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.

<table>
<thead>
<tr>
<th>Model Number</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Serial Number</td>
<td></td>
</tr>
<tr>
<td>Machine Height</td>
<td></td>
</tr>
<tr>
<td>Machine Length</td>
<td></td>
</tr>
<tr>
<td>Machine Width</td>
<td></td>
</tr>
<tr>
<td>Machine Weight</td>
<td></td>
</tr>
<tr>
<td>Delivery Date</td>
<td></td>
</tr>
<tr>
<td>First Operation</td>
<td></td>
</tr>
<tr>
<td>Accessories</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dealer Contact Information
Name: __________________________
Street: __________________________
City/State: _______________________
Telephone: ________________________
Email: __________________________

California Proposition 65
⚠️ WARNING: Cancer and reproductive harm - www.P65Warnings.ca.gov
# Table of Contents

**Important Safety Information**  
- Safety at All Times  
- Look for the Safety Alert Symbol  
- Safety Labels

**Introduction**  
- Application  
- Using This Manual  
- Terminology  
- Definitions  
- Owner Assistance  
- Serial Number  
- Further Assistance

**Section 1: Assembly & Set-up**  
- Tractor Requirements  
- Torque Requirements  
- Hitch Assembly  
- 3-Point Hook-up

**Section 2: Operating Procedures**  
- Operator’s Responsibilities  
- Safety Information  
- Transporting  
- Tractor Shutdown Procedure  
- General Operating Instructions

**Section 3: Adjustments**  
- Shank Adjustments  
- Leveling and Pitch Adjustment

**Section 4: Maintenance**  
- Maintenance  
- Cutting Blades  
- Shank Tips  
- Long-Term Storage  
- Ordering Replacement Parts

**Section 5: Specifications & Capacities**

**Section 6: Features & Benefits**

**Section 7: Torque Values Chart**

**Section 8: Warranty**
See previous page for Table of Contents.
Important Safety Information

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 implement.

▲ Thoroughly read and understand the “Safety Label” section. Read all instructions noted on them.
▲ Do not operate the equipment while under the influence of drugs or alcohol as they impair the ability to safely and properly operate the equipment.
▲ The operator should be familiar with all functions of the tractor and attached implement, 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 implement.
▲ Keep all bystanders away from equipment and work area.
▲ Start tractor from the driver’s seat with hydraulic controls in neutral.
▲ Operate tractor and controls from the driver’s seat only.
▲ Never dismount from a moving tractor or leave tractor unattended with engine running.
▲ Do not allow anyone to stand between tractor and implement while backing up to implement.
▲ 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.
▲ Do not turn tractor so tight as to cause hitched implement to ride up on the tractor’s rear wheel.
▲ Store implement in an area where children normally do not play. When needed, secure implement against falling with support blocks.

Look for the Safety Alert Symbol

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

Be Aware of Signal Words

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

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

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

CAUTION
Indicates a hazardous situation that, if not avoided, may result in minor or moderate injury.

Safety Precautions for Children

Tragedy can occur if the operator is not alert to the presence of children. Children generally are attracted to implements 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 implement and tractor down if children enter the work area.
▲ Never carry children on the tractor or implement. 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 implement.
▲ Use extra caution when backing up. Before the tractor starts to move, look down and behind to make sure the area is clear.

Tractor Shutdown & Storage

▲ If engaged, disengage power take-off.
▲ Park on solid, level ground and lower implement to ground or onto support blocks.
▲ Put tractor in park or set park brake, turn off engine, and remove switch key to prevent unauthorized starting.
▲ Relieve all hydraulic pressure to auxiliary hydraulic lines.
▲ Wait for all components to stop before leaving operator’s seat.
▲ Use steps, grab-handles and anti-slip surfaces when stepping on and off the tractor.
▲ Detach and store implement in an area where children normally do not play. Secure implement using blocks and supports.
Listed below are common practices that may or may not be applicable to the products described in this manual.

**Use A Safety Chain**
- A safety chain will help control drawn machinery should it separate from the tractor drawbar.
- Use a chain with the strength rating equal to or greater than the gross weight of the towed implement.
- Attach the chain to the tractor drawbar support or other specified anchor location. Allow only enough slack in the chain to permit turning.
- Always hitch the implement to the machine towing it. Do not use the safety chain to tow the implement.

**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 over head utility lines or electrically charged conductors.
- Always drive with load on end of loader arms low to the ground.
- Always drive straight up and down steep inclines with heavy end of a tractor with loader attachment on the “uphill” side.

**Practice Safe Maintenance**
- Disconnect battery ground cable (-) before servicing or adjusting electrical systems or before welding on implement.
- Inspect all parts. Make certain parts are in good condition & installed properly.
- Replace parts on this implement with genuine Land Pride parts only. Do not alter this implement in a way which will adversely affect its performance.
- Do not grease or oil implement 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 implement are properly collected and disposed.
- Remove all tools and unused parts from equipment before operation.
- Always make sure any material and waste products from the repair and maintenance of the implement are properly collected and disposed.
- Do not weld or torch on galvanized metal as it will release toxic fumes.
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, 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**

- 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 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, see a doctor familiar with this type of injury immediately. Any fluid injected into the skin or eyes must be treated within a few hours or gangrene may result.

**Use Safety Lights and Devices**

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

**Use Seat Belt and ROPS**

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

**Keep Riders Off Machinery**

- Never carry riders on the tractor or implement.
- Riders obstruct operator’s view and interfere with the control of the power machine.
- Riders can be struck by objects or thrown from the equipment.
- Never use tractor or implement to lift or transport riders.
Listed below 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.

**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.
Safety Labels

Your Box Scraper 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.

---

**WARNING**

To Avoid Injury or Machine Damage:
- Contact dealer for manual.
- Keep others away during operation.
- DO NOT allow riders.
- Lower Box Scraper to the ground, stop tractor engine, set the park brake, and remove ignition key BEFORE servicing, adjusting, or repairing.
- DO NOT put feet under box scraper when removing or adjusting sheenks.

---

**818-267C**

Caution Avoid Injury

**838-615C**

2" x 9" Amber Reflector (1 place)

**838-614C**

2" x 9" Red Reflector (2 places)
Introduction

Land Pride welcomes you to the growing family of new product owners. This Box Scraper 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 scraper.

Application

The Land Pride 35 Series Fixed Bar Box Scrapers are ideal for ripping, leveling, finish grading, and backfilling applications at feedlots, outdoor arenas, building sites, and maintenance operations on farm and ranch lanes or roadways.

These Fixed Bar Box Scrapers are designed for Category I and II three point hitches or Quick Hitch System mounting. They are adapted for 3-point attachment to tractors in the 45-120 hp range.

See “Specifications & Capacities” on page 16 and “Features & Benefits” on page 17 for additional information and performance enhancing options.

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.

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 Box Scraper 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 Box Scraper. 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 implement 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
Tractor Requirements
Tractor horsepower should be within the range noted below. Tractors outside the horsepower range must not be used. Tractor horsepower should be within the range noted below. Tractors outside the horsepower range must not be used.

Horsepower Rating: 45-120 HP
Hitch Type: 3-Point
Hitch Category: Cat. 1 or II

WARNING
To avoid serious injury or death:
- A tractor hitched to the BB35 Series scraper must meet listed minimum horsepower requirements. Refer to “Horsepower Rating” below for listed requirements. Using an under horsepower tractor can result in loss of tractor control and cause serious injury or death.
- Lightweight tractors with rear attached implements may need weights added to the front to maintain steering control. Consult your tractor Operator’s Manual to determine proper weight requirements and maximum weight limitations.

Torque Requirements
Refer to “Torque Values Chart” on page 18 to determine correct torque values when tightening hardware.

Hitch Assembly
Refer to Figure 1-1:

NOTE: Shanks are not shown to make hitch assembly instructions easier to follow.

1. Attach left-hand hitch plate (#1) to the inside of clevis plate “A” with 3/4"-10 x 2" GR5 bolts (#4), lock washers (#5), and hex nuts (#6). Draw nuts up snug, do not tighten at this time.

2. Attach right-hand hitch plate (#2) to the inside of clevis plate “B” with 3/4"-10 x 2" GR5 bolts (#4), lock washers (#5), and hex nuts (#6). Draw nuts up snug, do not tighten at this time.

3. Attach back straps (#3) to the inside of mounting lugs “C” with 3/4"-10 x 2" GR5 bolts (#4), lock washers (#5), and hex nuts (#6). Draw nuts up snug, do not tighten at this time.

4. Align holes in back straps (#3) with lower holes in hitch plates (#1 & #2). With 2" long spacer (#7) positioned in the center, insert 3/4"-10 x 5 1/2" GR5 bolt (#8) through hitch plate (#1), rear strap (#3), spacer (#7), rear strap (#3), and hitch plate (#2) as shown.

5. Secure bolt with lock washer (#9) and hex nut (#10).

6. Tighten hex nuts (#6 & #10) to the correct torque.
3-Point Hook-up
Refer to Figure 1-2:

**DANGER**
To avoid serious injury or death:
A crushing hazard exists while hooking-up and unhooking the implement. Keep people and animals away while backing-up to the implement or pulling away from the implement. Do not operate hydraulic controls while a person or animal is directly behind the power machine or near the implement.

**WARNING**
To avoid serious injury or death:
Always follow “Tractor Shutdown Procedure” provided in this manual before dismounting the tractor. Refer to “Tractor Shutdown Procedure” on page 11.

NOTE: Land Pride’s Quick Hitch can be attached to the tractor to provide quick and easy 3-point hook-up and detachment. See your nearest Land Pride dealer to purchase a Quick-Hitch.

A 3-point Category I or II hitch is required. The lower 3-point arms of the 3-point hitch must be stabilized to prevent side-to-side movement. Most tractors have sway blocks or adjustable chains for this purpose.

1. Ensure lower 3-point lift arms are blocked to prevent excessive side-to-side movement.
2. Slowly back tractor up to the Box Scraper while using tractor’s 3-point control lever to align lower 3-point hitch holes with clevis lug holes on the Box Scraper.
   - Cat. I hook-up: Align lift arms with inside clevises.
   - Cat. II hook-up: Align lift arms with outside clevises.
4. Attach lower 3-point arms to the clevises with hitch pins (#1). Secure hitch pins with linchpins (#2).
5. Connect top center 3-point link to the upper hitch with hitch pin (#3). Secure hitch pin with hairpin cotters (#4).
6. Return to the tractor and slowly operate tractor 3-point hydraulic control lever to slowly raise and lower the Box Scraper while checking for clearance between tractor tires, drawbar, and Box Scraper. Move or remove drawbar if it interferes with the Box Scraper.
7. Level the scraper left to right and front to back. Refer to “Leveling and Pitch Adjustment” on page 13.

Tractor 3-Point Hitch
Figure 1-2
Section 2: Operating Procedures

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 Box Scraper. Therefore, it is absolutely essential that no one operates the Box Scraper unless they are age 16 or older and have read, fully understood, and are totally familiar with the Operator’s Manual. Make sure the operator has paid particular attention to:

Perform the following inspections before using your Box Scraper.

Safety Information

**DANGER**

To avoid serious injury or death:

- Make adjustments to the implement after it has been properly attached to a tractor and secured with solid non-concrete supports in the up position. Never work around or under equipment supported by hydraulics. Hydraulics can drop equipment instantly if controls are actuated or if hydraulic lines burst even when power to hydraulics is shut off.

- Do not allow anyone near the tractor or implement while operating. Stop operation if bystanders are too close. They can be hit by flying projectiles, become entangled in the equipment, or run over.

**WARNING**

To avoid serious injury or death:

- Allow only persons to operate this implement who have fully read and comprehended this manual, who have been properly trained in the safe operation of this implement, and who are age 16 or older. Serious injury or death can result from the inability to read, understand, and follow instructions provided in this manual.

- 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.

- Do not use implement to lift objects; to pull objects such as fence posts, stumps, etc; or to push objects. The unit is not designed or guarded for these uses.

- Do not use implement to tow other equipment unless it is designed with a tow hitch. Doing so can result in loss of control and damage the equipment.

- Do not use implement as a man lift, work platform or as a wagon to carry objects. It is not properly designed or guarded for this use.

- Always keep your body extremities out from under the shanks and cutting blades while removing, installing, and adjusting them. It is possible for the cutting blades and/or shanks to fall causing injury to your body.

- Make sure safety labels are in their proper location and are in good condition before operating the attached implement. Read and obey all instructions on the labels.

- Never carry riders on the implement or tractor. 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.

- Never make contact with underground utilities such as electrical power lines, gas lines, phone lines, etc. They can cause serious injury or death from electrocution, explosion, or fire. Always call 811 (USA) before digging so that they can mark the location of underground services in the area. For contact information, see Dig Safe in the “Important Safety Information” starting on page 1.
Transporting

WARNING
To avoid serious injury or death:
When traveling on public roadways, travel in such a way that faster moving vehicles may pass safely. Use accessory lights, clean reflectors, and a slow moving vehicle sign that is visible from the back to warn operators in other vehicles of your presence. Always comply with all federal, state, and local laws.

1. Be sure to reduce tractor ground speed when turning, and leave enough clearance so the Box Scraper does not contact obstacles such as buildings, trees, or fences.
2. Select a safe ground travel speed when transporting from one area to another.
3. When traveling on roadways, transport in such a way that faster moving vehicles may pass you safely.
4. When traveling over rough or hilly terrain, shift tractor to a lower gear and travel slower.

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

1. Reduce engine speed and disengage power take-off if engaged.
2. Park tractor and implement on level, solid ground.
3. Lower implement 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.

General Operating Instructions
Once you have familiarized yourself with the Operator’s Manual, completed the operating checklist, and properly attached your Land Pride Fixed Bar Box Scraper to your tractor, you are now almost ready to begin work. Box Scrapers are ideal for ripping, leveling, finish grading, and backfilling applications at feedlots, outdoor arenas, building sites, and maintenance operations on farm and ranch lanes or roadways. Hopefully you have checked out your work site for any buried utility cables, pipelines, or other obstacles that you wouldn’t want to damage or encounter.

A Box Scraper’s primary purpose is grading and leveling. This function is best done at an approximate 2 to 4 mph ground speed. With the ripper shanks raised all the way up, simply lower the Box Scraper to the ground and proceed forward. The grader blade should immediately begin shaving the soil surface and dirt or aggregate material should begin accumulating in the box. You can transfer this material by dragging it to a nearby location and then raising the Box Scraper to deposit your load. You can also achieve uniform distribution and leveling of scraped material by setting the Box Scraper to shave off high spots allowing accumulated material to flow out under the grader blade in low areas. Occasionally, the ground or surface material will be very hard and will require ripping to loosen the soil profile in order for the Box Scraper blade to be effective. If more aggressive ripping action is desired, lower shanks one hole at a time. If less aggressive ripping action is desired, raise all of the shanks. Achieving the desired effect will require a little experimentation and experience in your given conditions. Box Scrapers generally perform better in dry to slightly damp soil conditions.

Your Land Pride Fixed Bar Box Scraper can also be used for backfilling applications. Simply lower your Box Scraper and back the standard rear facing grader blade into the pile of dirt you are using for backfill. Continue backfilling and pushing operations until you have successfully completed the task.

With a little practice you should become a very good operator and consistently achieve the desired results you expect with your Land Pride Box Scraper.

See “Specifications & Capacities” on page 16 and “Features & Benefits” on page 17 for additional information and performance enhancing options.
Shank Adjustments

**DANGER**

To avoid serious injury or death:
Make adjustments to the implement after it has been properly attached to a tractor and secured with solid non-concrete supports in the up position. Never work around or under equipment supported by hydraulics. Hydraulics can drop equipment instantly if controls are actuated or if hydraulic lines burst even when power to hydraulics is shut off.

**WARNING**

To avoid serious injury or death:
Always keep your body extremities out from under the shanks and cutting blades while removing, installing, and adjusting them. It is possible for the cutting blades and/or shanks to fall causing injury to your body.

Refer to Figure 3-1:
Shank settings are based on the vertical distance measured from bottom edge of side plates to bottom of shank tips. Adjust each shank height as follows:

1. Locate tractor and scraper on a flat level surface.
2. Lower scraper down until the side panels and rear blades are resting on four 6” high support blocks.
   a. Locate two of the support blocks close to the front of the scraper under both side panels.
   b. Locate the other two support blocks under the grader blades and close to the side panels.
3. Place tractor gear selector in park or set park brake, turn off engine, and remove switch key before dismounting tractor.
4. Remove hairpin cotter (#3) and bent pin(#2).
5. Adjust shank (#1) up or down to the desired shank hole and replace bent pin (#2). Secure bent pin with hairpin cotter (#3).

---

**Top Shank Hole:**
Shank Tip is 4” Below Bottom of Side Plates

**Second Shank Hole:**
Shank Tip is 2” Below Bottom of Side Plates

**Third Shank Hole:**
Shank Tip is Even with Bottom of Side Plates

**Fourth Shank Hole:**
Shank Tip is 2” Above Bottom of Side Plates

---

Shank Adjustments

Figure 3-1
Leveling and Pitch Adjustment

Refer to Figure 3-2:

1. Locate tractor and Box Scraper on a flat, level surface. Lower scraper until side panels are 2 to 3 inches off the ground.

2. Place tractor gear selector in park or in neutral and set park brake. Turn tractor engine off, and remove switch key to prevent unauthorized starting.

3. Close to the front of the scraper, place a 2x4 board (#1) under each scraper side panel.

4. Return to the tractor seat and restart tractor.

5. Slowly lower scraper down while watching the side panels make contact with the 2x4 boards (#1). Both side panels should make contact with the boards at the same time. If one side makes contact sooner, make note of that side and continue to lower the scraper until both sides are resting on the boards.

6. Turn off tractor engine, and remove switch key before dismounting tractor.

7. Adjust tractor lower 3-point arm up on the side of the tractor that the scraper touched the 2x4 board first. If that arm is not adjustable, adjust the opposite lower 3-point arm down.

8. Return to the tractor seat and restart tractor. Repeat steps 5 thru 7 above until both side panels touch the 2x4 boards at the same time.

9. Once scraper is level left to right, raise scraper slightly to remove all weight off the 2x4 boards.

10. Turn tractor engine off, and remove switch key.

11. Remove 2x4 boards from both sides of scraper.

12. Without lowering the scraper, place a level (#2) on the shank beam running from front to back as shown.

13. Adjust tractor top center 3-point link to level scraper front to back as follows;

   • Lengthen center link to lower back of scraper until shank beam is level.
   • Shorten center link to raise back of scraper until shank beam is level.

NOTE: Through extensive research and testing, Land Pride has designed the optimum cutting angle into your Box Scraper. If needed, shorten top center link one-half turn at time to increase blade pitch.

14. Start tractor and lower scraper to the ground, or raise scraper up to transport to the work site.
Section 4: Maintenance

Maintenance
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.

Check all bolts after using the unit for several hours to be sure they are tight. Replace any worn, damaged, or illegible safety labels by obtaining new labels from your Land Pride dealer.

The parts on your Fixed Bar Box Scraper have been specially designed and should only be replaced with genuine Land Pride parts. Do not alter the scraper in a way which will adversely affect its performance.

DANGER
To avoid serious injury or death:
Make adjustments to the implement after it has been properly attached to a tractor and secured with solid non-concrete supports in the up position. Never work around or under equipment supported by hydraulics. Hydraulics can drop equipment instantly if controls are actuated or if hydraulic lines burst even when power to hydraulics is shut off.

WARNING
To avoid serious injury or death:
• Always keep your body extremities out from under the shanks and cutting blades while removing, installing, and adjusting them. It is possible for the cutting blades and/or shanks to fall causing injury to your body.
• 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.

Cutting Blades
Refer to Figure 4-1:
The front and rear cutting blades (#3) have two cutting edges. Replace cutting blades when both edges are worn out.

1. Unbolt front and rear cutting blades (#3) and turn them over when their bottom cutting edge wears out.
2. Inspect 5/8" -11 x 1 1/4" GR5 plow bolts (#1) and hex whiz nuts (#2) for wear. Replace as needed.
3. Reattach front and rear cutting blades (#3) with 5/8" -11 GR5 plow bolts (#1) and flange lock nuts (#2). Torque flange lock nuts to the correct torque.

Shank Tips
Refer to Figure 4-2:
Shank tips are removable by heating them in the dimpled area on both sides and knocking them off with a blunt punch. New shank tips need to be dimpled with a punch after they are installed. Use Land Pride shank tips only.
Long-Term Storage

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

1. Clean off any dirt that may have accumulated on the scraper and blades. Scrape off compacted dirt and then wash surfaces thoroughly with a garden hose.

2. Check grader blades and plow bolts for wear and replace if necessary. For additional instructions, see “Cutting Blades” on page 14.

3. Check for bent and sprung shanks. Bent shanks will be bent to one side. Sprung shanks will have shank tips lower than the other tips. Replace damaged shanks with genuine Land Pride shanks.

4. Check for loose and missing shank tips and shank tips with high wear. Replace tips as needed. For replacement instructions, see “Shank Tips” on page 14.

5. Inspect Box Scraper for loose, damaged, or worn parts. Adjust and tighten loose parts. When needed, replace parts with genuine Land Parts only.

6. 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.

7. A light coating of oil or grease may be applied to the lower Shank Bars, inside the mold board and inside the side panels in lieu of paint to minimize oxidation.

8. Replace all damaged or missing decals.

9. Store Box Scraper on a level surface in a clean, dry place. Inside storage will reduce maintenance and make for a longer scraper life.

Ordering Replacement Parts

Land Pride offers equipment in factory standard Beige with black highlights. This implement may also be purchased in Orange, Green, or Red.

When ordering an optional color, the suffix number corresponding to the color must be added at the end of the part number. Parts ordered without the suffix number will be supplied in factory standard colors.

82 . . . . . Orange
85 . . . . . Black

For example, if you are ordering a replacement part with part number 555-555C and the existing part is orange, then add the suffix 82 to the end of the number to make the part number read 555-555C82.

---

<table>
<thead>
<tr>
<th>Land Pride Touch-up Paint</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Part No.</strong></td>
</tr>
<tr>
<td>821-011C</td>
</tr>
<tr>
<td>821-066C</td>
</tr>
<tr>
<td>821-070C</td>
</tr>
</tbody>
</table>

---
## Section 5: Specifications & Capacities

**BB35 Series**

### Specifications & Capacities

<table>
<thead>
<tr>
<th>Model Numbers</th>
<th>Units</th>
<th>BB3578</th>
<th>BB3584</th>
<th>BB3596</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working width</td>
<td>inches (m)</td>
<td>78 (1.98)</td>
<td>84 (2.13)</td>
<td>96 (2.44)</td>
</tr>
<tr>
<td>Capacity</td>
<td>ft³ (m³)</td>
<td>30 (.85)</td>
<td>32 (.91)</td>
<td>37 (1.05)</td>
</tr>
<tr>
<td>Weight</td>
<td>lbs. (kg)</td>
<td>820 (371.9)</td>
<td>853 (386.9)</td>
<td>931 (422.3)</td>
</tr>
<tr>
<td>Number of shanks</td>
<td></td>
<td>7</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Shank material</td>
<td>inches (cm)</td>
<td>3/4 x 2 9/16 x 18 (1.9 x 6.5 x 45.7) heat treated spring steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vertical Shank positions</td>
<td>inches (cm)</td>
<td>4 - positions [2 (5.1) above, even, 2 (5.1) below &amp; 4 (10.2) below scraper end plates]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shank tip construction</td>
<td></td>
<td>Replaceable heat treated dimpled-on tips</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shank beam</td>
<td>inches (cm)</td>
<td>4 x 4 x 3/8 (10.2 x 10.2 x 1) Square Tubing with 1/2 x 1/2 (1.3 x 1.3) reinforced shank opening</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moldboard</td>
<td>inches (cm)</td>
<td>Formed moldboard - 23 (58.4) High</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Side Panels</td>
<td>inches (cm)</td>
<td>3/8 (1) thick x 23 (58.4) high x 36 (91.4) deep</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth of bucket</td>
<td>inches (cm)</td>
<td>22 (55.9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bucket reinforcement</td>
<td></td>
<td>Two braces extending from shank beam to rear of bucket, two horizontal gussets between the side panels and moldboard, and two vertical gussets between shank beam and side panels.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cutting blades</td>
<td>inches (cm)</td>
<td>2 ea. 1/2 x 6 (1.3 x 15.2) high carbon, heat treated cutting edges; reversible and replaceable. Backfill blade is standard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horsepower Requirement</td>
<td>hp (kW)</td>
<td>45-120 (33.6-89.5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A-frame hitch construction</td>
<td>inches (mm)</td>
<td>1/2 (13) HR A-frame plates</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-Point hitch type</td>
<td></td>
<td>Cat. I &amp; Cat.II Double strap lower clevises Fits Land Pride Quick Hitch</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

![Diagram of BB3578, BB3584, & BB3596 Fixed Bar Box Scraper](39259)
### BB35 Series

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3/8&quot; (10mm) Heavy side panels</strong></td>
<td>Built heavy to handle the tough jobs.</td>
</tr>
<tr>
<td><strong>Square tubing shank support</strong></td>
<td>Many competitors use angle iron. Box tubing is stronger.</td>
</tr>
<tr>
<td><strong>Clevis-type lower 3-point hitch</strong></td>
<td>Much stronger than pin type hitch.</td>
</tr>
<tr>
<td><strong>4 Position heat treated spring steel shanks</strong></td>
<td>Offers flexibility for deep to shallow settings and heat-treated for longevity.</td>
</tr>
<tr>
<td><strong>78&quot;, 84&quot;, &amp; 96&quot; Optional widths (1.98m, 2.13m, 2.44m)</strong></td>
<td>Available in different widths to meet customer needs.</td>
</tr>
<tr>
<td><strong>45 to 110 HP (33.6 to 82 kW) range</strong></td>
<td>Fits a wide variety of tractors.</td>
</tr>
<tr>
<td><strong>Formed moldboard</strong></td>
<td>Formed moldboard keeps materials flowing which puts less drag on the Box Scraper, resulting in lower HP requirements and faster working conditions.</td>
</tr>
<tr>
<td><strong>23&quot; (58.4cm) Moldboard height</strong></td>
<td>High material capacity.</td>
</tr>
<tr>
<td><strong>Moldboard</strong></td>
<td>Heavy moldboard with precise roll holds its shape under heavy loads.</td>
</tr>
<tr>
<td><strong>Heat-treated dimpled-on tips</strong></td>
<td>Easy to replace tips that are heat-treated for toughness.</td>
</tr>
<tr>
<td><strong>Heat-treated, reversible, and replaceable cutting blades</strong></td>
<td>Heat-treated for hardness. Reversible so both edges can be used before replacing the cutting blades.</td>
</tr>
<tr>
<td><strong>Rear backfill blade</strong></td>
<td>Rear backfill blade allows for backfilling trenches or foundations.</td>
</tr>
<tr>
<td><strong>Warranty</strong></td>
<td>One year parts &amp; labor.</td>
</tr>
<tr>
<td><strong>Category I &amp; II 3-point hitch with Quick Hitch capability</strong></td>
<td>Fits a wide variety of tractors. Quick Hitch capability allows for easy hook-up.</td>
</tr>
<tr>
<td><strong>Heavy 4&quot; x 4&quot; x 3/8&quot; (10.2cm x 10.2cm x 1cm) shank beam with 1/2&quot; x 1/2&quot; (1.3cm x 1.3cm) reinforced shank holes</strong></td>
<td>Reinforcement behind shanks where maximum pressure is applied adds additional strength to the shank tube.</td>
</tr>
<tr>
<td><strong>Strong box reinforcement</strong></td>
<td>Two welded channel braces extending from shank beam to rear of box plus four welded gussets between the side panels, moldboard, and shank beam provide exceptional strength for keeping the Box Scraper square under heavy loads.</td>
</tr>
</tbody>
</table>
## Torque Values Chart for Common Bolt Sizes

<table>
<thead>
<tr>
<th>Bolt Size (inches)</th>
<th>Grade 2</th>
<th>Grade 5</th>
<th>Grade 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot; - 20</td>
<td>7.4</td>
<td>5.6</td>
<td>11</td>
</tr>
<tr>
<td>1/4&quot; - 28</td>
<td>8.5</td>
<td>6</td>
<td>13</td>
</tr>
<tr>
<td>5/16&quot; - 18</td>
<td>15</td>
<td>11</td>
<td>24</td>
</tr>
<tr>
<td>5/16&quot; - 24</td>
<td>17</td>
<td>13</td>
<td>26</td>
</tr>
<tr>
<td>3/8&quot; - 16</td>
<td>27</td>
<td>20</td>
<td>42</td>
</tr>
<tr>
<td>3/8&quot; - 24</td>
<td>31</td>
<td>22</td>
<td>47</td>
</tr>
<tr>
<td>7/16&quot; - 14</td>
<td>43</td>
<td>32</td>
<td>67</td>
</tr>
<tr>
<td>7/16&quot; - 20</td>
<td>49</td>
<td>36</td>
<td>75</td>
</tr>
<tr>
<td>1/2&quot; - 13</td>
<td>66</td>
<td>49</td>
<td>105</td>
</tr>
<tr>
<td>1/2&quot; - 20</td>
<td>75</td>
<td>55</td>
<td>115</td>
</tr>
<tr>
<td>9/16&quot; - 12</td>
<td>95</td>
<td>70</td>
<td>150</td>
</tr>
<tr>
<td>9/16&quot; - 18</td>
<td>105</td>
<td>79</td>
<td>165</td>
</tr>
<tr>
<td>5/8&quot; - 11</td>
<td>130</td>
<td>97</td>
<td>205</td>
</tr>
<tr>
<td>5/8&quot; - 18</td>
<td>150</td>
<td>110</td>
<td>230</td>
</tr>
<tr>
<td>3/4&quot; - 10</td>
<td>235</td>
<td>170</td>
<td>360</td>
</tr>
<tr>
<td>3/4&quot; - 16</td>
<td>260</td>
<td>190</td>
<td>405</td>
</tr>
<tr>
<td>7/8&quot; - 9</td>
<td>225</td>
<td>165</td>
<td>585</td>
</tr>
<tr>
<td>7/8&quot; - 14</td>
<td>250</td>
<td>185</td>
<td>640</td>
</tr>
<tr>
<td>1&quot; - 8</td>
<td>340</td>
<td>250</td>
<td>875</td>
</tr>
<tr>
<td>1&quot; - 12</td>
<td>370</td>
<td>275</td>
<td>955</td>
</tr>
<tr>
<td>1-1/8&quot; - 7</td>
<td>480</td>
<td>355</td>
<td>1080</td>
</tr>
<tr>
<td>1-1/8&quot; - 12</td>
<td>540</td>
<td>395</td>
<td>1210</td>
</tr>
<tr>
<td>1-1/4&quot; - 7</td>
<td>680</td>
<td>500</td>
<td>1520</td>
</tr>
<tr>
<td>1-1/4&quot; - 12</td>
<td>750</td>
<td>555</td>
<td>1680</td>
</tr>
<tr>
<td>1-3/8&quot; - 6</td>
<td>890</td>
<td>655</td>
<td>1990</td>
</tr>
<tr>
<td>1-3/8&quot; - 12</td>
<td>1010</td>
<td>745</td>
<td>2270</td>
</tr>
<tr>
<td>1-1/2&quot; - 6</td>
<td>1180</td>
<td>870</td>
<td>2640</td>
</tr>
<tr>
<td>1-1/2&quot; - 12</td>
<td>1330</td>
<td>980</td>
<td>2970</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.
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

**Shanks:** 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 such as blades, belts, tines, etc. Land Pride reserves the right to inspect any equipment or parts which are claimed to have been defective in material or workmanship.

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

Claims under this Warranty 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 ____________________