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.

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<tr>
<th>Model Number</th>
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**Accessories**

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**Dealer Contact Information**

Name: __________________________
Street: __________________________
City/State: ________________________
Telephone: ________________________
Email: __________________________

---

**California Proposition 65**

⚠️ WARNING: Cancer and reproductive harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)
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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 on the cover and to the left will take you to the Parts Manual for this equipment. Download the appropriate App on your smart phone, open the App, point your phone on the QR code and take a picture.

**Dealer QR Locator**

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

BG2400 & BGE2400 Bale Grabber 319-173M

12/7/18
Listed below are common practices that may or may not be applicable to the products described in this manual.

**Safety at All Times**

Careful operation is your best assurance against an accident.

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

⚠️ Thoroughly read and understand the “Safety Label” section. Read all instructions noted on them.

⚠️ Do not operate the equipment while under the influence of drugs or alcohol as they impair the ability to safely and properly operate the equipment.

⚠️ 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 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 tractor/skid steer and attachment while hooking-up.

⚠️ Keep hands, feet, and clothing away from power-driven parts.

⚠️ While transporting and operating equipment, watch out for objects overhead and along side such as fences, trees, buildings, wires, etc.

⚠️ Store attachment in an area where children normally do not play. When needed, secure attachment against falling with support blocks.

**Look for the Safety Alert Symbol**

The SAFETY ALERT SYMBOL indicates there is a potential hazard to personal safety involved and extra safety precaution must be taken. When you see this symbol, be alert and carefully read the message that follows it. In addition to design and configuration of equipment, hazard control, and accident prevention are dependent upon the awareness, concern, prudence, and proper training of personnel involved in the operation, transport, maintenance, and storage of equipment.

⚠️ 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 Signal Words**

A signal word designates a degree or level of hazard seriousness. The signal words are:

⚠️ **DANGER**

Indicates a hazardous situation that, if not avoided, will result in death or serious injury.

**Tractor Shutdown & Storage**

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

⚠️ Park on solid, level ground and lower attachment to ground or onto support blocks.

⚠️ Put tractor in park or set park brake, turn off engine, and remove switch key to prevent unauthorized starting.

⚠️ Relieve all hydraulic 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.

⚠️ Detach and store implement in an area where children normally do not play. Secure implement using blocks and supports.

**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 support blocks.

⚠️ Turn off engine, and remove switch key 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.

⚠️ Detach and store attachment in an area where children normally do not play. Secure attachment by using blocks and supports.
Listed below are common practices that may or may not be applicable to the products described in this manual.

### 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. 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.**

### Transport Safely

- **Comply with federal, state, and local laws.**
- **Use towing vehicle and trailer of adequate size and capacity. Secure equipment towed on a trailer with tie downs and chains.**
- **Sudden braking can cause a towed trailer to swerve and upset. Reduce speed if towed trailer is not equipped with brakes.**
- **Avoid contact with any overhead utility lines or electrically charged conductors.**
- **Always drive with load on end of loader arms low to the ground.**
- **Always drive straight up and down steep inclines with heavy end of skid steer or tractor with loader attachment on the “uphill” side.**
- **Engage park brake when stopped on an incline.**
- **Maximum transport speed for an attached equipment is 20 mph. DO NOT EXCEED. Never travel at a speed which does not allow adequate control of steering and stopping. Some rough terrains require a slower speed.**
- **As a guideline, use the following maximum speed weight ratios for attached equipment:**
  - **20 mph** when weight of attached equipment is less than or equal to the weight of machine towing the equipment.
  - **10 mph** when weight of attached equipment exceeds weight of machine towing equipment but not more than double the weight.
- **IMPORTANT:** Do not tow a load that is more than double the weight of the vehicle towing the load.

### Practice Safe Maintenance

- **Understand procedure before doing work. Refer to the Operator’s Manual for additional information.**
- **Work on a level surface in a clean dry area that is well- lit.**
- **Lower attachment to the ground and follow all shutdown procedures before leaving the operator’s seat to perform maintenance.**
- **Do not work under any hydraulic supported equipment. It can settle, suddenly leak down, or be lowered accidentally. If it is necessary to work under the equipment, securely support it with stands or suitable blocking beforehand.**
- **Use properly grounded electrical outlets and tools.**
- **Use correct tools and equipment for the job that are in good condition.**
- **Allow equipment to cool before working on it.**
- **Connect battery ground cable (-) before servicing or adjusting electrical systems or before welding on equipment.**
- **Inspect all parts. Make certain parts are in good condition & installed properly.**
- **Replace parts on this attachment with genuine Land Pride parts only. Do not alter this attachment in a way which will adversely affect its performance.**
- **Do not grease or oil attachment while it is in operation.**
- **Remove buildup of grease, oil, or debris.**
- **Always make sure any material and waste products from the repair and maintenance of the attachment are properly collected and disposed.**
- **Remove all tools and unused parts before operation.**

### Tire Safety

- **Tire changing can be dangerous and must be performed by trained personnel using the correct tools and equipment.**
- **Always maintain correct tire pressure. Do not inflate tires above recommended pressures shown in the Operator’s Manual.**
- **When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand to one side and NOT in front of or over the tire assembly. Use a safety cage if available.**
- **Securely support the 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.**
- **Inspect all parts. Make certain parts are in good condition & installed properly.**
- **Replace parts on this attachment with genuine Land Pride parts only. Do not alter this attachment in a way which will adversely affect its performance.**
- **Do not grease or oil attachment while it is in operation.**
- **Remove buildup of grease, oil, or debris.**
- **Always make sure any material and waste products from the repair and maintenance of the attachment are properly collected and disposed.**
- **Remove all tools and unused parts before operation.**
- **Unlock battery ground cable (-) before servicing or adjusting electrical systems or before welding on equipment.**
- **Inspect all parts. Make certain parts are in good condition & installed properly.**
- **Replace parts on this attachment with genuine Land Pride parts only. Do not alter this attachment in a way which will adversely affect its performance.**
- **Do not grease or oil attachment while it is in operation.**
- **Remove buildup of grease, oil, or debris.**
- **Always make sure any material and waste products from the repair and maintenance of the attachment are properly collected and disposed.**
- **Remove all tools and unused parts before operation.**
Listed below are common practices that may or may not be applicable to the products described in this manual.

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

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

### Avoid High Pressure Fluids Hazard
- Escaping fluid under pressure can penetrate the skin causing serious injury.
- Relieve all residual pressure before disconnecting hydraulic lines or performing work on the hydraulic system.
- Make sure all hydraulic fluid connections are tight and all hydraulic hoses and lines are in good condition before applying pressure to the system.
- DO NOT DELAY. If an accident occurs, see a doctor familiar with this type of injury immediately. Any fluid injected into the skin or eyes must be treated within a few hours or gangrene may result.

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

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

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

### 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 power machine or attachment to lift or transport riders.
Safety Labels

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

1. Keep all safety labels clean and legible.
2. Refer to this section for proper label placement. Replace all damaged or missing labels. Order new labels from your nearest Land Pride dealer. To find your nearest dealer, visit our dealer locator at www.landpride.com.
3. Some new equipment installed during repair requires safety labels to be affixed to the replaced component as specified by Land Pride. When ordering new components make sure the correct safety labels are included in the request.
4. Refer to this section for proper label placement. To install new labels:
   a. Clean surface area where label is to be placed.
   b. Spray soapy water onto the cleaned area.
   c. Peel backing from label and press label firmly onto the surface.
   d. Squeeze out air bubbles with edge of a credit card or with a similar type of straight edge.

**838-293C**

Warning: To prevent serious injury or death

**838-094C**

Warning: High pressure fluid hazard
Warning: Pinch point or crushing hazard

818-045C

Warning: Pinch point or crushing hazard
2-Places
Introduction

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

Application

The Land Pride BG2400 and BGE2400 Bale Grabbers make loading and unloading round bales up to 72" in diameter easy. They are designed with hydraulically operated grab arms to efficiently and quickly pickup, move, and stack round bales on their side or end. The grab arms are constructed of heavy tubular steel that wrap around a large area of the bale for grabbing the bale without damaging the plastic wrap. The BG2400 attaches to your skid steer, track loader, or tractor front mounted loader equipped with a universal quick attach hitch. The BGE2400 attaches to a tractor front loader equipped with a Euro hitch. An optional check valve is available to ensure a constant grip on the bale. A variety of hydraulic hoses and coupler options are available to complete the hydraulic hook-up to your power machine.

The BG2400 & BGE2400 have uses and applications in farming, ranching, horse ranches, dairies, feedlots, and nurseries. You will find that these Land Pride Bale Grabbers will save you time and money by making that bale handling job a whole lot easier.

See “Specifications & Capacities” on page 23 and “Features & Benefits” on page 25 for additional information and performance enhancing options.

Using This Manual

• This Operator’s Manual is designed to help familiarize the operator with safety, assembly, operation, adjustments, troubleshooting, and maintenance. Read this manual and follow the recommendations to help ensure safe and efficient operation.

• The information contained within this manual was current at the time of printing. Some parts may change slightly to assure you of the best performance.

• To order a new Operator’s or Parts Manual, contact your authorized dealer. Manuals can also be downloaded, free-of-charge, from our website at www.landpride.com

Terminology

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

Definitions

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

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

Owner Assistance

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

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

Serial Number

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

Further Assistance

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

1. Discuss any problems you have with your attachment with your dealership service personnel so they can address the problem.

2. If you are still not satisfied, seek out the owner or general manager of the dealership, explain the problem, and request assistance.

3. For further assistance write to:

Land Pride Service Department
1525 East North Street
P.O. Box 5060
Salina, Ks. 67402-5060
E-mail address lpservicedept@landpride.com
Skid Steer/Tractor Requirements
This Bale Grabber is designed to attach to skid steers, track loaders, or tractor front-end loaders. The following requirements below must be met:

- Hitch type
  - BG2400. Skid steer quick attach (meets ISO 24410)
  - BGE2400 . . . . . . . . . . . . . . . . . . . . . Euro
- Hydraulic pressure rating (maximum) . . . . . 3,500 psi
- Hydraulic Outlets
  - Skid steer/track loader . . . . . . . .1 male & 1 female
  - Tractor or tractor loader . . 2 male pioneer couplers
- Tractor Weight . . . . . . . . . . . . See warnings below

⚠️ DANGER
To avoid serious injury or death:
Consult your power machine’s manual for operating capacity, lifting capacity, and operating specifications. Exceeding rated capacities and specifications can result in a roll-over or other serious hazard.

⚠️ 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.
- Lightweight power machines may need weight added to the rear to maintain steering control and prevent forward tipping or side tipping caused by a heavy front load. Consult your power machine Operator’s Manual to determine proper weight requirements and maximum weight limitations.

Torque Requirements
Refer to “Torque Values Chart” on page 26 to determine correct torque values when tightening hardware.

Dealer Preparations
This unit is shipped fully assembled from the factory including purchased options except for two 90 degree elbows (#4A & #4B) shown in Figure 1-4 on page 9. The elbows are shipped loose as an alternate hose hook-up for the “Skid Steer/Track Loader Hose Set-up” option. For all available options, Refer to “Section 1: Optional Equipment & Set-up” on page 8.

Make sure the intended power machine conforms to the requirements listed above under “Skid Steer/Tractor Requirements”.

Go through the “Dealer Inspection Checklist” below to verify the unit has arrived in good condition.

---

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

1. Reduce engine speed and disengage power take-off if engaged.
2. Park tractor and implement on level, solid ground.
3. Lower implement to ground or onto non-concrete support blocks.
4. Put tractor in park or set park brake, turn off engine, and remove switch key to prevent unauthorized starting.
5. Relieve all hydraulic pressure to auxiliary hydraulic lines.
6. Wait for all components to come to a complete stop before leaving the operator’s seat.
7. Use steps, grab-handles and anti-slip surfaces when stepping on and off the tractor.

Skid Steer/Tract Loader Shutdown
The following are basic skid steer shutdown procedures. Follow these procedures and any additional shutdown procedures provided in your skid steer Operator’s Manual before leaving the operator’s seat.

1. Reduce engine speed and shut-off all power to the attachment.
2. Park on solid, level ground and lower attachment until it is flat on the ground or on support blocks.
3. Turn off engine, and remove switch key to prevent unauthorized starting.
4. Relieve all hydraulic pressure to auxiliary hydraulic lines.
5. If included, raise seat bar and move controls until both lock.
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 skid steer or attachment.
Cylinder Set-up Without Check Valve

Refer to Figure 1-1

1. Attach 90° bulkhead elbows (#8A & #8B) to the underside of plate (#7). Face open end of elbow (#8A) right and open end of elbow (#8B) left as shown. Tighten bulkhead nuts on the elbows.

2. Attach 24” long hydraulic hoses (#5 & #6) to bulkhead elbows (#8A & #8B). Tighten hoses to the bulkhead elbows.

3. Attach 3/4” end of 90° elbows (#4) to hydraulic cylinder (#3) with 9/16 MJIC end facing each other. Tighten elbows (#4) to the cylinder (#3) as shown.


Cylinder Set-up With Check Valve

Refer to Figure 1-2:

Check valve (#7) protects against oil seepage and/or loss of hydraulic pressure. Either situation can cause the Bale Grabber to drop the bale without warning.

1. Attach 90° bulkhead elbows (#9A & #9B) to the underside of plate (#15). Face open end of elbows (#9A & #9B) right as shown. Tighten bulkhead nuts on the elbows.

2. Attach tee (#10) to the front side of check valve (#7) and tighten as shown.

3. There are two 24” long hydraulic hoses (#13 & #14). Attach hydraulic hoses (#13 & #14) to tee (#10) and tighten.

4. Attach straight adapter (#11) to the right side of check valve (#7) and tighten.

5. Attach 30” long hydraulic hose (#12) to adapter (#11) and tighten.

6. Attach elbow (#4) to the backside of check valve (#7) and tighten as shown.

7. Attach 20.5” long hydraulic hose (#5) to check valve elbow (#4) as shown and tighten.

8. Attach check valve (#7) to the underside of plate (#15) with two 5/16”-18 x 2” GR5 bolts (#6) and hex flange top locknuts (#8). Tighten locknuts to the correct torque.

9. Attach hose (#5) to elbow (#9A) and tighten.

10. Attach hose (#13) to elbow (#9B) and tighten.

11. Attach 3/4” end of 90° elbows (#4) to hydraulic cylinder (#3) with 9/16 MJIC end facing each other. Tighten elbows (#4) to the cylinder (#3) as shown.


NOTE: The backside of check valve (#7) is the side shown with mounting holes for bolts (#6) closest to that side.
Hydraulic Cylinder Installation

Refer to Figure 1-3

1. Attach hydraulic cylinder (#3) to mounting lugs on the Bale Grabber with clevis pins (#2).
2. Secure clevis pins (#2) with cotter pins (#1). Bend both legs of cotter pins to keep cotter pins from falling out.
3. Attach hydraulic hoses to elbows (#4) on cylinder (#3) as follows:
   - Hydraulic Cylinder Without Check Valve
     Refer to Figure 1-1 on page 8:
     a. Attach hydraulic hoses (#5 & #6) to elbows (#4) on cylinder (#3).
     b. Tighten hoses (#5 & #6) to elbows (#4).
   - Hydraulic Cylinder With Check Valve
     Refer to Figure 1-2 on page 8:
     a. Attach hydraulic hoses (#12 & #14) to elbows (#4) on cylinder (#3).
     b. Tighten hoses (#12 & #14) to elbows (#4).

Skid Steer/Track Loader Hose Set-up

Refer to Figure 1-4:

Use this arrangement when attaching hydraulic hoses (#3A & #3B) to a skid steer or track loader.

Kubota skid steers and track loaders should be equipped with a Hose Stay Kit with this set-up. See Figure 2-4 on page 14.

1. Attach elbows (#2A & #2B) to bulkhead elbows (#1A & #1B). Tighten elbows with opened ends facing left as shown.
2. Attach 82" long hydraulic hoses (#3A & #3B) to elbows (#2A & #2B) until tight.
3. Thread hoses (#3A & #3B) through hose support loops (#8 & #9).
4. If connecting to vertical couplers on the end of the loader arms, skip to step 5. If connecting to horizontal couplers on the end of the loader arms, continue with steps below:
   a. Attach straight adapters (#6A & #6B) to hoses (#3A & #3B) and tighten.
   b. Attach male coupler (#5A) to adapter (#6A) and tighten.
   c. Attach female coupler (#5B) to adapter (#6B) and tighten.
5. If connecting to vertical couplers on the end of the loader arms continue with steps below:
   a. Attach straight adapters (#6A & #6B) to hoses (#3A & #3B) and tighten.
   b. Attach male coupler (#5A) to adapter (#6A) and tighten.
   c. Attach female coupler (#5B) to adapter (#6B) and tighten.
### 5' Third Function Hose Kit

*Refer to Figure 1-5:*

Use this arrangement when attaching hydraulic hoses (#3) to a tractor front loader with a universal quick attach hitch or Euro hitch. The tractor front loader quick attach hitch must have two male poppet style couplers located at the front of the loader.

1. Attach elbows (#2) to bulkhead elbows (#1) and tighten.
2. Attach 5' long hydraulic hoses (#3) to elbows (#2) and tighten.
3. Make sure dust plugs (#5) are on the end of hydraulic hoses (#3) as shown. If not, install dust plugs on end of hoses (#3).
4. Attach female poppet quick couplers (#4) to 5' long hydraulic hoses (#3) and tighten.
5. Curl hoses up and store on the mainframe of the Bale Grabber.

### 24' Tractor Hose Kit

*Refer to Figure 1-6:*

Use this arrangement when attaching hydraulic hoses (#3) to a tractor front loader with a universal quick attach hitch or Euro hitch. The tractor must have two male poppet style couplers located at the back of the tractor.

1. Attach elbows (#2) to bulkhead elbows (#1) and tighten.
2. Attach straight adapters (#3) to elbows (#2) and tighten.
3. Attach 24' long hydraulic hoses (#4) to adapters (#3) and tighten.
4. Attach MJIC end (the end without the O-ring) of straight adapters (#5) to hydraulic hoses (#4) and tighten.
5. Make sure dust plugs (#7) are on the end of hydraulic hoses (#4) as shown. If not, install dust plugs on end of hoses (#4).
6. Attach male poppet quick couplers (#6) to MORB end (O-ring end) of straight adapters (#5) and tighten.
7. Curl hoses up and store on the mainframe of the Bale Grabber.
Operator’s Responsibilities
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 Grabber. Therefore, it is absolutely essential that no one operates the Bale Grabber unless they are age 16 or older and have read, fully understood, and are totally familiar with the Operator’s Manual. Make sure the operator has paid particular attention to:

- **Important Safety Information**, page 1
- **Section 1: Optional Equipment & Set-up**, page 8
- **Section 2: Operating**, page 11
- **Section 3: Maintenance & Lubrication**, page 21

Perform the following inspections before using your Bale Grabber.

### Operating Checklist

<table>
<thead>
<tr>
<th>Check</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Read and follow all safety rules carefully.</td>
<td>1</td>
</tr>
<tr>
<td>Refer to “Important Safety Information”.</td>
<td></td>
</tr>
<tr>
<td>Make sure there are no hydraulic leaks. Refer to “Avoid High Pressure Fluids Hazard”.</td>
<td>3</td>
</tr>
<tr>
<td>Read and follow all operating instructions. Refer to “Section 2: Operating”.</td>
<td>11</td>
</tr>
<tr>
<td>Read and follow all maintenance instructions. See “Section 3: Maintenance &amp; Lubrication”.</td>
<td>21</td>
</tr>
<tr>
<td>Check attachment initially and periodically for loose hardware. See “Torque Values Chart”.</td>
<td>26</td>
</tr>
</tbody>
</table>

### Safety Information

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

**WARNING**

To avoid serious injury or death:

- Allow only persons to operate this attachment who have fully read and comprehended this manual, who are properly trained to operate the attachment safely, and who are age 16 or older. Serious injury or death can result from the 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 control of the equipment, be pinched by moving components, become entangled in rotating components, be struck by objects, be thrown or fall from the equipment, etc.
- Hydraulic fluid under high pressure can penetrate the skin and/or eyes causing a serious injury. Wear protective gloves and safety glasses or goggles when working with hydraulic systems. Use a piece of cardboard or wood rather than hands when searching for leaks. A doctor familiar with this type of injury must treat the injury within a few hours or gangrene may result. DO NOT DELAY.
- A crushing hazard exists around the power machine and Bale Grabber. Do not allow anyone to stand near the power machine or attachment with power machine in gear or while operating the power machine and/or Bale Grabber.
- 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.
- Always be alert when operating the loader. Watch the front, sides, and back for people, animals, and obstructions. Watch for overhead clearances when raising loader arms and while traveling.
- To maintain stability, always transport bale by grabbing it as low as possible and lifting the bale up just high enough to see either over or under the bale while transporting.
- Transporting loads across inclines, over ramps, on bumpy, soft, or slippery surfaces reduces machine stability and allowable load height. Keep watch for sudden changes in the terrain such as a hole or drop off that can cause a rollover. Follow all transport instructions in your power machine Operator’s Manual.
- Always transport over ramps and inclines with the heavy end of the power machine on the “uphill” side. This may require one to drive up and back down inclines.
- Never use power machine or loader to stop a rolling bale.
- Stop the machine on solid, level ground before raising the bale. To maintain stability, raise the bale only to the height necessary to place the bale.
- Perform scheduled maintenance. Check for loose hardware, missing parts, broken parts, structural cracks, and excessive wear. Make repairs before putting the attachment back into service. Serious breakdowns can result in injury or death.
- Do not alter attachment or replace parts on the attachment with other brands. Other brands may not fit properly or meet OEM specifications. They can weaken the integrity and impair the safety, function, performance, and life of the attachment. Replace parts only with genuine OEM parts.
- Lightweight power machines may need weight added to the rear to maintain steering control and prevent forward tipping or side tipping caused by a heavy front load. Consult your power machine Operator’s Manual to determine proper weight requirements and maximum weight limitations.
- 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.
Check hitch fit-up frequently. An improper fit-up can cause the attachment to come loose and fall towards the operator and/or bystanders.

Do not use 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 attachment to lift the front or back of the power machine off the ground. Doing so can damage the attachment, power machine, and/or cause serious injury or death.

Do not use attachment for pulling objects out of the ground, for prying other objects, or for pushing and towing other equipment.

**Hook-up Quick Attach Hitch**

**Refer to Figure 2-1:**

**WARNING**

To avoid serious injury or death:

- Lightweight power machines may need weight added to the rear to maintain steering control and prevent forward tipping or side tipping caused by a heavy front load. Consult your power machine Operator’s Manual to determine proper weight requirements and maximum weight limitations.

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

**DANGER**

To avoid serious injury or death:

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

The BG2400 Bale Grabber is designed for attaching to skid steers, track loaders, and tractor loaders equipped with a universal quick attach hitch that meets SAE.

1. Check for and remove any debris in the front loader and Bale Grabber hitch point areas before hooking-up to the attachment.

2. Drive slowly up to the attachment's hitch plate (#5) while making sure the loader's quick attach hitch is parallel with the attachment's top angle bars (#4).

3. Rotate top of quick attach hitch slightly forward.

4. Place top of loader’s quick attach hitch under the attachment’s top angled bars (#5) and slowly raise the quick attach hitch up until its top edge is seated under the attachment's top angle bars.

5. Rotate top of loader’s quick attach hitch back until the attachment’s hitch plate (#5) makes full contact with the face of the loader’s quick attach hitch plate.

6. Push lock handles on the loader’s quick attach hitch down. Make sure lock pins go through the bottom slots (#6) in the attachment's hitch plate and lock handles are locked in position.

Section 2: Operating

Table of Contents

Hook-up Euro Hitch
Refer to Figure 2-2:

**DANGER**
To avoid serious injury or death:
A crushing hazard exists while hooking-up and unhooking with a Quick Hitch. Do not allow anyone to stand between implement and power machine while approaching or backing away from the implement. Do not operate lift and/or tilt controls while someone is near the power machine and/or implement.

**WARNING**
To avoid serious injury or death:
- Lightweight power machines may need weight added to the rear to maintain steering control and prevent forward tipping or side tipping caused by a heavy front load. Consult your power machine Operator’s Manual to determine proper weight requirements and maximum weight limitations.
- 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.

This Bale Grabber is designed for attaching to tractor loaders equipped with a Euro hitch plate.

1. Lower the loader’s Euro hitch down as far as possible.
2. If required, manually pull lock handle on the front loader Euro hitch until lock pins are fully back and ready for hook-up.
3. Carefully drive up to the attachment’s upper hitch hooks (#2) until mounting bar on the Euro hitch is aligned and positioned under the hooks. It may be necessary to rotate the top of the Euro hitch forward.
4. Raise Euro hitch up until mounting bar is completely caught under the upper hitch hooks (#2).
5. Rotate top of Euro hitch back to allow the attachment’s lower hitch lugs (#4) to swing-in against the Euro hitch. If necessary, raise Euro hitch up to complete the swing-in alignment.
6. Shut tractor down if Euro hitch pins do not auto-lock into the lower hitch lugs (#4), see “Tractor Shutdown” on page 7.
7. Dismount tractor and manually operate the loader’s Euro hitch lever to push lock pins into the lower hitch lugs (#4).
8. Verify that the lever is locked into position to keep lock pins from backing out of pin holes (#4).
Hook-up Hydraulics
Three hydraulic hose options are available for the Bale Grabber. One option has hoses for skid steers or track loaders. The other two options are for tractors. One option fits the front of the loader if equipped with a 3rd function valve. The last option is for connecting to the tractor rear remotes.

**WARNING**
To avoid serious injury or death:
- Shut power machine down and release all hydraulic pressure to the equipment before connecting or disconnecting hydraulic hoses to or from the power machine.
- Hydraulic fluid under high pressure can penetrate the skin and/or eyes causing a serious injury. Wear protective gloves and safety glasses or goggles when working with hydraulic systems. Use a piece of cardboard or wood rather than hands when searching for leaks. A doctor familiar with this type of injury must treat the injury within a few hours or gangrene may result. DO NOT DELAY.

### Hose Hook-up to Skid Steer/Track Loaders
Refer to Figure 2-3:

**WARNING**
To avoid serious injury or death:
Lock auxiliary hydraulics of your power unit in the “OFF” position. Locking auxiliary hydraulics “ON” can result in serious injury or death.

**NOTE:** Elbows (#2A & #2B) are shipped assembled to hydraulic hoses (#1A & #1B). Shipped loose are two straight adapters (#4A & #4B) that can be switched with elbows (#2A & #2B) to provide an alternate hose arrangement.

### Hose Hook-up to Tractors
Refer to Figure 2-5 on page 15:

**IMPORTANT:** Hydraulic hoses (#1) are available in two optional lengths. The 5’ long hoses attach to the front of the loader 3rd function valve and the 24’ long hoses attach to the rear tractor remotes. Refer to page 10 for more details.

**IMPORTANT:** Make sure coupler fittings on the hydraulic hoses and loader/tractor are clean before connecting them together.
1. Route hydraulic hoses (#1) through the most convenient path to access the two male couplers at the front of the loader or at the back of the tractor.

2. Clean all couplers of dirt and connect couplers (#2) to the couplers at the front of the loader or to the couplers at the back of the tractor.

3. Make sure quick connect couplers are fully engaged. If they are not, check the following:
   a. Make sure couplers are same size and type.
   b. Make sure hydraulic pressure has been released.

4. Extend and retract hydraulic cylinder with tractor controls. Switch hoses on the tractor duplex outlet if the hydraulic cylinders do not operate as intended.

5. Secure hydraulic hoses and fittings as needed with zip ties to protect them from being pinched, kinked, and/or snagged. Customer to furnish zip ties.


**Equipment Clearances**

It is important to check clearance before putting the Bale Grabber into operation. Make sure hydraulic hoses are long enough and will not become pinched or entangled in the equipment. Also, make sure the Bale Grabber does not make contact with the power machine frame and tires by carefully going through its full range of motion.

1. Visually inspect hydraulic hoses for possible pinch points and shortness. Make hose adjustments before putting equipment into service.

2. If necessary, have someone stand nearby that can motion for the operator to stop if a problem develops while completing steps 3-7 below.

3. Start power machine and raise the attachment slightly off the ground.

4. Fully extend hydraulic cylinder on the attachment to close grab arms.

5. Raise loader arms high enough to tilt the hitch plate fully down without making contact with the ground.

6. Fully extend and retract tilt cylinders while watching for interferences between the power machine and Bale Grabber. Make sure hydraulic hoses are long enough and do not become pinched or stretched through the full range of tilt motion.

7. Retract hydraulic cylinder on the attachment to fully open grab arms and repeat step 6 above.

8. Close grab arms and lower Bale Grabber to the ground.

**Purge Hydraulic System**

**WARNING**

To avoid serious injury or death:

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

Refer to Figure 2-6:

1. Raise Bale Grabber off the ground about 12", cycle the attachment's hydraulic cylinders several times from fully extended to fully retracted.

2. If cylinder operates unevenly after cycling it several times, then purge the system as follows:
   a. Full extend the hydraulic cylinder.
   b. Follow correct procedure to shut the power machine down before dismounting. Refer to “Tractor Shutdown” or “Skid Steer/Tract Loader Shutdown” on page 7.
   c. Loosen hose (#6) at the rod end of hydraulic cylinder (#3).
   d. Start power machine and slowly activate the lever to retract cylinder (#3) until only oil seeps out of the loose hose connection.
   e. When completed, use correct procedure to shut the power machine down before dismounting.
   f. Tighten hose fitting (#6) at the rod end of cylinder (#3).
   g. Start power machine and fully retract cylinder (#3).
h. Shut power unit down using correct shutdown procedure provided on page 7.

i. Loosen hose fitting (#5) at the base end of cylinder (#3).

j. Start power machine and slowly activate the lever to extend cylinder (#3) until only oil seeps out of the loose elbow connection.

k. When completed, shut power unit down using correct shutdown procedure provided on page 7.

l. Tighten hose fitting (#5) at the base end of cylinder (#3).

**Unhook Quick Attach Hitch**

*Refer to Figure 2-7:*

**DANGER**

*To avoid serious injury or death:*  
A crushing hazard exists while hooking-up and unhooking with a Quick Hitch. Do not allow anyone to stand between implement and power machine while approaching or backing away from the implement. Do not operate lift and/or tilt controls while someone is near the power machine and/or implement.

1. See “Long-Term Storage” on page 21 if parking Bale Grabber for long periods.

2. Follow correct procedure to shut the power machine down before dismounting. Refer to “Tractor Shutdown” or “Skid Steer/Tract Loader Shutdown” on page 7.

3. With attachment resting on the ground, operate hydraulic control levers to release all hydraulic system pressure to loader arm lift cylinders, hitch tilt cylinder, and grab arm cylinder (#7).

4. Disconnect hydraulic hose couplers and store on the attachment to keep them out of the dirt.

**NOTE:** The Bale Grabber can be equipped with optional hoses and fittings (#1 & #2) or optional hoses and fittings (#3).

Optional hydraulic hoses and fittings (#1 & #2) are used only with skid steer and track loader hook-ups.

Optional hydraulic hoses and fittings (#3) are used only with tractor front loader hook-ups.

5. Disconnect hydraulic hoses from power machine and store hoses on the attachment as follows:

- Skid Steer/Track Loader: Disconnect hydraulic hose couplings (#1 & #2).
- Tractor Front Loader: Disconnect hydraulic hose couplings (#3).

6. Pull front loader lock handles up to remove pins from bottom slots (#6) in attachment hitch plate (#5).

7. Start power machine and raise attachment up approximately 10°.

8. Tilt front of attachment down 5 to 10 degrees below horizontal and lower attachment until the grab arm tips are touching the ground.

9. Slowly lower attachment until top angle bars (#4) and top of quick attach hitch have separated.

10. Slowly back power machine away while making sure the loader arms and quick attach hitch do not interfere with attachment and hydraulic hoses.
Unhook Euro Hitch
Refer to Figure 2-8:

⚠️ DANGER
To avoid serious injury or death:
A crushing hazard exists while hooking-up and unhooking with a Quick Hitch. Do not allow anyone to stand between implement and power machine while approaching or backing away from the implement. Do not operate lift and/or tilt controls while someone is near the power machine and/or implement.

1. See “Long-Term Storage” on page 21 if parking Bale Grabber for long periods.
2. Follow correct procedure to shut tractor down before dismounting. See “Tractor Shutdown” on page 7.
3. With attachment resting on the ground, operate hydraulic control levers back and forth to release all hydraulic system pressure to loader arm lift cylinders, hitch tilt cylinder, and grab arm cylinder (#5).
4. Disconnect hydraulic hose couplers (#1) and store on the attachment to keep them out of the dirt.
5. If Euro hitch does not have a lock handle, lock pins should auto-release during step 8. If provided, manually move lock handle on the loader’s Euro hitch until lock pins pull out of lug pin holes (#4).
6. Return to tractor and raise attachment up 10°.
7. Tilt front of attachment down 5 to 10 degrees below horizontal and lower attachment until grab arm tips are touching the ground.
8. Slowly lower attachment until upper hitch hooks (#2) have separated from the loader Euro hitch.
9. Slowly back power machine away while making sure the loader arms and Euro hitch do not interfere with attachment and hydraulic hoses.
Pick-up Round Bales

**DANGER**

To avoid serious injury or death:

Consult your power machine’s manual for operating capacity, lifting capacity, and operating specifications. Exceeding rated capacities and specifications can result in a roll-over or other serious hazard.

**WARNING**

To avoid serious injury or death:

- Use the Bale Grabber to pick-up round bales 72" in diameter or smaller. Picking up objects other than round bales can tip the power machine and/or cause the operator to lose control.
- To maintain stability, always transport bale by grabbing it as low as possible and lifting the bale up just high enough to see either over or under the bale while transporting.
- Keep bystanders and animals a safe distance away when entering, picking up, and transferring a bale. The bale can shift and fall suddenly from the grab arms.
- When picking up a bale on an incline, always approach the bale with the power machine facing up the incline.
- When using a tractor with a front and rear bale carrier, always load the rear first and unload it last.
- Keep bystanders away from the bale stack while removing a bale from the stack. Be careful not to push other bales off the stack while removing a bale. Bales bumped or pushed off the stack can fall towards the operator and/or bystanders.
- Do not go under a raised bale or allow bystanders to go under a raised bale. Always lower the attachment until it is resting on the ground before leaving the power machine.
- Do not hook or wrap a chain to the attachment or loader hitch/frame to secure a load. Doing so can cause the power machine to tip and/or operator to lose control.

**IMPORTANT:** Do not ram attachment into a bale. Doing so can damage the attachment.

1. Be sure to read and understand all safety alerts under “Safety Information” on page 11.
2. Make sure the bale does not exceed rated lift capacity of the power machine lifting the bale.
3. Check for overhead obstructions.
4. Make a complete stop in front of the bale to position the grab arms for picking up the bale:

**Pick-up Vertical Bales**

- Tilt the hitch until the grab arms are straight out in front of the power machine.
- Open grab arms to go around the bale.
- See Figure 2-9: Adjust loader lift arms to grab the bale as low as possible. Do not grab a bale with grab arms close to the top as shown in Figure 2-10.
- See Figure 2-12 on page 19: Avoid lifting large bales by the arm tips. Instead, slowly drive forward until the grab arms are fully around the bale, and the mainframe is against the bale as shown in Figure 2-11 on page 19.
- If the bale has bales against it on both sides, try jogging the grab arm cylinder back and forth to help work the grab arms between the bales while driving slowly forward.
- Close the grab arms around the circumference of the bale until you have a tight grip on the bale.

**Pick-up Horizontal Bales**

- Raise loader arms while tilting the hitch forward until the grab arms are hanging straight down and the arm tips are slightly above the horizontal bale.
- Open the grab arms to go around the bale.
- Slowly drive forward until the grab arms are directly above what will be the lower end of the bale. The lower end is what will be the bottom half of the bale when the bale is rotated vertical for transporting (See Figure 2-9).
d. Avoid lifting large bales by the arm tips. Instead, lower the Bale Grabber until its mainframe is against the bale as shown in Figure 2-11 on page 19.

e. If the bale has other bales against it on both sides, try jogging the grab arm cylinder back and forth to help work the arms between the bales.

f. Close the grab arms around the circumference of the bale until you have a tight grip on the bale.

g. Raise the bale off the ground while tilting the hitch back until the bale is vertical and slightly off the ground.

Transport Round Bales

⚠️ DANGER
To avoid serious injury or death:
Keep attachment, loader arms, and/or load away from overhead electrical power lines. Place an orange warning sign under overhead lines indicating type of danger above.

⚠️ WARNING
To avoid serious injury or death:
- Follow all safety precautions when transporting a load. Not using safe transporting methods can damage the equipment and cause serious injury or death.
- 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 travel straight up and straight down inclines. Make turns only on level ground. Carrying the bale high while traveling across an incline can cause a rollover.
- Always transport over ramps and inclines with the heavy end of the power machine on the “uphill” side. This may require one to drive up and back down inclines.

1. Check to make sure the Bale Grabber has a good grip on the bale. If it does not, release the bale and recapture it in a more secure location. Check the grip as follows:
   - Make sure the grab arms are low on the bale. Never grab the bale near the top, as the bale is more likely to slip from this position in transport.
   - Make sure the large bale is against the mainframe and the grab arms are wrapped around the bale tight enough to hold the bale securely. Refer to Figure 2-10.

2. Lift bale to a suitable height for carrying without obstructing operator’s view. When possible, carry bale below line of sight. If bale obstructs operator’s view when carried low, lift bale just above operator’s line of sight.

3. Continually scan all sides for pedestrians, other traffic, and obstacles. Remember, pedestrians always have the right-of-way.

4. Select a safe ground travel speed when transporting from one area to another. Slow down when going around corners. When possible, avoid sudden braking.

5. Leave enough clearance when turning so that the Bale Grabber and/or round bale do not contact obstacles such as buildings, trees, fences, etc.

6. When traveling over a ramp or incline, keep the heavy end on the “uphill” side of the power machine.
7. When possible, travel straight up and down grades, ramps, and inclines. Avoid making turns on grades, ramps, and inclines.
8. Raise or lower the bale only when stopped, never while traveling.
9. Slow down when traveling over rough or hilly terrain.
10. Load bales on a trailer or truck bed to transport bales on a public roadways.
11. Only travel on public roadways without a bale and transport in such a way that a faster moving vehicle may pass you safely.

Release Round Bales

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

- Keep bystanders and animals a safe distance away when releasing a bale. The bale can shift and fall suddenly from the grab arms.
- When stacking bales, place them in such a way that they and the stack are stable.
- Keep bystanders away from the bale stack while stacking bales. Be careful not to push other bales off the stack while placing a bale. Bales bumped or pushed off the stack can fall towards the operator and/or bystanders.
- Do not go under a raised bale or allow bystanders to go under a raised bale. Always lower the attachment until it is resting on the ground before leaving the power machine.

1. Be sure to read and understand all safety alerts under “Safety Information” on page 11.
2. Stop in front of the desired location to release the bale.
3. If releasing the bale on its side, tilt the hitch forward until the bale is horizontal.
4. Slowly raise load to the required release height while maintaining the bale's vertical or horizontal position.
5. Move forward slowly while checking to make sure the Bale Grabber and bale clears all obstacles.
6. Stop forward movement once the load is over its release location.
7. Lower the bale carefully until it has settled on the ground or stack.
8. Once it has settled, slowly open the grab arms to release the bale. Take care not to push other bales away or off a stack while releasing the bale.
9. If the bale is stacked horizontally, slowly and carefully raise the Bale grabber until the grab arms are no longer around the bale.
10. If the bale is stacked vertically, slowly back up until the grab arms are no longer around the bale. Make sure no pedestrians or other traffic are behind or on either side of the power machine while backing up.
11. If the bale has other bales tight against it on both sides, try jogging the arm cylinder back and forth to help work the arms free while pulling the arms away from the bale.
12. Back away from the bale or stack far enough to leave clearance for lowering and/or turning the Bale Grabber.
Section 3: Maintenance & Lubrication

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 hardware after several hours of operation and regularly thereafter, to ensure they are tight and secured. Replace worn, damaged, or illegible safety labels by obtaining new labels from your Land Pride dealer.

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

⚠️ WARNING
To avoid serious injury or death:
• Hydraulic fluid under high pressure can penetrate the skin and/or eyes causing a serious injury. Wear protective gloves and safety glasses or goggles when working with hydraulic systems. Use a piece of cardboard or wood rather than hands when searching for leaks. A doctor familiar with this type of injury must treat the injury within a few hours or gangrene may result. DO NOT DELAY.
• Perform scheduled maintenance. Check for loose hardware, missing parts, broken parts, structural cracks, and excessive wear. Make repairs before putting the attachment back into service. Serious breakdowns can result in injury or death.
• Allow only persons to perform maintenance on this attachment who have been properly trained in its safe operation.
• Before any maintenance is performed, lower attachment to ground, shut engine off, and remove switch key. Do not attempt to perform maintenance with power machine running.
• Do not alter attachment or replace parts on the attachment with other brands. Other brands may not fit properly or meet OEM specifications. They can weaken the integrity and impair the safety, function, performance, and life of the attachment. Replace parts only with genuine OEM parts.

Long-Term Storage
Clean, inspect, service, and make necessary repairs to the attachment when storing it for long periods and at the end of the season. This will help to ensure the unit is ready for field use the next time you hook-up to it.

1. Remove any dirt and grease that may have accumulated on the Bale Grabber. Scrape off compacted dirt from the bottom of the arms and then wash surface thoroughly with a garden hose.
2. Check pivot pins for wear and replace if necessary.
3. Inspect Bale Grabber for loose, damaged, or worn parts. Adjust and tighten loose parts. When needed, replace parts with only genuine OEM parts.
4. Repaint parts where paint is worn or scratched to prevent rust. Ask your dealer for Land Pride 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.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Part Description</th>
</tr>
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<tbody>
<tr>
<td>821-070C</td>
<td>GLOSS BLACK ENAMEL SPRAY CAN</td>
</tr>
<tr>
<td>821-070CTU</td>
<td>GLOSS BLACK ENAMEL BOTTLE &amp; BRUSH</td>
</tr>
<tr>
<td>821-070CQT</td>
<td>GLOSS BLACK ENAMEL QUART</td>
</tr>
<tr>
<td>821-070CGL</td>
<td>GLOSS BLACK ENAMEL GALLON</td>
</tr>
</tbody>
</table>

5. A light coating of oil or grease may be applied to the areas where paint is worn off in lieu of paint to minimize oxidation.
6. Replace all damaged or missing decals.
7. Store attachment on a level surface in a clean, dry place. Inside storage will reduce maintenance and make for a longer Bale Grabber life.
Arm Pivot Pins
4- Zerks
Type of Lubrication: Multi-purpose Grease
Quantity = As needed
### Bale Grabber

#### Specifications & Capacities

<table>
<thead>
<tr>
<th>Model Numbers</th>
<th>BG2400</th>
<th>BGE2400</th>
</tr>
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<tbody>
<tr>
<td>Hitch type</td>
<td>Skid Steer Quick Attach (Meets SAE)</td>
<td>Euro</td>
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<tr>
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<td>37 1/4&quot;</td>
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<tr>
<td>Closed arm length</td>
<td>57&quot;</td>
<td>57&quot;</td>
</tr>
<tr>
<td>Maximum tip opening width</td>
<td>92 1/2&quot;</td>
<td>92 1/2&quot;</td>
</tr>
<tr>
<td>Bale Capacity maximum diameter</td>
<td>Up to 72&quot;</td>
<td>Up to 72&quot;</td>
</tr>
<tr>
<td>Bale Capacity maximum weight</td>
<td>2400 lbs</td>
<td>2400 lbs</td>
</tr>
<tr>
<td>Pivot pins</td>
<td>1 1/4&quot; Greasable</td>
<td>1 1/4&quot; Greasable</td>
</tr>
<tr>
<td>Hydraulic cylinder</td>
<td>3&quot; x 16&quot; x 1 1/2&quot; Rod</td>
<td>3&quot; x 16&quot; x 1 1/2&quot; Rod</td>
</tr>
<tr>
<td>Hydraulic pressure rating</td>
<td>3500 psi</td>
<td>3500 psi</td>
</tr>
<tr>
<td>Weight without options</td>
<td>585 lbs</td>
<td>605 lbs</td>
</tr>
<tr>
<td><strong>Weight of Options</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydraulic cylinder without valve</td>
<td>40 lbs</td>
<td>40 lbs</td>
</tr>
<tr>
<td>Hydraulic cylinder with valve</td>
<td>43 lbs</td>
<td>43 lbs</td>
</tr>
<tr>
<td>Skid steer hose kit</td>
<td>31 lbs</td>
<td>Not Available</td>
</tr>
<tr>
<td>Tractor hose kit (24' hoses)</td>
<td>40 lbs</td>
<td>40 lbs</td>
</tr>
<tr>
<td>Third function hose kit (5' hoses)</td>
<td>10 lbs</td>
<td>10 lbs</td>
</tr>
</tbody>
</table>

### Diagrams

**BG2400**

- Closed inside arm width: 37 1/4"
- Closed arm length: 57"
- Maximum tip opening width: 92 1/2"

**BGE2400**

- Closed inside arm width: 37 1/4"
- Closed arm length: 57"
- Maximum tip opening width: 92 1/2"
# Section 5: Features & Benefits

## Bale Grabber

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quick Attach Hitch (BG2400)</td>
<td>Fits skid steer, track loaders, and tractor loaders with a universal quick attach hitch.</td>
</tr>
<tr>
<td>Euro Hitch (BGE2400)</td>
<td>Fits tractor loaders with a Euro hitch.</td>
</tr>
<tr>
<td>0&quot; to 92 1/2&quot; arm tip opening</td>
<td>Can easily pick up round bales up to 72&quot; diameter.</td>
</tr>
<tr>
<td>Greasable 1 1/4&quot; pivot pins</td>
<td>Heavy built greasable pivot pins last a long time.</td>
</tr>
<tr>
<td>3&quot; Bore hydraulic cylinder</td>
<td>Large 3&quot; bore cylinder provides excellent arm squeezing forces to grip large bales.</td>
</tr>
<tr>
<td>Arms are constructed of heavy round and square tubing</td>
<td>Grab arms are built strong to withstand bending forces. Round tubing is gentler when handling wrapped bales.</td>
</tr>
<tr>
<td>Back Stop</td>
<td>Helps stop the bale from rolling down the loader arms onto the operator.</td>
</tr>
</tbody>
</table>

### Options

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydraulic cylinder without valve</td>
<td>Works well for power units that maintain grip pressure.</td>
</tr>
<tr>
<td>Hydraulic cylinder with valve</td>
<td>Protect against oil seeping out of the system and loss of hydraulic pressure. Keeps constant hold pressure on the bale.</td>
</tr>
<tr>
<td>Skid steer hose kit</td>
<td>Used to couple BG2400 Bale Grabber to skid steers and track loaders.</td>
</tr>
<tr>
<td>Tractor hose kit (24' hoses)</td>
<td>Long enough to reach to the tractor’s rear couplers. Excellent choice when the tractor front loader does not have couplers mounted at the front of the loader.</td>
</tr>
<tr>
<td>Third function hose kit (5' hoses)</td>
<td>Provides easy hydraulic hook-up and disconnect at the front of tractor loaders equipped with a 3rd function valve.</td>
</tr>
</tbody>
</table>

### Kubota Accessory

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kubota SVL Hose Stay #S6689 or SSV Hose Stay #77700-07225</td>
<td>Keeps hydraulic hoses out of the hinged hitch plate area. Eliminates hose damage. Purchase hose stay kits through your nearest Kubota dealer.</td>
</tr>
</tbody>
</table>
# Troubleshooting Chart

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Drop in oil level.</strong></td>
<td>One or more hydraulic hoses are leaking.</td>
<td>Replace damaged hydraulic hoses.</td>
</tr>
<tr>
<td></td>
<td>One or more hose connections and/or fittings are leaking.</td>
<td>Tighten hose and/or fitting connections.</td>
</tr>
<tr>
<td></td>
<td>The hydraulic system in the power machine leaks oil.</td>
<td>Repair hydraulic system.</td>
</tr>
<tr>
<td><strong>Drop in line pressure.</strong></td>
<td>One or more hydraulic hoses are leaking.</td>
<td>Replace damaged hydraulic hoses.</td>
</tr>
<tr>
<td></td>
<td>One or more hose connections and/or fittings are leaking.</td>
<td>Tighten hose and/or fitting connections.</td>
</tr>
<tr>
<td></td>
<td>The hydraulic system in the power machine leaks oil.</td>
<td>Repair hydraulic system.</td>
</tr>
<tr>
<td><strong>Bale slips or falls from the grab arms.</strong></td>
<td>Drop in line pressure.</td>
<td>See Problem: Drop in line pressure.</td>
</tr>
<tr>
<td></td>
<td>Grab arms captured the bale incorrectly.</td>
<td>Release and recapture the bale. Refer to “Pick-up Round Bales” on page 18.</td>
</tr>
<tr>
<td></td>
<td>The Bale Grabber is not equipped with the optional check valve.</td>
<td>Have the optional check valve installed to help protect against this problem.</td>
</tr>
<tr>
<td></td>
<td>Check valve is malfunctioning.</td>
<td>Repair or replace check valve.</td>
</tr>
<tr>
<td><strong>Bale wrap tears.</strong></td>
<td>Grab arms rub too tight against the bale.</td>
<td>Open grab arms wider when entering or exiting a bale.</td>
</tr>
<tr>
<td></td>
<td>Raising/lowering grab arms while squeezing or releasing a bale.</td>
<td>Do not change height of grab arms while squeezing or releasing a bale.</td>
</tr>
<tr>
<td></td>
<td>Continuing to lower the grab arms after the bale is resting on the ground or stack.</td>
<td>Stop lowering grab arms once the bale is resting on the ground or stack.</td>
</tr>
<tr>
<td><strong>Hydraulic cylinder operates sluggish.</strong></td>
<td>Damaged or pinched hydraulic hose.</td>
<td>Check hoses and replace as needed.</td>
</tr>
<tr>
<td></td>
<td>Oil is bypassing hydraulic cylinder seals.</td>
<td>Replace cylinder seals.</td>
</tr>
<tr>
<td></td>
<td>Hydraulic circuit relief on the skid steer or track loader is in need of repair.</td>
<td>Repair circuit relief.</td>
</tr>
<tr>
<td></td>
<td>Auxiliary valve spool on the skid steer or track loader is not shifting correctly.</td>
<td>Repair the auxiliary valve spool.</td>
</tr>
<tr>
<td><strong>Hydraulic cylinder does not operate.</strong></td>
<td>Couplers are not fully connected.</td>
<td>Reconnect couplers.</td>
</tr>
<tr>
<td></td>
<td>Damaged or pinched hydraulic hose.</td>
<td>Check hoses and replace as needed.</td>
</tr>
<tr>
<td></td>
<td>Auxiliary circuit for hydraulics does not operate.</td>
<td>Check the circuit and repair.</td>
</tr>
</tbody>
</table>
## Torque Values Chart for Common Bolt Sizes

<table>
<thead>
<tr>
<th>Bolt Size (inches)</th>
<th>Bolt Head Identification</th>
<th>Bolt Size (Metric)</th>
<th>Bolt Head Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Grade 2</td>
<td>Grade 5</td>
<td>Grade 8</td>
</tr>
<tr>
<td><strong>in-tpi</strong></td>
<td><strong>N · m</strong></td>
<td><strong>ft-lb</strong></td>
<td><strong>N · m</strong></td>
</tr>
<tr>
<td>1/4” - 20</td>
<td>7.4</td>
<td>11</td>
<td>19</td>
</tr>
<tr>
<td>1/4” - 28</td>
<td>8.5</td>
<td>13</td>
<td>19</td>
</tr>
<tr>
<td>5/16” - 18</td>
<td>15</td>
<td>24</td>
<td>33</td>
</tr>
<tr>
<td>5/16” - 24</td>
<td>17</td>
<td>26</td>
<td>37</td>
</tr>
<tr>
<td>3/8” - 16</td>
<td>27</td>
<td>42</td>
<td>59</td>
</tr>
<tr>
<td>3/8” - 24</td>
<td>31</td>
<td>67</td>
<td>95</td>
</tr>
<tr>
<td>7/16” - 14</td>
<td>43</td>
<td>95</td>
<td>120</td>
</tr>
<tr>
<td>7/16” - 20</td>
<td>49</td>
<td>105</td>
<td>145</td>
</tr>
<tr>
<td>1/2” - 13</td>
<td>66</td>
<td>145</td>
<td>190</td>
</tr>
<tr>
<td>1/2” - 20</td>
<td>75</td>
<td>150</td>
<td>215</td>
</tr>
<tr>
<td>9/16” - 12</td>
<td>95</td>
<td>210</td>
<td>290</td>
</tr>
<tr>
<td>9/16” - 18</td>
<td>105</td>
<td>235</td>
<td>325</td>
</tr>
<tr>
<td>5/8” - 11</td>
<td>130</td>
<td>285</td>
<td>410</td>
</tr>
<tr>
<td>5/8” - 18</td>
<td>150</td>
<td>325</td>
<td>490</td>
</tr>
<tr>
<td>3/4” - 10</td>
<td>235</td>
<td>510</td>
<td>625</td>
</tr>
<tr>
<td>3/4” - 16</td>
<td>260</td>
<td>570</td>
<td>695</td>
</tr>
<tr>
<td>7/8” - 9</td>
<td>225</td>
<td>820</td>
<td>1050</td>
</tr>
<tr>
<td>7/8” - 14</td>
<td>250</td>
<td>905</td>
<td>1120</td>
</tr>
<tr>
<td>1” - 8</td>
<td>340</td>
<td>1230</td>
<td>1450</td>
</tr>
<tr>
<td>1” - 12</td>
<td>370</td>
<td>1350</td>
<td>1595</td>
</tr>
<tr>
<td>1-1/8” - 7</td>
<td>480</td>
<td>1750</td>
<td>2100</td>
</tr>
<tr>
<td>1-1/8” - 12</td>
<td>540</td>
<td>1960</td>
<td>2450</td>
</tr>
<tr>
<td>1-1/4” - 7</td>
<td>680</td>
<td>2460</td>
<td>3010</td>
</tr>
<tr>
<td>1-1/4” - 12</td>
<td>750</td>
<td>2730</td>
<td>3400</td>
</tr>
<tr>
<td>1-3/8” - 6</td>
<td>890</td>
<td>3230</td>
<td>4060</td>
</tr>
<tr>
<td>1-3/8” - 12</td>
<td>1010</td>
<td>3680</td>
<td>4660</td>
</tr>
<tr>
<td>1-1/2” - 6</td>
<td>1180</td>
<td>4290</td>
<td>5370</td>
</tr>
<tr>
<td>1-1/2” - 12</td>
<td>1330</td>
<td>4820</td>
<td>6060</td>
</tr>
</tbody>
</table>

1. in-tpi = nominal thread diameter in inches - threads per inch
2. N · m = newton-meters
3. ft-lb = foot pounds
4. mm x pitch = nominal thread diameter in millimeters x thread pitch

Torque tolerance + 0%, -15% of torquing values. Unless otherwise specified use torque values listed above.

**BG2400 & BGE2400 Bale Grabber 319-173M**

12/7/18
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 and Driveline: One year Parts and Labor

Hydraulic Cylinder: One year Parts and Labor.

Valve: One year Parts and Labor.

Hoses and Seals: Considered wear items.

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

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

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

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

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

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