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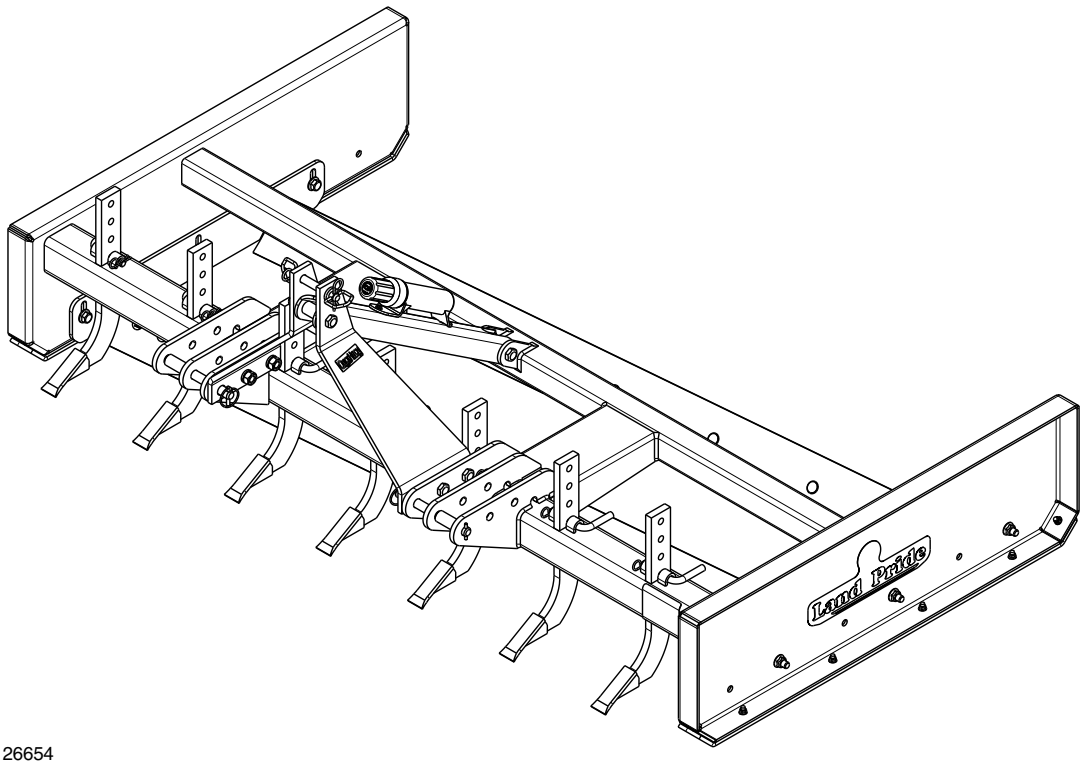
Grading Scrapers

GS2572, GS2584 & GS2596



26654

Pictured with optional Scarifier Shanks

303-268M
Operator's Manual

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

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

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

Printed 3/14/23

Machine Identification

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

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

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

Dealer Contact Information

Name: _____

Street: _____

City/State: _____

Telephone: _____

Email: _____

California Proposition 65

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

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Printed in the United States of America.

See previous page for Table of contents.

Parts Manual QR Locator

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

Dealer QR Locator

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

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

Safety at All Times

Careful operation is your best assurance against an accident.

All operators, no matter how much experience they may have, should carefully read this manual and other related manuals before operating the power machine and this 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 your 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 the implement and tractor while backing up to the implement.
- ▲ Keep hands, feet, and clothing away from power-driven parts.
- ▲ While transporting and operating equipment, watch out for objects overhead and along the sides such as fences, trees, buildings, wires, etc.
- ▲ Do not turn tractor so tight as to cause hitched implement to ride up on the tractor's rear wheel.
- ▲ Store implement in a safe and secure 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 and extra precaution must be taken. When you see this symbol, be alert and carefully read the message that follows it. Hazard control, and accident prevention are dependent upon the awareness, concern, prudence, and proper training of personnel involved in the operation, transport, maintenance, and storage of equipment.

Be Aware of Signal Words

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

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

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

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

Be Aware of Special Notices

Special notices are intended to point out important and helpful information that should be followed. They are usually placed inside a box. They are:

IMPORTANT: Indicates that equipment or property damage could result if instructions are not followed.

NOTE: Indicates supplementary explanations that will be helpful when using the equipment.

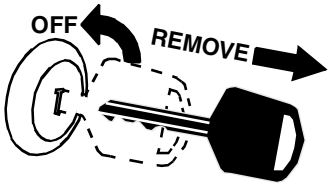
Safety Precautions for Children

Tragedy can occur if the operator is not alert to the presence of children, Children generally are attracted to 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

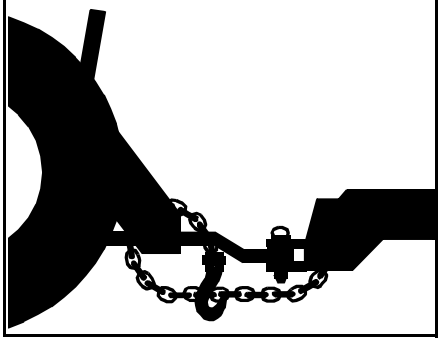
- ▲ If engaged, disengage power take-off.
- ▲ Park on solid, level ground and lower implement to ground or onto support blocks.
- ▲ Put tractor in park or set park brake.
- ▲ Turn off engine and remove ignition key to prevent unauthorized starting.
- ▲ Relieve all hydraulic pressure to auxiliary hydraulic lines.
- ▲ Wait for all components to stop before leaving operator's seat.
- ▲ Use steps, grab-handles and anti-slip surfaces when stepping on and off the tractor.



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

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.

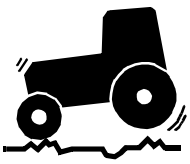


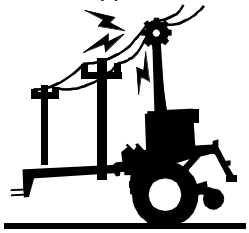
Transport Safely

- ▲ 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 unexpectedly. 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 on the “uphill” side.
- ▲ Engage park brake when stopped on an incline.
- ▲ Maximum transport speed for an attached equipment is 20 mph (32 km/h). 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 (32 km/h) when weight of attached equipment is less than or equal to the weight of machine towing the equipment.

  10 mph (16 km/h) 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.





Tire Safety

- ▲ Tire changing can be dangerous and must be performed by trained personnel using the correct tools and equipment.
- ▲ Always properly match the wheel size to the properly sized tire.
- ▲ Always maintain correct tire pressure. Do not inflate tires above recommended pressures shown in the Operator’s Manual.
- ▲ When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand to one side and NOT in front of or over the tire assembly. Use a safety cage if available.
- ▲ Securely support the implement when changing a wheel.
- ▲ When removing and installing wheels, use wheel handling equipment adequate for the weight involved.
- ▲ Make sure wheel bolts have been tightened to the specified torque.

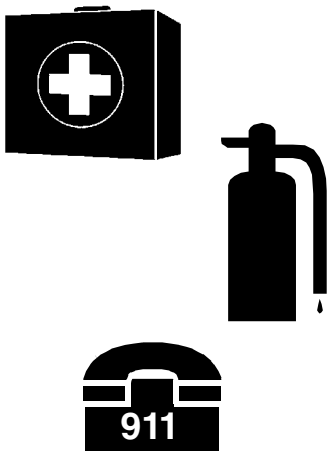
Practice Safe Maintenance

- ▲ Understand procedure before doing work. Refer to the Operator’s Manual for additional information.
- ▲ Work on a level surface in a clean dry area that is well-lit.
- ▲ Lower implement to the ground and follow all shutdown procedures before leaving the operator’s seat to perform maintenance.
- ▲ Do not work under any hydraulically supported equipment. It can settle, suddenly leak down, or be lowered accidentally. If it is necessary to work under the equipment, securely support it with stands or suitable blocking beforehand.
- ▲ Use properly grounded electrical outlets and tools.
- ▲ Use correct tools and equipment for the job that are in good condition.
- ▲ Allow equipment to cool before working on it.
- ▲ Disconnect battery ground cable (-) before servicing or adjusting electrical systems or before welding on 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.
- ▲ 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)

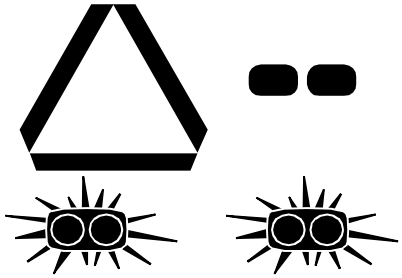
- ▲ Wear protective clothing and equipment appropriate for the job such as safety shoes, safety, glasses, hard hat, dust mask, and ear plugs.
- ▲ Clothing should fit snug without fringes and pull strings to avoid entanglement with moving parts.
- ▲ Prolonged exposure to loud noise can cause hearing impairment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

Avoid High Pressure Fluids

- ▲ Escaping fluid under pressure will penetrate the skin or eyes causing serious injury.
- ▲ Relieve all residual pressure before disconnecting hydraulic lines or performing work on the hydraulic system.
- ▲ Make sure all hydraulic fluid connections are properly tightened/torqued and all hydraulic hoses and lines are in good condition before applying pressure to the system.
- ▲ Use a piece of paper or cardboard, NOT BODY PARTS, to check for suspected leaks.
- ▲ Wear protective gloves and safety glasses or goggles when working with hydraulic systems.
- ▲ **DO NOT DELAY.** If an accident occurs, seek immediate emergency medical care or gangrene may result.

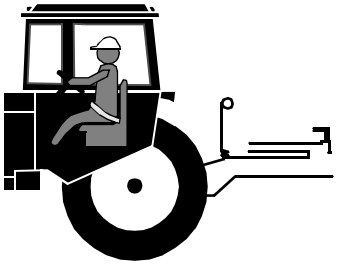
Use Safety Lights and Devices

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



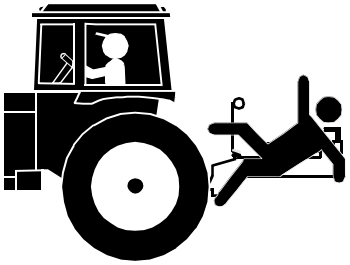
Use Seat Belt and ROPS

- ▲ 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 the tractor or implement to lift or transport riders.

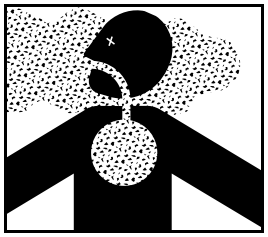


Listed below are common practices that may or may not be applicable to the products described in this manual.

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.

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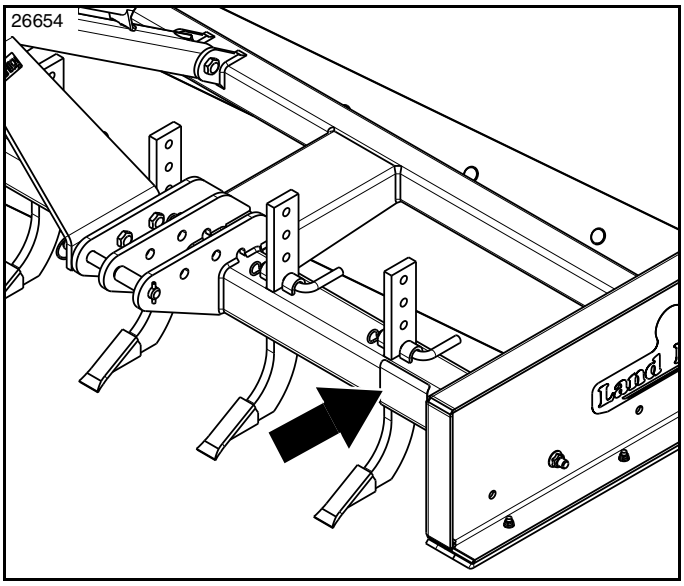
Safety Labels

Your Grading Scraper comes equipped with all safety labels in place. They were designed to help you safely operate your equipment. 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.*



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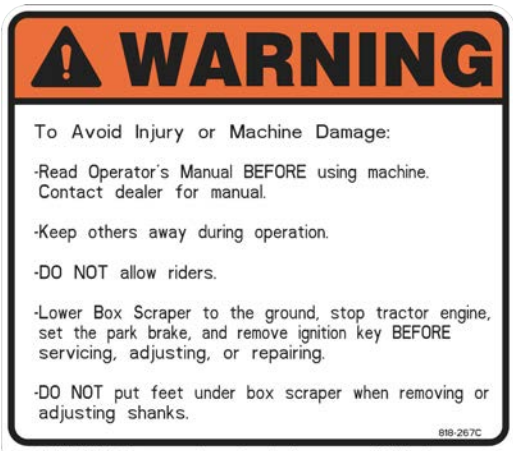
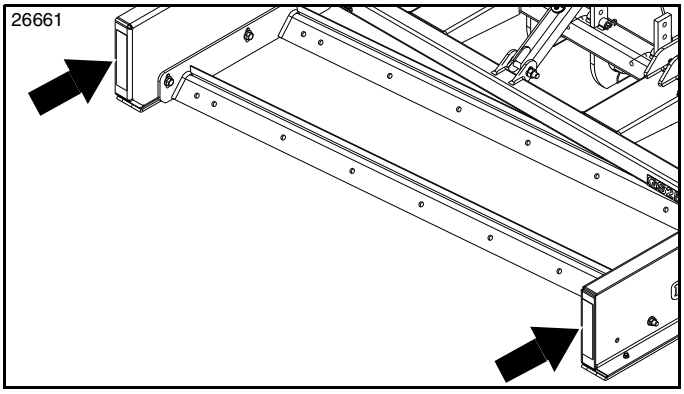
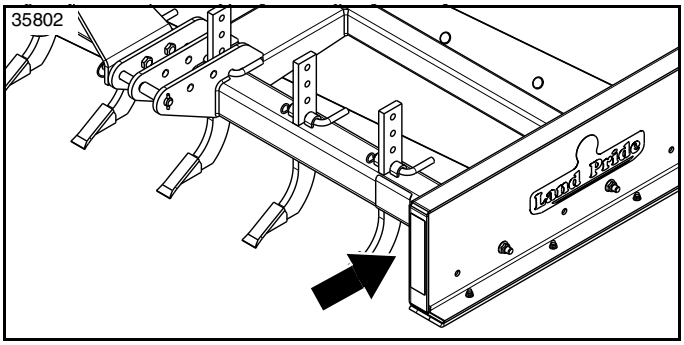


818-267C
Warning: Read Operator's Manual / Service hazard
1 Place: On the left front side of the main beam



838-614C
Red Reflector: 2" x 9"
2 Places: On the back end of the two side panels



73138

838-615C On GS2596 Only
Amber Reflector: 2" x 9"
1 Place: On the front end of the left side panel

Land Pride welcomes you to the growing family of new product owners. This Grading 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 implement.

Application

The Land Pride GS25 Series Grading Scrapers come in 72", 84", and 96" (183, 213, & 244 cm) working widths with a Category I & II 3-point hitch for attaching to tractors in the 40-90 hp (30-67 kW) working range. The hitch is also Quick Hitch compatible.

Grading Scrapers have uses and applications in landscaping, farms, ranches, construction sites, hunting camps, fishing camps, logging sites, mining operations, large estates, small acreages, sod farms, and municipal and county rural road maintenance facilities. These Grading Scrapers are uniquely designed to be extra user friendly and a low cost alternative for road grading applications. Unlike a box scraper, they are not designed to transfer large volumes of dirt from one location to another and as a result do not require the additional horsepower that a box scraper normally requires. Nor does it require the tending of tractor 3-point lift controls to maintain grade that a box scraper might require.

Simply setting a properly adjusted GS25 Series Grading Scraper on the ground and driving forward enables the operator to grade off high spots and fill in ruts and low spots on unimproved roads and lanes with little or no manipulation of the tractors 3-point hitch controls. Unlike a rear blade, they require no adjustment of blade angling or offset positions. The GS25 Series Grading Scraper simply and quickly moves dirt or aggregate from high spots to low spots. Should a large accumulation of unwanted buildup of soil or aggregate occur between the blades, initiating a slight raise on the tractors lift controls will allow excess material to flow out uniformly and evenly under the leveling scraper blades.

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 the direction the operator faces while sitting in the operator’s seat looking forward unless otherwise stated.

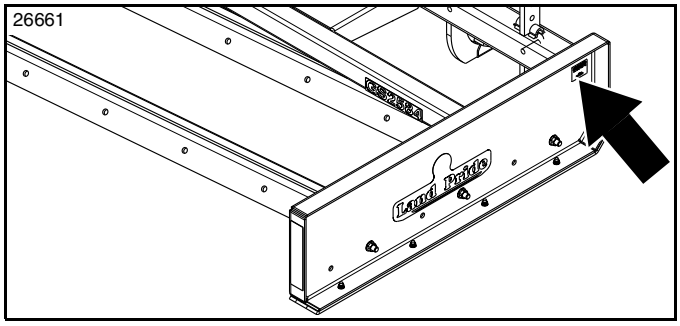
Owner Assistance

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

The parts on your Grading 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 this 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 Grading 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 question/problem, and request assistance.
3. For further assistance write to:

Land Pride Service Department
1525 East North Street

P.O. Box 5060
Salina, Ks. 67402-5060

E-mail address
lpservicedept@landpride.com

Tractor Requirements

Tractor horsepower should be within the range noted below. Tractors outside the horsepower range must not be used.

Required Horsepower Rating . . .40-90 hp (30-67 kW)
Hitch Type. . . . . 3 - Point Cat. I and Cat. II

WARNING

To avoid 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 weight requirements and maximum limitations.

Torque Requirements

Refer to **"Torque Values Chart"** on page 18 to determine correct torque values of fasteners during assembly.

Before You Start

Make sure the intended power machine conforms to the requirements provided on this page. Read and understand the operator's manual for your Grading Scraper. An understanding of how it works will aid in the assembly and setup of your scraper.

Dealer Preparations

This Grading Scraper has been partially assembled at the factory. Some additional preparations will be necessary to finish assembling the implement and to attach it to the customer's tractor. Make sure the intended tractor conforms to **"Tractor Requirements"** above.

An understanding of how this implement works will aid in final assembly and setup. Read and understand the Operator's Manual. Go through the **"Pre-Assembly Checklist"** on this page. To speed up the assembly task and make the job safer, have all needed parts and equipment readily at hand.

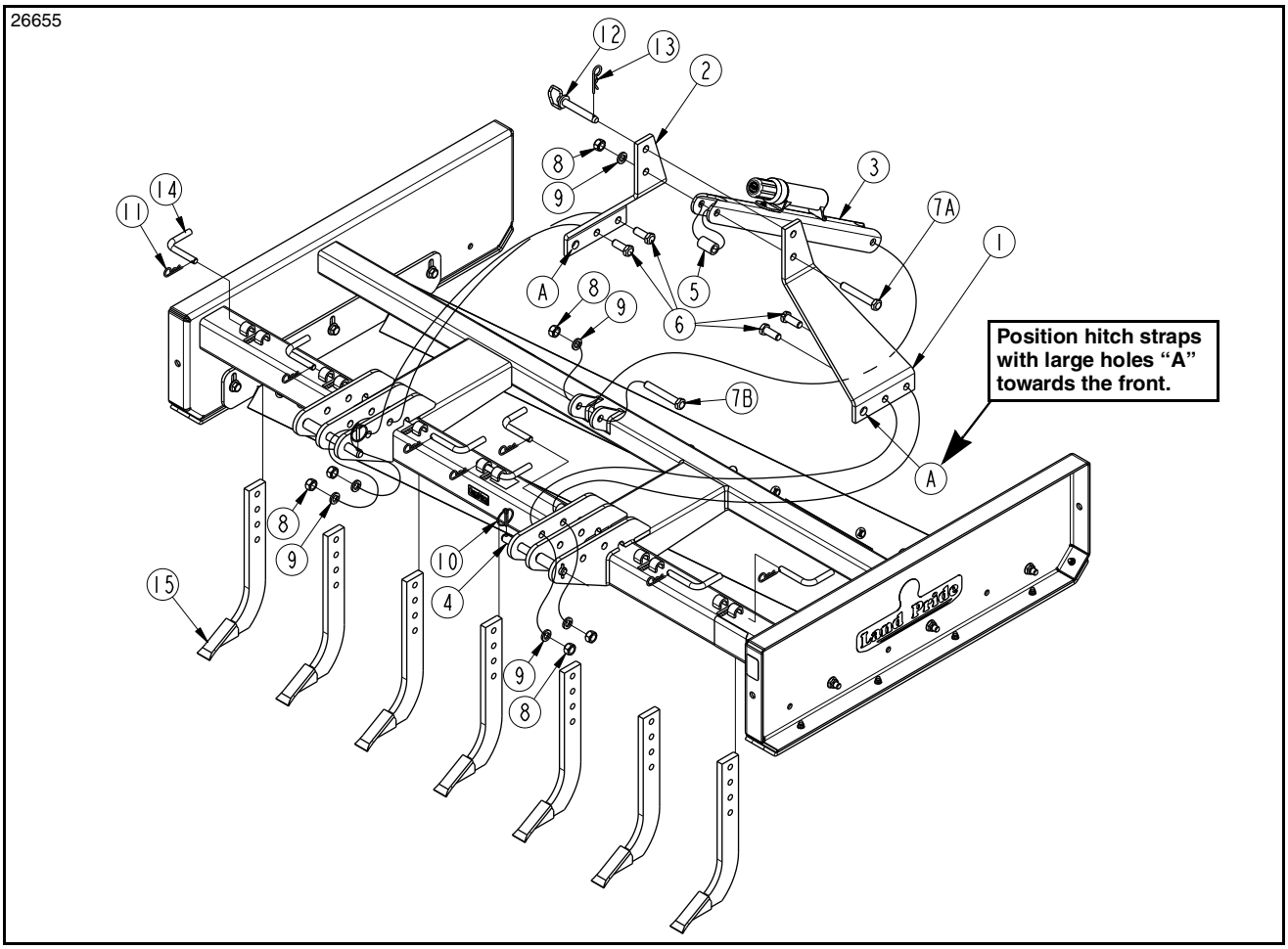
Pre-Assembly Checklist

	Check	Reference
☐	Have a forklift or loader with properly sized chains and safety stands capable of lifting and supporting the equipment on hand.	
☐	Have a minimum of two people available during assembly.	
☐	Make sure all major components and loose parts are shipped with the machine.	Operator's Manual
☐	Double check to make sure all parts, fasteners and pins are installed in the correct location. Refer to the Parts Manual if unsure. By double checking, you will lessen the chance of using a bolt incorrectly that may be needed later. **NOTE:** All assembled hardware from the factory has been installed in the correct location. Remember location of a part or fastener if removed during assembly. Keep parts separated.	Parts Manual 330-323P Operator's Manual 330-323M
☐	Make sure working parts move freely, bolts are tight & cotter pins are spread.	Operator's Manual
☐	Make sure all safety labels are correctly located and legible. Replace if damaged.	Page 6
☐	Make sure all red reflectors are correctly located and visible when machine is in transport position.	Page 6

Hitch Assembly

Refer to Figure 1-1 on page 9:

1. Remove linchpins (#10) from hitch pins (#4).
2. Position hitch straps (#1 & #2) with large holes (A) towards the front and mount large holes over end of hitch pins (#4).
3. Attach middle and rear holes in hitch straps to clevis plates with 3/4"-10 x 2" GR5 cap screws (#6), lock washers (#9), and hex nuts (#8) as shown. Do not tighten hardware at this time.
4. Reinsert linchpins (#10) and snap wire retainer over hitch pins to secure hitch pins.
5. Attach channel brace (#3) to rear mounting lugs with 3/4"-10 x 5" GR5 cap screw (#7B), lock washer (#9), and hex nut (#8). Do not tighten bolt at this time.
6. Attach channel brace (#3) and spacer (#5) to hitch straps (#1 & #2) as shown with 3/4"-10 x 5" GR5 cap screw (#7A), lock washer (#9), and hex nut (#8). Do not tighten hardware at this time.
7. Draw all six hex nuts (#8) up snug. Make certain hitch pins (#4) are loose in their holes. If hitch pin is tight, readjust hitch frames (#1 & #2) until loose and then tighten all six hex nuts (#8) to the correct torque.
8. Install 3/4" x 3 3/4" hitch pin (#12) to hitch straps and secure in place with hairpin cotter (#13).



Hitch and Shank Set-up
Figure 1-1

Shank Assembly (Optional)

Refer to Figure 1-1:

When possible, the shanks are shipped assembled to the Grading Scraper. Some shanks may need installation.

DANGER

To prevent 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 prevent serious injury or death:

- *Always keep your body extremities out from under the shanks while adjusting them. It is possible for the shanks to fall causing injury to your feet and/or legs.*
- *Keep clear of the shank slots while adjusting shank height. Shanks can pinch body parts in the slots during adjustments.*

Before installing shanks (#15), attach Grading Scraper to the tractor's 3-point hitch or raise front of scraper up and support it with blocks. See **"3-Point Hook-up"** on page 8.

1. Remove shanks (#15) from shipping crate and insert them into the front slots with tips pointing forward.
2. Secure shanks with lock pins (#14) and hairpin cotters (#11).

NOTE: See Section 2: Adjustments for shank depth.

3-Point Hook-up

Refer to Figure 1-2:

DANGER

To avoid serious injury or death:

A crushing hazard exists while Connecting and disconnecting 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:

- *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 weight requirements and maximum limitations.*
- *Always shut tractor down according to "Tractor Shutdown Procedure" provided in this manual before allowing anyone including the operator to hook up or unhook the implement.*

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 Category II 3-point hitch is required. The lower 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.

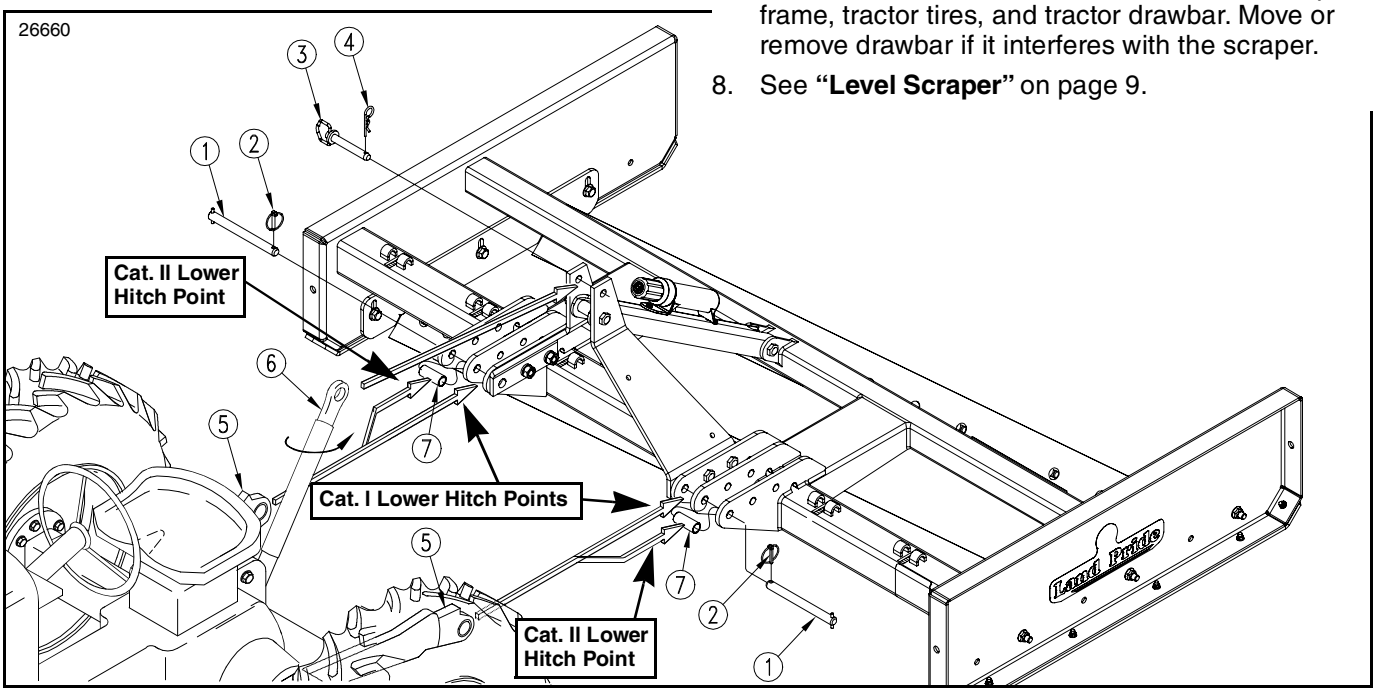
1. Determine your tractor's hitch category.
   a. A **Category I** tractor will have 7/8" dia. holes in the lower hitch links and 3/4" dia. hole in the top link.
   b. A **Category II** tractor will have 1 1/8" dia. holes in the lower hitch links and 1" dia hole in the top link.

NOTE: See Figure 1-2 below for correction location of Cat. I and Cat. II lower hitching points.

2. Slowly back tractor up to the Grading Scraper while using the tractor's 3-point hydraulic control to align lower hitch arm holes with lower hitch holes.
3. Engage tractor park brake, shut tractor engine off, and remove key before dismounting from tractor.
4. If your tractor has a Category II hitch, then insert 1 1/8" outside diameter bushings (#7) into the lower hitch arm holes before installing hitch pins (#1). Insert hitch pins (#1) through clevis lug holes and lower hitch arm holes as shown. Secure hitch pins with linchpins (#2)

NOTE: It may be necessary to start your tractor and slowly raise the 3-point hitch about 1" to 2" to align the center link with the center hitch pin hole.

5. Connect top center link (#6) to upper pivot hitch using clevis pin (#3) and hairpin cotter (#4). If your tractor hitch is a Category II hitch, then a 1" bushing (not supplied) will be required to make the center link hook-up.
6. Ensure that the lower hitch arms are stabilized to prevent excessive side movement.
7. Return to the tractor and slowly operate controls up and down to check for clearance between scraper frame, tractor tires, and tractor drawbar. Move or remove drawbar if it interferes with the scraper.
8. See **"Level Scraper"** on page 9.



Tractor 3-Point Hitch
Figure 1-2

Level Scraper

WARNING

To avoid serious injury or death:

Always keep your body extremities out from under the implement. Hydraulics can drop the implement if a line burst or if lift controls are accidentally actuated.

The Grading Scraper should be leveled from left to right and front to back.

1. Park tractor. See **"Tractor Shutdown Procedure"** on page 13
2. Manually adjust one lower lift arm on the tractor up or down to level the Grading Scraper from left to right.
3. Manually adjust length of top-center-link to level scraper from front to rear.

Blade Height Adjustment

Refer to Figure 2-1:

WARNING

To avoid serious injury or death:

Always keep your body extremities out from under the blade carrier when adjusting cutting blade height. The Blade carrier will fall while loosening its bolts.

NOTE: Cutting depth is vertical distance from bottom of skid shoe to bottom of cutting blades.

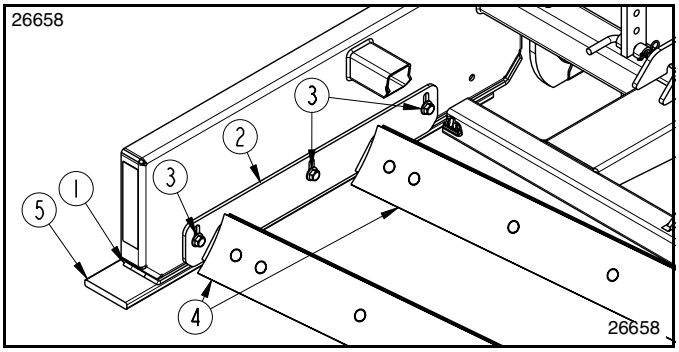
Blade carrier (#2) can be lowered or raised equally on both sides of the scraper to grade a surface level. Position cutting edges even with the bottom of skid shoes for non-aggressive grading action or adjust cutting edges downward to 1 1/2" (3.8 cm) cutting depth for highly aggressive cutting action. The most commonly used cutting depth is 1/4" (6 mm) below skid shoes.

Blade carrier (#2) can be lowered on the right side more than the left side to grade a crown in the middle of a roadway.

Initial Preparation

Refer to Figure 2-1:

1. Park Grading Scraper on a level hard surface such as a concrete pad. Place gear selector in park and/or set brakes.
2. Lower scraper until it is resting on the hard surface, shut engine off and remove switch key.
3. Loosen bolts (#3) on both ends of blade carrier (#2). Do not remove bolts (#3) or their nuts.
4. Restart tractor and raise scraper several inches off the hard surface using tractor 3-point control lever.
5. Shut tractor engine off and remove switch key.
6. Place one long shim (#5) equal in thickness to the cutting depth under each skid shoe (#1). Do not use shims if cutting depth is 0 inches.



Blade Height Adjustment (Left-Hand Side Shown)
Figure 2-1

Lower Cutter Blades

1. Complete **"Initial Preparation"** on this page.
2. Restart tractor and operate 3-point control lever to slowly lower skid shoes (#1) onto shims (#5).
3. Shut tractor engine off and remove switch key.
4. Make sure skid shoes (#1) are resting on shims (#5) and blades (#4) are resting on the hard surface at both ends of the scraper.
5. Tighten 5/8"-11 GR8 bolts (#3) to the correct torque.

Raise Cutter Blades

1. Complete **"Initial Preparation"** on this page.
2. Restart tractor and operate 3-point control lever to slowly lower scraper until skid shoes (#1) are resting on shims (#5). These shims should be thinner than current cutting depth.
3. Make sure skid shoes (#1) are resting on shims (#5) and cutter blades (#4) are resting on the hard surface at both ends of the scraper.
4. Tighten 5/8"-11 GR5 bolts (#3) to the correct torque.

Adjust Cutter Blades to Grade a Crown

1. Complete steps 1-5 under **"Initial Preparation"** on this page.
2. Place under the **left-hand skid shoe (#1) and cutter blades (#4)** a shim (#5) equal in thickness to the cutting depth.
3. Place under the **right-hand skid shoe (#1) (right-hand not shown)** a second shim (#5) equal to the thickness of the previous shim. Make sure this shim does not extend under the blade carrier frame (#2).
4. Restart tractor and operate 3-point control lever to slowly lower unit onto shims (#5)
5. On the left side, check to make sure skid shoes (#1) and cutter blades (#4) are resting on shim (#5).
6. On the right-hand side (not shown), check to make sure skid shoe (#1) is resting on shim (#5) and cutter blades (#4) are resting on the hard surface.
7. Tighten 5/8"-11 GR5 bolts (#3) to the correct torque.
8. Make all grading passes with middle-of-roadway on the left-hand side of the scraper.

Shank Height Adjustment

WARNING

To avoid serious injury or death:

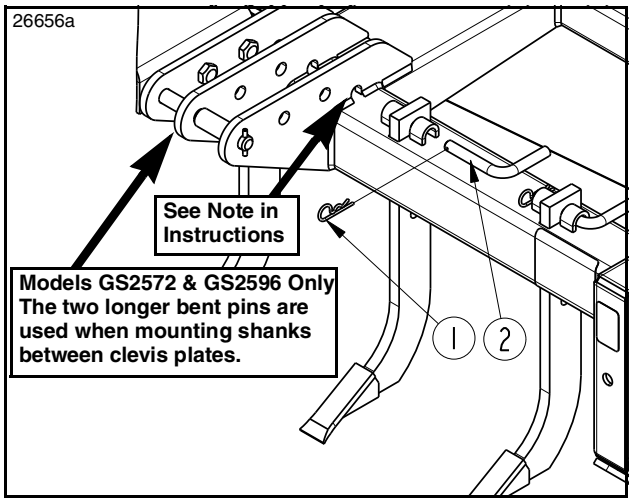
- *To prevent injury, make adjustments to the shank height after the implement has been properly hooked to a tractor.*
- *Always keep your body extremities out from under the shanks while adjusting them. It is possible for the shanks to fall causing injury to your feet and/or legs.*
- *Keep clear of the shank slots while adjusting shank height. Shanks can pinch body parts in the slots during adjustments.*

Refer to Figure 2-2:

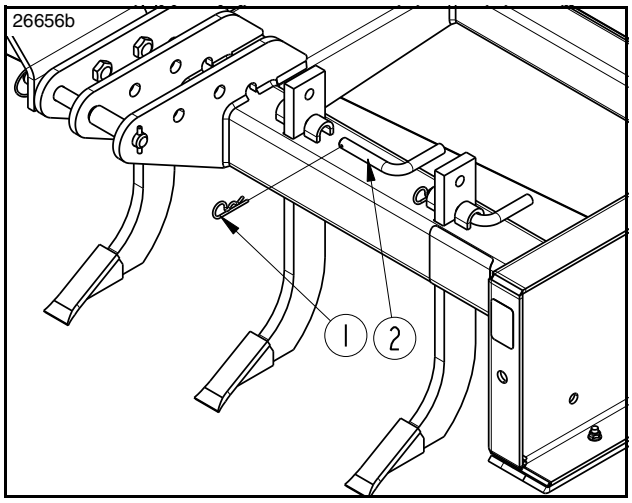
Shank settings are based on the vertical distance measured from bottom edge of skid shoes to bottom edge of shank tips.

NOTE: (GS2572 & GS2596 Only) Refer to "Top Hole" illustration below: Two of the bent pins (#2) supplied with model GS2596 only are 1" (2.5 cm) longer than the others. Use these two pins to mount shanks between 3-point clevis plates.

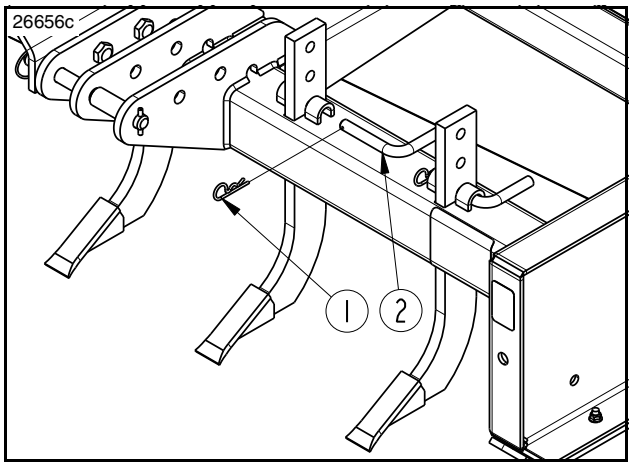
1. Hook Grading Scraper to a tractor with a category I or II 3-point hitch before adjusting shanks.
2. Adjust shank height by removing hairpin cotter (#1) and shank lock pin (#2).
3. Adjust shank up or down to the desired depth and then replace shank lock pins and hairpin cotter.



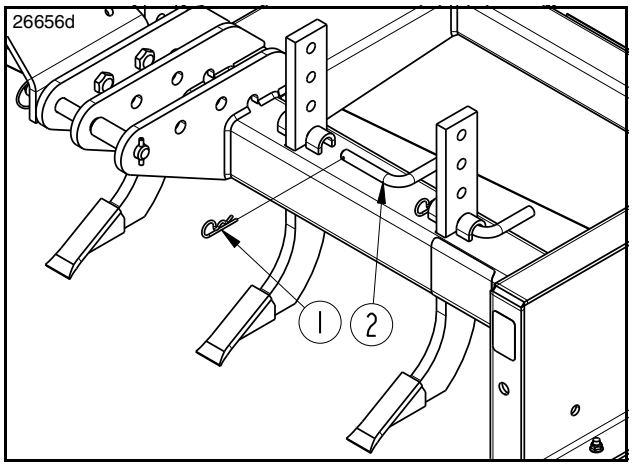
Top Hole
3 1/2" (8.9 cm) Below



Second Hole
1 1/2" (3.8 cm) Below



Third Hole
1/2" (1.3 cm) Above



Fourth Hole
2 1/2" (6.4 cm) Above

Shank Settings
Figure 2-2

Operating Checklist

Hazard control and accident prevention are dependent upon the awareness, concern, prudence, and proper training involved in the operation, transport, storage, and maintenance of the Grading Scraper. Therefore, it is absolutely essential that no one operates the Grading Scraper unless they 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**, pages 1
- **Section 1: Assembly & Set-up,** page 7
- **Section 2: Adjustments**, page 9
- **Section 3: Operating Instructions**, page 11
- **Section 5: Maintenance**, page 14

Perform the following inspections before using your Grading Scrapers.

Operating Checklist

✔	Check	Page
	Check 3-point hook-up procedure. Be sure all pins have been installed and are secured. Refer to "Section 1: Assembly & Set-up".	7
	All adjustments have been made and pins have been installed and are secured. Refer to "Section 2: Adjustments".	9
	The operator has read and understands how to operate the Grading Scraper. Refer to "Section 3: Operating Instructions".	11
	Check scraper initially and periodically for loose bolts and pins. Refer to "Torque Values Chart".	18

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 shut-off all power to the attachment.
2. Park tractor and attachment on solid, level ground.
3. Lower attachment until it is flat on the ground or on non-concrete support blocks.
4. Put tractor in park or set park brake, turn off engine, and remove ignition key to prevent unauthorized starting.
5. Relieve all hydraulic pressure to auxiliary hydraulic lines.
6. Wait for all components to come to a complete stop before leaving the operator's seat.
7. Use steps, grab-handles and anti-slip surfaces when stepping on and off the tractor.

Safety Information

DANGER

To avoid serious injury or death:

- *Allow only persons to operate this implement who have fully read and comprehended this manual, and who have been properly trained in the safe operation of this implement. Serious injury or death can result from the inability to read, understand, and follow instructions provided in this manual.*
- *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 they are operating. Stop operation if bystanders are too close. They can be hit by flying projectiles, become entangled in the equipment, or ran over.*
- *Always secure equipment with solid, non-concrete supports before working under it. Never go under equipment supported by concrete blocks or hydraulics. Concrete can break, hydraulic lines can burst, and/or hydraulic controls can be actuated even when power to the hydraulics is off.*

WARNING

To avoid serious injury or death:

- *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.*
- *Allow only persons to operate this implement who have fully read and comprehended this manual, and who have been properly trained in the safe operation of this implement. Serious injury or death can result from the inability to read, understand, and follow instructions provided in this manual.*
- *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 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.*
- *Perform scheduled maintenance. Check for loose hardware, missing parts, broken parts, structural cracks, and excessive wear. Make repairs before putting the implement back into service.*

- *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.*
- *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 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) or local utility companies 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.*
- *Avoid exposure to dust containing crystalline silica particles. This dust can cause serious injury to the lungs (silicosis). 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.*

Transporting

WARNING

To avoid serious injury or death:

- *When traveling on roadways, transport in such a way that other vehicles may pass you 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.*
- *Make sure implement does not block tractor's Slow Moving Vehicle (SMV) sign when transporting on a public road. If operators in vehicles approaching from the back cannot easily see the sign, then install one on the implement that is visible to warn of your presence.*
- *Select a safe ground speed that will allow adequate control of steering and stopping. Never exceed 20 mph (32 km/h) with attached equipment. Rough terrain requires a slower speed.*
- *Reduce ground speed when turning and leave enough clearance to avoid making contact with obstacles such as buildings, trees, fences, etc.*

1. Select a safe ground speed when transporting from one area to another. Maximum transport speed for the Grading Scraper is 20 mph. **DO NOT EXCEED**.
1. Be sure to reduce tractor ground speed when turning; and leave enough clearance so the Grading 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.

General Operating Instructions

By now you should have read the operator's manual and properly attached your GS25 Series Grading Scraper to your tractor's 3-point hitch. Whether you have chosen our GS2572, GS2584 or GS2596, the working or grading principals are the same. Your two grading blades should be properly adjusted within the frame to achieve the desired effect. This may take a little experimentation to get your adjustments set just right depending on local surface conditions in the area to be graded. Simply lower your Grading Scraper until the left and right end skid shoes are firmly in contact with the ground, then begin driving forward.

Your two scraper blades should immediately begin grading or shaving off high spots on the surface and allowing dirt or aggregate material to flow under the blades to fill in low spots. The lower the blades are set, the more aggressive the cutting and grading action will be. Depending on blade settings and surface conditions, a build up may occur between the blades. This is no cause for concern as simply raising the scraper slightly with the 3-point hitch control lever will allow excess material to flow out under the blades in an even and level fashion. If an unwanted accumulation continues to occur between the blades you may want to first adjust the rear blade upward a bit our raise both blades if the unwanted condition persists.

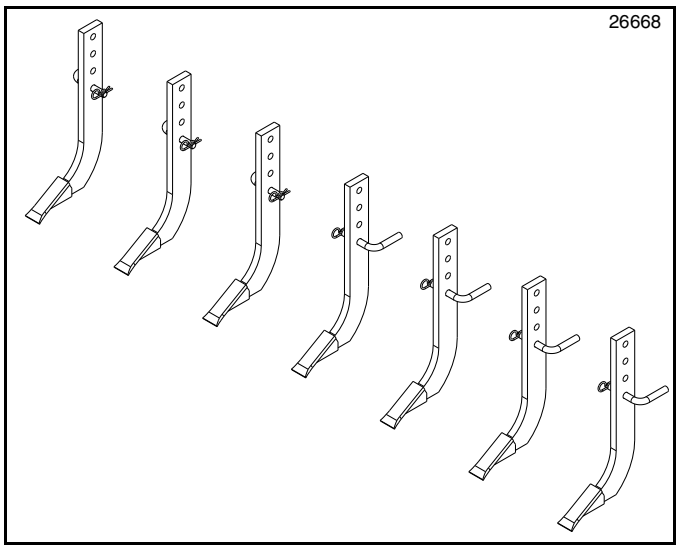
If surface conditions are such that the blades are unsuccessful in shaving off high spots on a hard-packed surface, begin lowering the optional scarifiers into working position to a depth that enables you to achieve the desired effect. The Land Pride 25 Series Grading Scrapers are very user friendly attachments and with a little practice you should begin achieving excellent results.

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

Scarifier Shanks

Refer to Figure 4-1:

Land pride offers an option for adding scarifier shanks to your Grading Scraper for breaking up soil ahead of the grader blades. The shanks can be adjusted from 2 1/2" (6.4 cm) above the skid shoes to 3 1/2" (8.9 cm) below the skid shoes in 2" (5.1 cm) increments.



GS2584 - 7 Shank Option Shown
Figure 4-1

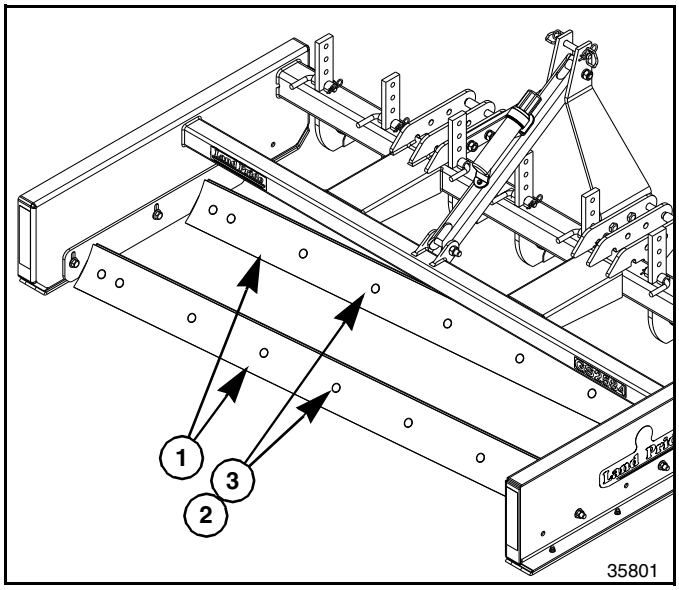
Part Number & Description

303-462A	PACKAGE, GS2572 6 SHANK OPTION
303-261A	PACKAGE, GS2584 7 SHANK OPTION
303-260A	PACKAGE, GS2596 8 SHANK OPTION

Rear Mounted Cutting Blades

Refer to Figure 4-2:

An additional set of cutter blades (#1) with mounting hardware (#2 & #3) can be purchased through parts and attached to the back side of blade carriers on Grading Scrapers with serial number 825918 and higher. This will allow the grading scraper to be used while traveling forward and when backing-up.



Rear Mounting Cutting Blades
Figure 4-2

Part Number & Description

NOTE: Grader Blade Kit includes 1 Grader Blade and required mounting hardware for the blades.

303-364A	72" (183 cm) GRADER BLADE KIT
303-365A	84" (213 cm) GRADER BLADE KIT
303-366A	96" (244 cm) GRADER BLADE KIT

Maintenance

Proper servicing and adjustment 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.

DANGER

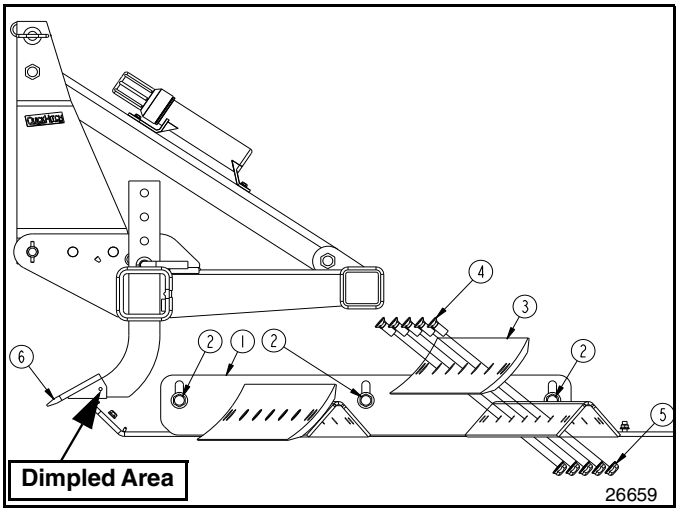
To avoid serious injury or death:

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:

- *Allow only persons to perform maintenance on this implement who have been properly trained in its safe operation.*
- *Make sure controls are all in the neutral position or park before starting the power machine.*
- *Always shut tractor down using "Tractor Shutdown Procedure" provided in this manual before servicing, adjusting, cleaning, or maintaining this implement.*
- *Perform scheduled maintenance. Check for loose hardware, missing parts, broken parts, structural cracks, and excessive wear. Make repairs before putting the implement back into service.*
- *Do not alter implement or replace parts on the implement with other brands. Other brands may not fit properly or meet OEM (Original Equipment Manufacturer) specifications. They can weaken the integrity and impair the safety, function, performance, and life of the implement. Replace parts only with genuine OEM parts.*
- *Always 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.*



Cutting Blade and Shank Tip Removal
Figure 5-1

Cutting Blades

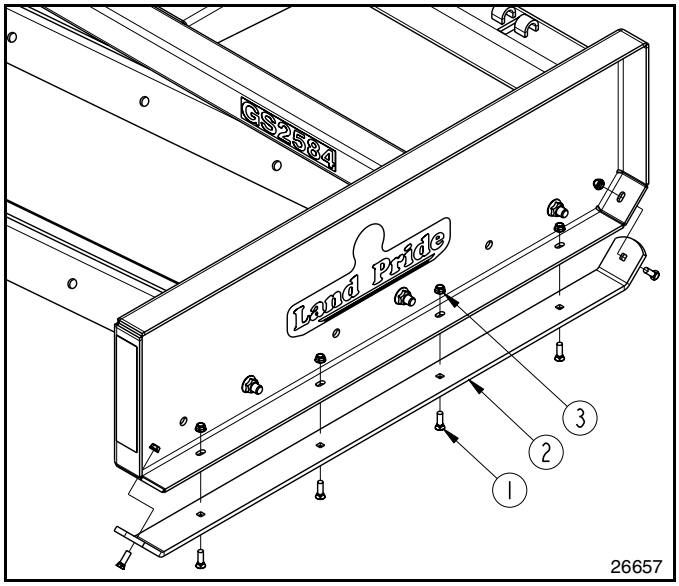
Refer to Figure 5-1:

The front mounted and optional rear mounted cutting blades (#3) have two cutting edges. Unbolt blades and turn them over when bottom edges wear out. Inspect 5/8"-11 GR5 plow bolts (#4) and nuts (#5) for wear and replace as needed. Reattach blades and tighten to the correct torque. Replace cutting blades when both edges are worn out.

Shank Tips

Refer to Figure 5-1:

Shank tips (#6) 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.



Skid Shoe Maintenance
Figure 5-2

Skid Shoes

Skid shoes should be inspected at the beginning of each season and replaced when material thickness is less than 1/8" (3 mm) at any point. The skid shoe may be turned around to extend its wear life if one end is wearing faster than the other.

Order only genuine Land Pride parts from your local Land Pride dealer when replacing skid shoe components.

Replace or turn skid shoe around as follows:

Refer to Figure 5-2:

1. Raise Grading Scraper 3" (7.6 cm) or more off the ground and place support blocks under the scraper. Make sure support blocks are positioned so they will not interfere with skid shoe replacement.
2. Lower scraper onto support blocks, place tractor in park, set park brakes, shut tractor engine off and remove switch key.
3. Remove 3/8" hex flange locknuts (#3), 3/8"-16 plow bolts (#1), and skid shoe (#2) from scraper.
4. Plow bolts should be checked for wear and replaced if necessary.
5. Turn old skid shoe around or install new skid shoe to scraper with 3/8"-16 x 1" GR5 plow bolts (#1) and 3/8" hex flange locknuts (#3). Tighten locknuts (#4) to the correct torque.
6. Raise scraper up and remove support blocks.

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 ensure the unit is ready for field use the next time you hook-up to it.

1. Clean off any dirt and grease that may have accumulated on the scraper. Scrape off compacted dirt from the bottom of frame and then wash surface thoroughly with a garden hose. A coating of oil may also be applied to the lower frame area to minimize oxidation.
2. Inspect Grading Scraper for loose, damaged, or worn parts and adjust or replace as needed.

Repaint parts where paint is worn or scratched to prevent rust. Ask your Land Pride dealer for aerosol touch-up paint. They are also available in touch-up bottles with brush, quarts, and gallon sizes by adding TU, QT, or GL to the end of the aerosol part number.

Land Pride Touch-up Paint

Part No.	Part Description
821-011C	PAINT LP BEIGE SPRAY CAN
821-066C	PAINT ORANGE SPRAY CAN
821-070C	PAINT GP GLOSS BLACK SPRAY CAN

3. Replace all damaged or missing decals.
4. Store 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 is also available in Orange.

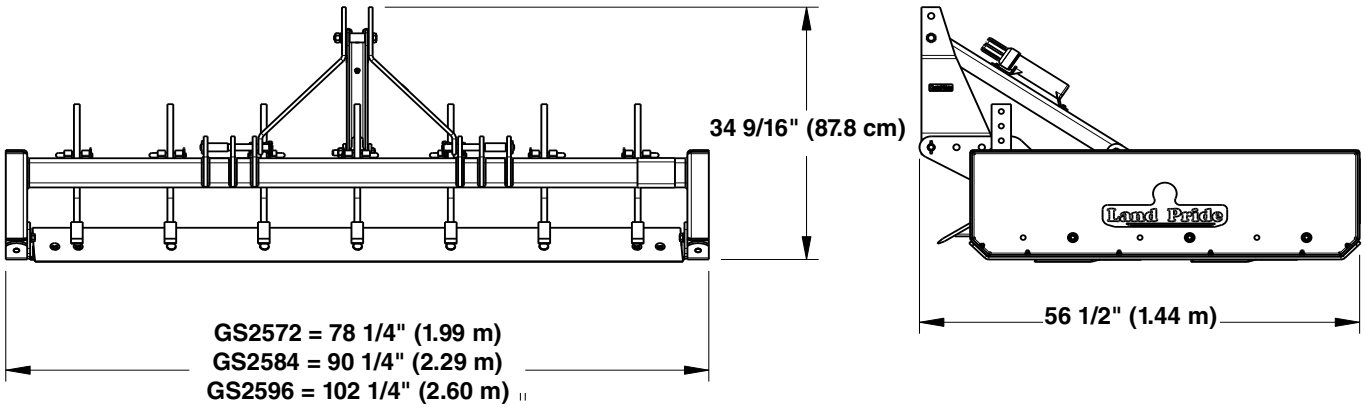
When ordering an optional color, the suffix number corresponding to the color must be added at the end of the part number. Parts ordered without the suffix number will be supplied in factory standard colors.

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.

GS25 Series

Specifications & Capacities			
Model Numbers	**GS2572**	**GS2584**	**GS2596**
Working Width	72" (1.83 m)	84" (2.13 m)	96" (2.44 m)
Overall Width	78 1/4" (1.99 m)	90 1/4" (2.29 m)	102 1/4" (2.60 m)
Number of Scarifier Shanks	6	7	8
Tractor horsepower Requirement	40-90 hp (29.8-67.1 kw)	40-90 hp (29.8-67.1 kw)	40-90 hp (29.8-67.1 kw)
Unit Weight with Shanks	774 lbs (351.1 kg)	846 lbs (383.7 kg)	917 lbs (415.9 kg)
Overall Length	56 1/2" (1.44 m)		
Overall Height	34 9/16" (87.8 cm)		
Side Panel Height	14 5/8" (37.1 cm)		
Side Panel Length	50" (1.27 m)		
Side Panel Thickness Tractor	1/4" (6 mm) Thick with 2 3/4" (7.0 cm) formed edges.		
Front Main Beam & Scarifier Support.	4"x 4" x 5/16" (10.2 cm x 10.2 cm x 0.8 cm) Reinforced heavy wall tubing.		
Rear Beam Construction	3"x 3"x 3/16" (7.6 cm x 7.6 cm x 0.5 cm) Heavy wall tubing.		
Skid Shoe Dimensions	3/8" (10 mm) Thick x 2 3/4" (7.0 cm) wide x 50 1/4" (1.28 m) long.		
Skid Shoe Material	Constructed of high carbon steel		
Scarifier Shank Construction - Optional	Heat treated 4-position shank with dimpled-on hardened tips.		
Cutting Edges	Two 1/2" x 6" (1.3 cm x 15.2 cm) high carbon heat treated blades that are reversible and replaceable.		
Cutting Edge Placement	Two parallel grading blades positioned at a 5 degree grading angle with 20" (50.8 cm) fore and aft spacing in between leading edges.		
Cutting Edge Adjustment	Infinite vertical adjustment from level grade to 1 1/2" (3.8 cm) below grade.		
Shank Adjustments	3 1/2" and 1 1/2" (8.9 cm and 3.8 cm) below grade level. 1/2" and 2 1/2" (1.3 cm and 6.4 cm) above grade level.		
Lower Draft Link Attachment	Clevis type		
Hitch Type	Category I & II 3-point hitch Category I & II Quick Hitch Compatible		
Color Selections	Land Pride Beige or Orange		



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GS25 Series

Features	Benefits
Cat. I and Cat.II Quick Hitch compatible. Has lower hitch clevis type mountings.	Makes for faster and easier hookup to the tractor.
40-90 hp requirements	Makes it compatible with many popular smaller sized and properly ballasted compact utility tractors in use today.
Dual adjustable height grading blades and optional 4-position scarifier shanks.	Allows the scraper to be adjusted to desired amount of cultivation, leveling, and grading action.
Reversible heat treated high carbon steel grading blades.	For excellent wear resistance and long service life.
Hardened tips on optional scarifier shanks.	Assures long service life.
Replaceable and full length heavy gauge skid shoes.	Makes for easier operation and long unit life.
Skid shoes are constructed of high carbon steel	Extends the wear life of the skid shoes.
Reversible skid shoes	Extends the life of the skid shoes.
Heavy duty frame construction.	Assures long lasting reliability and performance.
Available in Land Pride Beige or Orange Paint.	To meet customers preference.

Torque Values Chart for Common Bolt Sizes

Bolt Size (inches)	Bolt Head Identification Grade 2		Grade 5		Grade 8	
in-tpi [1]	N · m [2]	ft-lb [3]	N · m	ft-lb	N · m	ft-lb
1/4" - 20	7.4	5.6	11	8	16	12
1/4" - 28	8.5	6	13	10	18	14
5/16" - 18	15	11	24	17	33	25
5/16" - 24	17	13	26	19	37	27
3/8" - 16	27	20	42	31	59	44
3/8" - 24	31	22	47	35	67	49
7/16" - 14	43	32	67	49	95	70
7/16" - 20	49	36	75	55	105	78
1/2" - 13	66	49	105	76	145	105
1/2" - 20	75	55	115	85	165	120
9/16" - 12	95	70	150	110	210	155
9/16" - 18	105	79	165	120	235	170
5/8" - 11	130	97	205	150	285	210
5/8" - 18	150	110	230	170	325	240
3/4" - 10	235	170	360	265	510	375
3/4" - 16	260	190	405	295	570	420
7/8" - 9	225	165	585	430	820	605
7/8" - 14	250	185	640	475	905	670
1" - 8	340	250	875	645	1230	910
1" - 12	370	275	955	705	1350	995
1-1/8" - 7	480	355	1080	795	1750	1290
1-1/8" - 12	540	395	1210	890	1960	1440
1-1/4" - 7	680	500	1520	1120	2460	1820
1-1/4" - 12	750	555	1680	1240	2730	2010
1-3/8" - 6	890	655	1990	1470	3230	2380
1-3/8" - 12	1010	745	2270	1670	3680	2710
1-1/2" - 6	1180	870	2640	1950	4290	3160
1-1/2" - 12	1330	980	2970	2190	4820	3560

Bolt Size (Metric)	Bolt Head Identification 5.8 Class 5.8		8.8 Class 8.8		10.9 Class 10.9	
mm x pitch [4]	N · m	ft-lb	N · m	ft-lb	N · m	ft-lb
M 5 X 0.8	4	3	6	5	9	7
M 6 X 1	7	5	11	8	15	11
M 8 X 1.25	17	12	26	19	36	27
M 8 X 1	18	13	28	21	39	29
M10 X 1.5	33	24	52	39	72	53
M10 X 0.75	39	29	61	45	85	62
M12 X 1.75	58	42	91	67	125	93
M12 X 1.5	60	44	95	70	130	97
M12 X 1	90	66	105	77	145	105
M14 X 2	92	68	145	105	200	150
M14 X 1.5	99	73	155	115	215	160
M16 X 2	145	105	225	165	315	230
M16 X 1.5	155	115	240	180	335	245
M18 X 2.5	195	145	310	230	405	300
M18 X 1.5	220	165	350	260	485	355
M20 X 2.5	280	205	440	325	610	450
M20 X 1.5	310	230	650	480	900	665
M24 X 3	480	355	760	560	1050	780
M24 X 2	525	390	830	610	1150	845
M30 X 3.5	960	705	1510	1120	2100	1550
M30 X 2	1060	785	1680	1240	2320	1710
M36 X 3.5	1730	1270	2650	1950	3660	2700
M36 X 2	1880	1380	2960	2190	4100	3220

[1] in-tpi = nominal thread diameter in inches-threads per inch

[2] N· m = newton-meters

[3] ft-lb= foot pounds

[4] mm x pitch = nominal thread diameter in millimeters x thread pitch

Torque tolerance + 0%, -15% of torquing values. Unless otherwise specified use torque values listed above.
All locknuts or lubricated fasteners: Use 75% of torque value. (i.e. 1/2"-13 GR5 = 76 ft-lb; 75% of 76 or .75 x 76 = 57 ft-lb)

Warranty

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

Overall Unit: One year Parts and Labor

Scarifier Shanks, Skid Shoes & Cutting Blades: Considered wear items.

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

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

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

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

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

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

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

Model Number _____ **Serial Number** _____

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