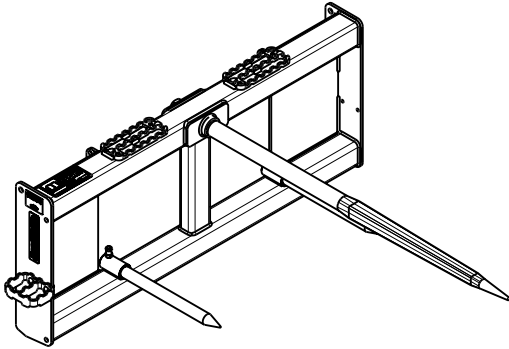
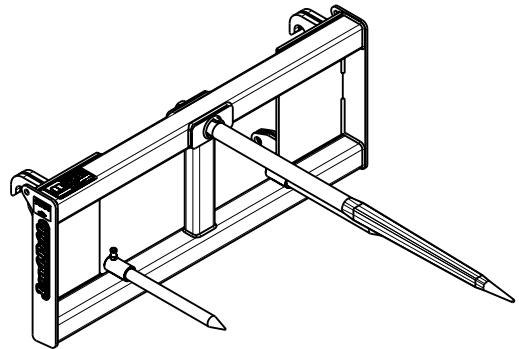


Bale Spears

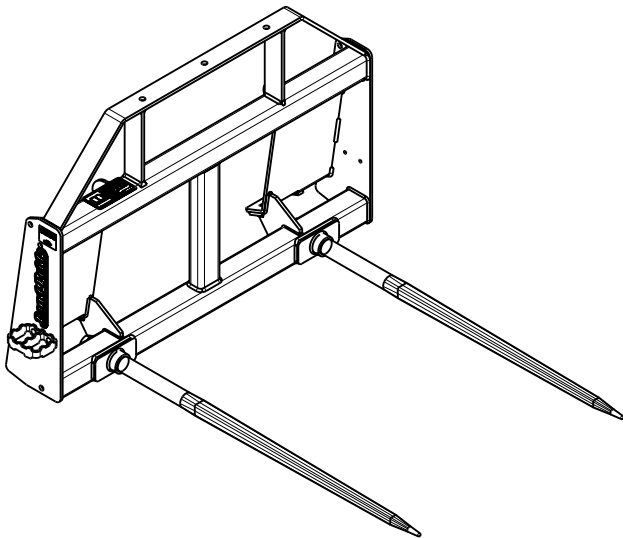
BS10, BS20, BSE10, & BSE20



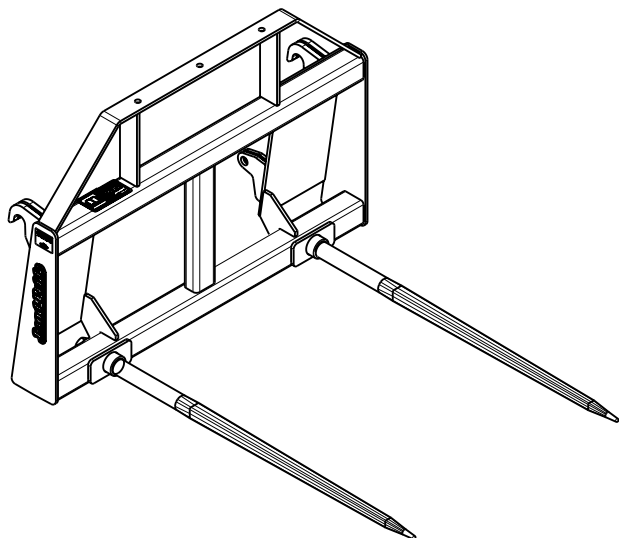
BS10
Attaches to tractor Hitch Plate



BSE10
Attaches to Euro Hitch Plate



BS20
Attaches to tractor Hitch Plate



BSE20
Attaches to Euro Hitch Plate

35016

319-062M
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:** 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.



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See previous page for Table of contents.



Parts Manual QR Locator

The QR (Quick Reference) code 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 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.
- ▲ Operator should be familiar with all functions of the tractor/skid steer 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/skid steer from the driver's seat with steering levers and hydraulic controls in neutral.
- ▲ Operate tractor/skid steer and controls from the driver's seat only.
- ▲ Never dismount from a moving tractor/skid steer or leave machine unattended with engine running.
- ▲ Do not allow anyone to stand between the attachment and tractor/skid steer 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 skid steer/track loader down if children enter the work area.
- ▲ Never carry children on the power machine 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 power machine starts to move, look down and behind to make sure the area is clear.

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

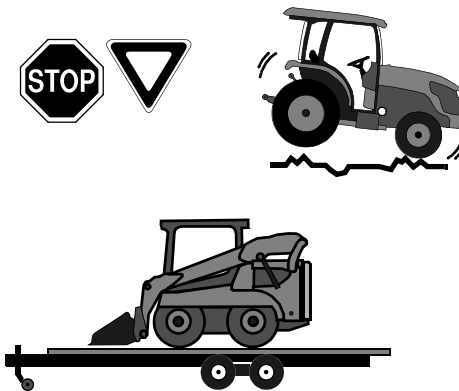
Dig Safe - Avoid Underground Utilities

- ▲ **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.



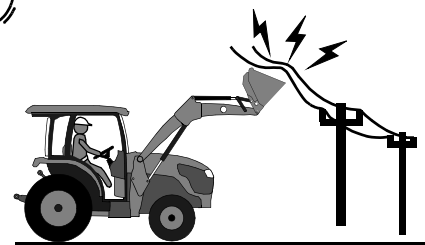
Towing Safely

- ▲ 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.
- ▲ 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

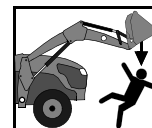
- ▲ Tire changing can be dangerous and must be performed by trained personnel using the correct tools and equipment.
- ▲ Always properly match the wheel size to the properly sized tire.
- ▲ Always maintain correct tire pressure. Do not inflate tires above recommended pressures shown in the Operator's 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.

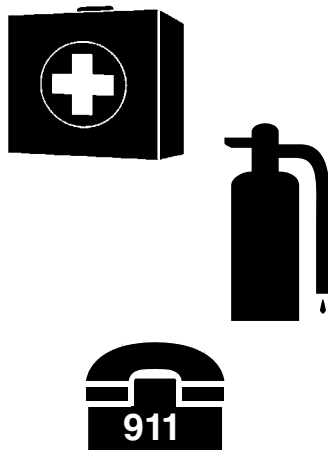
- ▲ Disconnect battery ground cable (-) before servicing or adjusting electrical systems or before welding on equipment.
- ▲ Inspect all parts. Make certain that parts are in good condition & installed properly.
- ▲ Replace parts on this attachment with genuine Land Pride parts only. Do not alter this 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.
- ▲ 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.



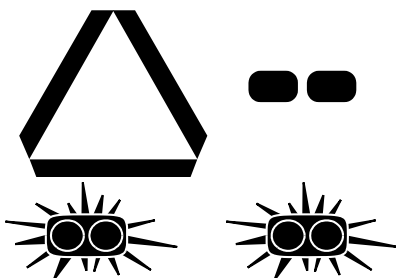
Avoid High Pressure Fluids

- ▲ 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 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, 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.



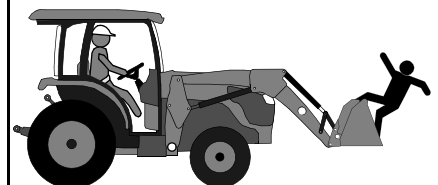
Use Seat Belt and ROPS

- ▲ Land Pride recommends the use of a CAB or roll-over-protective-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 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.

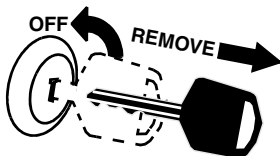
Handle Chemicals Properly

- ▲ 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.



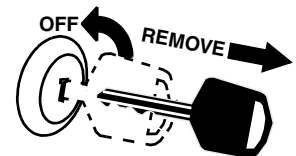
Skid Steer Shutdown And Storage

- ▲ Reduce engine speed and shut-off all power to the attachment.
- ▲ Park on solid, level ground and lower attachment until it is flat on the ground or on non-concrete support blocks.
- ▲ Turn off engine. Do not remove ignition key at this time.
- ▲ Turn ignition key to the "RUN" position. Relieve all hydraulic pressure by moving both joysticks.
- ▲ Turn ignition key to Off and remove to prevent unauthorized starting.
- ▲ Relieve all hydraulic pressures.
- ▲ If included, raise seat bar and move controls until both lock.
- ▲ 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 skid steer.



Tractor Shutdown & Storage

- ▲ Reduce engine speed and shut-off all power to the attachment.
- ▲ 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 pressures.
- ▲ 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.





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Important Safety Information

Safety Labels

Your Bale Spear comes equipped with all safety labels in place. They were designed to help you safely operate your implement. Read and follow their directions.

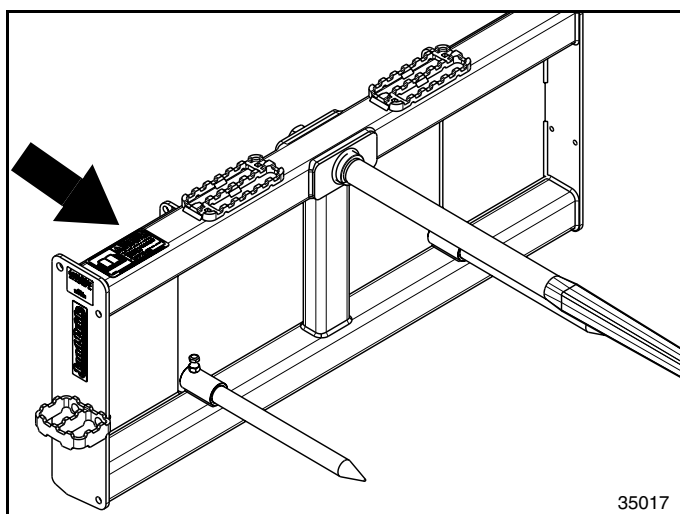
1. Keep all safety labels clean and legible.
2. Refer to this section for proper label placement. Replace all damaged or missing labels. Order new labels from your nearest Land Pride dealer. To find your nearest dealer, visit our dealer locator at www.landpride.com.
3. Some new equipment installed during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

specified by Land Pride. When ordering new components make sure the correct safety labels are included in the request.

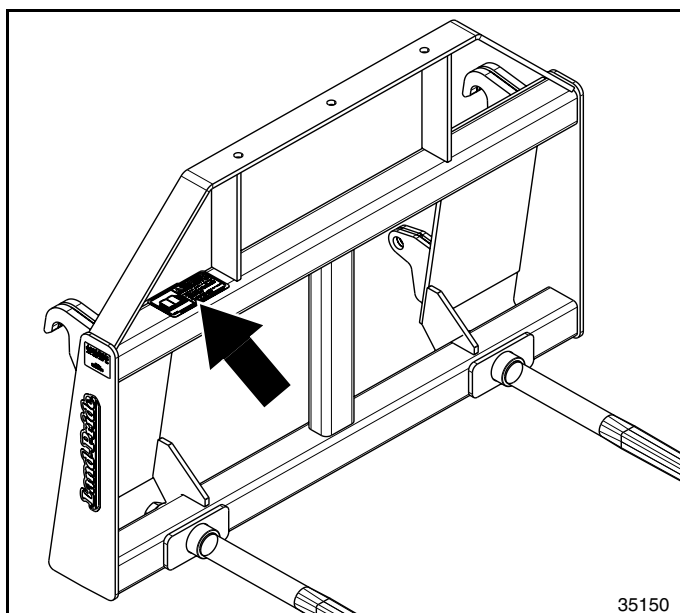
4. Refer to this section for proper label placement.

To install new labels:

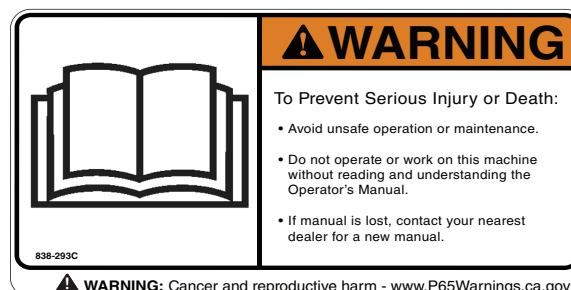
- a. Clean surface area where label is to be placed.
- b. Spray soapy water onto the cleaned area.
- c. Peel backing from label and press label firmly onto the surface.
- d. Squeeze out air bubbles with edge of a credit card or with a similar type of straight edge.



BS10 Shown



BSE20 Shown



838-293C

Warning: Read Operator's Manual

Introduction

Land Pride welcomes you to the growing family of new product owners. This Bale Spear 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 Bale Spear.

Application

The Land Pride BS10, BS20, BSE10, & BSE20 Bale Spears have uses and applications in farming and ranching. They have the capability of quickly and conveniently turning your skid steer loader or tractor loader equipped with a skid steer style mounting plate or Euro style hitch plate into a Bale Spear for lifting, transporting, and placing bales.

They are available in two different hitch styles with single or dual spears. The BS10 & BS20 models are designed to fit a Universal Quick Attach type hitch plate with a single spear on the BS10 and dual spears on the BS20. The BSE10 & BSE20 models are designed to fit Euro type hitch plate with a single spear on the BSE10 and dual spears on the BSE20. The frame for Series 10 is rated 1,800 lbs and 2,500 lbs for Series 20. Whichever model you select, you'll find that these Land Pride attachments will save you time and money and make getting that bale handling job done a whole lot easier.

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

Using This Manual

- This Operator's Manual is designed to help familiarize you 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.

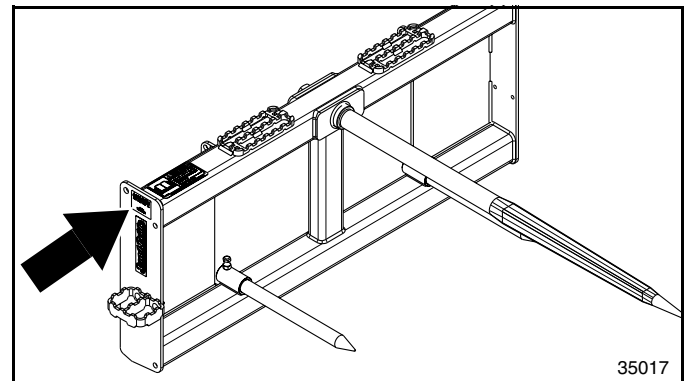
Owner Assistance

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

Serial Number

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



Serial Number Plate Location
Figure 1

Further Assistance

Your dealer wants you to be satisfied with your new Bale Spear. If for any reason you do not understand any part of this manual or are not satisfied with the service received, the following actions are suggested:

1. Discuss any problems you have with your attachment with your dealership service personnel so they can address the problem.
2. If you are still not satisfied, seek out the owner or general manager of the dealership, explain the question/problem, and request assistance.
3. For further assistance write to:

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

E-mail address
lpSERVICE@landpride.com



Installation

The BS10 & BS20 Bale Spears are designed to fit on Skid Steer style hitch plates and BSE10 and BSE20 are designed to fit on Euro style hitch plates.

The BS10 & BSE10 are equipped with a single center bale spear and two lower bale spikes to keep the bale from rotating on the spear.

The BS20 and BSE20 are equipped with two bale spears mounted at the bottom of the units.

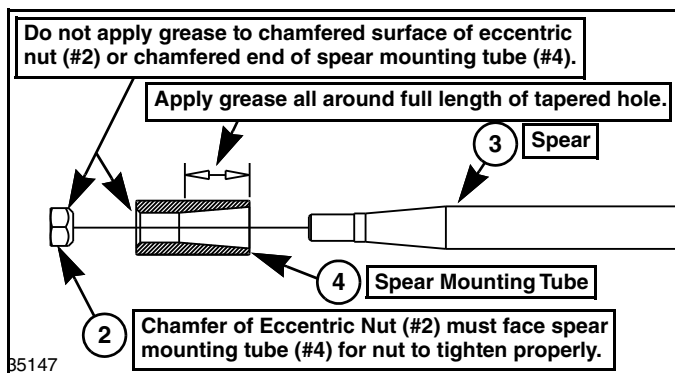
WARNING

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 16 to determine correct torque values for common bolts.



Special Spear Installation Instructions
Figure 1-1

Single Spear & Dual Spike Assembly (BS10 & BSE10 Models)

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

IMPORTANT: Do not apply grease to chamfered surfaces of eccentric hex nut (#2) and chamfered end of spear mounting tube (#7).

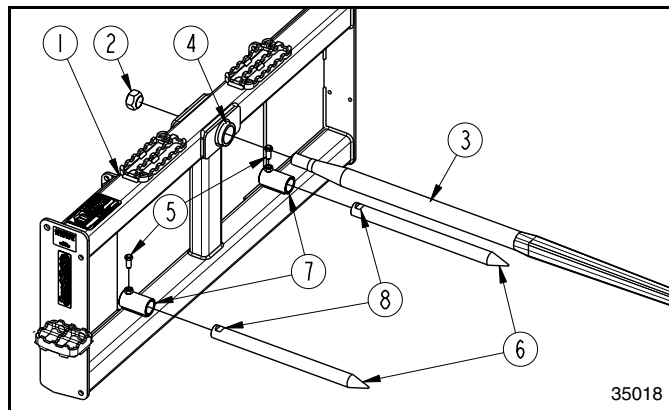
1. Apply multi-purpose grease all around and along full inside length of tapered hole in mounting tube (#4).

IMPORTANT: Install eccentric hex nut (#2) with chamfer facing spear mounting tube (#4).

Refer to Figure 1-2:

2. Insert spear (#3) into spear mounting tube (#4). Rotate spear so that a flat surface is up and secure spear with M28 x 1.5 eccentric hex nut (#2).
3. Tighten eccentric nut (#2) to the correct torque. See "Additional Torque Values" on page 16.

4. Apply multi-purpose grease all around and along the full inside length of spike mounting tubes (#7).
5. Rotate bale spikes (#3) so that the flat surfaces (#8) are facing up. Insert that end into lower mounting tubes (#7).
6. Tighten 7/16"-14 x 1" GR2 cap screws (#5) to the correct torque value.



Single Spear With Dual Spikes Installation
Figure 1-2

Dual Spear Assembly (BS20 & BSE20 Models)

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

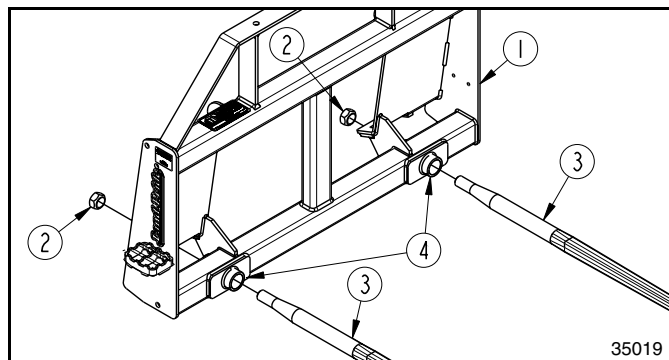
IMPORTANT: Do not apply grease to chamfered surfaces of eccentric hex nut (#2) and chamfered end of spear mounting tube (#7).

1. Apply multi-purpose grease all around and along full inside length of tapered holes (#4).

IMPORTANT: Install eccentric hex nut (#2) with chamfer facing spear mounting tube (#4).

Refer to Figure 1-3:

2. Insert spears (#3) into tapered holes (#4). Rotate spear so that a flat surface is up and secure with M30 x 2 eccentric hex nuts (#2).
3. Tighten eccentric nuts (#2) to the correct torque. See "Additional Torque Values" on page 16.



Dual Spear Installation
Figure 1-3

Skid Steer & Tractor Hook-Up

Refer to Figure 1-4:

! 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.

Hook-Up With Euro Hitch

Refer to Figure 1-4:

! WARNING

To avoid serious injury or death:

Check Euro style hitch fit-up frequently to make sure it is properly secured under the attachment's hooks and lock pins are fully extended into the locking lugs. An improper fit-up can result in the attachment coming loose and falling.

1. Lower Euro style hitch plate down as far as possible.
2. If required, manually move locking handle until locking pins are fully back and ready for hook-up.
3. Carefully drive up to the Bale Spear hooks until mounting bar and hook guides on the Euro style hitch plate are aligned under the Bale Spear hooks.
4. Raise Euro style hitch plate up until mounting bar is completely caught inside the Bale Spear hooks.
5. Continue to raise Euro style hitch plate up to allow bottom of Bale Spear to swing in until pin holes in locking lugs align with locking pins in Euro style hitch plate. If necessary, rotate top of Bale Spear hitch back to align pin holes with locking pins.
6. If pins do not auto-lock into the pin holes, then manually operate Euro style hitch plate lever to push the locking pins into the pin holes. Make sure lever is locked down to keep pins from backing out.

Hook-Up With Universal Quick Attach Hitch

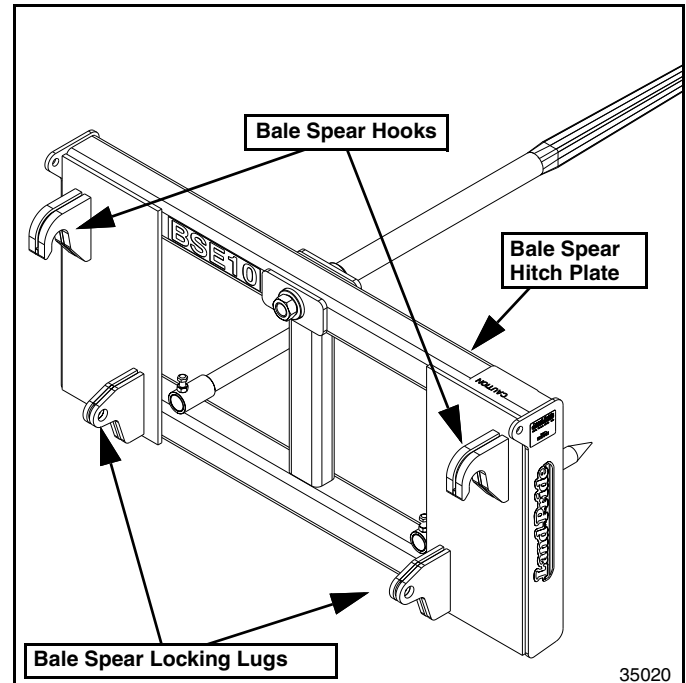
Refer to Figure 1-5:

! WARNING

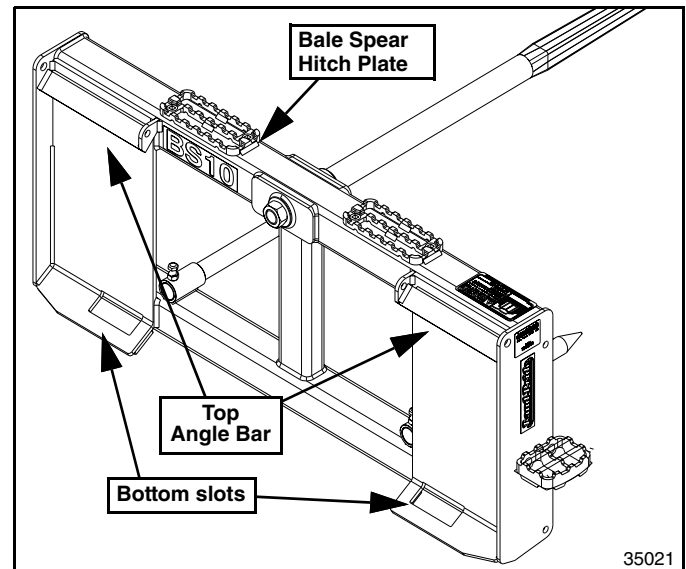
To avoid serious injury or death:

Check hitch fit-up frequently. An improper fit-up can cause the attachment to come loose from the loader hitch plate and fall.

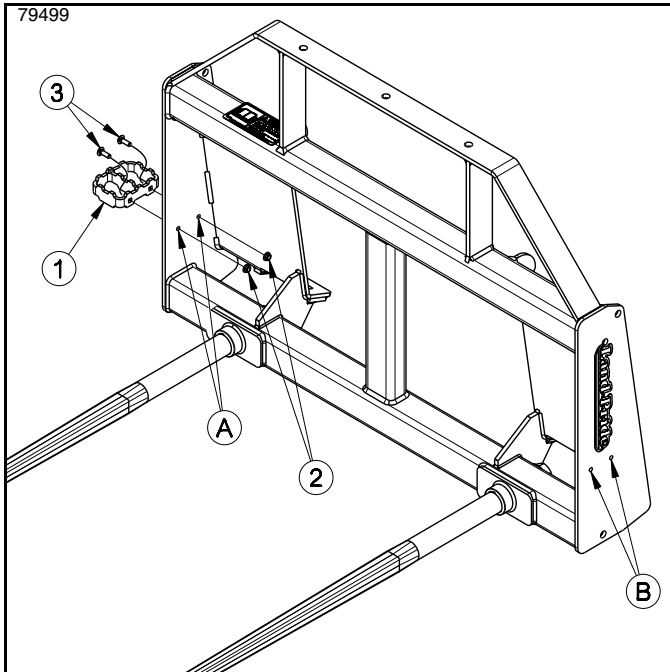
1. If needed, pull locking handles up on Skid Steer style hitch plate until locking pins are raised up and ready for hook-up.
2. Carefully drive up to the Bale Spear making sure the hitch plate on the skid steer arms is parallel with the Bale Spear hitch plate.
3. Rotate top of skid steer tilt arms slightly forward.
4. Place top of skid steer hitch plate under the top angled bars on the Bale Spear.
5. Slowly lift skid steer hitch up until top angle bar and Skid Steer hitch plate have come together.
6. Rotate top of Skid Steer style hitch plate back to align bottom slots in the Bale Spear with locking pins in the skid steer hitch plate.
7. Push lock handles on Skid Steer style hitch plate down so that the pins go through the bottom slots of the Bale Spear hitch plate and handles lock down.



Bale Spear With Euro Style Hitch
Figure 1-4



Bale Spear With Universal Quick Attach Style Hitch
Figure 1-5



Step Relocation
Figure 1-6

Step Relocation

Refer to Figure 1-6:

This Bale Spear is shipped from the factory with step (#1) mounted to the right-hand side of the frame. If preferred, the step can be relocated to the left hand side of the frame.

1. Remove flange locknuts (#2), carriage bolts (#3), and step (#1) from mounting holes (A).
2. Attach step (#1) to mounting holes (B) with existing carriage bolts (#3) and flange locknuts (#2). Ensure the grip points of the step are facing up.
3. Tighten flange locknuts (#2) to the correct torque.



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Section 2: Operating Procedures

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 Bale Spear. 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 Bale Spears.

Operating Checklist

✓	Check	Page
	Read and follow all safety rules carefully. Refer to "Important Safety Information" and Safety Alert Symbols throughout this manual.	1
	Read and follow hook-up instructions. Refer to "Section 1: Assembly & Set-Up."	6
	Read and follow all operating procedures. Refer to "Section 2: Operating Procedures."	8
	Read and follow all maintenance instructions. Refer to "Section 4: Maintenance & Lubrication."	12
	Make sure there are no hydraulic leaks. Refer to "Avoid High Pressure Fluids Hazard."	3
	Check Bale Spear initially and periodically for loose spears, hitch plate, bolts, and pins. Refer to "Torque Values Chart for Common Bolt Sizes."	16

Operating Safety

DANGER

To avoid serious injury or death:

- Only operate equipment from the driver's seat.
- 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 attachment, loader arms, and/or load away from overhead electrical power lines. Place an orange warning sign under overhead lines indicating type of danger above.
- Do not drive up to anyone or an animal in front of a fixed object such as a wall or bench. Never assume that the power machine will stop in time.
- 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.
- Spear straight into bale until bale is fully against the spear frame. Never lift bale without bale being fully against the spear frame.
- Before lifting the bale, rotate spear points up 5 to 10 degrees above horizontal to keep the bale against the hitch frame. Keep spears tilted slightly up throughout the lift range to keep the bale from sliding forward and falling.
- Use the correct spear and spike configuration for the job at hand. Lift only bales the Bale Spear is designed to lift and never lift more bales than what the Bale Spear is designed to lift.
- Travel with spear points at a safe height and angle that will not impale a person or livestock.
- Stack bales on even ground. Bales can topple when stacked on uneven ground.
- When stationary, always put spear point on the ground to protect people and livestock from walking/running into a spear or spike.
- Do not use attachment as a personnel lifting device. A person can fall off, be crushed by overhead objects, or electrocuted.
- 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:

- Use a tractor of adequate size. A tractor that is too small can tip over when loader arms are raised due to high center of gravity.
- 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 hydraulic systems. Use a piece of cardboard or wood, rather than hands, when searching for leaks. If an accident occurs, seek immediate emergency medical care or gangrene may result. DO NOT DELAY.
- Allow only persons to operate this attachment who have fully read and comprehended this manual, and who have been properly trained in the safe operation of this attachment. Serious injury or death can result from failure to read, understand, and follow instructions provided in this manual.
- 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.
- Always store attachment in a secure position so that it will not fall over.
- Park Bale Spear with spears pointing down or with spears against a building or other suitable stable object.
- Always know the weight of the bale being picked up. Maximum lift capacity should never exceed rated lift capacity of the spears (See specifications for rated capacity). Also, lift capacity should never exceed 83% of the tractor or skid steer rated lift capacity for an attached front loader. Always use the smaller number of the two lift capacities to determine maximum lift capacity.

Section 2: Operating Procedures

- Check Bale Spear frequently to make sure it is properly attached and locking pins are properly seated.
- Only use Bale Spear to lift and transport bales.
- Do not use Bale Spear as a Fork Lift to lift palletized loads.
- 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 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.
- Always lower spear to ground level before dismounting from tractor/skid steer. Follow manufacturer's recommendations when dismounting and parking the machine.
- Do not alter implement or replace parts on the implement with other brands. Other brands may not fit properly or meet OEM (Original Equipment Manufacturer) specifications. They can weaken the integrity and impair the safety, function, performance, and life of the implement. Replace parts only with genuine OEM parts.
- Always transport with bale raised to a height that does not hinder the line of sight going forward. When possible, keep the bale low to the ground to help maintain stability of the tractor/skid steer.
- Reduce ground speed when turning and leave enough clearance to avoid making contact with obstacles such as buildings, trees, fences, etc.
- 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.
- Always travel straight up and straight down inclines. Never make turns on the incline.
- Always keep spear point(s) tilted up 5 - 10 degrees from horizontal regardless of angle of incline.
- 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.
- When traveling on public roads, use hazard 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.
- 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.

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:

- 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.
- When traveling empty, transport with spear points at a safe height and angle that will not impale a person or livestock.
- When transporting with a bale, transport with bale fully against the spear frame and with spear points up 5-10 degrees from horizontal. Never transport with bale more than a few inches away from the frame.
- When stopped, always lower spear point to the ground so that no person or livestock could walk/run into the spear and become impaled. If spear will not rest on the ground, point spear down to protect people and livestock.
- Always keep bale centered horizontally on the spear(s). This will optimize stability while transporting.



Bale Spear Operation



To avoid serious injury or death:

- Do not scoop bales. Spears must be fully inserted into the bales to secure the bales and keep them from falling.
- Lift only bales the Bale Spear is designed to lift and never lift more bales than what the Bale Spear is designed to lift.

IMPORTANT: Make sure the lift height does not exceed the loader lift capabilities.

IMPORTANT: Make sure the bale weight does not exceed the smaller of two lift capacities below:

- Rated lift capacity of the Bale Spears.
- 83% of the tractor/skid steer rated lift capacity. This accounts for increased loader stresses caused by the added extension of the Bale Spear and ensures that the front tires are rated properly.

Picking up a Bale

1. Stop completely before raising or lowering the spear(s) to the correct height. Insert spear(s) into the bale as follows:

BS10 & BSE10

- a. Locate spear point at center of bale or a small distance vertically above center.
- b. Check to make sure the two lower spikes will also insert into the bale. If lower spikes are positioned outside of the bale, adjust spear height up until spikes will insert into the bale.
- c. With spear level, drive spear into bale until spear and lower spikes are fully inserted and bale is against the hitch frame.

BS20 & BSE20

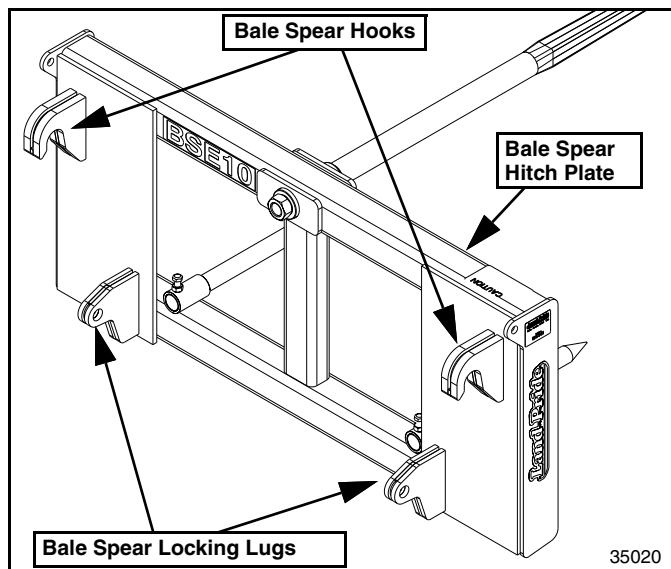
- a. While driving up to the bale, center the Bale Spear horizontally on the bale and spear points about 1/3 of the way below center of bale.
 - b. With spears level, drive spears into bale until spears are fully inserted and bale is against the hitch frame.
2. Lift bale up a short distance and tilt spear points up 5 - 10 degrees from horizontal. Check to make sure bale is properly secured before traveling.

Traveling with a Bale

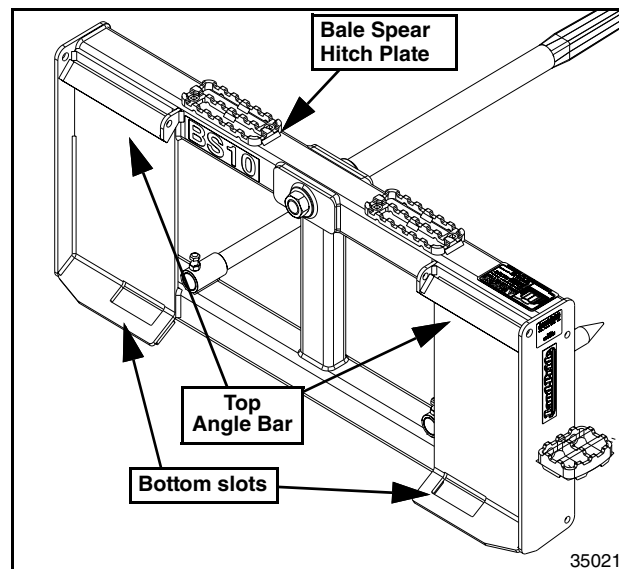
1. Check for overhead obstructions.
2. Keep spear point(s) tilted up 5 - 10 degrees from horizontal throughout the lifting range of the loader.
3. While stopped, raise bale to an appropriate transport height where you are able to see without the bale hindering line of sight going forward. When possible, keep bale close to the ground while traveling.
4. Continually scan all sides for pedestrians, animals, and other traffic.
5. If bale blocks your view, travel in reverse.
6. Always drive at a safe speed and slow down when going around corners. Avoid sudden braking.
7. Leave enough clearance when turning to avoid making contact with obstacles such as buildings, trees, or fences.
8. When traveling over a ramp or incline, keep bale on the "uphill" side of tractor/skid steer.
9. When possible, travel straight up and straight down grades, ramps, and inclines. Avoid making turns on grades, ramps, and inclines.
10. Raise or lower bale only when stopped, never while traveling.
11. Avoid transporting loads on public roadways. When transporting on public roadways, transport in such a way that faster moving vehicles may pass you safely.
12. Plan your route to avoid heavy traffic.
13. Be sure to slow down when traveling over rough or hilly terrain.

Placing a Bale

1. Stop in front of desired location.
2. Slowly raise or lower bale to required height.
3. Move forward slowly with bale until bale is square and straight above the location where it is to be placed.
4. Tilting bale forward to level and lower bale down to its final resting spot.
5. Before backing, check all sides for pedestrians or other traffic.
6. Once bale has settled, back up slowly while keeping the spear(s) level.
7. Make sure spear(s) clear the bale before turning or changing height of spear(s).
8. Lower spear down to transport height before moving again.



Bale Spear With Euro Style Hitch
Figure 2-1



Bale Spear With Universal Quick Attach Style Hitch
Figure 2-2

Unhook Bale Spear

1. Park tractor/skid steer with unit on a flat level solid surface and lower Bale Spear onto the surface.
2. Place transmission in park, set park brake, shut power equipment off, and remove switch key.

Euro Style Hitch

Refer to Figure 2-1:

- a. If required, manually move locking handle until locking pins release. If Euro style hitch does not have a locking handle, locking pins should auto-release during Step c below.
- b. Return to tractor/skid steer and tilt front of spear point(s) down 5 to 10 degrees to the horizontal and begin to lower the Bale Spear down until spear points or bale spikes are touching the ground.
- c. Continue to slowly lower the Bale Spear until the top hooks have separated from the Euro style hitch.
- d. Carefully back tractor or other machine slowly away from the Bale Spear making sure it does not interfere with the Bale Spear hitch plate.

Universal Quick Attach Style Hitch

Refer to Figure 2-2:

- a. Pull lock handle(s) to remove pins from bottom slots in hitch plate.
- b. Return to tractor/skid steer and tilt front of spear point(s) down 5 to 10 degrees to the horizontal and begin to lower the Bale Spear down until spear points or bale spikes are touching the ground.
- c. Continue to slowly lower the Bale Spear until the top angle bar and skid steer hitch have separated.
- d. Carefully back skid steer or other machine slowly away from the Bale Spear making sure it does not interfere with the Bale Spear hitch plate.

General Operating Instructions

By now you should have familiarized yourself with the Operator's Manual for your Bale Spear.

If you haven't, please do so now. Proceed by getting onto the seat of your tractor or skid steer and starting it up. It isn't going to take you long to learn how to use your new Land Pride Bale Spear, but we do recommend that you take a little time to practice securely attaching and detaching your Bale Spear to and from your mounting plate. It is also important to practice lifting, lowering, maneuvering, and placing a bale on a level site 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 operating procedures that are spelled out in this Operator's Manual.

As you quickly become more skilled and adept in using your Bale Spear, 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 Bale Spear, tractor, or skid steer. Don't lift your bale too high creating an unstable bale and unsafe situation. Don't tilt your bale too far forward, setting up a situation that could cause your bale to fall off the spear(s). Don't drive too fast for your ground conditions. Don't work on or around slippery or sloped areas that could cause you to lose control of the tractor or skid steer. Don't allow pedestrians, pets, or livestock to approach the danger zone of your working area. Don't leave your tractor or loader with the Bale Spear raised off of the ground.

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 Bale Spear.

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



Maintenance

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:

- 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.
- Make sure controls are all in the neutral position or park before starting the power machine.
- Do not alter implement or replace parts on the implement with other brands. Other brands may not fit properly or meet OEM (Original Equipment Manufacturer) specifications. They can weaken the integrity and impair the safety, function, performance, and life of the implement. Replace parts only with genuine OEM parts.

Inspect Bale Spear

Proper servicing and adjustments are key to the long life of any implement. With careful inspection and routine maintenance, you can avoid costly downtime and repair. Daily clean and inspect Bale Spear for the following:

1. Check Bale Spear hitch plate to make sure it is still properly attached to the tractor or skid steer hitch.
2. Clean Bale Spear of dirt, grease, and trash to assist visual inspection.
3. Always remove any material that has become entangled in the spears and/or spikes before continuing to use it.
4. After using your Bale Spear to lift a few bales, check spears and spikes to make sure eccentric nuts and bolts are tight.
5. Check to make sure the spears are not damaged, broken, or worn excessively. Repair or replace as needed.
6. Check to make sure the frame is not cracked or broken. Repair or replace as needed.
7. Replace any worn, damaged, or illegible safety labels by obtaining new labels from your Land Pride dealer.

Tractor Maintenance

Maintain tractor's hydraulic system. Keep hydraulic reservoir free of dirt and other contaminations. Replace hydraulic oil and hydraulic filter element at the manufacturer's prescribed intervals.

Check tractor hydraulic 3-point lift system. The 3-point should operate smoothly up and down and hold its position when set. Refer to the tractor Operator's Manual or see your dealer if the 3-point lift system need adjusting or repaired.

Long-Term Storage

Clean, inspect, service, and make necessary repairs to the attachment when storing it for long periods and at the end of the season. This will help 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 Bale Spear. Scrape off compacted dirt and then wash its surface thoroughly with a garden hose.
2. Inspect Bale Spear 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.

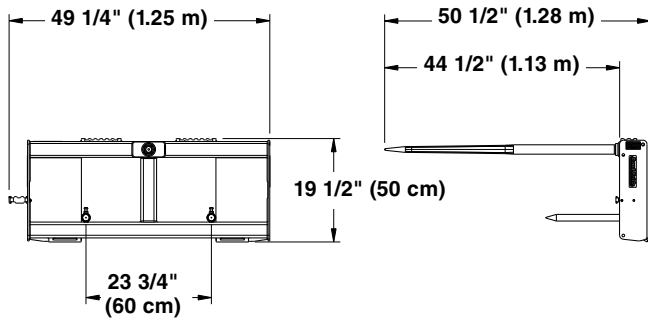
Land Pride Touch-up Paint

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

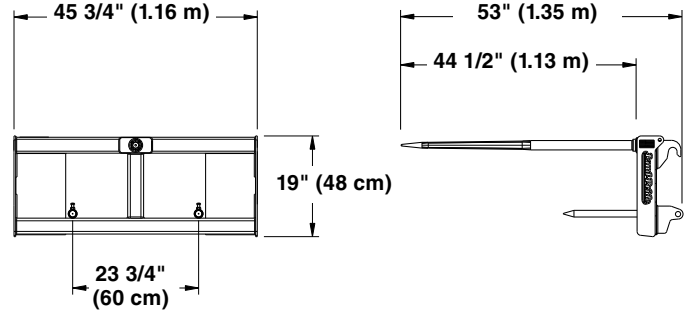
4. Replace all damaged or missing decals.
5. Store Bale Spear on a level surface in a clean, dry place. Inside storage will reduce maintenance and make for a longer life.
6. Follow all unhooking instructions on page 10 when disconnecting tractor or skid steer from the Bale Spear.
7. Do not allow children to play on or around the stored Bale Spear.

BS & BSE Series

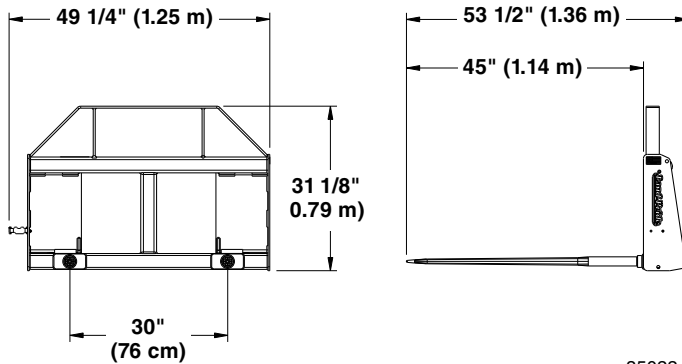
Specifications & Capacities				
Model No.	BS10	BS20	BSE10	BSE20
Weight of Unit	156 lbs (70.8 kg)	196 lbs (88.9 kg)	168 lbs (76.2 kg)	208 lbs (94.3 kg)
Number of Spears	1	2	1	2
Frame Lift Capacity 24" (61 cm) from face of frame	1,800 lbs (817 kg)	2,500 lbs (1134 kg)	1,800 lbs (817 kg)	2,500 lbs (1134 kg)
Spear Probe Length Face of Frame to End of Point	44 1/2" (1.13 m)	45" (1.14 m)	44 1/2" (1.13 m)	45" (1.14 m)
Spear Diameter	1 3/4" (4.4 cm)			
Hitch Style	Universal Quick Attach Style Hitch		Euro Style Hitch	



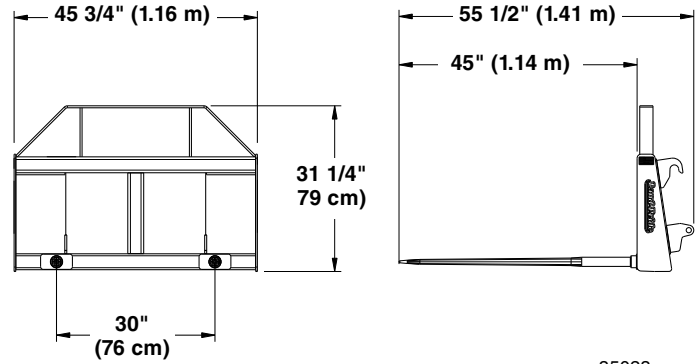
BS10



BSE10



BS20



BSE20



BS & BSE Series

Features	Benefits
Designed to fit Universal Quick Attach style hitch or Euro style hitches	The BS Series can be attached to machines fitted with a Skid Steer adapter mounting plate and the BSE Series can be attached to machines fitted with a Euro style adapter mounting plate.
Bales can be pushed with single and double spear units	Good for pushing bales onto side dump trailers.
Spear units punch holes in end of bale not in the circumference	Very little moisture can enter the bale where spears punch. Grappling type bale lifts punch holes in the circumference allowing moisture to penetrate the bale and accelerates bale deterioration.
Single spear units also include two short bale spikes	Bale spikes keep bale from rotating on the single spear.
Single spear units takes less force to push the spear into the bale	Bales of all sizes won't shift positions as easily while pushing the spear into the bale. Single spears are ideal for lifting smaller lighter bales.
Double spear units can lift heavier bales	Two spears spaced apart miss the soft inner core of a bale and probe the harder outer area allowing the spears to lift a heavier bale. Also, two spears do a better job of stabilizing the load.
Double spear units probe lower on the bale	They can lift the bale higher.



Troubleshooting Chart

Problem	Cause	Solution
Cannot lift bale	Insufficient power to lift bale.	Switch to a tractor or skid steer that is rated for more lift capacity.
Bale Spear moves on hitch plate	Locking pins are not engaged.	Engage locking pins.
	Bale Spear Hitch is not properly attached to loader hitch.	Reattach Bale Spear Hitch to loader. Always make certain hitch is properly attached before lifting a bale.
Spear(s) are bending or breaking	Spear(s) are not fully inserted into the bale and bale is not resting against the hitch frame.	Reposition bale so that the spear(s) are fully inserted and bale is resting against the hitch frame.
	Traveling too fast causing the bale to bounce on the spear(s).	Reduce speed to a safe non-bouncing speed.
	Misuse of Bale Spear(s) such as prying objects out of the ground.	Use Bale Spear(s) to carry bales only.
Bale is falling off end of spear(s)	Spear(s) are not fully inserted into the bale with bale against the hitch frame.	Reposition bale so that the spear(s) are fully inserted and bale is resting against the hitch frame.
	Traveling with spear(s) level or tilted down at the front.	Operate hydraulics to tilt spear(s) up 5 - 10 degrees from the horizontal.
	Traveling too fast.	Reduce speed to a safe non-bouncing speed.
	Spear(s) are bent down.	Reduce speed to a safe non-bouncing speed. Rotate bent spear(s) 180 degrees so that they point up or replace the spear(s) if they are bent excessively.
Skid Steer or Tractor wants to tip over on its side	Bale is being carried too high.	Keep bale low to the ground to help maintain stability of tractor or skid steer.
	Traveling sideways to an incline.	Travel straight up and down inclines.
Skid Steer or Tractor wants to tip forward.	The tractor or skid steer does not have enough ballast on the rear.	Add ballast weight to the rear of the tractor or skid steer.
	Traveling forward while going down an incline with a slope in excess of 10 percent.	Back down steep inclines.
Bale does not carry level	One of two spears is bent.	Replace bent spear.



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		
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	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. 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)																	
Additional Torque Values																	
M28 Eccentric Hex Nut						516 ft-lbs. / 700 Nm											
M30 Eccentric Hex Nut						516 ft-lbs. / 700 Nm											



Warranty

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

Overall Unit: One year Parts and Labor

This Warranty is limited to the repair or replacement of any defective part by Land Pride and the installation by the dealer of any such replacement part, and does not cover common wear items. 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 _____



Corporate Office: P.O. Box 5060
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