *Never dump a load around gas lines, overhead power lines, utilities, or other hazards that can cause serious injury or death from electrocution, explosion, or fire.*
- *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 abuse equipment. Incorrect use of the attachment can damage equipment structurally and cause serious injury or death.*
- *Never carry riders on the attachment or power machine. Riders can obstruct the operator's view, interfere with controls, be pinched by moving components, become entangled in rotating components, struck by objects, thrown about, fall off and be run over, etc.*
- *Do not alter attachment or replace parts on the attachment 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 attachment. Replace parts only with genuine OEM parts.*
- *Use a power machine of adequate size for the load being carried. An undersized machine can roll over when raising the loader arms due to high center of gravity.*
- *Do not chain or strap loads to the loader arms, hitch, or attachment. Hitting solid objects with a load fastened to the attachment or machine can cause frame damage and/or tipping resulting in the loss of operator control.*
- *Do not use this attachment to lift, carry, push or tow other equipment or objects. It is not properly designed or guarded for this use.*
- *Do not use this attachment for pulling objects out of the ground, for prying other objects, or for pushing and towing other equipment.*
- *Do not use this attachment to lift the front or back of the power machine off the ground. Doing so can damage the attachment, power machine, and/or cause 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. Always call 811 (USA) before digging so that they can mark the location of underground services in the area. For contact information, see Dig Safe in the "Important Safety Information" starting on page 1.*
- *Allow only persons to operate this equipment who have fully read and comprehended this manual, and who have been properly trained in the safe operation of this attachment. Serious injury or death can result from the inability to read, understand, and follow instructions provided in this manual.*
- *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.*
- *Lightweight power machines may need weight added to the rear to maintain steering control and prevent forward and/or side tipping. Consult your power machine Operator's Manual to determine proper weight requirements and maximum limitations.*
- *Keep load centered, even when stopped. This will optimize load stability and protect against load shifting.*
- *Hydraulic fluid under high pressure will penetrate the skin or eyes causing a serious injury. Wear protective gloves and safety glasses or goggles when working with hydraulic systems. Use a piece of cardboard or wood rather than hands when searching for leaks. If an accident occurs, seek immediate emergency medical care or gangrene may result. DO NOT DELAY.*
- *Make sure safety labels are installed in their proper location and are in good condition before operating the attachment. Read and obey all instructions on the labels.*
- *Keep body, body extremities, loose clothing, pull strings, etc. away from pinch points such as rotating, extending, and/or retracting components. Secure pinch point areas to ensure they will not move before working on or near them.*
- *Always lower the attachment to ground level and fully close the jaw before dismounting the power machine.*
- *Follow recommendations in the power machine Operator's Manual when parking or dismounting the power machine.*
- *Wear appropriate personal protective gear. Include eye protection when appropriate and when operating a power machine without an enclosure or protective shield. Dust and debris can get into the eyes.*
- *Keep bystanders away while operating the attachment. A person can become pinched or crushed as the attachment is opened, closed, rotated, raised, or lowered.*
- *Avoid exposure to dust containing crystalline silica particles. This dust can cause serious injury to the lungs (silicosis). Because crystalline silica is a basic component of sand and granite, many activities at construction sites produce dust containing crystalline silica. Trenching, sawing, and boring of material containing crystalline silica can produce dust containing crystalline silica.*
- *Check hitch fit-up frequently. An improper fit-up can cause the attachment to come loose from the loader hitch plate and fall.*
- *Do not use this attachment as a lifting device for people or as a work platform. It is not properly designed or guarded for this use.*

Transporting

DANGER

To avoid serious injury or death:

Keep attachment, loader arms, and/or load away from overhead electrical power lines. Place an orange warning sign under overhead lines indicating type of danger above.

WARNING

To avoid serious injury or death:

- *Follow all safety precautions when transporting a load. Not using safe transporting methods can damage the equipment and cause serious injury or death.*
- *Select a safe ground speed that will allow adequate control of steering and stopping. Never exceed 20 mph (32 km/h) with attached equipment. Rough terrain requires a slower speed.*
- *Always transport loads as close to the ground as possible without hitting objects. A load carried high could shift causing the load to fall, tipping of the machine, and/or loss of control.*
- *Always transport over ramps and inclines with the heavy end of the power machine on the "uphill" side. This may require one to drive up or back down inclines.*
- *Always travel straight up and straight down inclines. Never make turns on the incline.*
- *Transporting loads across inclines, over ramps, on bumpy, soft, or slippery surfaces reduces machine stability and lift capacity. Transporting and lifting loads under these conditions is extremely dangerous. Follow all transport instructions in your power machine Operator's Manual.*
- *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.*

Combination Bucket Operation

WARNING

To avoid serious injury or death:

- *Keep bystanders at a safe distance when entering and picking up a load. Objects can shift or be thrown suddenly as the attachment makes contact with load causing serious injury or death.*
- *Enter pick-up zone carefully making sure no object will come through or pass the attachment into the operator's space.*
- *Read and understand all safety alerts under* **"Operating Safety"** *on page 13.*

IMPORTANT: Do not ram bucket into a pile or hook a chain to the bucket to secure a load. Doing so can damage the bucket.

Operating Tips

1. Go slowly when first learning how to operate the bucket and loader.
2. Keep work area small and travel distance short to make the job more efficient.
3. When setting up a work site, choose a site that is level, clear of low hanging electrical lines, and free of obstructions such as trees, fences, and buildings.
4. Reduce number of cycles by filling the bucket to rated capacity.
5. Keep loaded bucket low to the ground when transporting. Always drive up and down slopes with load on the uphill side. This will require backing down a slope to keep load on the uphill side.
6. To keep material from spilling over the back, tilt top of bucket forward to maintain bucket levelness while raising loader arms or traveling up a slope.
7. To keep material from spilling over the front, tilt top of bucket back to maintain bucket levelness while lowering loader arms or traveling down a slope.
8. Always use appropriate counter weight on the back of the tractor or 3-point when doing loader work.

Digging With The Bucket

Refer to Figure 2-1 on page 17

The bucket can be used for digging into the ground or into piles of dirt, sand, and other similar materials.

1. Make sure load does not exceed rated lift capacity of the tractor and loader.
2. Center tractor on the material to be picked up.
3. Do not ram bucket into the ground or pile. Make a complete stop in front of the material to position the bucket at the proper height and angle.

   If digging into the ground:

   a. Lower loader arms until bucket is on the ground.

   b. Tilt front of bucket down until cutting edge is on the ground.

   c. Start driving forward slowly while continuing to tilt the front edge down until the bucket starts to dig.

   d. Once the bucket starts digging, the front cutting edge can be tilted up slightly to increase tractor traction and to achieve an even digging depth.

   e. When digging hard ground, slowly raise and lower the cutting edge while slowly traveling forward.

   If digging into a pile:

   a. Lower loader arms until the bucket is on the ground.

   b. Tilt front of bucket down until cutting edge is on the ground.

   c. Start driving slowly into the pile. As the bucket begins to fill, slowly raise loader arms until the bucket is filled to its rated capacity.
4. Once the bucket is filled, stop and raise bucket. At the same time, tilt top of bucket back to keep material from spilling out of the bucket.
5. Make sure bucket and load clears all obstacles when making a turn or backing away.
6. Position load at a safe, low height and top of bucket tilted slightly back to transport to the dump site.

Picking Up A Load With The Jaws/Clamshell

Refer to Figure 2-1 on page 17

1. Make sure load does not exceed rated lift capacity of the tractor.
2. Center tractor on the material to be picked up.
3. Make a complete stop in front of the material and position bucket at the proper height.
4. Fully open the jaw and drive forward until the bucket is above the pile. Do not ram bucket into the pile.
5. Lower bucket onto the pile and close the jaw to secure the load.
6. Lift load a few inches to make sure you have good control of the load. If load is not secure, release and recapture load in a more secure location.
7. Lift load above the pile and then back load out of the pile slowly making sure load clears all obstacles.
8. Not always will the load be secured properly in the bucket when pulled free from a pile. Before traveling with a loose load, lower load to ground, release load, and re-clamp load to make it more secure.
9. Position load at a safe, low traveling height and begin transferring to the dump site.

Traveling With A Load

1. Pedestrians always have the right-of-way.
2. Keep load tilted back slightly.
3. When possible, travel with the load low to the ground.
4. Continually scan all sides for pedestrians, other traffic, and obstacles.
5. If load is large and blocks your view, travel in reverse.
6. Always drive at a safe speed and slow down when going around corners. Avoid sudden braking.
7. Leave enough clearance when turning so that the bucket and load does not contact obstacles such as vehicles, buildings, trees, fences, etc.
8. When traveling over a ramp or incline, keep load on the “uphill” side of tractor.
9. When possible, travel straight up and down grades, ramps, and inclines. Avoid making turns on grades, ramps, and inclines.
10. Raise or lower the load only when stopped, never when traveling.
11. Slow down when traveling over rough or hilly terrain.
12. Do not transport loads on public roadways.
13. Transport on public roadways without a load and transport in such a way that faster moving vehicles may pass you safely.
14. Plan your route to avoid heavy traffic.

Releasing A Load

Refer to Figure 2-1 on page 17

1. Stop in front of desired location and slowly raise load to the required height for dumping.
2. Move slowly forward while checking to make sure bucket and load clears all obstacles.
3. Stop forward movement when load is positioned over its release location.
4. Releasing the load requires a combination of tilting the front of bucket down or opening the jaw, and raising the loader arms. The order in which the load is released will vary depending on type of material being released. The most important objective is to have the load under control throughout the release.
5. Once the load has settled onto the pile, tilt bucket level and close the jaw if opened.

6. Slowly back up making sure the bucket clears all objects and no pedestrians or other traffic are behind or on either side of the tractor.
7. As you back away, leave enough clearance when turning and/or lowering the bucket so that it does not make contact with obstacles such as vehicles, buildings, trees, fences, etc.
8. When clear of the pile, stop and lower bucket to transporting height (low to the ground) before moving again.

Scraping, Leveling, & Back Dragging

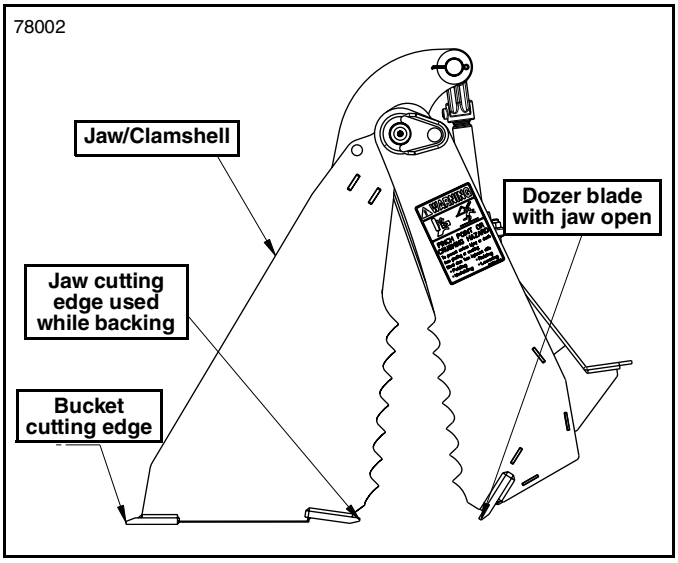
Refer to Figure 2-1:

1. Make a complete stop in the area to work and fully open the jaw.
2. Rotate top of hitch plate forward and lower loader arms down until the cutting edge of the jaw is on the ground.
3. Begin backing up to back drag, scrape, level, or fill an area.
4. Lower loader arms to make a deeper cut and raise loader arms to make a shallower cut.
5. Tilt top of hitch plate as needed to angle blade for your operation.
6. Allow excess material to discharge over the top of the jaw when scraping and leveling.
7. If material needs to be removed, tilt the bucket level while raising/lowering the loader arms and closing the jaw to capture accumulated material in the bucket.

Dozing With The Bucket

Refer to Figure 2-1:

1. To use the dozer blade, make a complete stop in the area to work and fully open the jaw.
2. Lower loader arms until dozer blade is on the ground.
3. Begin traveling forward pushing dirt with the dozer blade.
4. Tilt top of hitch plate as needed to angle blade for digging.
5. Lower loader arms to make a deeper cut and raise loader arms to make a shallower cut.
6. If material needs to be removed, tilt the bucket level while raising/lowering the loader arms and closing the jaw to capture accumulated material in the bucket.



Bucket/Jaw Cutting edges
Figure 2-1

General Operating Instructions

By now you should have familiarized yourself with the Operator's Manual for your CB0546 4-in-1 Combination Bucket. If you haven't, please do so now. We cannot overstress the importance of following the safety information and operating procedures that are spelled out in this Operator's Manual.

Proceed by getting onto the seat of your tractor and starting it up. It isn't going to take you long to learn how to use your new Land Pride 4-in-1 Combination Bucket, but we do recommend that you take a little time to practice securely attaching and detaching your bucket to and from your mounting plate. It is also important to practice lifting, lowering, tilting, maneuvering, and releasing a load until you gain the confidence and skill needed to have a good feel in what you are doing.

The 4-in-1 Combination Bucket's primary purposes are digging, loading, dumping, scraping, leveling, gripping, and dozing. The following are some basic general operating instructions. For detailed instructions, see **"Combination Bucket Operation"** on page 15.

Start digging by lowering the bucket down to the ground and tilting the front cutting edge down to dig into the ground. Start traveling forward making adjustments to the bucket tilt and loader arm height to achieve desired results.

To back drag, fully open the jaw, tilt the top of the hitch plate forward, and lower the loader arms down until the jaw's cutting edge is on the ground. Start traveling backward to fill the jaw with material and close the jaw to capture the product in the bucket.

With bucket full, transport to your unloading site while carrying the load low. Carefully place the load over the dump site and dump the load by tilting the front bucket down or by opening the jaw to release the load out the bottom of the clamshell.

To scrape a surface clean and level, open the jaw, tilt the top of the hitch plate forward, and lower the loader arms until the jaw's cutting edge is on the ground. Begin backing up and adjusting hitch plate tilt to achieve desired scraping action. Lower or raise loader arms to achieve desired cutting depth. You can close the jaw when you want to capture and remove unwanted scraped material.

To pick up unwanted bulky material, open the jaw and tilt the top of the hitch plate forward to create a clamshell. lower the clamshell opening over the material. Close the jaw and pick-up the load. Carry the load low to your discharge site. Carefully place the load over the site and dump the load by opening the jaw.

To use the dozer blade, open the jaw, lower the dozer blade to ground, and tilt top of hitch plate to angle the blade for digging. Start traveling forward pushing the material. Raise or lower the loader arms to adjust depth of cut and adjust hitch plate tilt as needed to achieve desired cutting action. You can close the jaw when you want to capture and remove unwanted material.

With a little practice you should become very good at consistently achieving the desired results you expect with your Land Pride 4-in-1 Combination Bucket.

See **"Section 4: Specifications & Capacities"** on page 23and **"Section 5: Features & Benefits"** on page 24 of your Operator's Manual for additional information.

General Maintenance Information

Proper servicing and adjustment is key to the long life of any attachment. With careful inspection and routine maintenance, you can avoid costly downtime and repair.

Check all bolts and pins after using the bucket for several hours and on a regular basis thereafter to ensure they are tight and secured.

Check hitch plate fit-up, hydraulic hoses, and hydraulic fittings on a regular basis to ensure trash or other objects have not loosened hitch connection points and/or damaged hydraulic hoses and fittings.

Replace all worn, damaged, or missing bucket parts with genuine Land Pride parts. Replace safety labels by obtaining new labels from your Land Pride dealer.

DANGER

To avoid serious injury or death:

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

WARNING

To avoid serious injury or death:

- *Make sure controls are all in neutral position or park before starting the power machine.*
- *Allow only persons to perform maintenance on this attachment who have been properly trained in the safe operation of this attachment.*
- *Do not alter attachment or replace parts on the attachment 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 attachment. Replace parts only with genuine OEM parts.*
- *Check hitch fit-up frequently. An improper fit-up can cause the attachment to come loose from the loader hitch plate and fall.*
- *Check hydraulic hoses and fittings frequently for leaks or damage. Fluid escaping under pressure can penetrate skin. Large leaks can dump a load prematurely.*
- *Perform scheduled maintenance. Check for loose hardware, missing parts, broken parts, structural cracks, and excessive wear. Make repairs before putting the implement back into service.*
- *Keep body, body extremities, loose clothing, pull strings, etc. away from pinch points such as rotating, extending, and/or retracting components. Secure pinch point areas to ensure they will not move before working on or near them.*

Long-Term Storage

Clean, inspect, service, and make necessary repairs to the attachment 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 bucket. Scrape off compacted dirt and then wash its surface thoroughly with a garden hose.
2. Inspect bucket for loose, damaged, or worn parts and adjust or replace if needed.
3. 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.

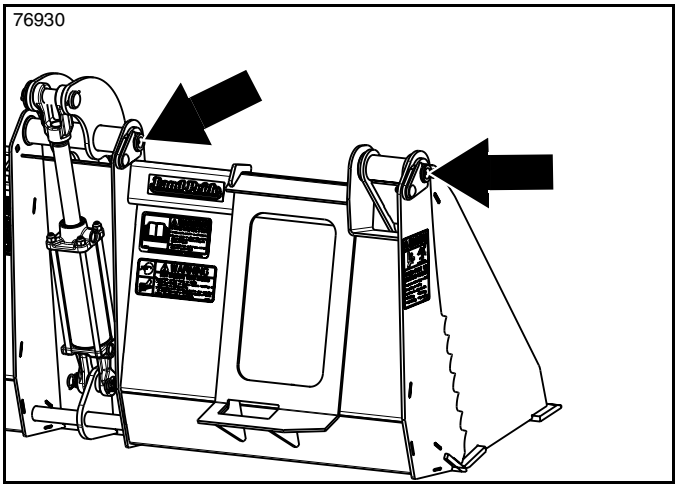
Land Pride Touch-up Paint

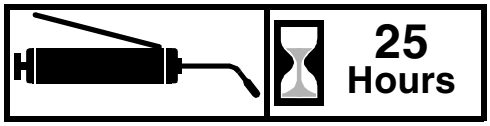
Part No.	Part Description
821-066C	PAINT ORANGE SPRAY CAN
821-070C	PAINT GP GLOSS BLACK SPRAY CAN

4. Replace all damaged or missing guards & decals.
5. Close the jaw and store the bucket on a level surface in a clean, dry place. Inside storage will reduce maintenance and make for a longer bucket life.
6. Do not allow children to play on or around the stored bucket.

Lubrication Points

Lubrication Legend							
	Multi-purpose spray lube		Multi-purpose grease lube		Multi-purpose oil lube	50 Hrs	Intervals in hours at which lubrication is required





Jaw Pivot Pins

3- Zerks (One on each side and one in center)
Type of Lubrication: Multi-purpose Grease
Quantity = As Required

CB0546 Model

Specifications & Capacities	
Hitch type	Universal Quick Attach
Weight	230 lbs (104 kg)
Overall width	47" (119 cm)
Clamshell opening	21" (74 cm)
Bucket capacity ft^3 (m^3)	5.5ft^3 (.51m^3) struck & 6.8ft^3 (.63 m^3) heaped
Hydraulic cylinder pins	1" dia. rod pivot pins
Jaw pivot pins	1 1/4" dia. pivot pins (greasable)
Hydraulic cylinder	2 1/2" x 6" x 1 1/8" Rod
Maximum hydraulic pressure	2500 psi (17237 kPa)

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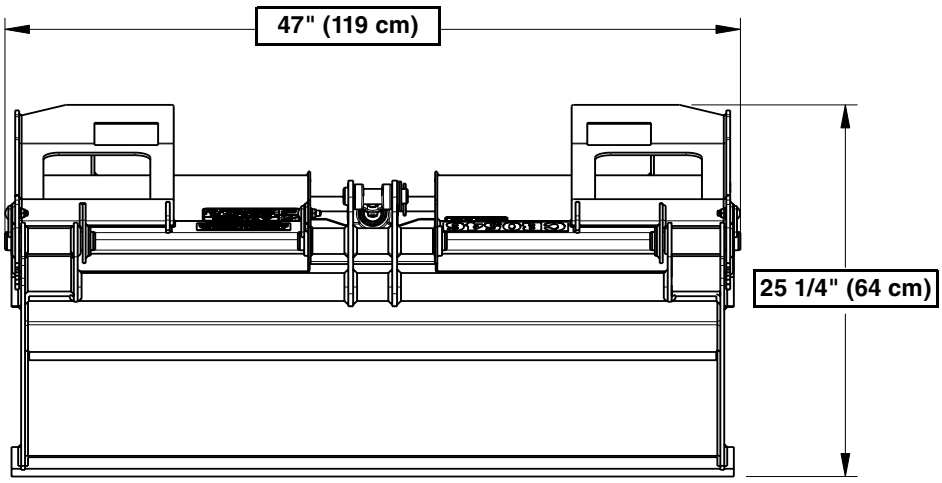

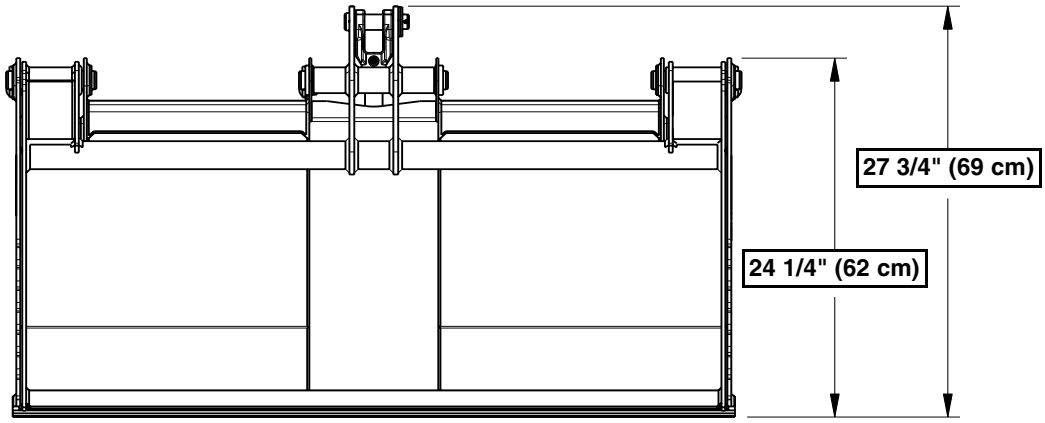

CB0546 Model

Features	Benefits
Four-in-one bucket design	Can be used as a bucket, grapple, scraper, or dozer.
Designed to fit Kubota's BX tractors with front loaders	Easy to attach to Kubota's BX tractor loaders with Universal Quick Attach. A good fit for Kubota BX tractors with front loaders.
Designed to protect hydraulic hoses	Hydraulic hoses routed to prevent pinching.
1 1/4" Pivot pins	Large diameter greasable pins for extra strength.
21" Jaw opening	Large opening to handle bulky objects.
Reinforced bucket	Adds strength and rigidity to the bucket, clamshell, and dozer features of the four-in-one bucket.
BX 3rd function valve kit (Accessory)	Adds a 3rd function capability to the loader. Provides convenient opening and closing of the 4-in-1 bucket.
Single cylinder design	Single cylinder allows for narrow, light-weight bucket design allowing for increased payload.

Troubleshooting Chart

Problem	Cause	Solution
Cannot lift load	Insufficient power to lift load.	Reduce load on bucket.
Hydraulic hoses are stretched and/ or damaged	Hydraulic hoses are catching on tree limbs, debris, or other solid objects.	Replace hydraulic hoses. Stay away from objects that can catch on hydraulic hoses. Stop immediately if hoses are catching on an object and remove object. If helpful, readjust hose routing.
Hydraulic fittings are damaged	Hydraulic hoses are catching on tree limbs, debris, or other solid objects causing fittings to become damaged.	Replace hydraulic fittings. Stay away from objects that can catch on hydraulic hoses. Stop immediately if hoses are catching on an object and remove object. If helpful, readjust hose routing.
Combination bucket jaw does not clamp tight on a load	A load taken from a pile can be too bulky to properly clamp while in the pile.	Re-clamp load once load is free from pile.
Combination bucket jaw does not operate	Hydraulic hoses are not coupled to tractor.	Reattach couplers to tractor.
	Hydraulic hoses and/or fittings are damaged.	See “Hydraulic hoses are stretched and/or damaged” and “Hydraulic fittings are damaged” above.
	Third function valve is not working properly.	Check fuse, electrical wiring, electrical connections including ground, joy stick push button contacts, and current to valve solenoids. Repair or replace faulty components as needed.
Load is shifting in the jaw	Universal Quick Attach is not properly attached to bucket hitch plate.	Always make certain Universal Quick Attach is properly attached to the bucket before lifting a load. Reattach the hitch to the bucket hitch plate if loose.
	Load is being carried too high.	Recommended carrying height is as close to ground as possible without hitting objects.
	Traveling and/or turning too fast.	Reduce speed to a safe non-bouncing speed.
	Traveling sideways to an incline.	Travel straight up and down inclines.
	Jaw is not clamped tight against the load.	Re-clamp load once load is free from pile.
	Load is not centered in bucket.	Center load on bucket.
	Traveling forward while going down an incline with a slope in excess of 10 percent (5.7 degrees).	Back down steep inclines.

Torque Values Chart for Common Bolt Sizes

Bolt Size (inches)	Bolt Head Identification Grade 2		Grade 5		Grade 8	
in-tpi [1]	N · m [2]	ft-lb [3]	N · m	ft-lb	N · m	ft-lb
1/4" - 20	7.4	5.6	11	8	16	12
1/4" - 28	8.5	6	13	10	18	14
5/16" - 18	15	11	24	17	33	25
5/16" - 24	17	13	26	19	37	27
3/8" - 16	27	20	42	31	59	44
3/8" - 24	31	22	47	35	67	49
7/16" - 14	43	32	67	49	95	70
7/16" - 20	49	36	75	55	105	78
1/2" - 13	66	49	105	76	145	105
1/2" - 20	75	55	115	85	165	120
9/16" - 12	95	70	150	110	210	155
9/16" - 18	105	79	165	120	235	170
5/8" - 11	130	97	205	150	285	210
5/8" - 18	150	110	230	170	325	240
3/4" - 10	235	170	360	265	510	375
3/4" - 16	260	190	405	295	570	420
7/8" - 9	225	165	585	430	820	605
7/8" - 14	250	185	640	475	905	670
1" - 8	340	250	875	645	1230	910
1" - 12	370	275	955	705	1350	995
1-1/8" - 7	480	355	1080	795	1750	1290
1-1/8" - 12	540	395	1210	890	1960	1440
1-1/4" - 7	680	500	1520	1120	2460	1820
1-1/4" - 12	750	555	1680	1240	2730	2010
1-3/8" - 6	890	655	1990	1470	3230	2380
1-3/8" - 12	1010	745	2270	1670	3680	2710
1-1/2" - 6	1180	870	2640	1950	4290	3160
1-1/2" - 12	1330	980	2970	2190	4820	3560

Bolt Size (Metric)	Bolt Head Identification 5.8 Class 5.8		8.8 Class 8.8		10.9 Class 10.9	
mm x pitch [4]	N · m	ft-lb	N · m	ft-lb	N · m	ft-lb
M 5 X 0.8	4	3	6	5	9	7
M 6 X 1	7	5	11	8	15	11
M 8 X 1.25	17	12	26	19	36	27
M 8 X 1	18	13	28	21	39	29
M10 X 1.5	33	24	52	39	72	53
M10 X 0.75	39	29	61	45	85	62
M12 X 1.75	58	42	91	67	125	93
M12 X 1.5	60	44	95	70	130	97
M12 X 1	90	66	105	77	145	105
M14 X 2	92	68	145	105	200	150
M14 X 1.5	99	73	155	115	215	160
M16 X 2	145	105	225	165	315	230
M16 X 1.5	155	115	240	180	335	245
M18 X 2.5	195	145	310	230	405	300
M18 X 1.5	220	165	350	260	485	355
M20 X 2.5	280	205	440	325	610	450
M20 X 1.5	310	230	650	480	900	665
M24 X 3	480	355	760	560	1050	780
M24 X 2	525	390	830	610	1150	845
M30 X 3.5	960	705	1510	1120	2100	1550
M30 X 2	1060	785	1680	1240	2320	1710
M36 X 3.5	1730	1270	2650	1950	3660	2700
M36 X 2	1880	1380	2960	2190	4100	3220

[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.
All locknuts or lubricated fasteners: Use 75% of torque value. (i.e. 1/2"-13 GR5 = 76 ft-lb; 75% of 76 or .75 x 76 = 57 ft-lb

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

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.

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** _____

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