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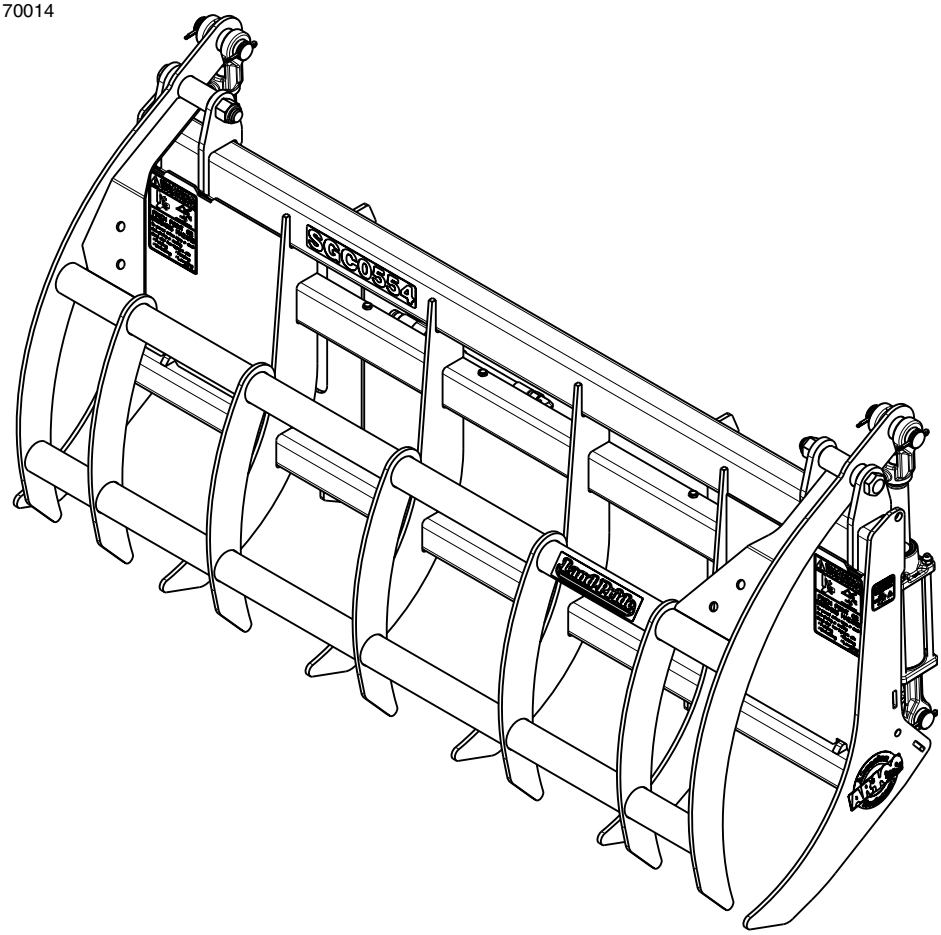
Claw Grapple

SGC0554

70014



380-275M
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 1/26/26

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: Handling passenger or off-highway motor vehicle parts can expose you to chemicals such as phthalates and lead, which can cause cancer and reproductive harm. To minimize exposure, service the vehicle in a well-ventilated area, wear gloves, and wash your hands. For more information see www.P65Warnings.ca.gov/motor-vehicle-parts.

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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. Scan the QR code and take a picture.

Dealer QR Locator

The QR code to 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 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 your 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 the sides 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.

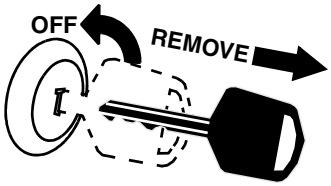
Safety Precautions for Children

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.



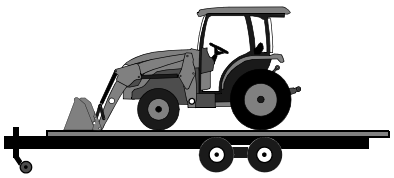
Listed below are common practices that may or may not be applicable to the products described in this manual.

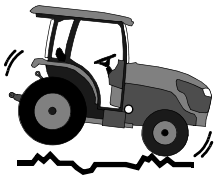
Dig Safe - Avoid Underground Utilities

- ▲ USA: Call 811
  CAN:
  http://www.clickbeforeyoudig.com
- ▲ 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.

Towing Safely

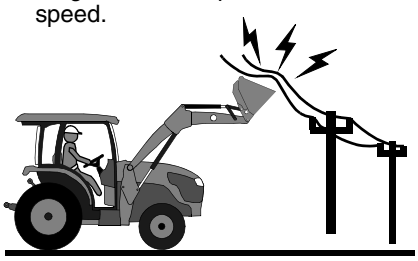
- ▲ Comply with federal, state, and local laws.
- ▲ Use towing vehicle and trailer of adequate size and capacity. Secure equipment towed on a trailer with chocks, tie downs, and chains.
- ▲ **IMPORTANT:** Do not tow a load that is more than double the weight of the vehicle towing the load.
- ▲ Sudden braking can cause a towed trailer to swerve unexpectedly. Reduce speed if trailer is not equipped with brakes.





Transport Safely

- ▲ Comply with federal, state, and local laws.
- ▲ Avoid contact with any overhead utility lines or electrically charged conductors.
- ▲ Always drive with attachment on the end of the loader arms low to the ground.
- ▲ Follow recommendations in the power machine Operator's Manual when driving uphill or downhill and when parking on an incline.
- ▲ Engage park brake when stopped on an incline.
- ▲ Never travel at a speed which does not allow adequate control of the load, steering, and stopping. Some rough terrains require a slower speed.

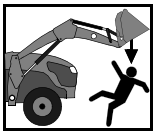


Tire Safety

- ▲ 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

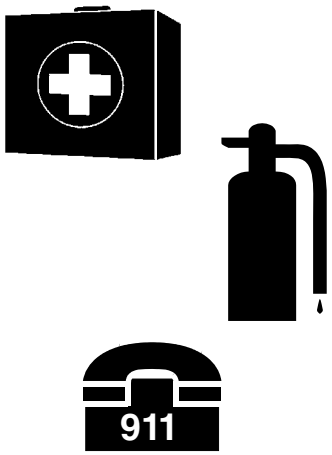
- ▲ Understand procedure before doing work. Refer to the Operator's Manual for additional information.
- ▲ Work on a level surface in a clean, dry area that is well-lit.
- ▲ Lower attachment to the ground and follow all shutdown procedures before leaving the operator's seat to perform maintenance.
-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

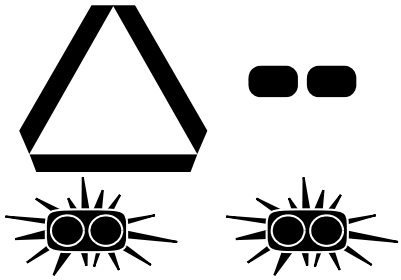
- ▲ Wear protective clothing and equipment appropriate for the job such as safety shoes, safety, glasses, hard hat, dust mask, and ear plugs.
- ▲ Clothing should fit snug without fringes and pull strings to avoid entanglement with moving parts.
- ▲ Prolonged exposure to loud noise can cause hearing impairment 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.
- ▲ Flashing warning lights and turn signals are recommended whenever driving on public roads.
- ▲ For tractors and other agriculture equipment, a Slow Moving Vehicle (SMV) sign is required when traveling on public roads.

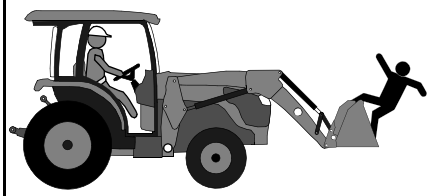


Use Seat Belt and ROPS

- ▲ Land Pride recommends the use of a CAB or roll-over-protective-structure (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 the operator against serious injury or death from falling and/or machine overturn.

Keep Riders Off Machinery

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

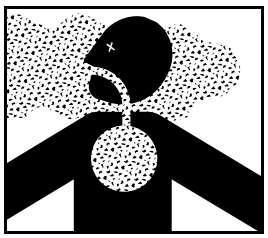


These are common practices that may or may not be applicable to the products described in this manual.

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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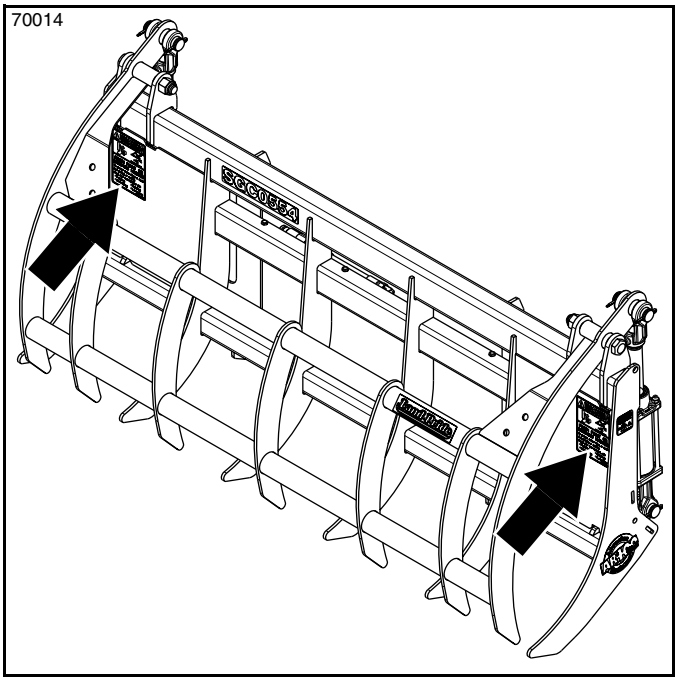
Safety Labels

Your 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.

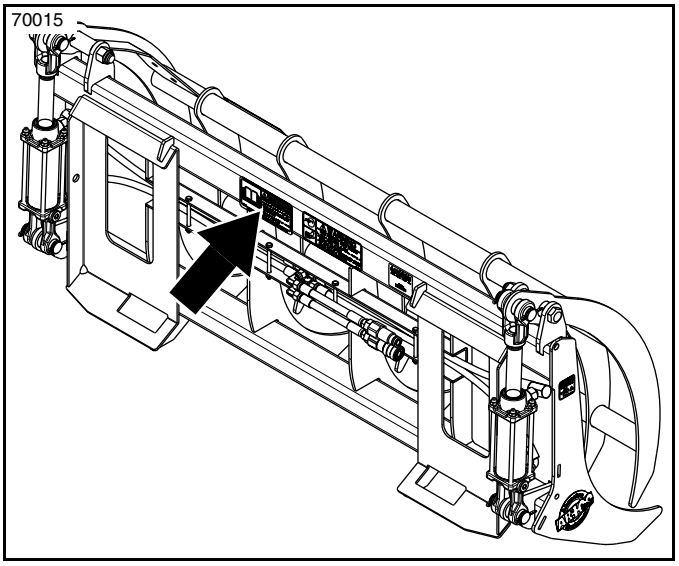
1. *Keep all safety labels clean and legible.*
2. *Refer to this section for proper label placement. Replace all damaged or missing labels. Order new labels from your nearest Land Pride dealer. To find your nearest dealer, visit our dealer locator at www.landpride.com.*
3. *Some new equipment installed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

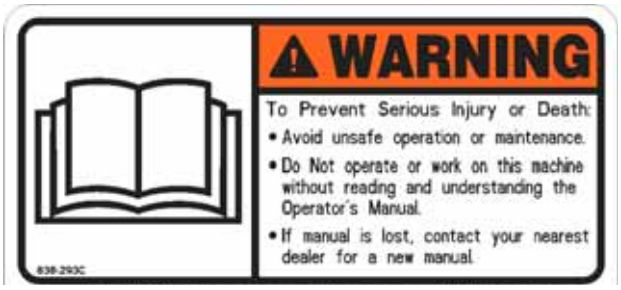


838-378C

Warning: Pinch Point or Crushing Hazard

2 Places: One on each side of the grapple front



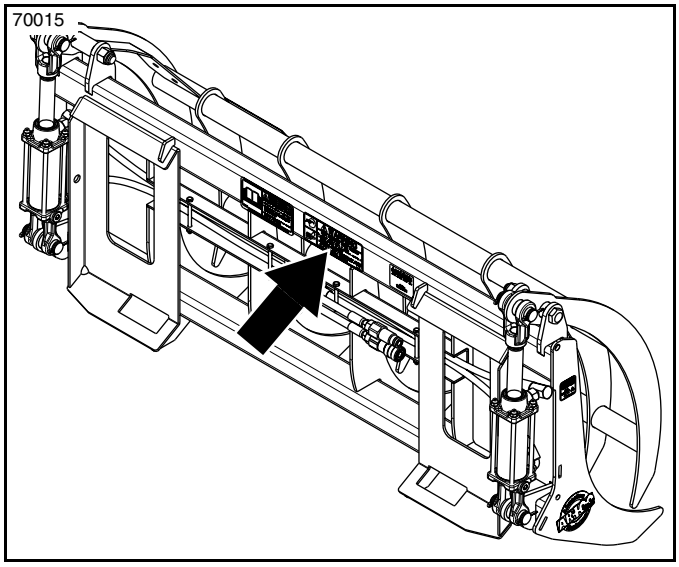


838-293C

Warning: Read Operator's Manual

1 Place: On the back side of the grapple

70015



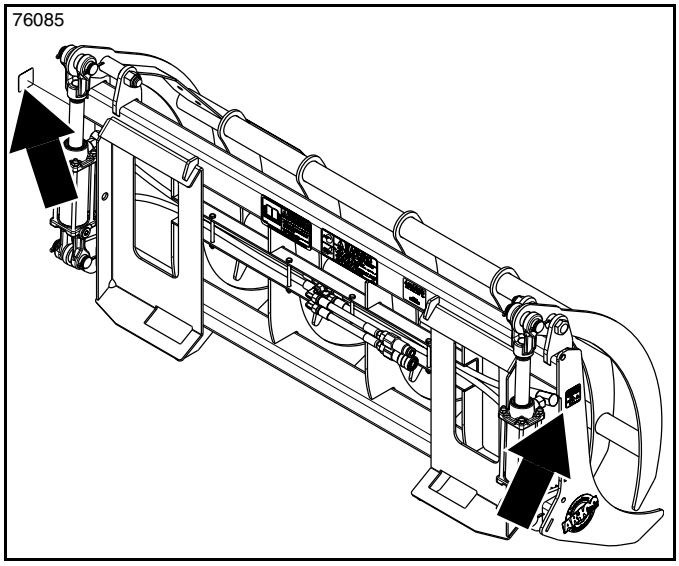
70245

838-094C

Warning: High Pressure Fluid Hazard

1 Place: On the back side of the grapple

76085



70589

858-765C

Warning: Pinch Point Hazard

2 Places: One on each side of the grapple

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 SGC0554 Claw Grapple is designed to move light materials, loose hay, small hay bales, limbs, trash, and other light debris. The SGC0554 has applications in small acreage areas, farms, ranches, vineyards, orchards, resorts, nurseries, and campuses.

It is 54" (137 cm) in width and designed exclusively for attaching to Kubota's BX80 Series tractors fitted with the BX loader with 2 lever quick coupler. Kubota BX80 Series 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 21 and "**Features & Benefits**" on page 22.

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.

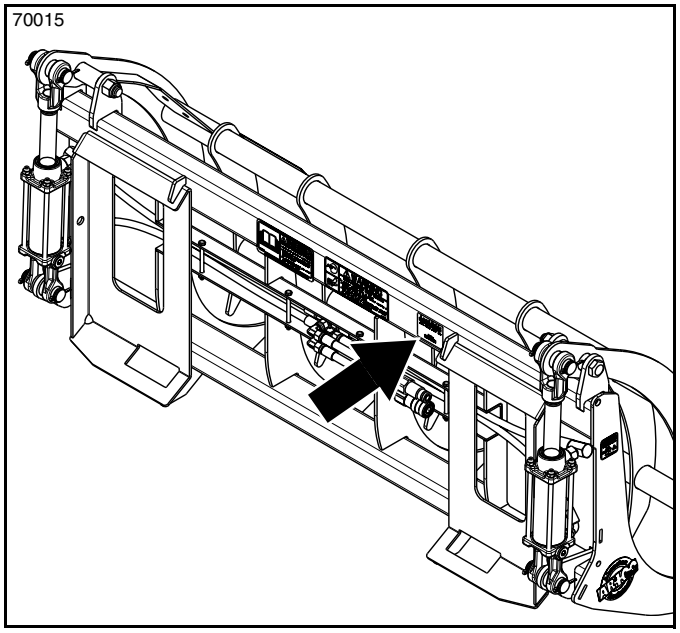
Owner Assistance

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 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 correspondence 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. If you have any issues or questions with your new implement/attachment, please contact the service department at your local dealership to address your concerns.
2. If you are still not satisfied, seek out the owner or general manager of the dealership, explain the question/issue, 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
lpservice@landpride.com

Tractor Requirements

The SGC0554 Claw Grapple is designed for attaching to Kubota's BX80 Series tractors fitted with BX loader with 2 lever quick coupler. Tractors outside the horsepower and weight range must not be used.

Horsepower range . . . . . .17-26 hp (12.7-19.4 kW)
Tractor weight. . . . . 1300-1600 lbs (590-726 kg) max.
Loader outlets . . 1 male & 1 female flat face couplers
BX loader type . . . . . .
LA340S or LA344 with 2 lever quick attach hitch

⚠ WARNING

To avoid serious injury or death:

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.

Torque Requirements

Refer to **"Torque Values Chart"** on page 24 to determine correct torque values when tightening hardware.

Pre-Assembly Checklist

✔	Check	Ref.
☐	Have a forklift 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 380-275P
☐	Make sure working parts move freely, and bolts are tight.	Operator's Manual
☐	Make sure all safety labels are correctly located and legible. Replace if damaged.	Page 6

Before You Start

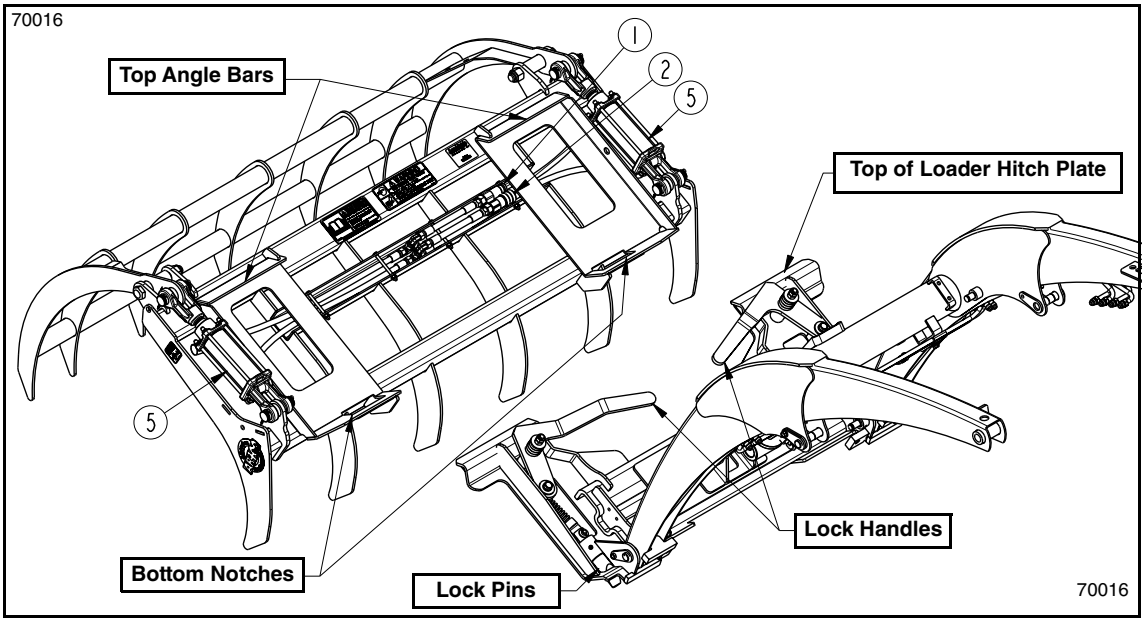
Make sure the intended tractor conforms to the requirements provided on this page. Also, read and understand this Operator's Manual for your Claw Grapple. An understanding of how it works will aid in its assembly and set-up.

Go through the **"Pre-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.

Tractor Shutdown Procedure

The following are basic tractor shutdown procedures. Follow these procedures and any additional shutdown procedures provided in your tractor Operator's Manual before leaving the operator's seat.

1. Reduce engine speed and disengage power take-off if engaged.
2. Park tractor and implement on level, solid ground.
3. Lower implement 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 ignition key to prevent unauthorized starting.
5. Relieve all hydraulic pressure to auxiliary hydraulic lines.
6. Wait for all components to come to a complete stop before leaving the operator's seat.
7. Use steps, grab-handles and anti-slip surfaces when stepping on and off the tractor.



BX80 Series Kubota Quick Attach Hitch Hook-up
Figure 1-1

Hook-up Grapple

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 result in the attachment falling from the loader hitch plate.*
- *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.*

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

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

Hydraulic Hose Hook-Up

WARNING

To avoid serious injury or death:

- *Hydraulic fluid under high pressure will penetrate the skin or eyes causing serious injury. Wear protective gloves and safety glasses or goggles when working with hydraulics. 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 certain the attachment is resting on the ground and all hydraulic pressure is relieved before disconnecting hydraulic fittings from the power machine.*
- *Shutdown power machine and release all hydraulic pressure to the equipment before connecting or disconnecting hydraulic hoses to or from the power machine.*

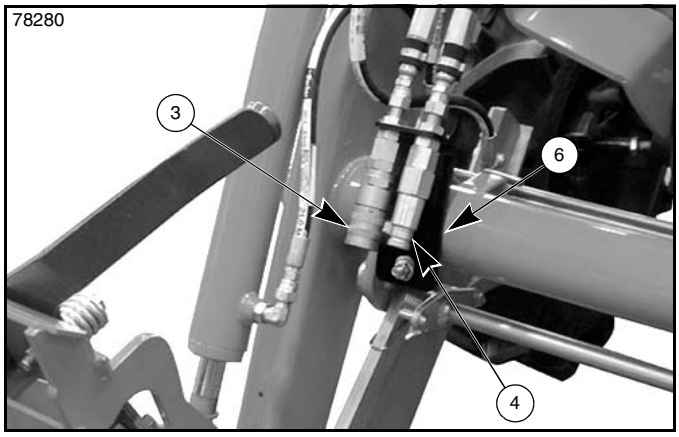
- *Make sure hydraulic hoses are properly routed without twists to prevent them from becoming stretched, pinched, or kinked. A damaged hydraulic hose can burst and leak hydraulic fluid.*
- *Hydraulic fluid can become hot as it flows through components such as hydraulic couplers, hoses, lines, fittings, motors, etc. Wear gloves when working with hydraulic components including while connecting and disconnecting couplers. It is best to allow hydraulic components to cool before touching them.*

IMPORTANT: Hose routing is the responsibility of the owner/operator. Pinched and/or stretched hoses are not covered under the warranty.

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

NOTE: If couplers (#1 & #2) in Figure 1-1on page 10 do not match Land Pride's third function couplers (#3 & #4) in Figure 1-2 below, then switch-out fittings (#1 & #2) to match.

NOTE: Refer to Kubota's Third Function Valve Block on this page if attaching couplers (#1 & #2) in Figure 1-1on page 10 to a Kubota tractor loader with a factory supplied third function valve block.

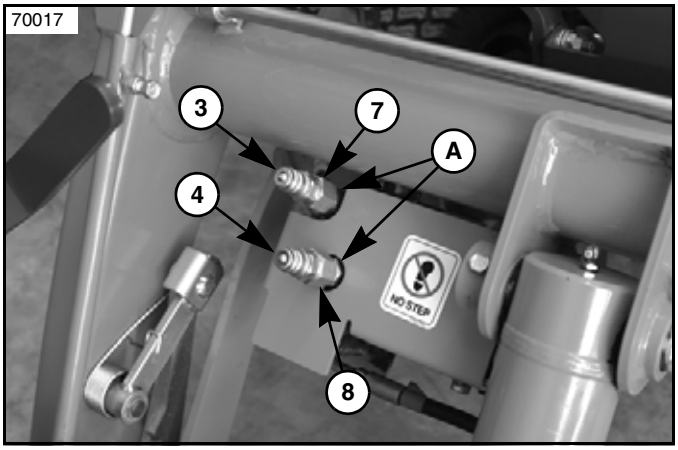


Third Function Valve Hook-up
Figure 1-2

Land Pride's Third Function Valve Block

Refer to Figure 1-1 on page 10 & Figure 1-2:

1. Clean all dirt from quick connect couplers (#1 & #2) shown in Figure 1-1 and couplers (#3 & #4) shown in Figure 1-2.
2. Connect male coupler (#1) to female coupler (#3). Connect female coupler (#2) to male coupler (#4). 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 pressure has been released.
3. Return to the tractor seat and start tractor. Operate tractor control lever to extend and retract hydraulic cylinders (#5).
4. If hydraulic cylinders operate in opposite direction expected, switch directions at the joy stick by pushing in on the opposite button.
5. Restart tractor and operate control lever to verify hydraulic cylinders (#5) are operating as expected.



Kubota's LA340S or LA344 Third Function Valve Ports Illustration Shown with non-matching Pioneer Couplers
Figure 1-3

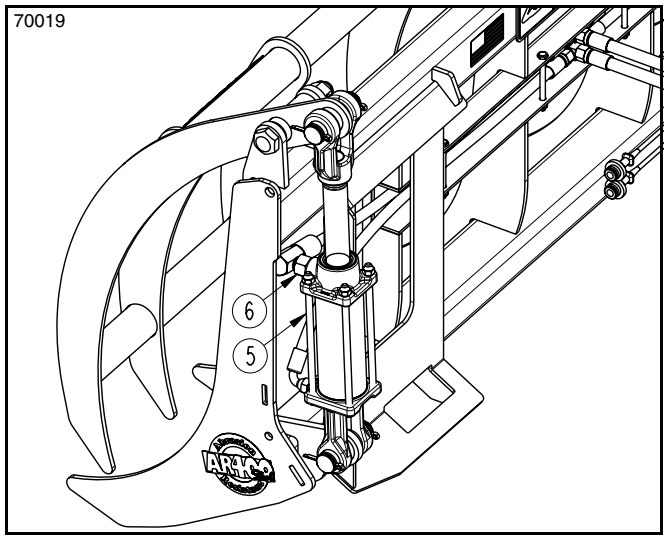
Kubota's Third Function Valve Block

Refer to Figure 1-3:

The following are instructions for a Kubota loader that is factory supplied with a Third Function Valve Block:

- Check grapple couplers (#1 & #2) in Figure 1-1 on page 10 to make sure they are compatible with couplers (#3 & #4) on your Kubota loader. If the couplers are not compatible, replace couplers on the grapple with couplers that match the couplers on your Kubota tractor loader.
- If your Kubota loader's Third Function Valve Block does not have any couplers, add flat face couplers that match the grapple's couplers to your loader's valve block as follows:

1. Remove caps from the loader's 3rd function valve ports (A).
2. Apply Teflon tape to valve ports (A) and screw adapters (#7 & #8) onto valve ports (A) until tight. (Adapter fittings are supplied by the customer.)
3. Screw one flat face female coupler (#3) (flat face couplers not shown) to adapter (#7) until tight. (Flat Face female coupler is supplied by the customer.)
4. Screw one flat face male coupler (#4) (flat face couplers not shown) to adapter (#8) until tight. (Flat face male coupler is supplied by the customer.)



Purge Hydraulic Hook-up
Figure 1-4

Purge Hydraulic System

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

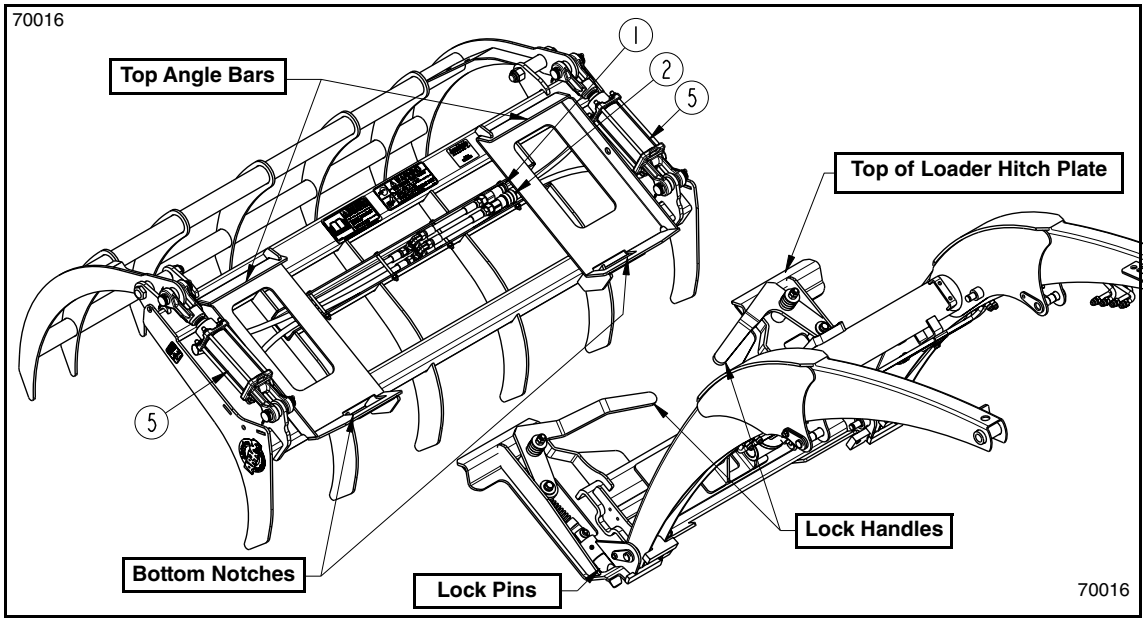
Refer to Figure 1-4:

1. With grapple raised off the ground about 12" (30 cm), cycle grapple hydraulic cylinders (#5) several times from fully extended to fully retracted.
2. If hydraulic cylinders operate unevenly after cycling them, then purge the system as follows:
   a. Shut tractor down according to **"Tractor Shutdown Procedure"** on page 9.
   b. Loosen hydraulic hose fittings (#6) at rod end of both hydraulic cylinders (#5).
   c. Return to the tractor seat and slowly retract and extend hydraulic cylinders to purge any trapped air from the system.
   d. Before dismounting, shut tractor down according to **"Tractor Shutdown Procedure"** on page 9.
   e. Once all trapped air is removed from the system, tighten fittings (#6) to hydraulic cylinders (#5).

Check Equipment Clearances

It is important to check the clearance between the 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. Make sure 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" (30 cm) off the ground.
3. If necessary, have someone stand nearby that can motion to the operator to stop if a problem develops while completing steps 4-7 below.
4. Fully extend grapple hydraulic cylinders (#5) to pivot upper jaw fully down.
5. Fully extend and retract tilt hydraulic cylinder on end of tractor loader while watching for interferences between loader and grapple. Stop movement if grapple or hoses come near the loader.
6. Shut tractor down according to **"Tractor Shutdown Procedure"** on page 9 before dismounting to make any adjustments.
7. Make adjustments as follows:
   - If grapple or lock handles interfere with Land Pride's coupler bracket (#6 in Figure 1-4 on page 12), rotate/move coupler bracket (#6) to a position free on interferences.
   - Resolve all other discovered interferences.
8. Fully retract grapple cylinders (#5) to pivot upper jaw fully up and repeat steps 5-8 above.
9. Raise loader arms fully up and repeat steps 4-8 above.
10. Lower grapple to ground and close upper grapple jaw.
11. Shut tractor down according to **"Tractor Shutdown Procedure"** on page 9.
12. Recheck tractor hydraulic fluid level before putting grapple into operation. Refer to your tractor Operator's Manual for recommended hydraulic fluid and procedure for checking hydraulic fluid level.



BX80 Series Kubota Quick Attach Hitch Hook-up
Figure 1-5

Unhook Grapple

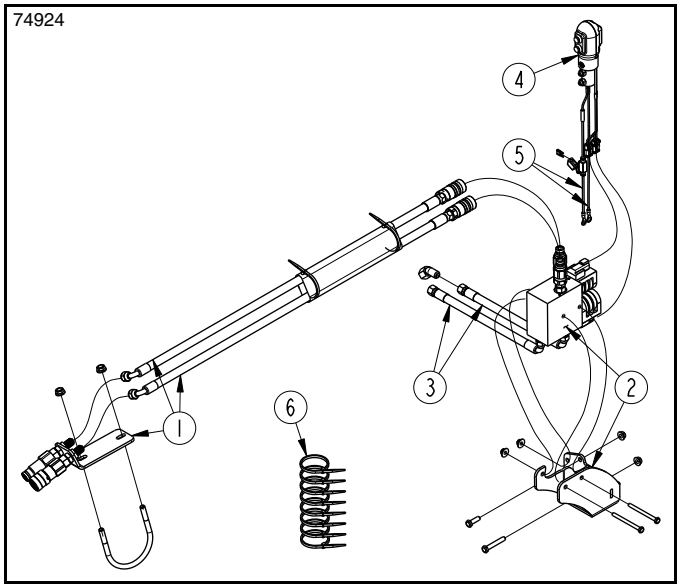
Refer to Figure 1-5:

⚠ WARNING

To avoid serious injury or death:

Store attachment with hydraulic cylinders fully retracted, upper claw fully open, and upper and lower teeth pointing down resting on the ground. The attachment can tip-over if stored in the upright position.

1. See **"Long-Term Storage"** on page 19 if parking grapple for long periods and end of season.
2. Park tractor on a flat level solid surface.
3. Fully open upper claw, rotate top of loader hitch plate forward, and lower loader arms until both upper and lower grapple teeth are resting on the ground as shown in Figure 1-5.
4. Shut tractor down according to **"Tractor Shutdown Procedure"** on page 9.
5. With grapple upper and lower teeth resting on the ground, operate hydraulic control lever back and forth to release all hydraulic pressure to the attachment.
6. Disconnect hydraulic hoses (#1 & #2) from the tractor loader and store hoses on the grapple.
7. Pull lock handles up on the 2 lever quick coupler lock handles to remove lock pins from the bottom notches in the grapple hitch plate.
8. Start tractor and slowly rotate top of loader hitch plate forward while slowly backing the tractor away from the attachment until top of loader hitch plate and grapple top angle bars have separated.
9. Continue to carefully back away from the grapple until clear of the grapple.
10. Rotate front mounted loader quick hitch vertical and raise loader arms up to a suitable traveling height.



Third Function Valve Kit #380-339A
Figure 2-1

Land Pride's Third Function Valves

For Kubota 80 Series BX Tractors

Refer to Figure 2-1:

380-339A . . . . . .3rd Function Valve Kit FF BX2680 with 1 male & 1 female flat face coupler at bulkhead (#1).

Refer to Figure 2-1:

Item	Description
1	bulkhead Assembly: Attaches to the crossbeam at the front of the loader arms.
2	Third Function Valve Assembly: Attaches to the front of the tractor platform on the left-hand side.
3	Hydraulic Hoses: Attaches to the tractor's power beyond port and return to sump port.
4	Push Button Control: Replaces loader control lever knob.
5	Power Cord: Attaches to the tractor's positive (+) and negative (-) batter posts. Included with it is a 10 amp fuse.
6	Zip Ties: Secures electrical wiring and hydraulic hoses as needed.

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 have read, fully understood, and are totally familiar with the Operator's Manual.

Perform the following inspections before using your Claw Grapple.

Operating Checklist

✔	Check	Page
	Read and follow all safety rules carefully. Refer to "Important Safety Information" and Safety Alert Symbols throughout this manual.	All
	Make sure there are no hydraulic leaks. Refer to "Avoid High Pressure Fluids Hazard".	3
	Read and follow hook-up and preparation instructions. Refer to "Section 1: Assembly & Set-Up".	9
	Read and follow all operating procedures. Refer to "Section 3: Operating Procedures".	15
	Read and follow all maintenance instructions. Refer to "Section 4: Maintenance".	19
	Check grapple initially and periodically for loose bolts and pins. Refer to "Torque Values Chart".	24

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. Make sure loader hitch plate is secured under the grapple's top angle bars, lock pins extend fully through bottom notches in the grapple hitch, and 2 lever quick coupler lock handles are locked down.
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 tractor. Make sure hoses are not pinched, kinked, twisted, or frayed and that they will not make contact with moving parts.
6. Operate hydraulic controls to verify control lever movements function properly and equipment movements are correct. Make any necessary changes to controls and hydraulic hook-up before putting attachment into service.
7. Operate grapple through its full range of movements to check for clearances. Refer to **"Check Equipment Clearances"** on page 12.
8. If needed, purge hydraulic system of trapped air by operating all hydraulic functions several times before putting unit into service. Refer to **"Purge Hydraulic System"** on page 12 in this manual and your skid steer/tractor Operator's Manual if any hydraulic function continues to operate erratic.

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 in the attachment, exceeds the attachment's load guard height, or has objects smaller than the openings in the load guard.*
- *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 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.*
- *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.*
- *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 the hydraulics is off.*
- *Keep load positioned forward enough to prevent accidental spillage onto the operator and power machine.*

⚠ WARNING

To avoid serious injury or death:

- *Keep load centered, even when stopped. This will optimize load stability and protect against load shifting.*
- *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 the inability to read, understand, and follow instructions provided in this manual.*
- *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.*
- *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.*
- *Hydraulic fluid under high pressure will penetrate the skin or eyes causing serious injury. Wear protective gloves and safety glasses or goggles when working with hydraulics. 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.*
- *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.*
- *Check hitch fit-up frequently. An improper fit-up can result in the attachment falling from the loader hitch plate.*
- *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 the upper jaw raised or getting on and off the power machine with the loader arms not fully down can cause a crushing hazard due to accidental movement of the control levers or loss of hydraulic pressure.*
- *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.*
- *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 lift loads that exceed rated lift capacity of attachment.*
- *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 as a lifting device for people or as a work platform. It is not properly designed or guarded for this use.*
- *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.*
- *Do not use this attachment to pull and/or pry fence posts, stumps, roots, rocks, or other objects out of the ground. It is not properly designed or guarded for this use.*
- *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. The operator could lose control resulting in equipment damage and/or 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 (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.*
- *Store attachment with hydraulic cylinders fully retracted, upper claw fully open, and upper and lower teeth pointing down resting on the ground. The attachment can tip-over if stored in the upright position.*
- *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.*

Transport Safety

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:

- *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 hazard 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

Pick-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 15.
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.

Travel With A Load

1. Be sure to read and understand all safety alerts under **"Transport Safety"** on page 17.
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 do 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.

Release A Load

1. Be sure to read and understand all safety alerts under **"Operating Safety"** on page 15.
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.

Rip Out Bushes

1. Be sure to read and understand all safety alerts under **"Operating Safety"** on page 15.
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.

IMPORTANT: Check for stumps, rocks, and other solid objects in the ground before breaking sod. Flag solid objects to protect against hitting them while breaking sod.

IMPORTANT: Do not make turns with lower jaw in the ground to break sod. Turning while breaking sod can damage the grapple and loader arms.

1. Be sure to read and understand all safety alerts under **"Operating Safety"** on page 15.
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. Always keep loader arms out of the ground.
4. Drive straight 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 12.

1. Be sure to read and understand all safety alerts under **"Operating Safety"** on page 15.
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 **"Pick-Up A Load"** on page 17.

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 overstress 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 21 and **"Features & Benefits"** on page 22 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 the hydraulics is off.

WARNING

To avoid serious injury or death:

- *Always shut power machine down using the "Shutdown Procedure" provided in this manual before servicing, adjusting, cleaning, or maintaining the attachment.*
- *Make sure controls are all in the neutral position or park before starting the power machine.*
- *Allow only persons to perform maintenance on this implement who have been properly trained in its safe operation.*
- *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.*
- *Check hitch fit-up frequently. An improper fit-up can result in the attachment falling from the loader hitch plate.*
- *Check hydraulic hoses and fittings frequently. Brush and other debris can damage hoses and fittings causing the load to release and fall.*
- *Make sure safety labels are in their proper location and are in good condition before operating the attached implement. Read and obey all instructions on the labels.*
- *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.*

Hydraulic System

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 with hydraulic cylinders fully retracted, upper claw fully open, and upper and lower teeth pointing down resting on the ground. The attachment can tip-over if stored in the upright position.

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 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.

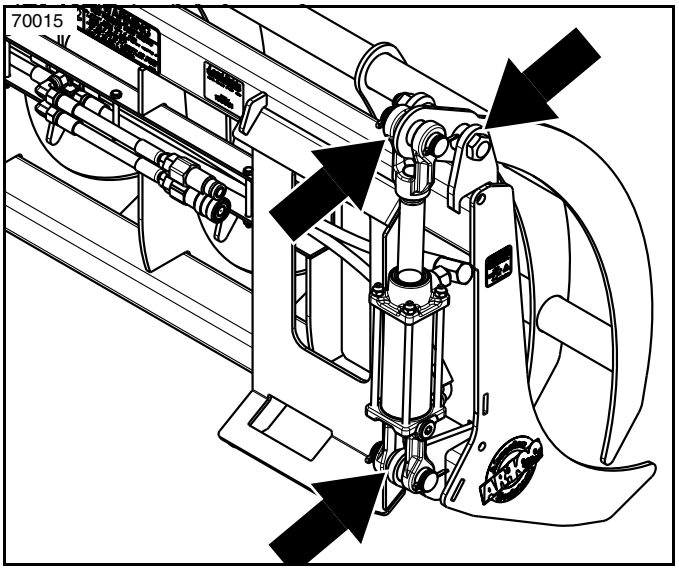
Touch-Up Paint

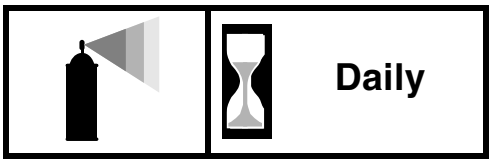
Part No.	Part Description
821-070C	Gloss black enamel spray can
821-070CTU	Gloss black enamel bottle with brush
821-070CQT	Gloss black enamel quart
821-070CGL	Gloss black enamel gallon

4. Replace all damaged or missing guards and 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.

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





Cylinder Pivot Pins & Claw Pivot Pins

6 - Pivot pins (3 per side)

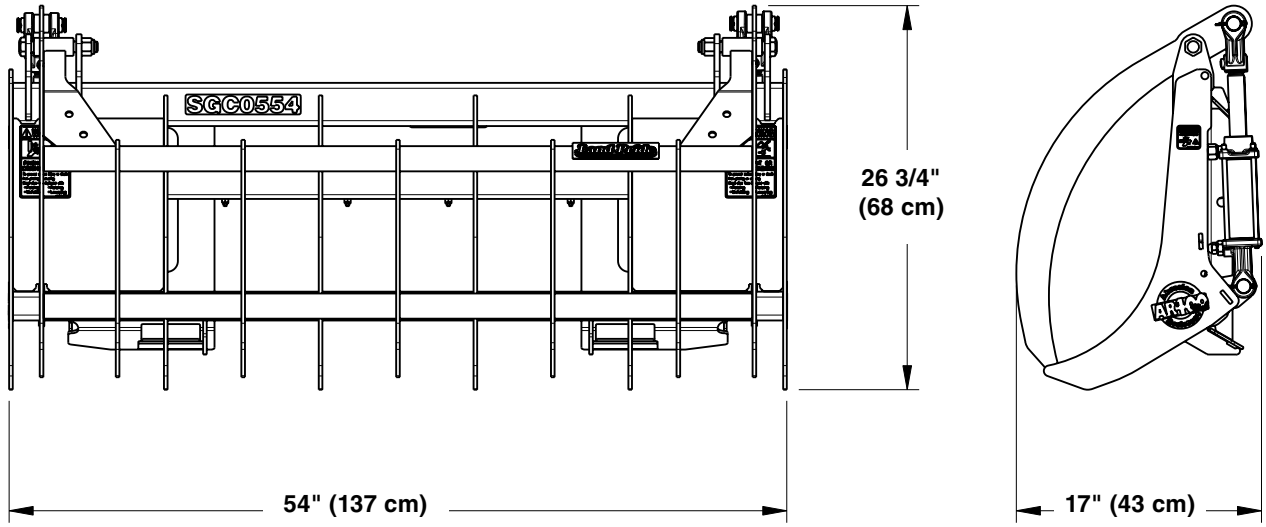
Type of Lubrication: Spray lubricant

Quantity = As required (make sure all bearing surfaces are lubricated including the cotter pins.)

SGC0554 Model

Specifications & Capacities	
Tractor requirements: Horsepower **Weight**	17-26 hp (12.7-19.4 kW) 1300-1600 lbs (590-726 kg)
Grapple weight	180 lbs (82 kg)
Hitch Type	BX loader LA340S or LA344 with 2 lever quick coupler
Overall width	54" (137cm)
Closed height	26 3/4" (68 cm)
Jaw opening	30" (30 cm)
Number of teeth	6 Lower teeth and 7 upper teeth
Bottom teeth spacing	5 spaces at 10 3/4" each (27 cm)
Bottom and top tooth thickness	1/4" (6 mm) AR400
Working length of teeth	8 3/8" (21 cm)
Hydraulic cylinder	2" x 4" x 1 1/8" Rod
Maximum hydraulic pressure rating	2500 psi (17.2 mPa)

70021



SGC0554 Model

Features	Benefits
Fits Kubota's BX loader LA340S or LA344 with 2 lever quick coupler	Easy to hook-up. A good fit for Kubota BX80 Series tractors with BX loader LA340S or LA344 with 2 lever quick coupler.
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	Four times the strength of mild steel.
High volume cage design	Can handle large volume of material.
(Optional) BX80 third function quick connect male couplers	Attaches to Kubota's Model LA340S or LA344 loader 3rd function valve ports to complete hydraulic hose hook-up. Hydraulic hook-up is made easy with hose hook-up located at the front of the loader.

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 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	38	72	53
M10 X 1.25	35	26	53	39	76	56
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

Hydraulic Cylinders: 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. Land Pride reserves the right to inspect any equipment or parts which are claimed to have been defective in material or workmanship.

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

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

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

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

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

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

Model Number _____ **Serial Number** _____

Corporate Office: P.O. Box 5060
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