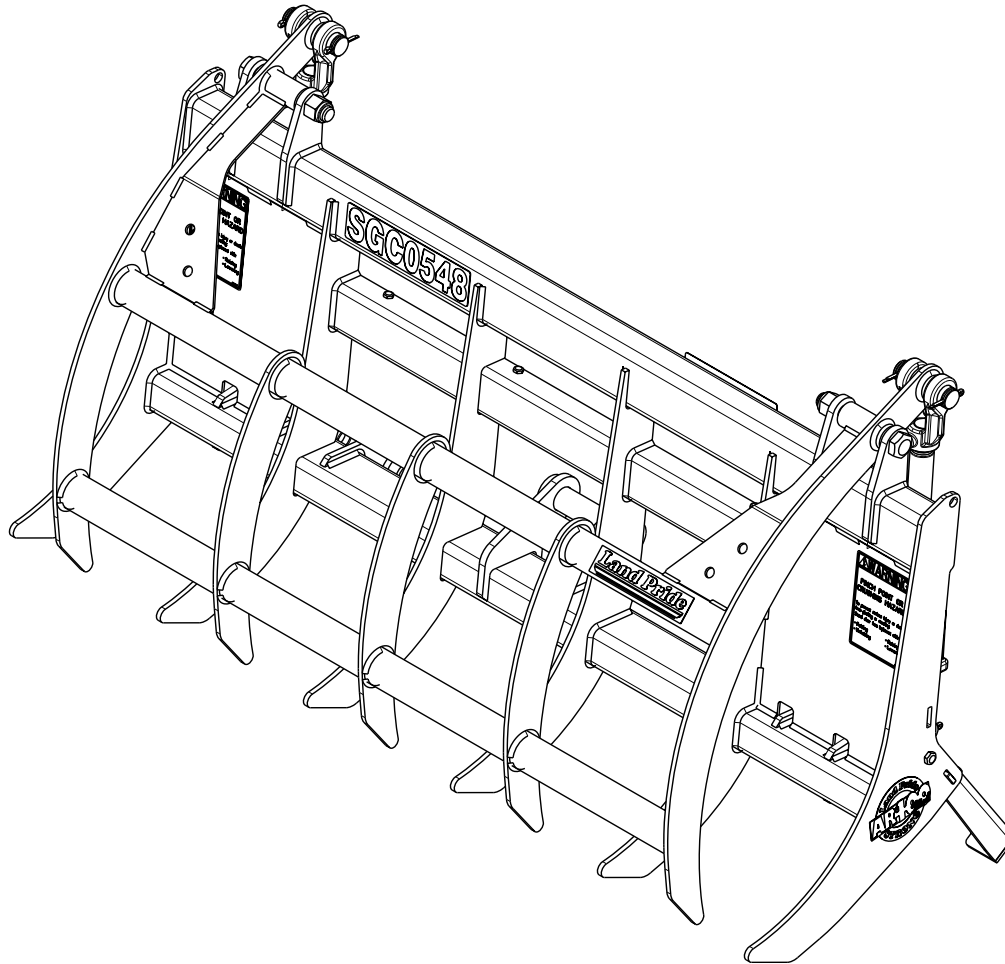


Grapples

SGC0548



35825

380-138M Operator's Manual



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

Cover photo may show optional equipment not supplied with standard unit.

For an Operator's Manual and Decal Kit in French Language, please see your Land Pride dealer.



Machine Identification

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

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

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

Dealer Contact Information

Name: _____

Street: _____

City/State: _____

Telephone: _____

Email: _____



California Proposition 65

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

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Printed in the United States of America.

See previous page for Table of contents.



Parts Manual QR Locator

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



Dealer QR Locator

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

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

Safety at All Times

Careful operation is your best assurance against an accident.

All operators, no matter how much experience they may have, should carefully read this manual and other related manuals, or have the manuals read to them, before operating the power machine and this 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 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 tractor and attachment while hooking-up.
- ▲ 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 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 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 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 attachment in an area where children normally do not play. Secure attachment using blocks and supports.



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 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 to tow the implement.



Practice Safe Maintenance

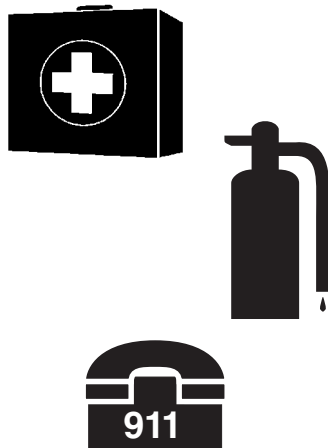
- ▲ Understand procedure before doing work. Refer to the Operator's Manual for additional information.
- ▲ Work on a level surface in a clean dry area that is well-lit.
- ▲ Lower attachment to the ground and follow all shutdown procedures before leaving the operator's seat to perform maintenance.
- ▲ 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 equipment.
- ▲ Inspect all parts. Make certain 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 phone.



Wear Personal Protective Equipment (PPE)

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



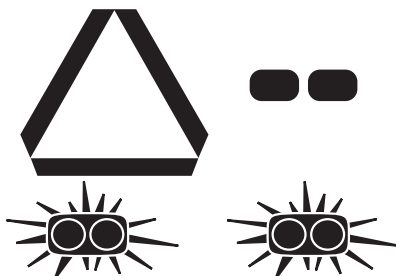
Avoid High Pressure Fluids Hazard

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



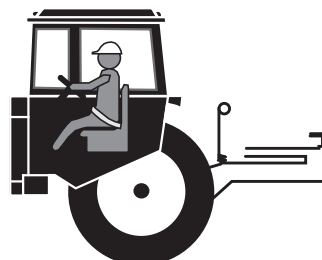
Use Safety Lights and Devices

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



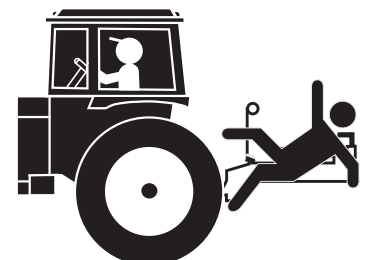
Use Seat Belt and ROPS

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



Keep Riders Off Machinery

- ▲ Never carry riders 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 Claw Grapple comes equipped with all safety labels in place. They are designed to help you safely operate your attachment. Read and follow their directions.

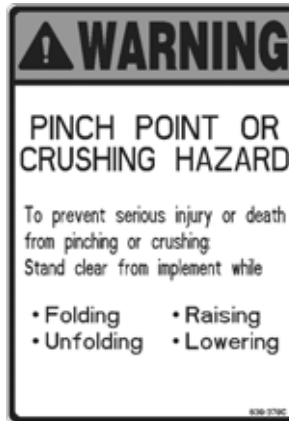
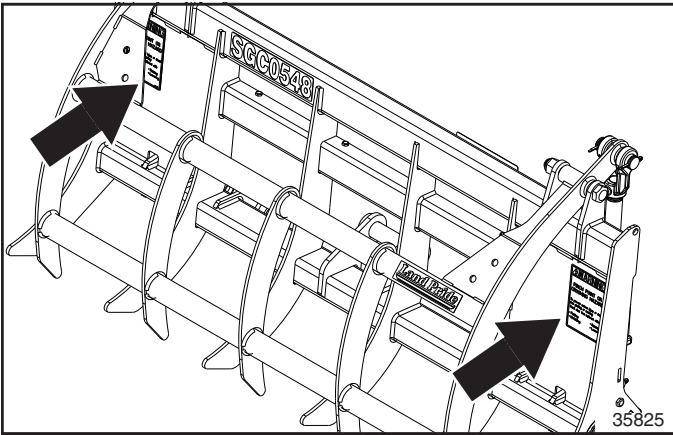
1. Keep all safety labels clean and legible.
2. Refer to this section for proper label placement. Replace all damaged or missing labels. Order new labels from your nearest Land Pride dealer. To find your nearest dealer, visit our dealer locator at www.landpride.com.
3. Some new equipment installed during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

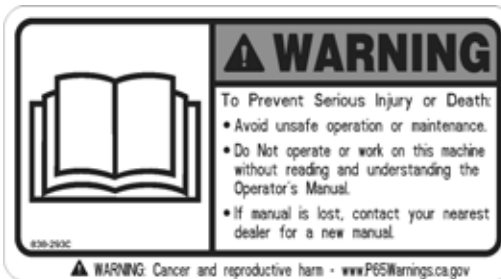
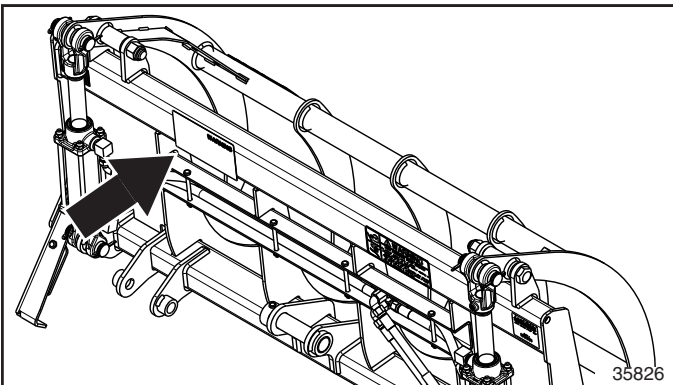
To install new labels:

- 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.



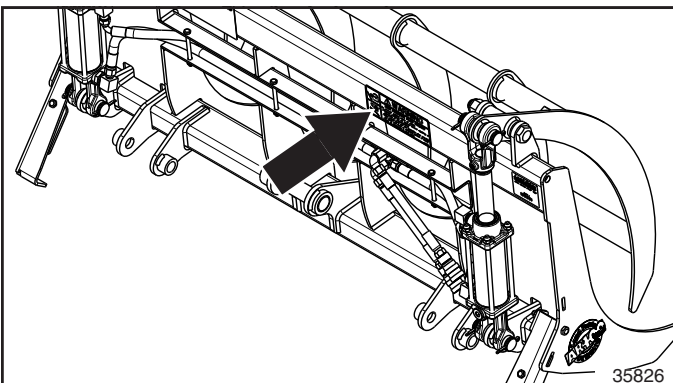
838-378C

Warning! Pinch Point or Crushing Hazard (2-places, 1 on each side)



838-293C

Warning! To Prevent Injury or Death



838-094C

Warning! High Pressure Fluid Hazard

Land Pride welcomes you to the growing family of new product owners. This Claw Grapple 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 SGC0548 Claw Grapple has uses in moving light materials, loose hay, small hay bales, limbs, trash, and other light debris. They have applications in small estates, farming, ranching, small vineyards, small orchards, resorts, nurseries, and campuses.

It is 48" in width and designed exclusively for attaching to Kubota 60 & 70 Series BX tractors with a front loader. 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.

For additional information, see **"Specifications & Capacities"** on page 17 and **"Features & Benefits"** on page 18.

Using This Manual

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

Terminology

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

Definitions

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

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

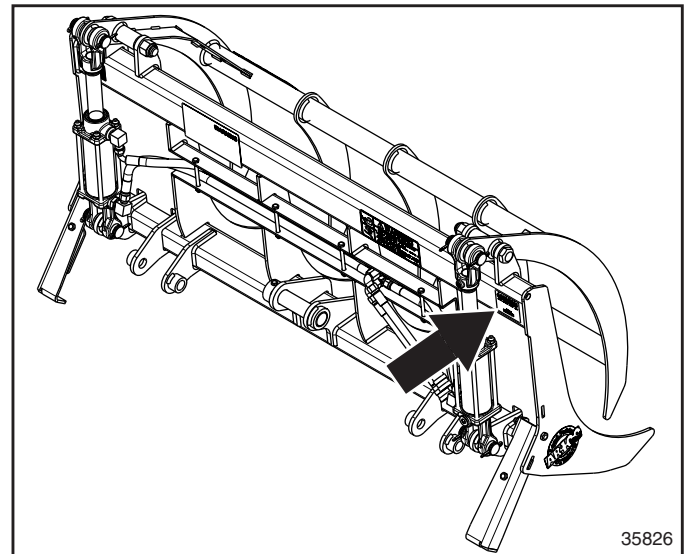
Owner Assistance

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

The parts on your Claw Grapple 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 Claw Grapple. 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 problem, and request assistance.
3. For further assistance write to:

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

E-mail address
lp servicedept@landpride.com

Tractor Requirements

The SGC0548 Grapple is designed exclusively for attaching to Kubota BX tractors with a front loader.

Kubota Tractor:

60 & 70 Series BX Tractors With a Front Loader

Hitch Requirement:

Kubota's Original Quick Hitch Option No. BX6315 or Land Pride's Extended Hitch Pin Option, Part No. 380-146A.

Hydraulic Outlets:

Land Pride's Third Function Valve Accessory Kit, Part No. 380-137A

Tractor Weight:

See Important Note Below

WARNING

To avoid serious injury or death:

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

Torque Requirements

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

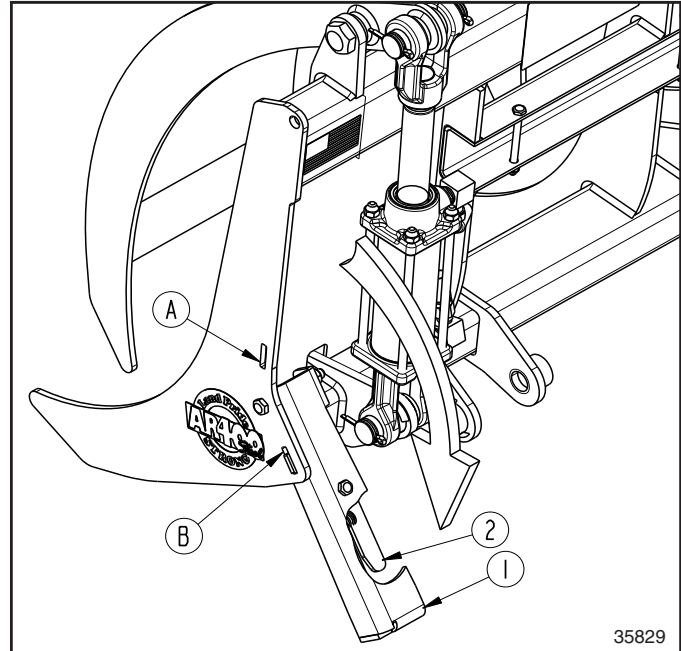
Assembly Checklist

✓	Check	Ref.
☐	Have a fork lift or loader with properly sized chains capable of lifting the equipment on hand.	
☐	Make sure all major components and loose parts are shipped with the attachment.	Assembly & Set-up
☐	Double check to make sure all parts, fasteners, and pins are installed in the correct location. Refer to the Parts Manual if unsure.	Parts Manual 380-138P
☐	Make sure working parts move freely, bolts are tight & cotter pins are spread.	Operator's Manual
☐	Make sure all safety labels are correctly located and legible. Replace if damaged.	Page 4

Before You Start

Make sure that the intended tractor conforms to the requirements provided on this page. Also, read and understand this Operator's Manual for your Claw Grapple. An understanding of how it works will aid in its assembly and set-up.

Go through the "Assembly Checklist" on this page before assembling the Claw Grapple. To speed up your assembly task and make the job safer, have all needed parts and equipment readily at hand.



Parking Stands Rotated Down
Figure 1-1

Parking Stand

Refer to Figure 1-1

Parking stands (#1) should be rotated and locked down to support the grapple in the upright position during assembly, set-up, and when storing the grapple.

- Press and hold locking lever (#2) to unlock left-hand parking stand (#1) from locking slot "A"
- Continue to hold locking lever (#2) and rotate parking stand down to the position shown until locking lever aligns with locking slot "B".
- Release locking lever to lock parking stand in the rotated down position.
- Repeat steps 1-3 for the right-hand parking stand (#1).

IMPORTANT: Always rotate and lock parking stands in the up position when using grapple to protect stands against structural damage.

- Reverse instructions to rotate and lock parking stands in the up position when grapple is connected to a tractor.

BX Third Function Valve Kit Accessory 380-137A VALVE KIT, BX THIRD FUNCTION

Refer to Figure 1-2:

Land Pride offers, as an accessory, the “BX Third Function Valve Kit”. This kit includes a joystick with two push-buttons (#14) for opening and closing the grapple jaw, valve assembly (#2), bulk head assembly with quick disconnect couplings (#1) to make hooking and unhooking hydraulic hoses easier, and hose holder (#3) for protecting the hoses from becoming pinched.

Initial Preparations

1. Park tractor on a flat surface, place gear shift lever in park, turn off engine and remove ignition key.

Valve Assembly

Refer to Figure 1-3:

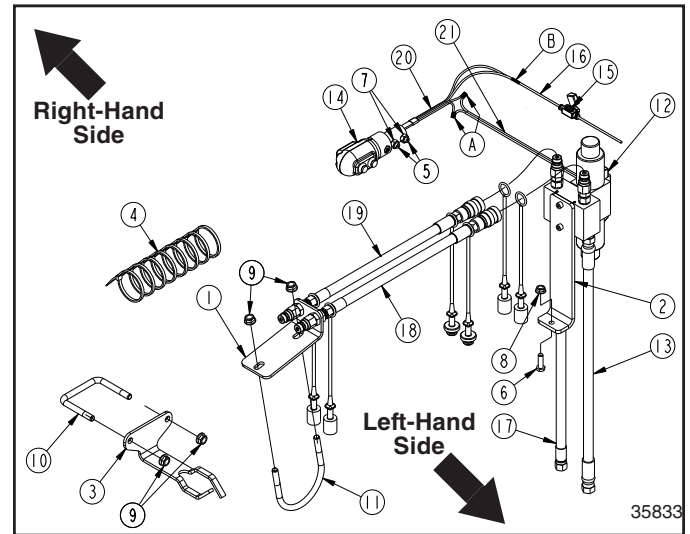
1. Attach valve assembly support bracket (#2) to existing hole “A” in tractor platform with 5/16" x 1" bolt (#6) and hex whiz nut (#8). Tighten hex whiz nut to 17 ft-lbs.
2. Route hydraulic hoses (#13 & #17) left of mounting bracket (#2) and down beneath tractor platform.

Connect Hydraulic Hoses to Power Beyond

Refer to Figure 1-2 & Figure 1-3:

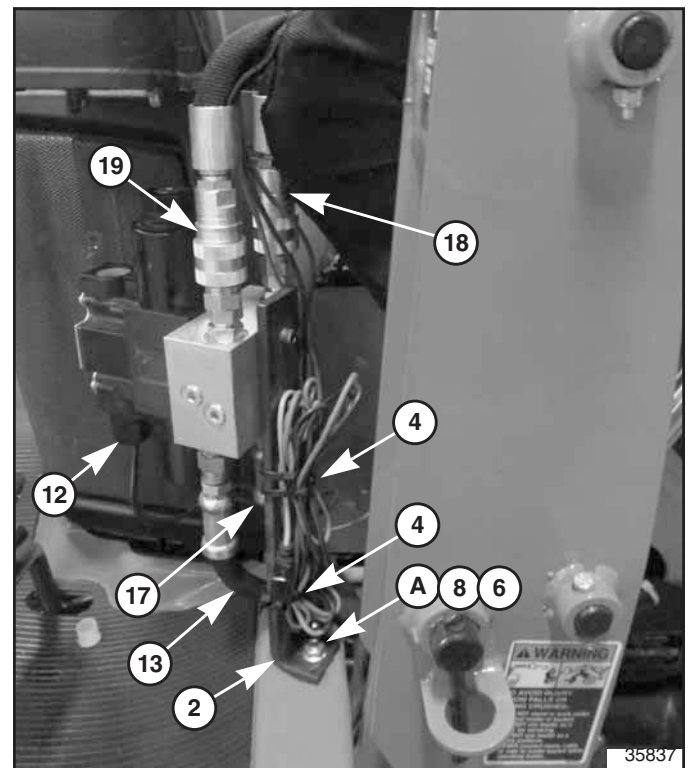
IMPORTANT: Land Pride recommends that your dealer connects hydraulic hoses (#13 & #17) to your tractor's power beyond ports. Improper hook-up could cause damage to your tractor.

1. Place chocks in front and back of tractor's left rear wheel.
2. Loosen lug nuts on right rear wheel. Do not remove lug nuts at this time.
3. Jack right rear wheel off the ground and place a jack stand under the right rear wheel axle.
4. Lower right rear axle onto the jack stand. The wheel should still be slightly off the ground. Make sure jack stand is secure and will not slip out from under tractor axle.
5. Remove lug nuts and right rear wheel.
6. Locate steel line connecting power beyond port of the loader valve to the outlet block. The outlet block is directly behind the right rear tire. The steel line consists of two shorter lines connected together to make one long steel line. Remove the rear short line.
7. Connect free end of hydraulic hose #13 to power beyond port on the outlet block.
8. Connect free end of hydraulic hose #17 to the remaining front short steel line, which is connected to the loader valve.
9. Secure hoses to underside of tractor with cable ties (#4).
10. Replace right rear wheel and screw lug nuts on until snug.

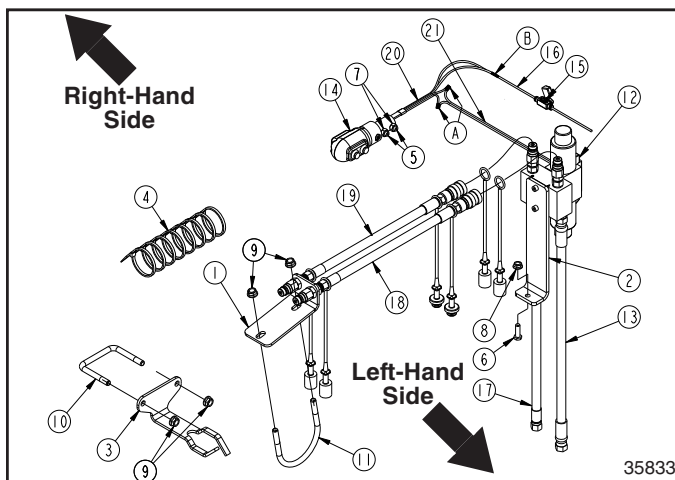


**BX Third Function Valve kit
Figure 1-2**

11. Jack axle up and remove jack stand.
12. Lower tractor down and tighten lug nuts in a crisscross pattern. Refer to tractor Operator's Manual for proper torque value.
13. Remove chocks.
14. Check tractor hydraulic fluid level. If low, add recommended hydraulic fluid. Refer to your tractor Operator's Manual for recommended hydraulic fluid and procedure for checking hydraulic fluid level.



**Valve Assembly
Figure 1-3**



BX Third Function Valve kit
Figure 1-4

Control Lever Assembly

Refer to Figure 1-5:

1. Remove existing knob from end of control lever "B".
2. Install new joystick (#14) over end of control lever "B" with push buttons "C" facing operator.
3. Tighten set screws (#5) against control lever "B". Tighten jam nuts (#7) to secure set screws.

Refer to Figure 1-4:

4. Connect two red wires from joystick (#14) to one wire of fuse holder (#15), then connect opposite end of fuse holder wire to the battery's positive (+) post.
5. Connect black wires from joystick (#14) to control valve (#12).
6. Secure black and red wires with cable ties (#4).

Cross Beam Mount Assembly

Refer to Figure 1-4 & Figure 1-6:

1. Orient as shown and attach bulk head mount (#1) to the right-hand side of loader crossbeam with u-bolt (#11) and hex whiz nuts (#9). Tighten hex whiz nuts to 20 ft-lbs.

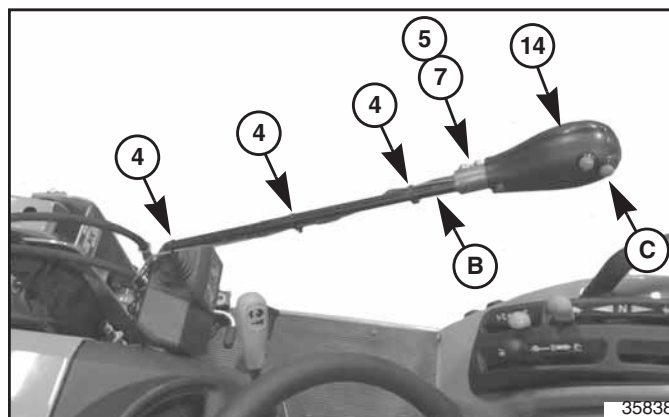
Refer to Figure 1-4 & Figure 1-7:

2. Route hoses (#18 & #19) along loader arm and through loader loop bracket to the "Third Function Valve Assembly".
3. Connect hydraulic hose (#18) to port "A" on the left-hand side of valve block (#12).
4. Connect hydraulic hose (#19) to port "B" on the right-hand side of valve block (#12).
5. Secure hydraulic hoses (#18 & #19) as needed with cable ties (#4).

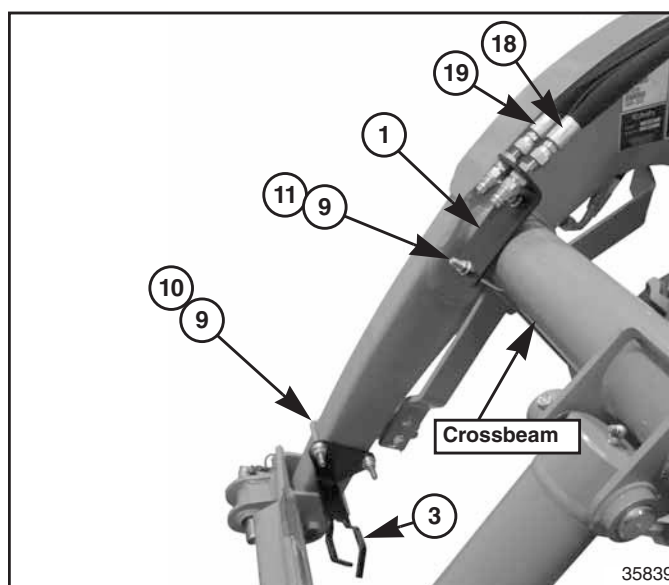
Hose Holder Bracket Assembly

Refer to Figure 1-4 & Figure 1-6:

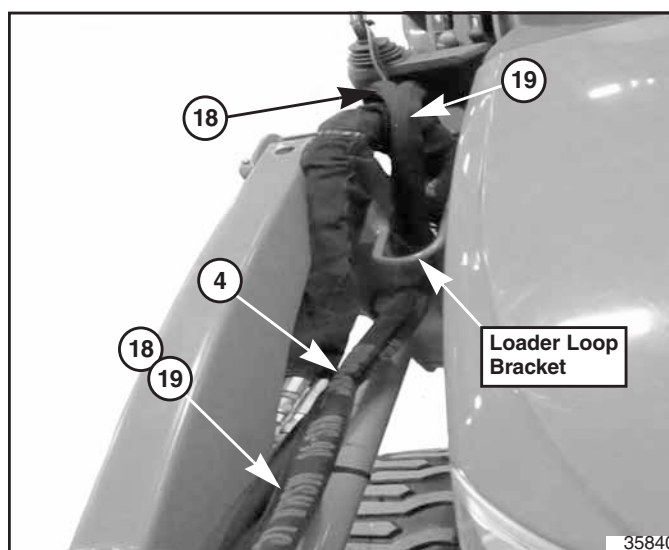
1. Attach hose holder bracket (#3) to the loader's right-hand arm as shown in Figure 1-6 with 3/8"-16 x 3 1/32" x 2 3/4" u-bolt (#10) and hex whiz nuts (#9). Tighten whiz nuts to the correct torque.



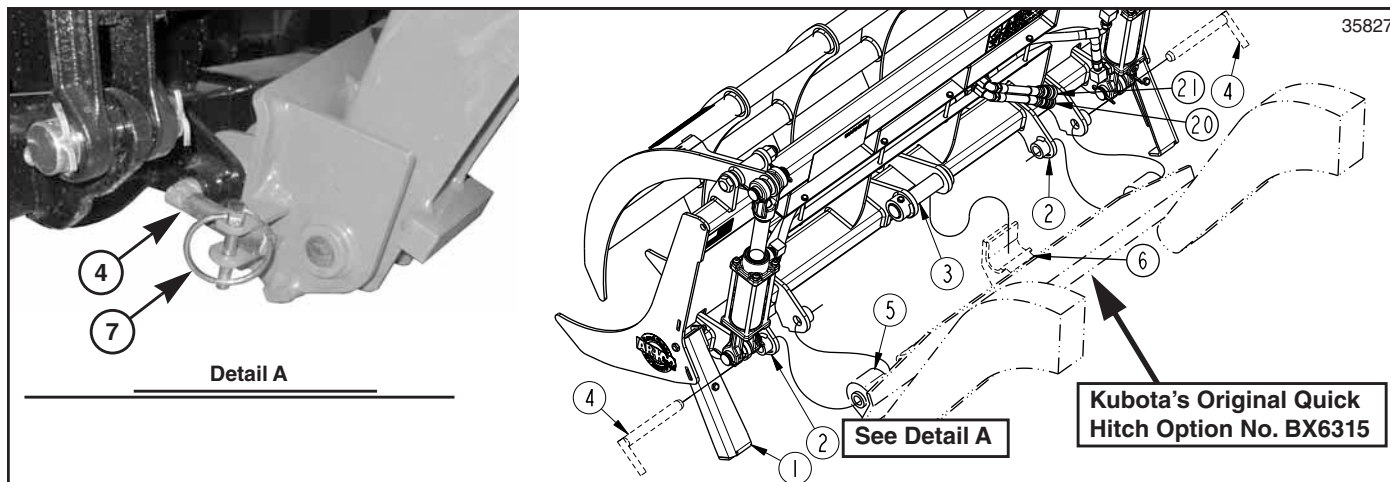
Control Stick Assembly
Figure 1-5



Cross Beam & Hose Holder Assembly
Figure 1-6



Hose Route Along Loader Arm
Figure 1-7



Kubota Original Quick Hitch Hook-up

Figure 1-8

Hook-up With Kubota Quick Hitch

DANGER

To avoid serious injury or death:

A crushing hazard exists while hooking-up and unhooking the attachment. Do not allow anyone to stand between attachment and power machine while approaching or backing away from the attachment. Do not operate lift and/or tilt controls while someone is near the power machine and/or attachment.

WARNING

To avoid serious injury or death:

Check Kubota BX tractor quick hitch fit-up frequently. Make sure the attachment's center hitch pin is cradled in the quick hitch j-hook and clevises are pinned to the quick hitch with hitch pins and secured with linchpins.

Follow instructions below if hooking grapple to “**Kubota Original Quick Hitch**” Option No. BX6315. If hooking grapple directly to the front loader, skip to “**Hook-up Without Kubota Quick Hitch**” on page 10.

Refer to Figure 1-8:

1. Check for and remove any debris in the hitch point areas before hooking-up grapple.
2. Remove linchpins (#7) and hitch pins (#4) from Kubota's Quick Hitch lower bushings (#5).
3. Rotate top of Kubota's Quick Hitch forward and lower loader arms down until j-hook (#6) is positioned to fit under grapple's center hitch pin (#3).
4. Drive tractor slowly forward until j-hook (#6) is positioned under grapple's center hitch pin (#3).
5. Slowly raise loader arms up and rotate top of Quick Hitch back until j-hook is fully seated in the grapple's center hitch pin and holes in lower connectors (#5) are in-line with holes in grapple clevises (#2).
6. Raise grapple slightly off the ground and rotate parking stands (#1) up until locked in place. See “**Parking Stand**” on page 6 for detailed instructions.

7. Insert hitch pins (#4) and secure with linchpins (#7).
8. Connect grapple hose couplers to bulk head mount couplers. See “**Hydraulic Hose Hook-up**” on page 11 for detailed hook-up instructions.

Unhook With Kubota Quick Hitch

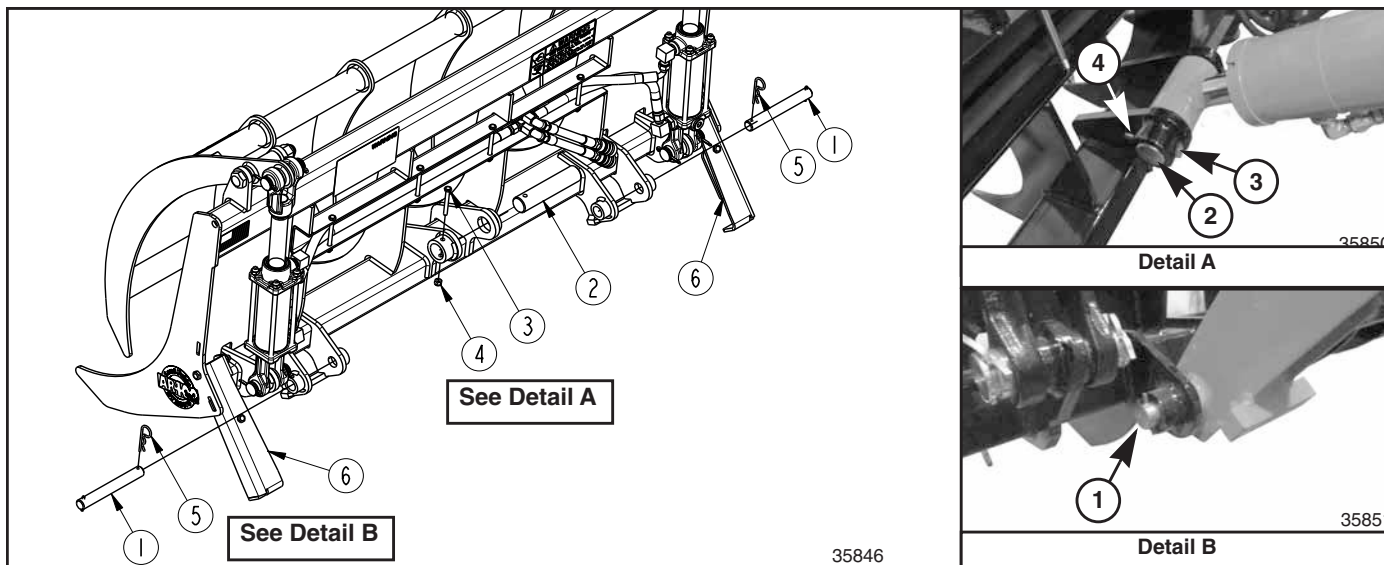
WARNING

To avoid serious injury or death:

Store attachment on solid, level ground with hydraulic cylinders fully extended, upper jaw fully closed, and parking stands locked in the rotated down position. The attachment can tip over if stored improperly.

Refer to Figure 1-8:

1. See “**Long-Term Storage**” on page 16 if parking grapple for long periods or end of season.
2. Select a solid level surface to park grapple. Lower grapple down until about 3 or 4 feet off the ground.
3. Place transmission in park, shut tractor engine off, and remove switch key.
4. Remove linchpins (#7) and hitch pins (#4) from Kubota's Quick Hitch lower connections (#5).
5. Rotate parking stands (#1) down to park position until locked in place. See “**Parking Stand**” on page 6 for detailed instructions.
6. **Refer to Figure 1-11:** Disconnect grapple hydraulic hoses from bulk head couplings “A” & “B” and remove hoses from hose holder (#3). Store hoses on grapple.
7. Return to the tractor, start engine, and lower grapple until resting on its lower jaw and parking stands.
8. Slowly lower loader arms and rotate top of Quick Hitch forward until j-hook (#6) is below grapple's center hitch pin (#3).
9. Carefully back away from grapple.
10. Rotate loader quick hitch vertical and position loader arms to a suitable traveling height.



Hook-up Without Kubota's Original Quick Hitch
Figure 1-9

Hook-up Without Kubota Quick Hitch

DANGER

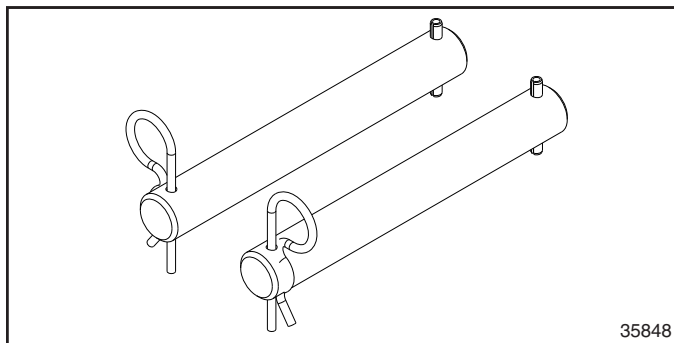
To avoid serious injury or death:

A crushing hazard exists while hooking-up and unhooking the attachment. Do not allow anyone to stand between attachment and power machine while approaching or backing away from the attachment. Do not operate lift and/or tilt controls while someone is near the power machine and/or attachment.

WARNING

To avoid serious injury or death:

Check Kubota BX tractor hitch fit-up frequently to ensure the attachment will not come loose and fall. The loader cylinder rod must be pinned to the attachment's center clevis with the hitch pin and hitch pin secured with the bolt and nut. The loader arms must be secured to the lower clevises with clevis pins and clevis pins secured with hairpin cotters.



Extended Hitch Pin Option #380-146A
Figure 1-10

Refer to Figure 1-10:

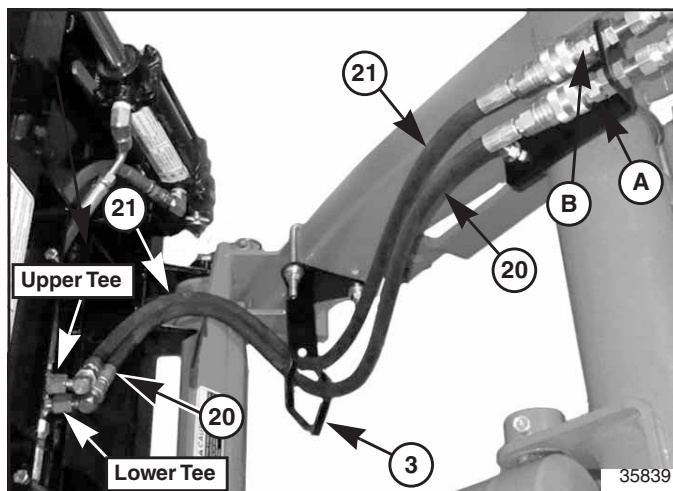
Land Pride's "BX Direct Pin Option" is required when hooking the grapple directly to the front loader without "Kubota's Original Quick Hitch Option". See your nearest Land Pride dealer to order the kit.

380-146A Option, BX LOADER DIRECT PIN

Follow steps 3-7 on this page if hooking grapple directly to the front loader. If hooking grapple to "Kubota's Original Quick Hitch Option", see "Hook-up With Kubota Quick Hitch" on page 9.

Refer to Figure 1-9:

1. Unhitch front attachment (i.e. bucket) from Kubota's BX front loader. Refer to Kubota Operator's Manual for detailed instructions.
2. Store Kubota's existing lower hitch pins and center hitch pin with the unhitched front attachment.
3. Check for and remove any debris in the hitch point areas before hooking-up grapple.
4. Approach grapple driving tractor slowly forward until loader hitch points are aligned with grapple hitch points.
5. Place transmission in park, shut tractor engine off, remove switch key, and dismount tractor.
6. Pin grapple's lower clevises to the front loader arms with extended hitch pin option (#1) and secure with hairpin cotters (#5).
7. Pin grapple's upper center clevis to hydraulic cylinder with existing grapple's hitch pin (#2). Secure with existing hex head bolt (#3) and locknut (#4). Draw locknut up snug, Do not tighten.
8. Connect grapple hose couplers to bulk head mount couplers. See "Hydraulic Hose Hook-up" on page 11 for detailed hook-up instructions.



Hydraulic Hose Hook-up
Figure 1-11

Hydraulic Hose Hook-up

Refer to Figure 1-11:

1. Route grapple hydraulic hoses (#20 & #21) straight through Hose Holder Bracket (#3).

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

2. Clean quick disconnect couplers of dirt and grease.
3. Connect hydraulic hose (#20), attached to the grapple's lower tee, to quick disconnect coupler "A".
4. Connect hydraulic hose (#21), attached to the grapple's upper tee, to quick disconnect coupler "B".
5. Make sure quick disconnect couplers are fully engaged. If they are not, check the following:
 - a. Make sure couplers are same size and type.
 - b. Make sure hydraulic system pressure has been released.
6. Extend and retract hydraulic cylinder with the push-button joystick. Switch hydraulic hoses (#20 & #21) at couplers ("A" & "B") if hydraulic cylinders operate opposite of the direction intended.
7. For additional help, refer to Hydraulic Hook-Up in your tractor Operator's Manual.
8. Check tractor hydraulic fluid level. If low, add recommended hydraulic fluid. Refer to your tractor's Operator's Manual for recommended hydraulic fluid and procedure for checking hydraulic fluid level.

Unhook Without Kubota Quick Hitch



WARNING

To avoid serious injury or death:

Store attachment on solid, level ground with hydraulic cylinders fully extended, upper jaw fully closed, and parking stands locked in the rotated down position. The attachment can tip over if stored improperly.

Refer to Figure 1-9 on page 10:

1. See "Long-Term Storage" on page 16 if parking grapple for long periods or end of season.
2. Select a solid level surface to park grapple. Lower grapple down until about 3 or 4 feet off the ground.
3. Place transmission in park, shut tractor engine off, and remove switch key.
4. Rotate parking stands (#6) down to park position until locked in place. See "Parking Stand" on page 6 for detailed instructions.
5. **Refer to Figure 1-11:** Disconnect grapple hydraulic hoses from bulk head couplings "A" & "B" and remove hoses from hose holder (#3). Store hoses on grapple.
6. Return to the tractor, start engine, and lower grapple until resting on its lower jaw and parking stands.
7. Place transmission in park, shut tractor engine off, remove switch key, and dismount tractor.
8. Pull hairpin cotters (#5) and remove lower hitch pins (#1) from grapple.
9. Remove nut (#4), bolt (#3), and hitch pin (#2).
10. Slide grapple forward about 6" and replace hitch pins (#1 & #2) in the grapple.
11. Secure lower hitch pins with hairpin cotters (#5).
12. Secure center hitch pin with bolt (#3) and lock nut (#4). Screw locknut on only 3 or 4 full turns.

Check Equipment Clearances

It is important to check clearance between tractor front loader and grapple before putting grapple into service. Make sure hoses are long enough and won't become pinched or entangled in the equipment. Also, make sure the grapple does not come in contact with tractor loader.

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 grapple 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 grapple hydraulic cylinders to pivot upper jaw fully down.
5. Fully extend and retract hydraulic cylinder on end of loader while watching for interferences between loader and grapple. Stop movement if grapple or hoses come near the loader.
6. Fully retract grapple cylinders to pivot upper jaw fully up and repeat step 5.
7. Raise loader arms fully up and repeat steps 4-6.
8. Lower grapple to ground & close upper grapple jaw.
9. Recheck tractor hydraulic fluid level before putting grapple into operation. Refer to your tractor's Operator's Manual for recommended hydraulic fluid and procedure for checking hydraulic fluid level.

Operating Checklist

Hazard control and accident prevention are dependent upon the awareness, concern, prudence and proper training involved in the operation, transport, storage, and maintenance of the Claw Grapple. Therefore, it is absolutely essential that no one operates the unit 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 Grapples

Operating Checklist

✓	Check	Page
	Read and follow all safety rules carefully. Refer to "Important Safety Information" and Safety Alert Symbols throughout this manual.	All
	Read and follow hook-up & preparation instructions. Refer to "Section 1: Assembly & Set-Up".	6
	Read and follow all operating procedures. Refer to "Section 2: Operating Procedures".	12
	Read and follow all maintenance instructions. Refer to "Section 3: Maintenance & Lubrication".	16
	Make sure there are no hydraulic leaks. Refer to "Avoid High Pressure Fluids Hazard".	3
	Check grapple initially and periodically for loose bolts and pins. Refer to "Torque Values Chart for Common Bolt Sizes".	20

General Inspection

Make the following inspections with grapple attached to a tractor that is parked on a level surface.

1. Complete Operating Checklist provided above.
2. Inspect tractor 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.
3. Inspect hitch hook-up to grapple. Make sure upper j-hook is secured under the grapple's upper hitch pin, lower hitch pins are properly installed, and linchpins are properly secured.
4. Consult your tractor Operator's Manual to determine if ballast is required. Add ballast if needed.
5. Inspect condition of hydraulic hoses, fittings, and valves before starting the machine. Make sure hoses are not pinched, kinked, twisted, or frayed; and that they will not contact moving parts.
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 grapple 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 unit into service.

Operating Safety



DANGER

To avoid serious injury or death:

- 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.
- Do not lift a load that cannot be contained or have objects smaller than the openings in the attachment.
- 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.
- Keep load positioned forward enough to prevent accidental spillage on operator and power machine.
- Keep load slightly tilted back to secure its weight against the hitch frame. Rotating top of hitch frame back too far can cause load to shift and fall rearward onto the machine and/or operator. Rotating top of hitch frame forward too far can cause load to shift and fall forward.
- 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.
- 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.
- 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.
- Never come in contact with power lines, utilities, gas lines, or other hazards, above or below ground. They can cause serious injury or death from electrocution, explosion, or fire. Before digging, call dig safe 811 (USA only) so utility companies can mark the location of underground services in the area.
- 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.
- 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.

Section 2: Operating Procedures

- 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 lift loads that exceed rated lift capacity of attachment.
- Consult your power machine's manual for operating capacity, lifting capacity, and operating specifications. Exceeding rated capacities and specifications can result in a roll-over or other serious hazard.
- Backup alarm must be in good working order to warn others. Use a backup camera or rear-view mirror that is in good condition to help see undesirable situations behind the unit. Drive at a slower speed to compensate for blind spots.
- 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.
- Hydraulic fluid under high pressure can penetrate the skin and/or eyes causing a serious injury. Wear protective gloves and safety glasses or goggles when working with hydraulic systems. Use a piece of cardboard or wood rather than hands when searching for leaks. A doctor familiar with this type of injury must treat the injury within a few hours or gangrene may result. DO NOT DELAY.
- 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 the operator to lose control.
- Do not use equipment to lift, carry, push or tow other equipment and objects. It is not properly designed or guarded for this use.
- Do not use 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.
- Do not use attachment to lift, carry, push or tow other equipment and objects. It is not properly designed or guarded for this use. The operator could lose control and cause a tipping hazard.
- Do not force solid objects in between teeth while closing upper jaw against lower jaw.
- Do not alter attachment or replace parts on the attachment with other brands. Other brands may not fit properly or meet OEM specifications. They can weaken the integrity and impair the safety, function, performance, and life of the attachment. Replace parts only with genuine OEM parts.
- Never carry riders on the attachment or power machine. 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.
- Before dismounting to unhook grapple, fully close upper grapple jaw and lower loader lift arms until the grapple's lower jaw and parking stands are resting on solid level ground.
- Before dismounting to lock park stands down, close upper jaw, rotate loader hitch plate fully forward, and lower attachment until upper jaw is resting on the ground.
- Keep load centered, even when stopped. This will optimize load stability and protect against load shifting.
- 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.
- Follow recommendations in the power machine Operator's Manual when parking or dismounting the power machine.
- Always lower grapple to the ground and fully close upper jaw before dismounting to service the grapple or to park with grapple attached. Working around a grapple with raised upper jaw or getting on and off the power machine with loader arms not fully down can cause in a crushing hazard due to accidental movement of control levers or loss of hydraulic pressure.
- Lightweight power machines may need weight added to the rear to maintain steering control and prevent forward tipping or side tipping caused by a heavy front load. Consult your power machine Operator's Manual to determine proper weight requirements and maximum weight limitations.
- Wear appropriate personal protective gear, including eye protection when appropriate, when operating a power machine without an enclosure or protective shield. Dust and debris can get into the eyes.

Transport Safety



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.
- 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 and back down inclines.
- Always travel straight up and straight down inclines. Make turns only on level ground.
- 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 roads, use LED lights, slow moving vehicle sign, clean reflectors, and other adequate devices to warn operators in other vehicles of your presence. If implement blocks visibility of slow moving vehicle sign, relocate sign so it is visible from the back at all times. Always comply with all federal, state, and local laws.

Section 2: Operating Procedures

- 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.

Claw Grapple Operation

Picking-Up A Load

WARNING

To avoid serious injury or death:

- 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.
- 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.

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

IMPORTANT: Close upper jaw with care when lifting fragile or hollow objects such as a crate. This will help protect the object from being crushed.

1. Be sure to read and understand all safety alerts under "**Operating Safety**" on page 12.
2. Make sure load does not exceed rated lift capacity of the tractor being used to lift the load.
3. Check for overhead obstructions.
4. Center grapple on material to be picked up.
5. Make a complete stop in front of material and position grapple at the proper height to enter the pile.
6. Fully open grapple jaw and slowly drive into the pile. Do not ram grapple into pile.
7. Close grapple jaw to secure load.
8. Lift load a few inches and tilt it back slightly.
9. Make sure you have good control of the load. If load is not secure, release and recapture load in a more secure location.
10. Back load out of the pile slowly, making sure load clears all other obstacles.
11. Not always will load be secured properly in the grapple 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.
12. Position load at a safe, low traveling height before transferring to unloading site.

Traveling With A Load

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

Releasing A Load

1. Be sure to read and understand all safety alerts under "**Operating Safety**" on page 12.
2. Stop in front of desired location.
3. Slowly raise load to required height.
4. Move forward slowly checking to make sure grapple and load clears all obstacles.
5. Stop forward movement when load is positioned over its release location.
6. Releasing load requires a combination of tilting front of grapple down, raising upper jaw, and raising 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.
7. Once load has settled onto the pile, slowly back up making sure grapple clears all objects and there are not any pedestrians or other traffic behind or on either side.
8. Leave enough clearance when turning and/or lowering the grapple that it does not make contact with obstacles such as buildings, trees, fences etc.
9. Lower grapple to transporting height (low to the ground) before moving again.

Ripping Out Bushes

1. Be sure to read and understand all safety alerts under **"Operating Safety"** on page 12.
2. Open upper claw halfway.
3. Rotate front of grapple down while lowering unit until upper teeth extend into the ground on the far side of the bush and lower teeth are on the near side.
4. Close grapple claws around the roots of the bush.
5. Raise grapple up to rip bush from ground.

Break Sod With Lower Jaw

IMPORTANT: Do not operate attachment with lower teeth extending very deep into the ground. Doing so can damage equipment.

1. Be sure to read and understand all safety alerts under **"Operating Safety"** on page 12.
2. Open upper jaw halfway.
3. Lower grapple until bottom teeth start to go into the ground. Do not go very deep into the ground.
4. Drive forward to break up sod and push debris ahead of attachment.

Back Raking With Upper Jaw

IMPORTANT: Check full range of motion before rotating attachment down to back rake. See **"Check Equipment Clearances"** on page 11.

1. Be sure to read and understand all safety alerts under **"Operating Safety"** on page 12.
2. Open upper jaw fully and rotate front of grapple down while lowering unit until the tips of the upper teeth touch the ground.
3. Back-up to rake loose sticks and debris into a pile.
4. For instructions on how to pick-up the raked pile, see **"Picking-Up A Load"** on page 14.

General Operating Instructions

By now you should have familiarized yourself with the Operator's Manual for your Claw Grapple. If you haven't, please do so now. 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 Claw Grapple, but we do recommend that you take a little time to practice securely attaching and detaching your grapple to and from your mounting plate. It is also important to practice lifting, lowering, maneuvering, and placing a load until you gain the confidence and skill needed to have a good feel in what you are doing. We cannot overstate the importance of following the safety information and operating procedures that are spelled out in this Operator's Manual.

As you quickly become more skilled and adept in using your Claw Grapple, you will soon learn that it is always more important to focus on the "don'ts" than it is to focus on the "dos." For example, don't exceed the lift capacity of your grapple or tractor. Don't lift your load too high creating an unstable load and unsafe situation. Don't tilt your load too far backwards, setting up a situation that could cause your load to roll or spill backwards onto you, the tractor, and the operator's platform. Don't drive too fast for your ground and load conditions. Don't work on or around slippery or sloped areas that could cause you to lose control of the tractor. Don't allow pedestrians, pets, or livestock to approach the danger zone of your working area. Always close grapple upper claw and lower grapple until it is resting on the ground before leaving your tractor.

If you just follow these few safety reminders, you will find that you will quickly become very adept, handy, and skillful at using your Land Pride Claw Grapple.

See **"Specifications & Capacities"** on page 17 and **"Features & Benefits"** on page 18 of your Operator's Manual for additional information.

Maintenance

Proper servicing and adjustments are 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 grapple for several hours and on a regular basis thereafter to ensure they are tight and secured.

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

Replace worn, damaged, or missing grapple parts only with genuine Land Pride parts.

Replace illegible or missing 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:

- *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. Brush and other debris can damage hoses and fittings causing the load to release and fall.*
- *Perform scheduled maintenance. Check for loose hardware, missing parts, broken parts, structural cracks, and excessive wear. Make repairs before putting the attachment back into service. Serious breakdowns can result in injury or death.*
- *Perform scheduled maintenance. Check for loose hardware, missing parts, broken parts, structural cracks, and excessive wear. Make repairs before putting implement back into service.*
- *Do not alter attachment or replace parts on the attachment with other brands. Other brands may not fit properly or meet OEM specifications. They can weaken the integrity and impair the safety, function, performance, and life of the attachment. Replace parts only with genuine OEM parts.*

Tractor Maintenance

One of the most important things you can do to prevent hydraulic system problems is to ensure your tractor hydraulic reservoir remains free of dirt and contamination.

Use a clean cloth to wipe hose ends before attaching them to your tractor. Replace your tractor's hydraulic filter element at the prescribed intervals. These simple maintenances will go a long way to prevent occurrence of control valve and hydraulic cylinder problems.

Long-Term Storage

WARNING

To avoid serious injury or death:

Store attachment on solid, level ground with hydraulic cylinders fully extended, upper jaw fully closed, and parking stands locked in the rotated down position. The attachment can tip over if stored improperly.

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 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 grapple. Scrape off compacted dirt and then wash its surface thoroughly with a garden hose.
2. Inspect grapple for loose, damaged, or worn parts and adjust or replace when needed.
3. Repaint parts where paint is worn or scratched to prevent rust. Ask your Land Pride dealer for aerosol touch-up paint. They are also available in touch-up bottles with brush, quarts, and gallon sizes by adding TU, QT, or GL to the end of the aerosol part number.

Kubota Touch-up Paint

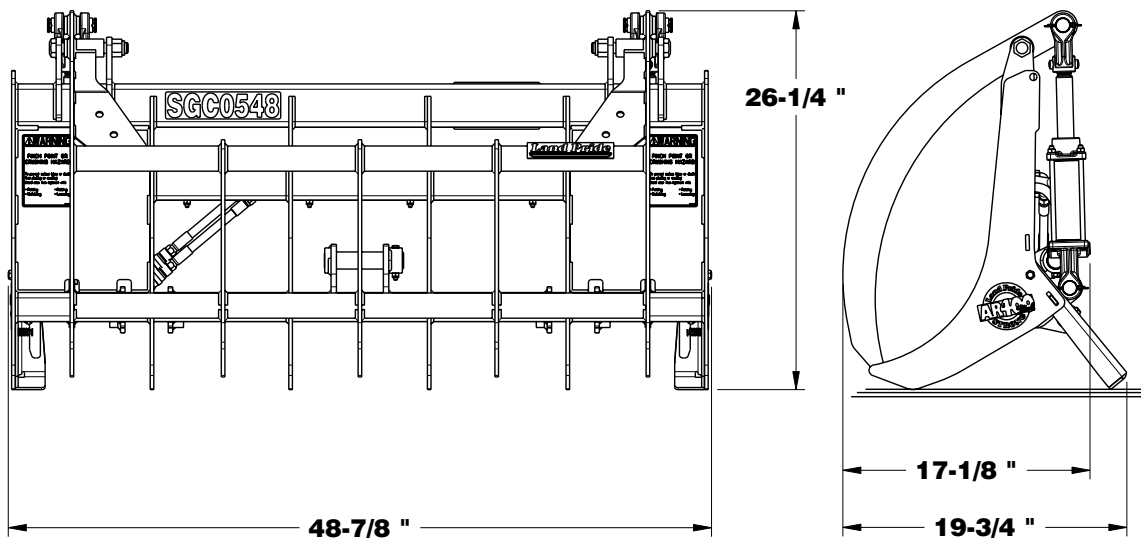
Part No.	Part Description
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77700-06430	GLOSS BLACK ENAMEL SPRAY CAN
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4. Replace all damaged or missing guards & decals.
5. Apply lubricant to areas not painted to help prevent rust.
6. Store grapple on a level surface in a clean, dry place. Inside storage will reduce maintenance and make for a longer grapple life.
7. Do not allow children to play on or around the stored grapple.

SGC0548 Model

Specifications & Capacities	
Weight	156 lbs.
Overall Width	48 7/8"
Closed Height	26 1/4"
Jaw Opening	30"
Number of Teeth	6 Bottom & 5 Top
Teeth Spacing	9 3/8"
Tooth Thickness	1/4"
Working Length of Teeth	8 3/8"
Hydraulic Cylinder	2" x 4" x 1 1/8" Rod
Maximum Pressure Rating	2500 psi



35830

SGC0548 Model

Features	Benefits
Designed to fit Kubota's BX tractors with front loaders	Easy to attach to Kubota's BX tractor loaders with or without Kubota Original Quick Hitch. A good fit for Kubota BX tractors with front loaders.
Designed to protect hydraulic hoses	Hydraulic hoses routed to prevent pinching.
3/4" Pivot pins	Large diameter pins for extra strength.
Dual hydraulic cylinders	Allows upper claw to grip the material better.
AR400 teeth material	More than double the strength of mild steel.
High volume cage design	Can handle large volume of material.
BX Third Function Valve Kit (Accessory)	Can control all grapple and loader movements with a joystick. Provides easy hooking and unhooking of hydraulic hoses at the front of the loader.
Extended Hitch Pins (Option)	Allows the grapple to be hitched directly to the loader arms without purchasing Kubota's Original Quick Hitch to make the connection.

Troubleshooting Chart

Problem	Cause	Solution
Cannot lift load	Insufficient power to lift load.	Reduce load on grapple.
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 and/or fittings 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.
Claws don't sufficiently 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.
Upper claw does not operate	Hydraulic hoses are not coupled to tractor.	Reattach couplings to tractor.
	Hydraulic hoses and/or fittings are damaged.	See " Hydraulic hoses are stretched and/or damaged " and " Hydraulic fittings are damaged " above.
Load is shifting	Hitch is not properly attached to front mounted loader.	Always make certain hitch is properly attached before lifting a load. Reattach hitch to front mounted loader 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.
	Claws not clamped tight against the load.	Re-clamp load once load is free from pile.
	Load is not centered in grapple.	Center load on grapple.
	Traveling with bottom teeth tilted down at the front.	Keep load slightly tilted back to secure its weight against the bottom grapple teeth.
	Teeth are bent.	Straighten bent teeth.
	Traveling forward while going down an incline with a slope in excess of 10 percent (5.7 degrees).	Back down steep inclines.
Teeth are bending or breaking	The load's center of gravity is not centered in the grapple.	Reposition load so that the load's center of gravity is centered in the grapple.
	Load is too heavy for the grapple.	Lift lighter loads.
	Ramming grapple into the ground or load.	Never ram with grapple.
	Striking solid objects with the grapple.	Watch for objects while moving and allow clearance when making turns. Inspect area thoroughly before working in it and place markers, such as flags, to indicate potential hazards.
	Prying objects out of the ground.	Never use grapple to pry objects.
	Wedging objects between teeth with upper claw.	Do not wedge objects between teeth with upper claw.

Torque Values Chart for Common Bolt Sizes																		
Bolt Size (Inches)	Bolt Head Identification						Bolt Size (Metric)	Bolt Head Identification										
		Grade 2			Grade 5				Grade 8			Class 5.8			Class 8.8			Class 10.9
in-tpi ¹	N · m ²	ft-lb ³	N · m	ft-lb	N · m	ft-lb	mm x pitch ⁴	N · m	ft-lb	N · m	ft-lb	N · m	ft-lb	N · m	ft-lb			
1/4" - 20	7.4	5.6	11	8	16	12	M 5 X 0.8	4	3	6	5	9	7					
1/4" - 28	8.5	6	13	10	18	14	M 6 X 1	7	5	11	8	15	11					
5/16" - 18	15	11	24	17	33	25	M 8 X 1.25	17	12	26	19	36	27					
5/16" - 24	17	13	26	19	37	27	M 8 X 1	18	13	28	21	39	29					
3/8" - 16	27	20	42	31	59	44	M10 X 1.5	33	24	52	39	72	53					
3/8" - 24	31	22	47	35	67	49	M10 X 0.75	39	29	61	45	85	62					
7/16" - 14	43	32	67	49	95	70	M12 X 1.75	58	42	91	67	125	93					
7/16" - 20	49	36	75	55	105	78	M12 X 1.5	60	44	95	70	130	97					
1/2" - 13	66	49	105	76	145	105	M12 X 1	90	66	105	77	145	105					
1/2" - 20	75	55	115	85	165	120	M14 X 2	92	68	145	105	200	150					
9/16" - 12	95	70	150	110	210	155	M14 X 1.5	99	73	155	115	215	160					
9/16" - 18	105	79	165	120	235	170	M16 X 2	145	105	225	165	315	230					
5/8" - 11	130	97	205	150	285	210	M16 X 1.5	155	115	240	180	335	245					
5/8" - 18	150	110	230	170	325	240	M18 X 2.5	195	145	310	230	405	300					
3/4" - 10	235	170	360	265	510	375	M18 X 1.5	220	165	350	260	485	355					
3/4" - 16	260	190	405	295	570	420	M20 X 2.5	280	205	440	325	610	450					
7/8" - 9	225	165	585	430	820	605	M20 X 1.5	310	230	650	480	900	665					
7/8" - 14	250	185	640	475	905	670	M24 X 3	480	355	760	560	1050	780					
1" - 8	340	250	875	645	1230	910	M24 X 2	525	390	830	610	1150	845					
1" - 12	370	275	955	705	1350	995	M30 X 3.5	960	705	1510	1120	2100	1550					
1-1/8" - 7	480	355	1080	795	1750	1290	M30 X 2	1060	785	1680	1240	2320	1710					
1-1/8" - 12	540	395	1210	890	1960	1440	M36 X 3.5	1730	1270	2650	1950	3660	2700					
1-1/4" - 7	680	500	1520	1120	2460	1820	M36 X 2	1880	1380	2960	2190	4100	3220					
1-1/4" - 12	750	555	1680	1240	2730	2010	¹ in-tpi = nominal thread diameter in inches-threads per inch ² N · m = newton-meters ³ ft-lb= foot pounds ⁴ mm x pitch = nominal thread diameter in millimeters x thread pitch											
1-3/8" - 6	890	655	1990	1470	3230	2380												
1-3/8" - 12	1010	745	2270	1670	3680	2710												
1-1/2" - 6	1180	870	2640	1950	4290	3160												
1-1/2" - 12	1330	980	2970	2190	4820	3560												
Torque tolerance + 0%, -15% of torquing values. Unless otherwise specified use torque values listed above.																		

Warranty

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

Overall Unit: One year Parts and Labor

Hydraulic Cylinders: One year Parts and Labor;
Hoses and seals are considered wear items.

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

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

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

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

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

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