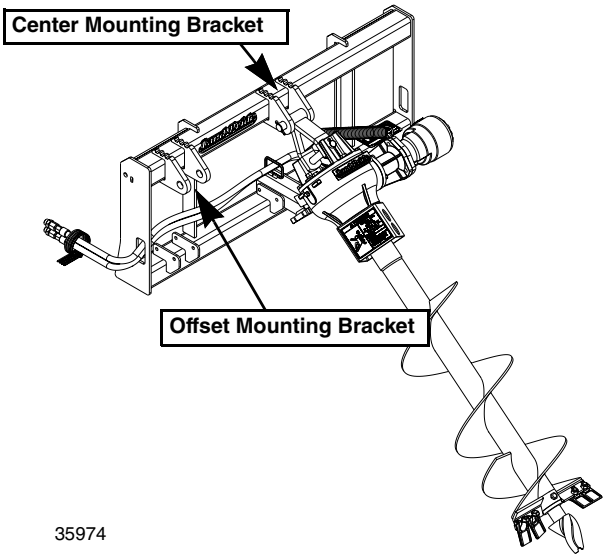
Table of Contents

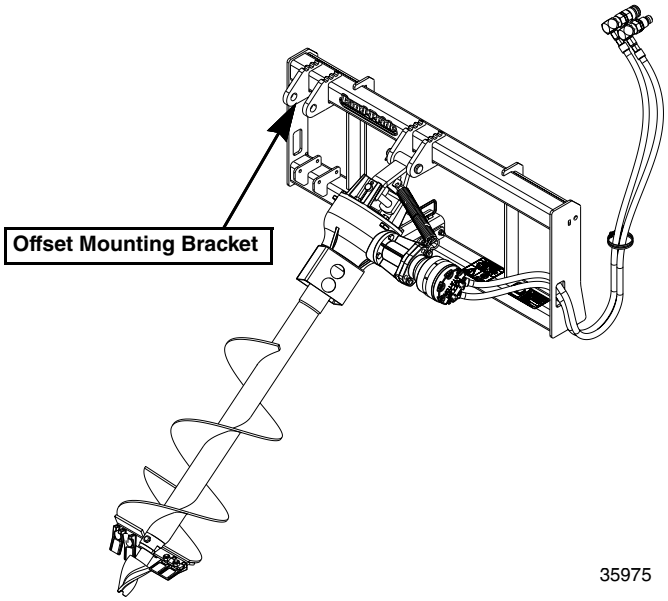
Hydraulic Post Hole Diggers

HD25 and HD35



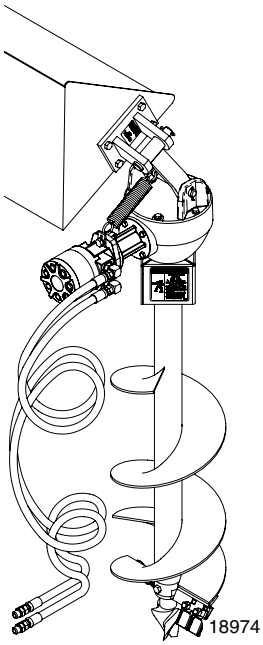
35974

Front Loader Mount for Tractors



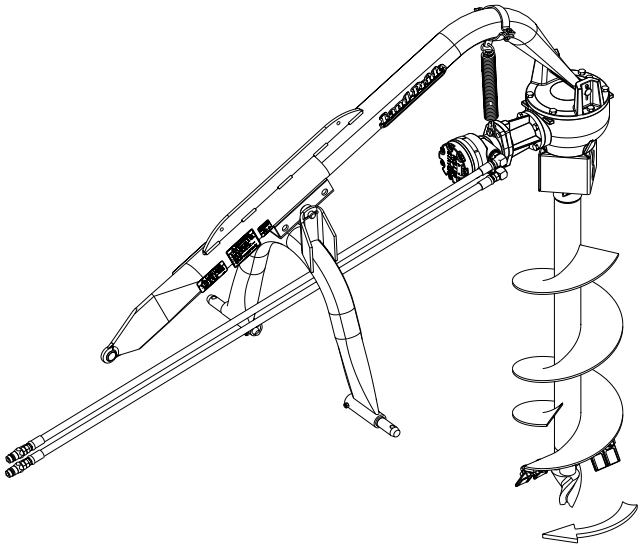
35975

Skid Steer Mount for Skid Steers



18974

Bucket Mount



3-Point Mount

35989

317-076M
Operator's Manual

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

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

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

Printed 1/3/24

Machine Identification

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

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

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

Dealer Contact Information

Name: _____

Street: _____

City/State: _____

Telephone: _____

Email: _____

California Proposition 65

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

Important Safety Information 1
Safety at All Times 1
Look for the Safety Alert Symbol 1
Safety Labels 6
Introduction 12
Application 12
Using This Manual 12
Owner Assistance 12
Serial Number 12
Further Assistance 12
Section 1: Assembly & Set-up 13
Skid Steer/Tractor Requirements 13
Torque Requirements 13
Before You Start 13
Dealer Preparations 13
Power Machine Shutdown Procedure 13
HD 3-Point Mount Assembly 14
HD Bucket Mount Assembly 15
Skid/Loader Mount Assembly 16
Center Mount & Offset Mount 16
Skid/Loader Hose Assembly 17
Center/Offset Mount for Tractors 17
Center/Offset Mount for Skid Steers 17
Auger Assembly 18
Hook-up 3-Point Mount 18
Unhook 3-Point Mount 19
Hook-up Bucket Mount 20
Unhook Bucket Mount 20
Hook-up Skid/Loader Mount 21
Unhook Skid/Loader Mount 21
Hydraulic Hook-up to Tractor 22
Hydraulic Hook-up to Skid Steer 23
Check Post Hole Digger Clearance 24
Section 2: Adjustments 25
Post Hole Digging Depth 25
Section 3: Operating Instructions 26
Operator's Responsibilities 26
Safety Information 26
Dual-Angle Pengo Teeth 27
Transport With Post Hole Digger 28
Operating Instructions 28
General Operation 29
Section 4: Options & Accessories 30
Dirt Augers (Option) 30
Tree Auger (Option) 30
Auger Extensions (Option) 30
Auger Adapter (Accessory) 30
Dirt & Tree Auger Teeth (Wear Part) 30
Dirt Auger Points (Wear Part) 30
Rock Augers (Option) 31
Rock Auger Teeth 31
HD25/35 3-Point Down Pressure Kit 32
Down Pressure Kit Assembly 32
Adjust Down Pressure Kit 34
Stand for 3-point Mounted Diggers 35
HD 3-Point Mount Assembly 37
HD Bucket Mount Assembly 37
Tractor Front Loader Mount 38
Skid Steers/Track Loader Mount 38
HD25/35 QA Mount (Accessory) 39
Slow Moving Vehicle Sign Accessory 39
Section 5: Maintenance & Lubrication 40
General Maintenance Information 40
Safety Information 40
Daily Inspections 40
Long-Term Storage 41
Ordering Replacement Parts 41
Lubrication Points 42
Gearbox Input and Output Shafts 42
Gear Lube Fluid Level 42
Section 6: Specifications & Capacities 44
Section 7: Features & Benefits 47
Section 8: Troubleshooting 48
Section 9: Torque Values Chart 50
Section 10: Warranty 51

Please take our Customer Satisfaction SURVEY at landpride.com

© Copyright 2024 All rights Reserved

Land Pride provides this publication "as is" without warranty of any kind, either expressed or implied. While every precaution has been taken in the preparation of this manual, Land Pride assumes no responsibility for errors or omissions. Neither is any liability assumed for damages resulting from the use of the information contained herein. Land Pride reserves the right to revise and improve its products as it sees fit. This publication describes the state of this product at the time of its publication, and may not reflect the product in the future.

Land Pride is a registered trademark.

All other brands and product names are trademarks or registered trademarks of their respective holders.

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 attachment.

- ▲ Thoroughly read and understand the “Safety Label” section. Read all instructions noted on them.
- ▲ Do not operate the equipment while under the influence of drugs or alcohol, as they impair your ability to safely and properly operate the equipment.
- ▲ Operator should be familiar with all functions of the tractor/skid steer and attachment and be able to handle emergencies quickly.
- ▲ Make sure all guards and shields appropriate for the operation are in place and secured before operating the attachment.
- ▲ Keep all bystanders away from equipment and work area.
- ▲ Start tractor/skid steer from the driver’s seat with steering levers and hydraulic controls in neutral.
- ▲ Operate tractor/skid steer and controls from the driver’s seat only.
- ▲ Never dismount from a moving tractor/skid steer or leave machine unattended with engine running.
- ▲ Do not allow anyone to stand between the attachment and tractor/skid steer while connecting to the attachment.
- ▲ Keep hands, feet, and clothing away from power-driven parts.
- ▲ While transporting and operating equipment, watch out for objects overhead and along the sides such as fences, trees, buildings, wires, etc.
- ▲ Store attachment in a safe and secure area where children normally do not play. When needed, secure attachment against falling with support blocks.



Look for the Safety Alert Symbol

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

Be Aware of Signal Words

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

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

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

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

Be Aware of Special Notices

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

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

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

Safety Precautions for Children

Tragedy can occur if the operator is not alert to the presence of children. Children generally are attracted to attachments and their work.

- ▲ Never assume children will remain where you last saw them.
- ▲ Keep children out of the work area and under the watchful eye of a responsible adult.
- ▲ Be alert and shut the attachment and skid steer/track loader down if children enter the work area.
- ▲ Never carry children on the power machine or attachment. There is not a safe place for them to ride. They may fall off and be run over or interfere with the control of the power machine.
- ▲ Never allow children to operate the power machine, even under adult supervision.
- ▲ Never allow children to play on the power machine or attachment.
- ▲ Use extra caution when backing up. Before the power machine starts to move, look down and behind to make sure the area is clear.

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

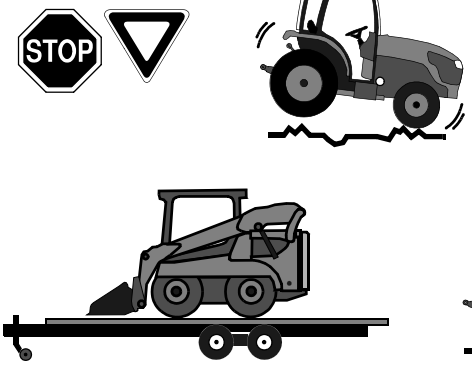
Dig Safe - Avoid Underground Utilities

- ▲ USA: Call 811
  CAN:
  http://www.clickbeforeyoudig.com
- ▲ Always contact your local utility companies (electrical, telephone, gas, water, sewer, and others) before digging so that they may mark the location of any underground services in the area.
- ▲ Be sure to ask how close you can work to the marks they positioned.



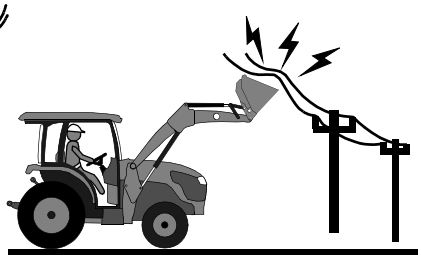
Towing Safely

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



Transport Safely

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



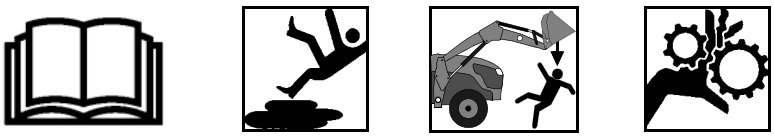
Tire Safety



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

Practice Safe Maintenance

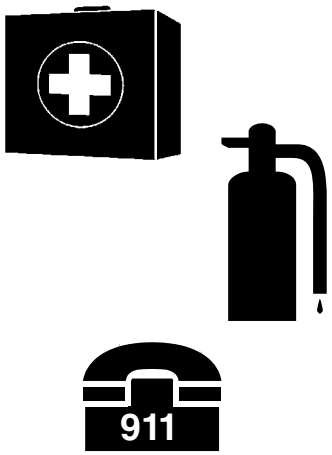
- ▲ Understand procedure before doing work. Refer to the Operator's Manual for additional information.
- ▲ Work on a level surface in a clean dry area that is well-lit.
- ▲ Lower attachment to the ground and follow all shutdown procedures before leaving the operator's seat to perform maintenance.
- ▲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



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

Prepare for Emergencies

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



Wear Personal Protective Equipment (PPE)

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



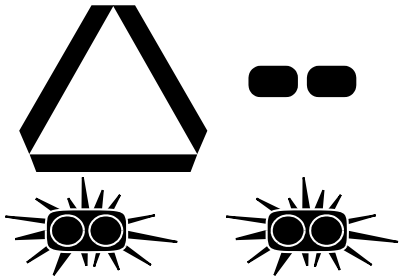
Avoid High Pressure Fluids



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

Use Safety Lights and Devices

- ▲ A slow moving power machine can create a hazard when driven on public roads. They are difficult to see, especially at night.
- ▲ Flashing warning lights and turn signals are recommended whenever driving on public roads.
- ▲ For tractors and other agriculture equipment, a Slow Moving Vehicle (SMV) sign is required when traveling on public roads.



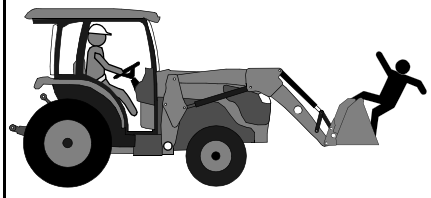
Use Seat Belt and ROPS

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



Keep Riders Off Machinery

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

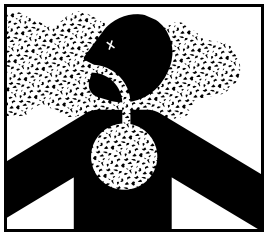


These are common practices that may or may not be applicable to the products described in this manual.

Avoid Crystalline Silica (Quartz) Dust

Because crystalline silica is a basic component of sand and granite, many activities at construction sites produce dust containing crystalline silica. Trenching, sawing, and boring of material containing crystalline silica can produce dust containing crystalline silica particles. This dust can cause serious injury to the lungs (silicosis).

There are guidelines which should be followed if crystalline silica (quartz) is present in the dust.



- ▲ Be aware of and follow OSHA (or other local, State, or Federal) guidelines for exposure to airborne crystalline silica.
- ▲ Know the work operations where exposure to crystalline silica may occur.
- ▲ Participate in air monitoring or training programs offered by the employer.
- ▲ Be aware of and use optional equipment controls such as water sprays, local exhaust ventilation, and enclosed cabs with positive pressure air conditioning if the machine has such equipment. Otherwise respirators shall be worn.
- ▲ Where respirators are required, wear a respirator approved for protection against crystalline silica containing dust. Do not alter respirator in any way. Workers who use tight-fitting respirators can not have beards/ mustaches which interfere with the respirator seal to the face.
- ▲ If possible, change into disposable or washable work clothes at the work site; shower and change into clean clothing before leaving the work site.
- ▲ Do not eat, drink, use tobacco products, or apply cosmetics in areas where there is dust containing crystalline silica.
- ▲ Store food, drink, and personal belongings away from the work area.
- ▲ Wash hands and face before eating, drinking, smoking, or applying cosmetics after leaving the exposure area.

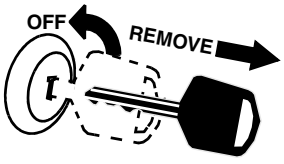
Handle Chemicals Properly

- ▲ Protective clothing should be worn.
- ▲ Handle all chemicals with care.
- ▲ Follow instructions on container label.
- ▲ Agricultural chemicals can be dangerous. Improper use can seriously injure persons, animals, plants, soil, and property.
- ▲ Inhaling smoke from any type of chemical fire can be a serious health hazard.
- ▲ Store or dispose of unused chemicals as specified by the chemical manufacturer.



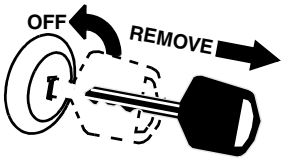
Skid Steer Shutdown And Storage

- ▲ Reduce engine speed and shut-off all power to the attachment.
- ▲ Park on solid, level ground and lower attachment until it is flat on the ground or on non-concrete support blocks.
- ▲ Turn off engine. Do not remove ignition key at this time.
- ▲ Turn ignition key to the “RUN” position. Relieve all hydraulic pressure by moving both joysticks.
- ▲ Turn ignition key to Off and remove to prevent unauthorized starting.
- ▲ Relieve all hydraulic pressures.
- ▲ If included, raise seat bar and move controls until both lock.
- ▲ Wait for all components to stop before leaving operator’s seat.
- ▲ Use steps, grab-handles and anti-slip surfaces when stepping on and off the skid steer.



Tractor Shutdown & Storage

- ▲ Reduce engine speed and shut-off all power to the attachment.
- ▲ Park on solid, level ground and lower attachment until it is flat on the ground or on non-concrete support blocks.
- ▲ Put tractor in park or set park brake.
- ▲ Turn off engine and remove ignition key to prevent unauthorized starting.
- ▲ Relieve all hydraulic pressures.
- ▲ Wait for all components to stop before leaving operator’s seat.
- ▲ Use steps, grab-handles and anti-slip surfaces when stepping on and off the tractor.

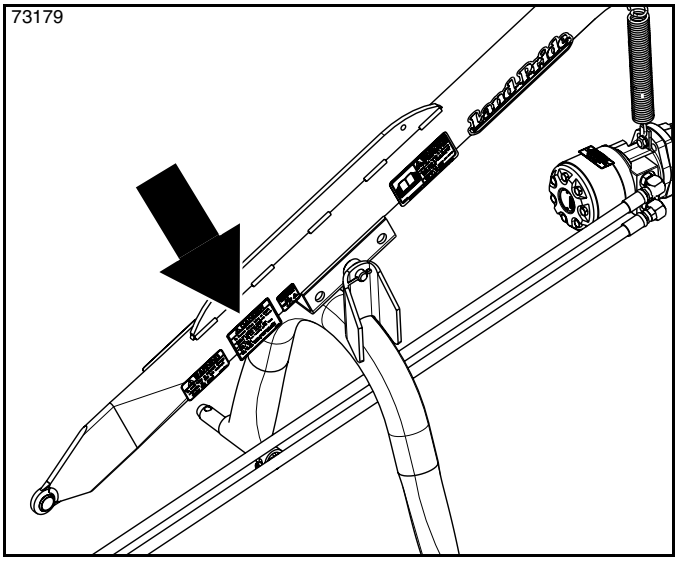


This page left blank intentionally.

Safety Labels

Your Post Hole Digger 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.*



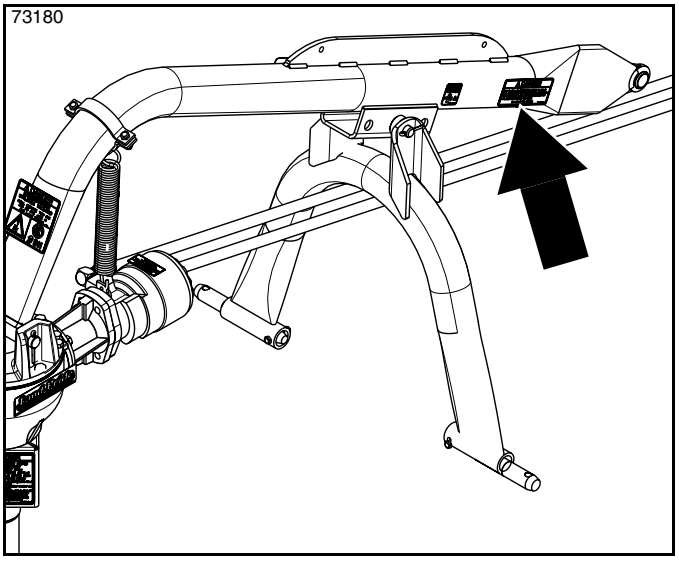
70861



818-547C

Danger: Read and Understand Operator's Manual, Rotating Parts, and Underground Hazard

1 Place: On the Left side of the boom



70862

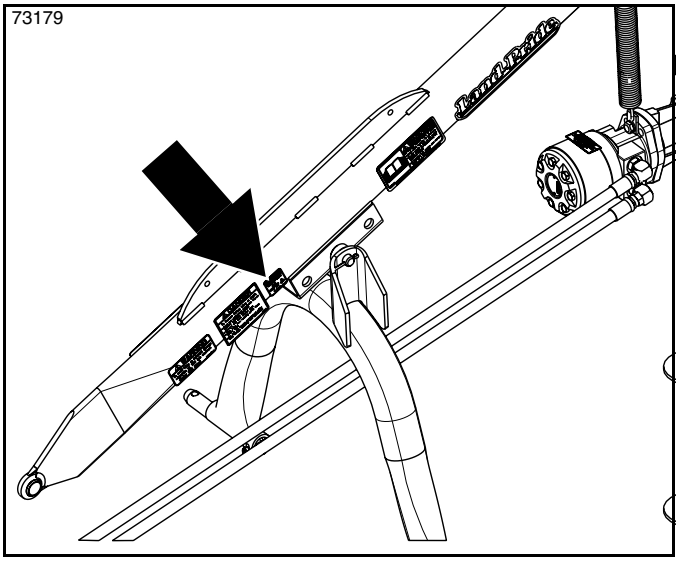


818-646C

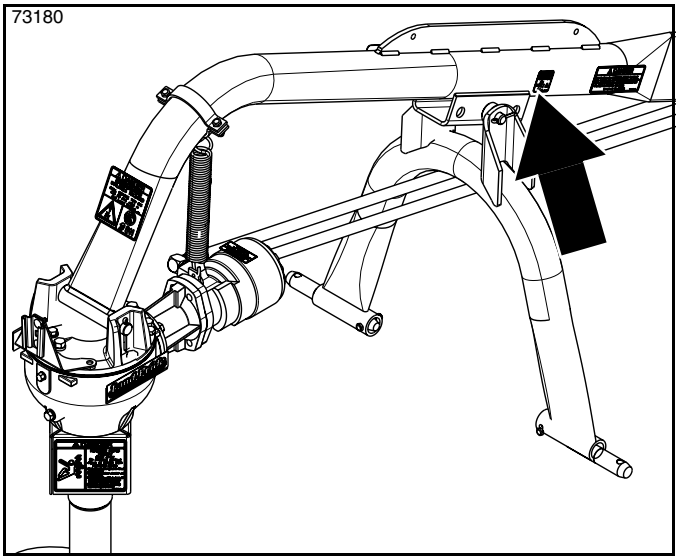
Danger: Read and Understand Operator's Manual and PTO Adapter Hazard

1 Place: On the Right side of the boom

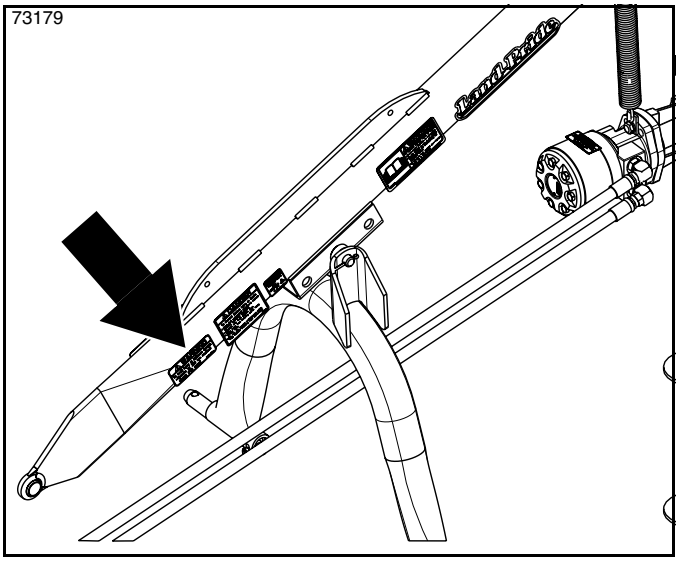
73179



73180



73179



70589



858-765C

Warning: Pinch Point Hazard

2 Places: On the Left and Right side of the boom

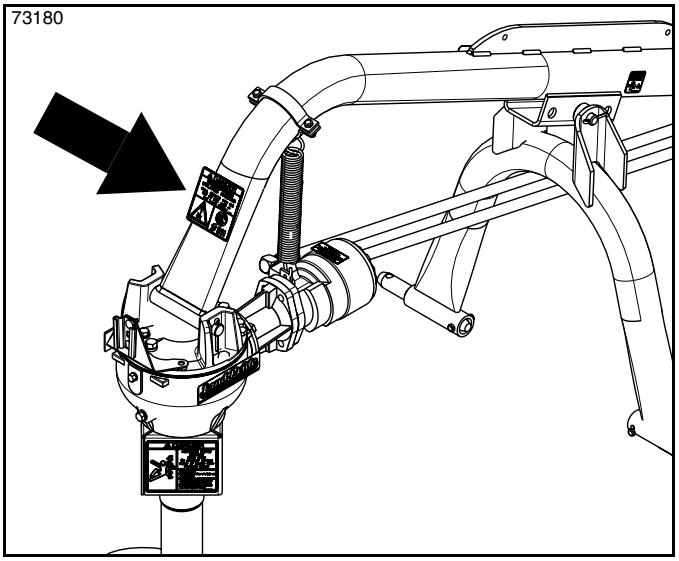
70864

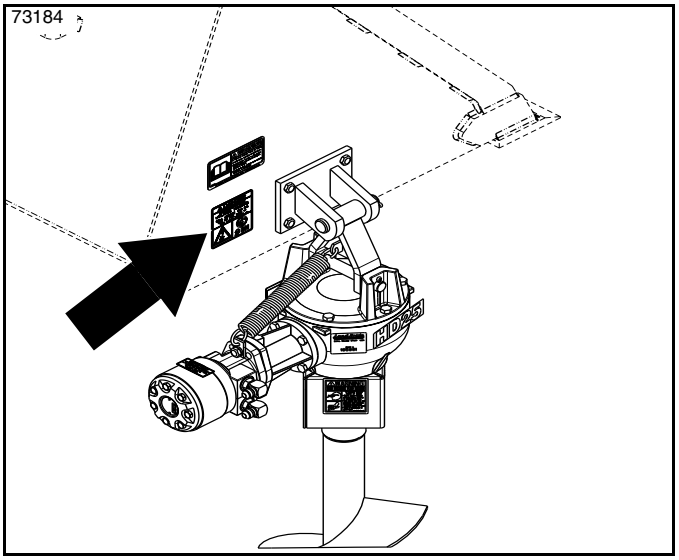


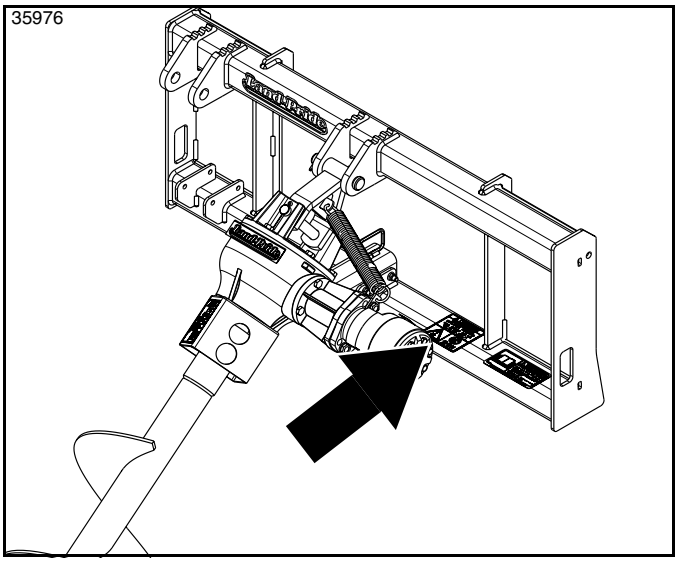
818-691C

Danger: Operate PTO at 300 rpm Maximum

1 Place: On the Left side of the boom







72928

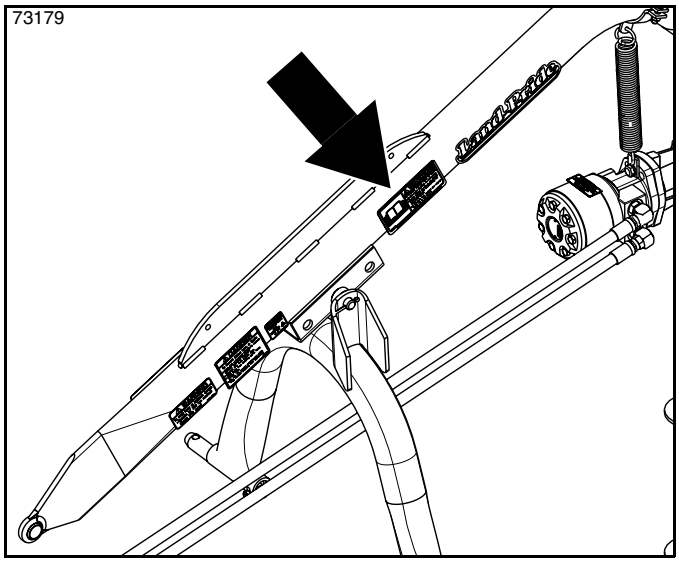


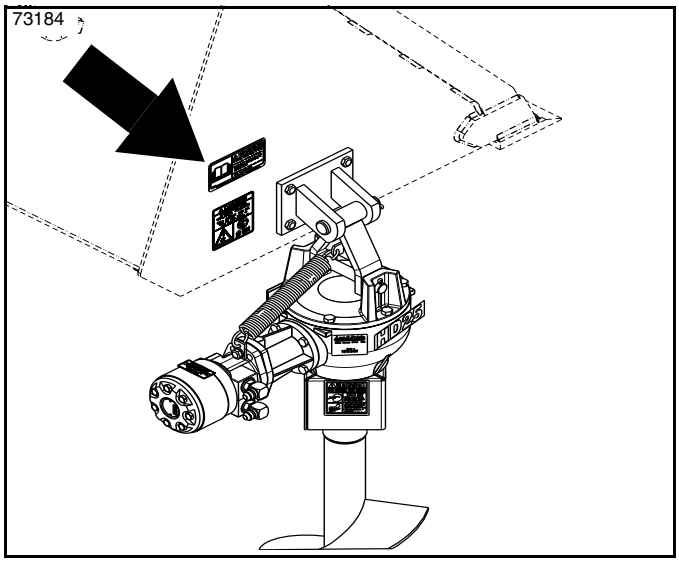
844-194C

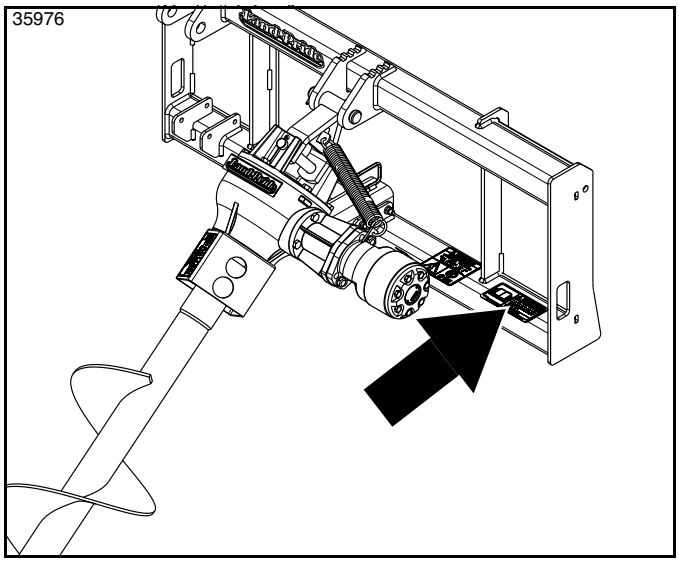
Danger: Underground Utilities Hazard

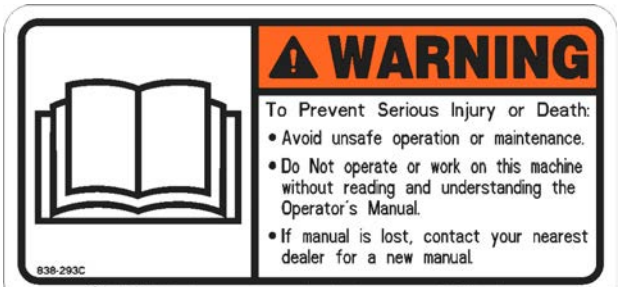
1 of 3 Locations:

- On the end of the boom
- On the side of the bucket
- On the loader hitch plate







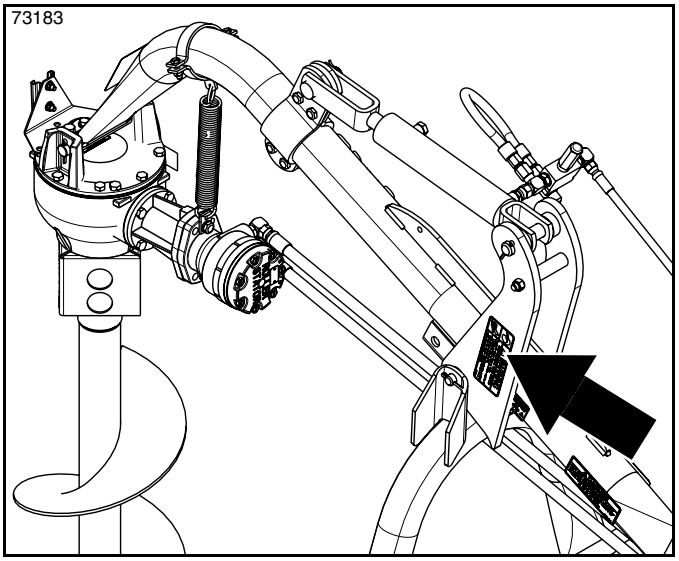


838-293C

Warning: Read Operator's Manual

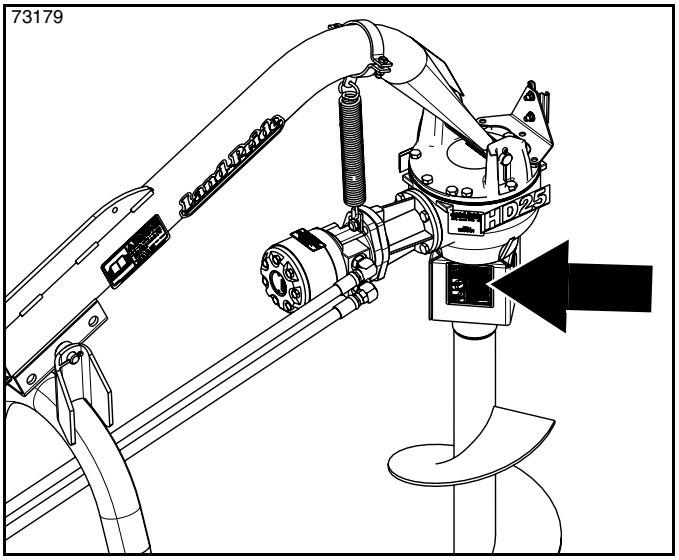
1 of 3 Locations:

- On the Right side of the boom
- On the side of the bucket
- On the loader hitch plate



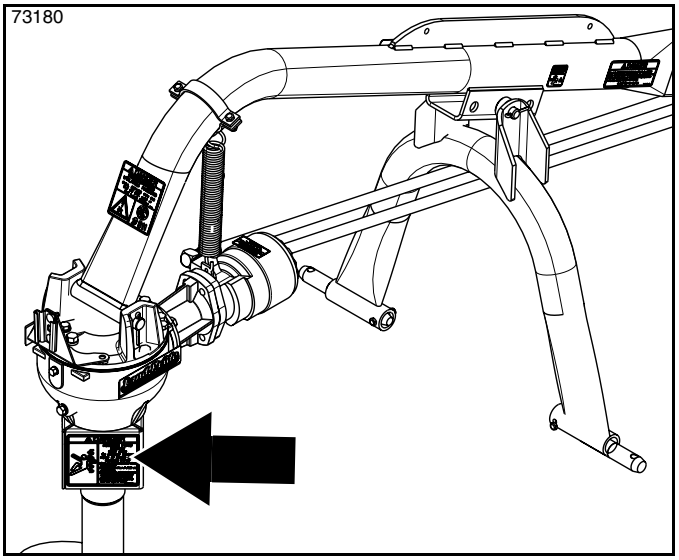


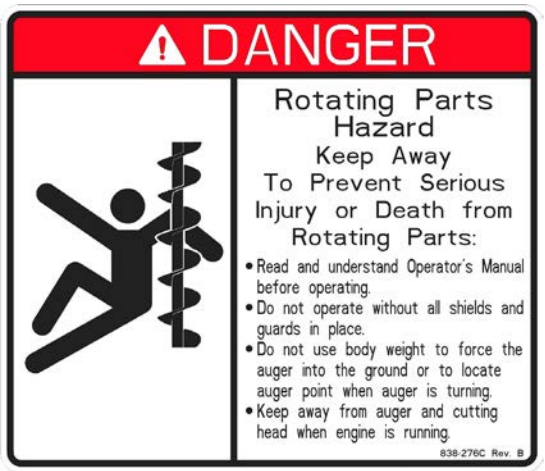
838-094C
Warning: High Pressure Fluid Hazard
1 Place: On 3-point down pressure option



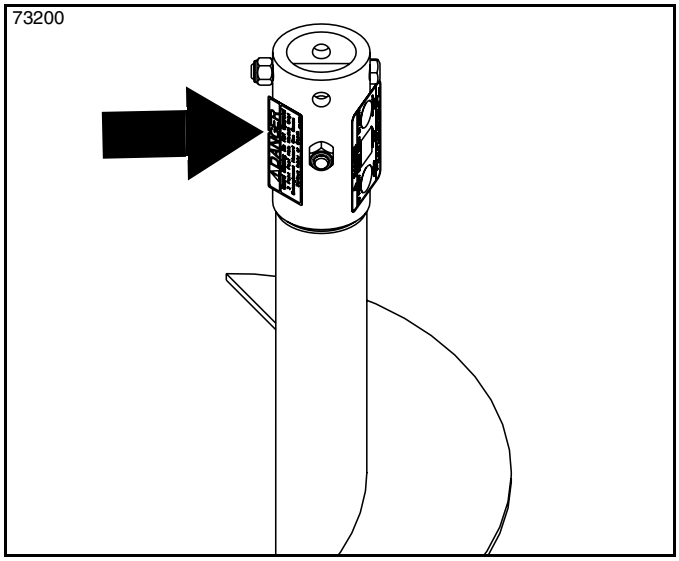


848-747C
Warning: High Pressure Fluid Hazard
1 Place: On the auger guard





838-276C
Danger: Rotating Parts Hazard
1 Place: On the auger guard



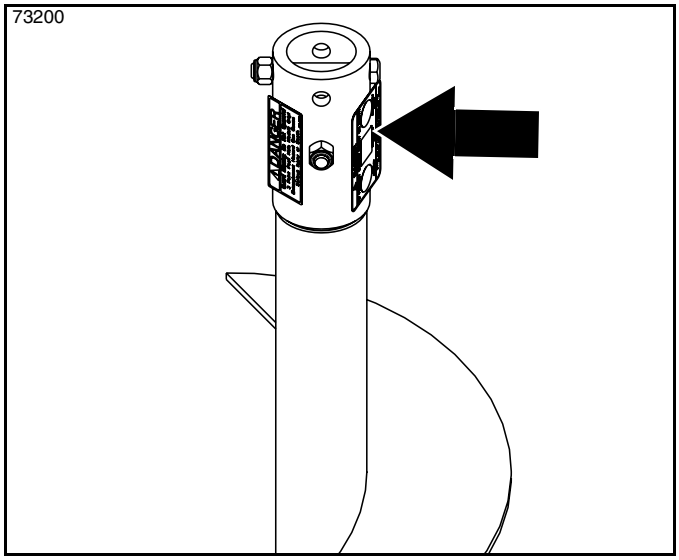


78227

844-398C

Danger: Guard Missing; 3-point mounted units only

1 Place: On all auger and extension options





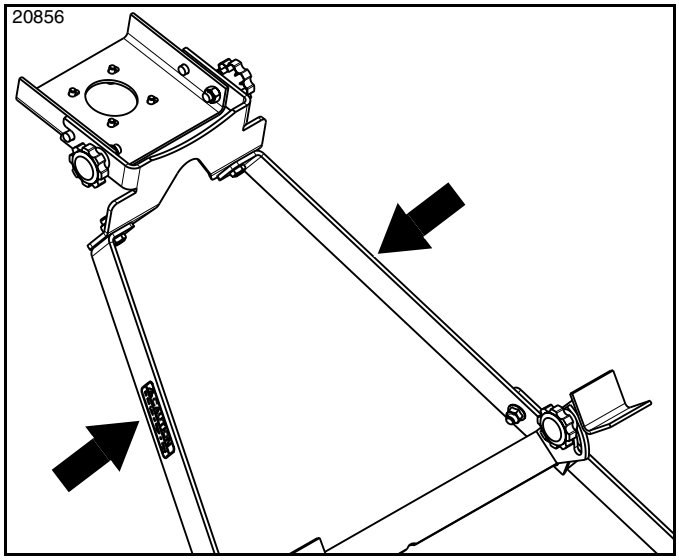
70246

135500

Danger:

Dust Inhalation, Underground, & Entanglement Hazards

1 Place: On all auger options





70248

838-298C

Caution: Leaning on Digger or Stand Hazard

2 Place: On the Post Hole Digger Support Stand

Land Pride welcomes you to the growing family of new product owners. This Post Hole Digger 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 unit.

Application

Land Pride offers a complete line of post hole diggers designed to meet a wide range of customer needs and applications. Our HD25 and HD35 series post hole diggers are hydraulically driven and accommodate augers ranging from 6" to 24" (15 to 24 cm) in diameter. They can be purchased with a bolt-on mount for mounting to the side of a bucket on a tractor front-end loader, with a boom for mounting to a cat. I or II 3-point hitch, or skid/loader mount for attaching to a skid steer or to a tractor front-end loader with a front loader hitch mount. The HD25 series requires a hydraulic flow system capable of producing 5 to 12 gpm (18.9 to 45.4 L) and the HD35 series requires a hydraulic system capable of producing 10 to 25 gpm (37.9 to 94.6 L).

The digging performance of the bucket mounted and universal quick hitch mounted Post Hole Diggers can be improved in heavy hardened soil conditions by applying additional down pressure with the front-end loader. An optional hydraulic down pressure kit is available to improve the performance of the 3-point boom mounted Post Hole Diggers. The ability to reverse the auger on hydraulic Post Hole Diggers greatly reduces the strain on the auger and skid steer or tractor when extracting the digger from the ground.

The HD25 series are designed to deliver up to 700 ft-lbs (949 Nm) of torque to meet the heavy duty needs of nurseries, landscapers, contractors, construction companies, farmers, ranchers, and municipalities. The HD35 series will deliver up to 1,605 ft-lbs (2176 Nm) of torque when industrial duty is preferred.

No matter what your post hole digging needs are, Land Pride has a model to meet those needs.

See **"Specifications & Capacities"** on page 44 and **"Features & Benefits"** on page 47 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.

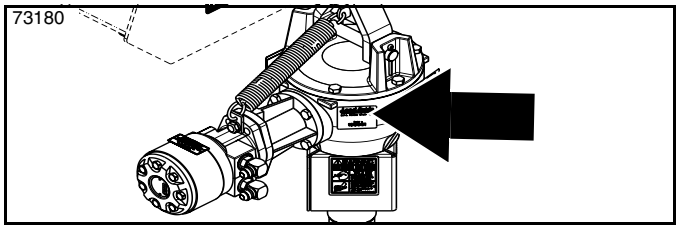
Owner Assistance

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 Post Hole Digger 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 Location (Typical)
Figure 1

Further Assistance

Your dealer wants you to be satisfied with your new digger. 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:

Product Support

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

E-mail address
lpservice@landpride.com

Skid Steer/Tractor Requirements

The auger is designed to attach to skid steers, track loaders, or tractor front-end loaders equipped with a skid steer type quick attach hitch that meets SAE. It also can be attached to the back of tractors with a Cat. I or Cat. II 3-point hitch, or to the side of a tractor front-end loader bucket. The following requirements must be met:

Hydraulic Pressure Rating . . . . . 1,500-3,500 psi . . . . . (103-241 Bar)
Hydraulic Flow Rate
Model HD25 . . . . . 5-12 gpm (18.9-45.4 L)
Model HD35 . . . . . 10-25 gpm (37.9-94.6 L)
Max Torque @ 2,500 PSI
Model HD25 . . . . . 700 ft-lbs (949 Nm)
Model HD35 . . . . . 1,605 ft-lbs (2176 Nm)
Hydraulic Connections . . . . . 1 - Duplex Outlet

⚠ WARNING

To prevent 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.*
- *Lightweight power machines with a front loader attachment may need weight added to the rear to maintain steering control and prevent forward/side tipping. Consult your power machine Operator's Manual to determine proper weight requirements and maximum limitations.*

Torque Requirements

Refer to **"Torque Values Chart"** on page 50 to determine correct torque values for common bolts.

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 Post Hole Digger. An understanding of how it works will aid you during assembly and setup.

Dealer Preparations

This implement 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 **"Skid Steer/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 set-up.	
☐	Make sure all major components and loose parts are shipped with the machine.	Operator's Manual
☐	Double check to make sure all fasteners and pins are installed correctly. Refer to the Parts Manual if unsure. **NOTE:** All assembled hardware from the factory should be installed in the correct location. Remember location of a part or fastener if removed. Keep parts separated.	Parts Manual 317-076P Operator's Manual 317-076M
☐	Make sure working parts move freely, bolts are tight and cotter pins are spread.	Operator's Manual
☐	Make sure all grease fittings are in place and lubricated.	Page 42
☐	Make sure all safety labels are correctly located and legible. Replace if damaged.	Page 6

Power Machine Shutdown Procedure

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

1. Reduce engine speed and shut-off all power to the attachment.
2. Park on solid, level ground and lower the implement or attachment until it is flat on the ground or on non-concrete support blocks.

   Skid Steer and/or Track Loader

   a. Turn off engine. Do not remove ignition key at this time.

   b. Turn ignition key to the "RUN" position. Relieve all hydraulic pressure by moving both joysticks.

   c. Turn ignition key off and remove to prevent unauthorized starting.

   d. If included, raise seat bar and move controls until both lock.

   Tractor

   a. Put tractor in park or set park brake.

   b. Turn off engine, and remove ignition key to prevent unauthorized starting.

   c. Relieve all hydraulic pressures to auxiliary hydraulic lines.
3. Wait for all components to come to a complete stop before leaving the operator's seat.
4. Use steps, grab-handles, and anti-slip surfaces when stepping on and off the power machine.

HD 3-Point Mount Assembly

Refer to Figure 1-1:

IMPORTANT: Cab tractors: Glass can break if contacted by the post hole digger boom when lifting or transporting the unit, depending on the tractor and its three point hook-up geometry.

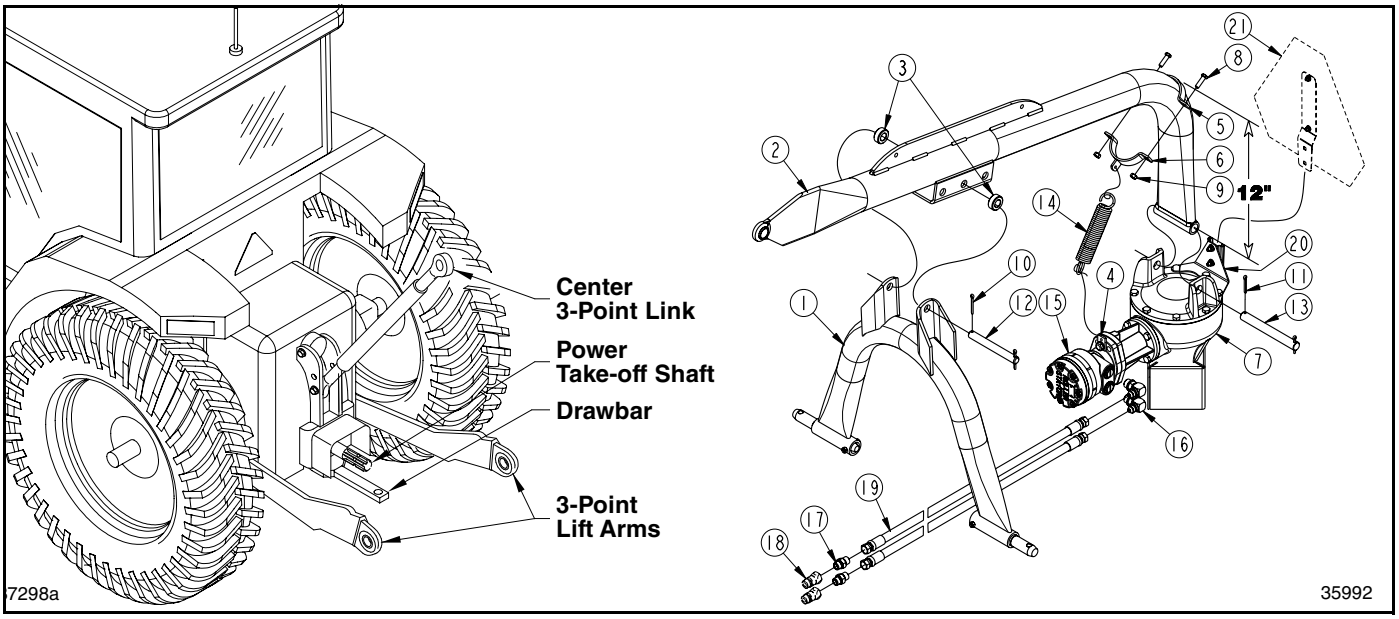
NOTE: It may be necessary to move center 3-point hitch pin to the top mounting hole on the tractor and/or adjust yoke and yoke pin to a mounting hole farther away from the tractor. Refer to **"Check Post Hole Digger Clearance"** on page 24.

NOTE: The Post Hole Digger will be easier to assemble if assembled to a tractor.

1. Remove tractor top center 3-point link (not shown). Keep hitch pin and retaining pin for future use.
2. Attach boom (#2) to the tractor's top center link hole using existing hitch pin and retaining pin.
3. Attach yoke (#1) to the tractor's 3-point lift arms with two 5/16" x 1 3/4" linchpins supplied by customer.
4. Connect lower 3-point sway bars or adjust sway links to retain digger side to side movement.
5. Rotate boom (#2) and yoke (#1) up until pin (#12) can be inserted into the boom's middle hole.
6. Place spacers (#3) between digger yoke (#1) and boom (#2) as shown and insert pivot pin (#12). Secure pin with cotter pin (#10). Bend one or more legs of cotter pin to retain pin.
7. Boom and yoke pivot connection may need readjusting to get the desired hole depth and auger transport clearance. Refer to **"Post Hole Digging Depth"** on page 25.
8. Raise tractor lower 3-point arms until end of boom is approximately 18" (46 cm) above ground.
9. Position gearbox and motor assembly (#7) under boom assembly (#2).
10. Remove one cotter pin (#11) and hanger pin (#13) from gearbox (#7).
11. Align gearbox mounting holes with boom mounting hole and reinsert hanger pin (#13). Secure hanger pin with cotter pin (#11). Bend one or more legs of cotter pin to keep it from falling out.
12. Attach lower spring clamp half (#6) and upper plain clamp half (#5) to boom (#2) 12" (31 cm) up from hanger pin (#13) with 3/8"-16 x 1 1/4" GR5 bolts (#8) and locknuts (#9). Tighten locknuts to the correct torque.
13. Attach extension spring (#14) to spring clamp (#6) and tab (#4) on hydraulic motor (#15).
14. Screw 90° elbows (#16) into ports in motor (#15). Point elbows straight back and tighten.
15. Thread adapter fittings (#17) to other end of hydraulic hoses (#19) and tighten.
16. Quick release couplers (#18) are furnished by customer. Thread quick release couplers (#18) to adapter fittings (#17).
17. Screw 66" (167 cm) long hydraulic hoses (#19) into motor fittings (#16) and tighten.

IMPORTANT: The gearbox is shipped without gear lube and must be filled before operating the digger.

18. Fill gearbox with gear lube. Refer to **"Gear Lube Fluid Level"** on page 42 for detailed instructions.
19. Relocate slow moving sign (#21) from back of the tractor to mounting bracket (#20)



HD 3-Point Mount Assembly
Figure 1-1

NOTE: A slow moving sign can be purchased from your nearest Land Pride dealer. Refer to **"Slow Moving Vehicle Sign Accessory"** on page 39.

20. Skip to **"Auger Assembly"** on page 18.

HD Bucket Mount Assembly

Refer to Figure 1-2:

1. The Bucket Mount Post Hole Digger can be mounted on the left-hand or right-hand side of bucket.

IMPORTANT: If digger is mounted on the left-hand side, then hydraulic motor should be rotated 180 degrees so that hydraulic fittings are facing out.

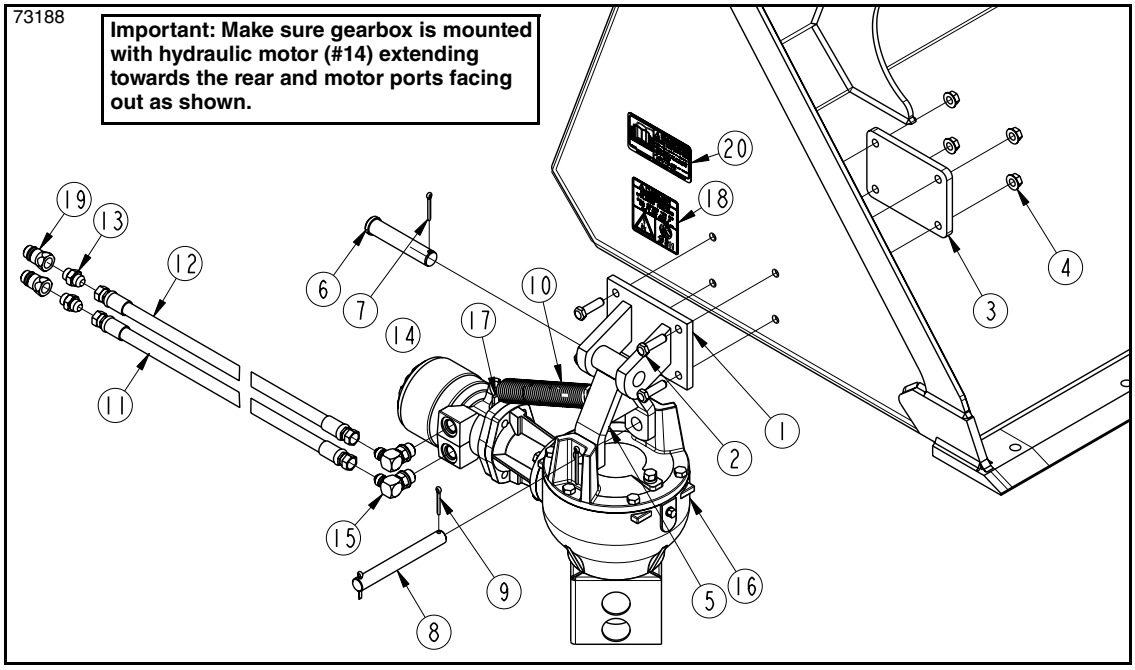
2. Locate mounting bracket (#1) on the bucket sidewall where it is most convenient for the operator to view the auger.
3. Using back plate (#3) as a guide, locate and drill (4) 9/16" (14 mm) diameter holes in the bucket side wall.
4. Mount mounting bracket (#1) to the bucket sidewall with 1/2"-13 x 1 3/4" GR5 bolts (#2), back plate (#3), and 1/2" flange nuts (#4) as shown. Tighten nuts to the proper torque.
5. Attach clevis (#5) to mounting bracket (#1) with 1" x 4 11/16" clevis pin (#6) and cotter pins (#7). Bend one or more legs of the cotter pin to retain pin.
6. Remove one cotter pin (#9) and hanger pin (#8) from gearbox (#16).
7. Align mounting holes in gearbox (#16) with mounting holes in clevis (#5) and reinsert hanger pin (#8). Secure hanger pin with cotter pin (#9). Bend one or more legs of cotter pin to keep it from falling out.
8. Attach extension spring (#10) to clevis (#5) and tab (#17) on hydraulic motor (#14).

NOTE: Hydraulic hoses (#11 & #12) and adapter fittings (#13) are optional and may not be included.

9. Attach 90° elbows (#15) to ports in hydraulic motor (#14). Rotate elbows to point straight back as shown and tighten.
10. Screw MJIC end of adapter fittings (#13) to one end of 292" (7.4 m) long hydraulic hoses (#11 & #12) and tighten.
11. Screw quick release couplers (#19) (couplers furnished by customer) to fittings (#13) until tight.
12. Screw other end of hydraulic hoses (#11 & #12) to elbows (#15) until tight.
13. Attach **844-194C** decal (#18) about "Underground Digging", and **838-293C** decal (#20) about reading the Operator's Manual" on the bucket side panel as shown. Refer to **"Safety Labels"** on page 6 for installation instructions.
14. Zip ties (not shown) to be used later during tractor hook-up.

IMPORTANT: The gearbox is shipped without gear lube and must be filled before operating the digger.

15. Fill gearbox with gear lube. Refer to **"Gear Lube Fluid Level"** on page 42.
16. Skip to **"Auger Assembly"** on page 18



HD Bucket Mount Assembly (Right-Hand Side Shown)
Figure 1-2

Skid/Loader Mount Assembly

Refer to Figure 1-3:

Determine which mount will be used with the skid/loader hitch mount (Center Mount “A” or Offset Mount “B”). Follow instructions below based on type of mount to be used.

Center Mount & Offset Mount

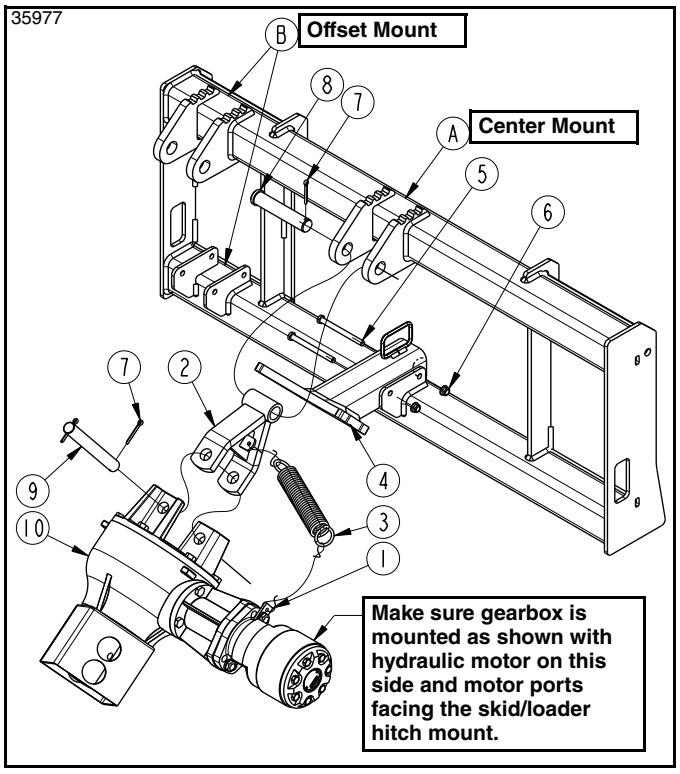
Refer to Figure 1-3:

IMPORTANT: Make sure gearbox is mounted with hydraulic motor on the left-hand side and motor ports facing the skid/loader mounting plate.

1. Attach gearbox rest (#4) to lower center mount bracket “A” or to lower offset mount bracket “B” with 3/8"-16 x 1 1/4" GR5 carriage bolts (#5) and flange locknuts (#6). Tighten locknuts to the correct torque.
2. Attach clevis (#2) to upper center mount bracket “A” or to upper offset mount bracket “B” with clevis pin (#8) and cotter pin (#7). Bend one or more legs of cotter pin to keep it from falling out.
3. Remove one cotter pin (#7) and hanger pin (#9) from gearbox (#10).
4. Attach gearbox and motor assembly (#10) to clevis (#2) with pin (#9) and cotter pin (#7). Bend one or more legs of cotter pin to keep pin from falling out.
5. Attach spring (#3) to tab (#1) and clevis (#2).

IMPORTANT: The gearbox is shipped without gear lube and must be filled before operating the digger.

6. Fill gearbox with gear lube. Refer to **“Gear Lube Fluid Level”** on page 42 for detailed instructions.
7. Skip to **“Skid/Loader Hose Assembly”** on page 17.



Center Mount and Offset Mount (Center Mount Shown)
Figure 1-3

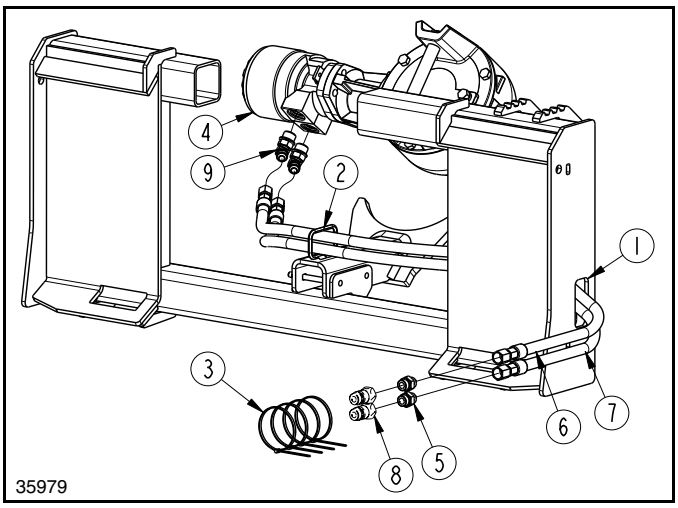
Skid/Loader Hose Assembly

Determine which mount type the skid/loader hitch mount is set-up with and follow instructions below.

Center/Offset Mount for Tractors

Refer to Figure 1-4:

1. Attach 45° elbows (#9) to ports in hydraulic motor (#4). Rotate elbows to point towards the right as shown and tighten.
2. Screw MJIC end of adapters (#5) to one end of hydraulic hoses (#6 & #7) until tight.
3. Screw quick release couplers (#8) (couplers furnished by customer) to adapter fittings (#5) until tight.
4. Thread other end of hydraulic hoses (#6 & #7) through opening (#1) and hose protection ring (#2).
5. Screw hoses (#6 & #7) to elbows (#9) until tight.
6. Skip to **"Hook-up Skid/Loader Mount"** on page 21.



Center/Offset Hydraulic Hose Set-up With Tractor Loader
Figure 1-4

Center/Offset Mount for Skid Steers

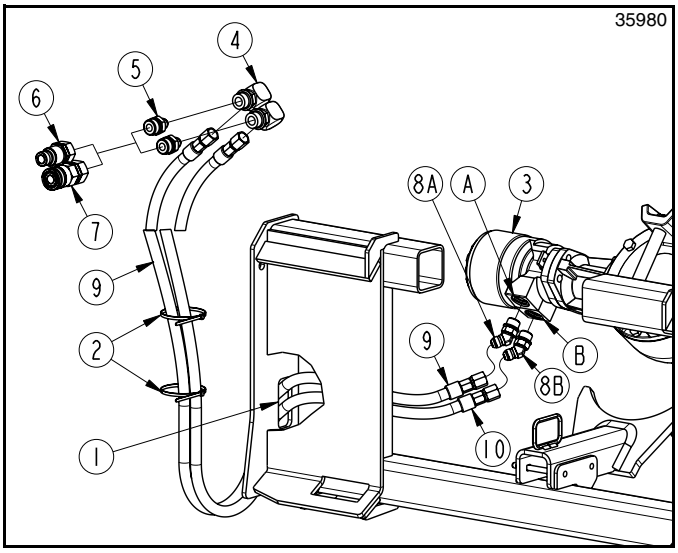
Refer to Figure 1-5:

> **NOTE:** Use Hose Stay Kit #S6689 (available through Kubota) and 90° elbows (#4) if attaching to Kubota CTL.

1. Attach 45° elbows (#8A & #8B) to ports "A" & "B" in hydraulic motor (#4). Rotate elbows to point towards the left as shown and tighten.

> **NOTE:** Customer to select which fitting best fits equipment set-up, 90° elbows (#4) or straight adapters (#5).

2. Screw MJIC end of 90° elbows (#4) or MJIC end of adapters (#5) to one end of hydraulic hoses (#9 & #10) until tight.
3. Thread other end of hydraulic hoses (#9 & #10) through opening (#1). Screw hydraulic hoses to elbows (#8A & #8B) until tight.
4. Select the coupler (male #6 or female #7) that mates with high pressure coupler at the skid steer. Attach selected coupler to hydraulic hose (#9) and tighten. Hose #9 attaches to port "A" on the motor.
5. Screw remaining coupler to hydraulic hose (#10) until tight.
6. Skip to **"Hook-up Skid/Loader Mount"** on page 21.



Center Hydraulic Hose Set-up With Skid Steer Loader
Figure 1-5

Auger Assembly

Refer to Figure 1-2:

DANGER

To avoid serious injury or death:

Keep others away from the post hole digger while the auger is rotating. A person can become entangled in the auger, hit by the auger if swinging erratically, or pulled into the auger. Anyone helping should be kept a safe distance (a minimum of 10 feet or 3 meters) from the unit while it is rotating.

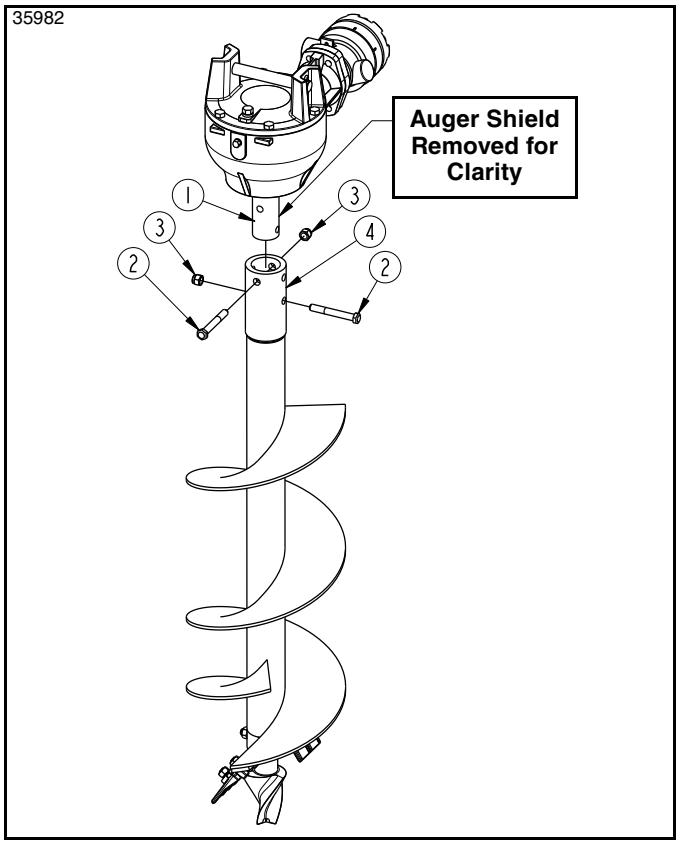
WARNING

To avoid serious injury or death:

Do not install a bolt that is longer than what was originally supplied with the auger. Protruding hardware is more likely to entangle a bystander by catching on loose clothing.

NOTE: Use a hoist or other lifting device to lift Post Hole Digger. If lifting device is not available, attach Post Hole Digger to a tractor or skid steer and use equipment hydraulics to raise the unit

1. Slide auger tube (#4) over gearbox output shaft (#1) until mounting holes are in alignment.
2. Insert bolts (#2) and secure with Locknuts (#3). Torque locknuts to the proper torque.



Auger Assembly
Figure 1-6

Hook-up 3-Point Mount

Refer to Figure 1-7 on page 19:

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:

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.

IMPORTANT: Cab tractors: Glass can break if contacted by the post hole digger boom when lifting or transporting the unit, depending on the tractor and its three point hook-up geometry.

NOTE: It may be necessary to move center 3-point hitch pin to the top mounting hole on the tractor and/or adjust yoke and yoke pin to a mounting hole farther away from the tractor. Refer to **"Check Post Hole Digger Clearance"** on page 24.

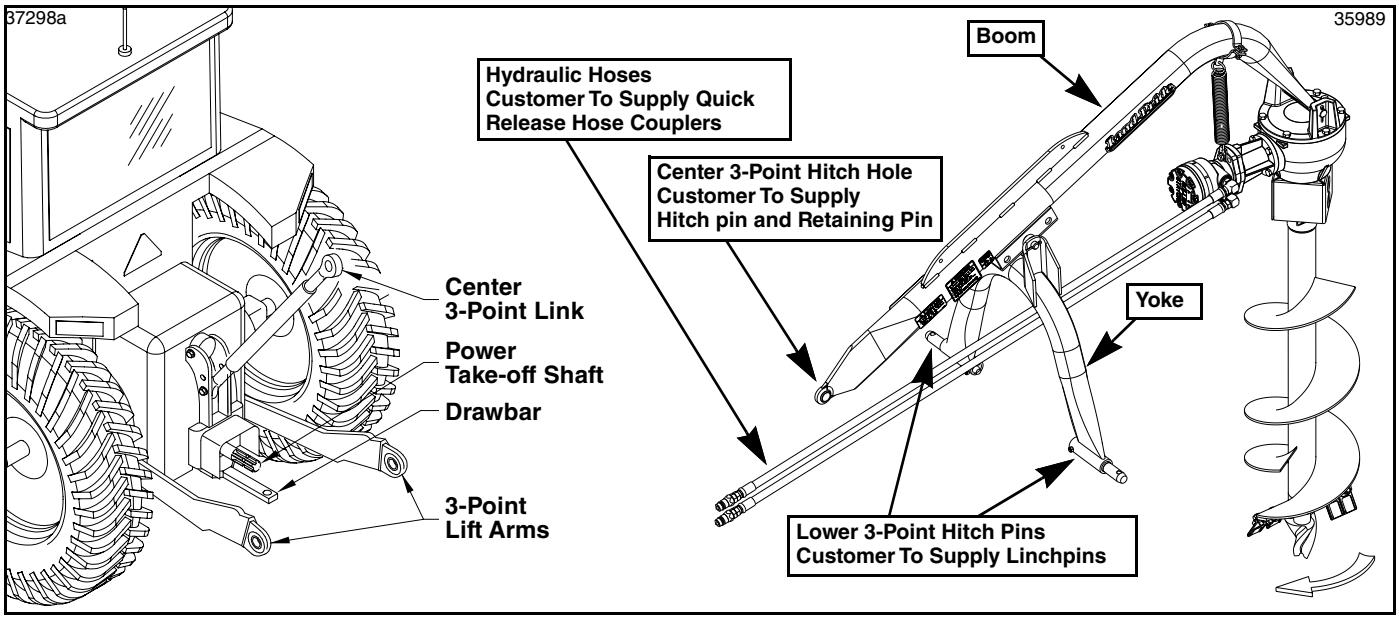
1. Remove tractor top center 3-point link (not shown). Keep hitch pin and retaining pin for future use.
2. Ensure lower 3-point lift arms are stabilized to prevent excessive side movement.
3. Slowly back tractor to the Post Hole Digger while using 3-point hydraulic control to align hitch holes in lower 3-point lift arms with hitch pins on yoke.
4. Shut tractor down before dismounting, Refer to **"Power Machine Shutdown Procedure"** on page 13.
5. Slide lower lift arm hitch holes onto yoke hitch pins.
6. Secure lower 3-point lift arms to yoke hitch pins by inserting customer supplied linchpins through hitch pins holes and rotating linchpin snap rings down.
7. Connect center 3-point hitch hole in boom to the tractor's center 3-point hitch holes using customer supplied clevis pin and linchpin.
8. Attach hydraulic hoses to the tractor duplex outlet. Refer to **"Hydraulic Hook-up to Tractor"** on page 22 for detailed instructions.
9. Check clearance between the tractor and Post Hole Digger. Refer to **"Check Post Hole Digger Clearance"** on page 24.

Unhook 3-Point Mount

Refer to Figure 1-7:

NOTE: It is easier to unhook and hook-up to the Post Hole Digger if it is supported upright. Land Pride offers an accessory storage stand to aid in storing, unhooking and hooking-up to the unit. See **"Stand for 3-point Mounted Diggers"** on page 35.

1. Park tractor and Post Hole Digger on a flat, solid surface.
2. If available, use Land Pride's storage stand to unhook and store the Post Hole Digger. Refer to **"Storage Stand Operation"** on page 36 for detailed unhooking instructions. Continue with step 3 below if storage stand is not available.
3. Lower Post Hole Digger down. Make sure Post Hole Digger is secured with post and bracing so that it cannot twist and/or fall while unhooking the unit.
4. Disconnect hydraulic hoses and wrap them around the boom to keep fittings out of the dirt.
5. Pull lower 3-point linchpins and pull arms off the yoke hitch pins. Keep linchpins for reuse.
6. Remove center 3-point hitch pin and lower Post Hole Digger yoke and boom down onto the ground or support blocks. Keep hitch pin and retaining pin for reuse.
7. Once the Post Hole Digger is disconnected and the tractor's 3-point arms are clear of the digger, drive tractor away being careful not to catch on the Post Hole Digger and supports.



Tractor 3-Point Hitch To RB15 Series Rear Blade
Figure 1-7

Hook-up Bucket Mount

WARNING

To avoid serious injury or death:

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.

Refer to Figure 1-8:

1. Slowly approach gearbox clevis (#4) with the tractor and bucket while using control lever to lower mounting bracket (#3) on end of bucket close to gearbox clevis (#4).
2. Shut tractor down before dismounting, See **"Power Machine Shutdown Procedure"** on page 13.
3. If removed, attach mounting bracket (#3) to the end of the bucket. See step 4 under **"HD Bucket Mount Assembly"** on page 15.
4. Manually align holes in gearbox clevis (#4) with holes in mounting bracket (#3).
5. Insert gearbox pin (#1) and secure in place with cotter pin (#2). Bend both legs of cotter pin around gearbox pin to keep cotter pin from falling out.
6. Attach hydraulic hoses to the tractor duplex outlet. Refer to **"Hydraulic Hook-up to Tractor"** on page 22 for detailed instructions.
7. Zip tie hydraulic hoses along loader arm as needed to keep hoses from becoming pinched, stretched, or kinked.
8. Using tractor lift control lever, lift Post Hole Digger up until the auger is off the ground 1" to 2" (2.5 to 5 cm).
9. With the tractor set at an idle, engage hydraulics to view auger rotation. The auger should rotate clockwise when looking down from above. If auger rotates counterclockwise, switch quick release couplers at the duplex outlet on the tractor.

Unhook Bucket Mount

Refer to Figure 1-9:

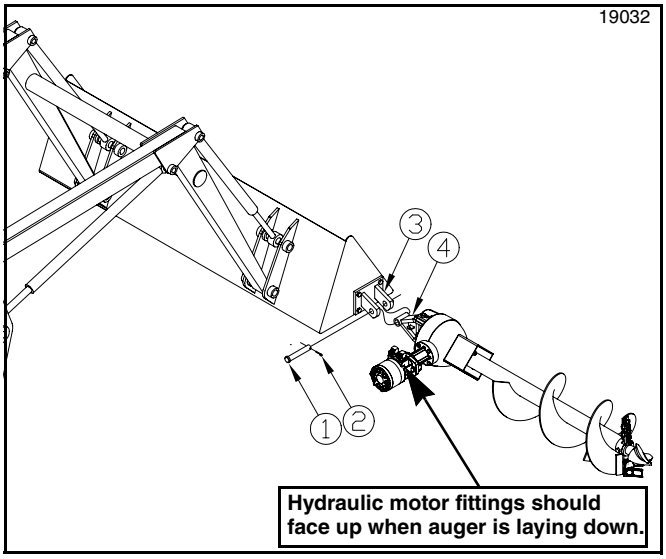
IMPORTANT: The hydraulic motor is factory assembled to mount on right-hand side of bucket with fittings facing out. Rotate motor 180 degrees if auger is mounted on left-hand side of bucket. This will allow the auger to lay down with fittings facing up and not down against the ground.

1. Lower digger until auger tip touches the ground.
2. Make sure hydraulic motor fittings are facing up and not down against the ground when digger is laying on the ground. Lay Post Hole Digger down as follows:
   - If digger is mounted on right side of bucket, slowly turn the tractor to the left while lowering the bucket.
   - If digger is mounted on left side of bucket, slowly turn tractor to the right while lowering the bucket.

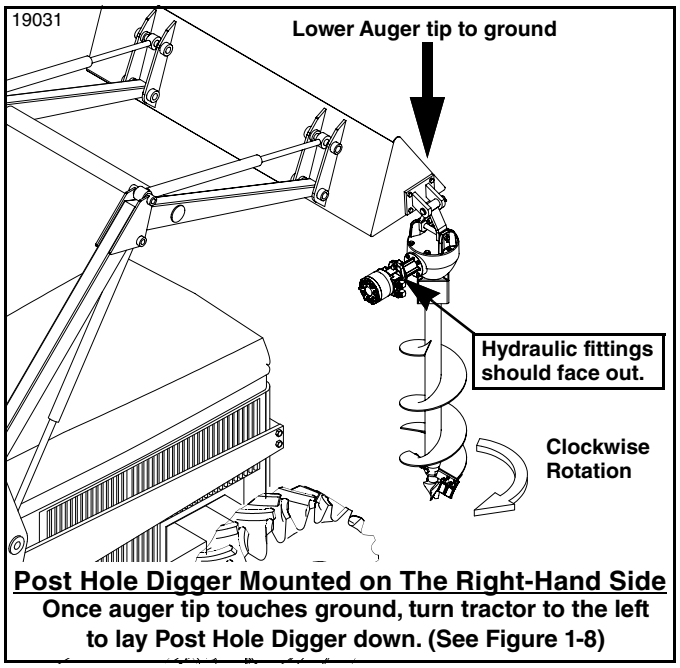
Refer to Figure 1-8:

3. With Post Hole Digger laying on the ground, remove cotter pin (#2) and gearbox pin (#1).
4. Return to the tractor and lift bucket away from digger.
5. Replace gearbox pin (#1) and cotter pin (#2) in the gearbox clevis for safe keeping.

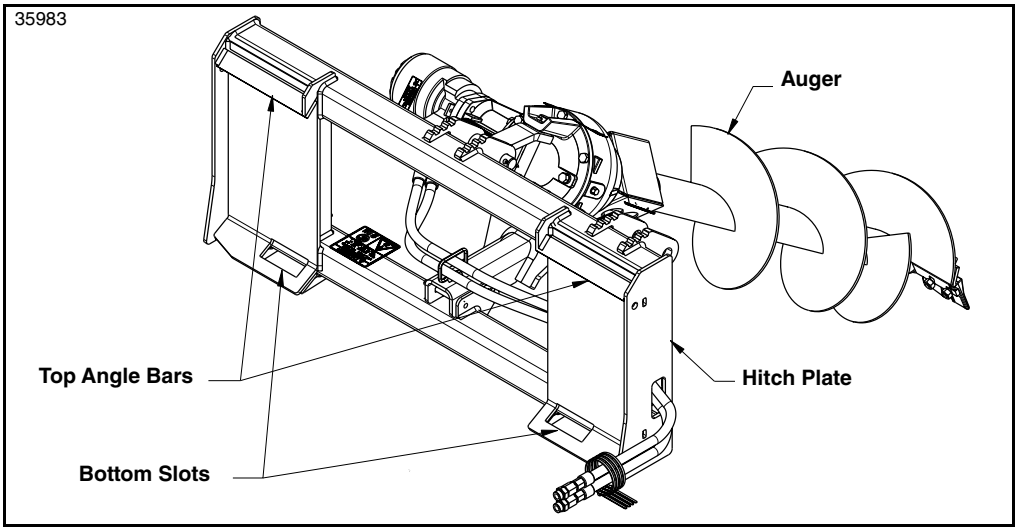
NOTE: If preferred, mounting bracket (#1) can be removed from the bucket. See Figure 1-2 on page 15 for illustration of mounting bracket components. If removed, store bracket with Post Hole Digger.



Hook-up and Unhook Bucket Mounted Post Hole Digger
Figure 1-8



Unhook Bucket Mounted Post Hole Digger
Figure 1-9



Hook-up and Unhook Post Hole Digger Skid/Loader Mount
Figure 1-10

Hook-up Skid/Loader Mount

DANGER

To avoid serious injury or death:

A crushing hazard exists when connecting and disconnecting the attachment. Do not allow anyone to stand between attachment and power machine while approaching or backing away from the attachment. Do not operate hydraulic controls while someone is near the power machine and/or attachment.

WARNING

To avoid serious injury or death:

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

Refer to Figure 1-10:

1. Check for and remove any debris in the hitch point areas before hooking-up to the Post Hole Digger.
2. If needed, pull locking handles up on skid/loader hitch mount until locking pins are fully raised.
3. Carefully and slowly drive up to the Post Hole Digger making sure the skid/loader hitch mount is parallel with the top angle bar on the Post Hole Digger hitch plate.
4. Rotate top of loader tilt arms slightly forward.
5. Place top of skid/loader hitch mount under the top angled bar on the Post Hole Digger hitch plate.
6. Slowly lift skid/loader hitch mount up until quick attach hitch and top angle bar have come together.
7. Rotate top of skid/loader hitch mount back to align bottom slots in the Post Hole Digger hitch plate with locking pins on the skid/loader hitch mount.
8. Push lock handles on the skid/loader hitch mount down until locking pins fully extend through bottom slots in the Post Hole Digger hitch plate. Make sure locking handles are locked into position to keep pins from backing out.
9. If auger is not assembled to the gearbox output shaft, skip to **"Auger Assembly"** on page 18.
10. If auger is assembled to gearbox output shaft, skip to **"Hydraulic Hook-up to Tractor"** on page 22 or **"Hydraulic Hook-up to Skid Steer"** on page 23.

Unhook Skid/Loader Mount

Refer to Figure 1-10:

1. Park skid steer/tractor with the Post Hole Digger on a flat, level solid surface and lower Post Hole Digger until its auger point is resting on the ground.
2. Slowly back up while continuing to lower the Post Hole Digger until the hitch plate is resting on the ground.
3. Shut tractor or skid steer down before dismounting. Refer to **"Power Machine Shutdown Procedure"** on page 13.
4. Disconnect hydraulic hoses and wrap them around the Post Hole Digger hitch plate to keep fittings out of the dirt.
5. Pull lock handles up to remove pins from bottom slots in hitch plate.
6. Return to the skid steer or tractor and tilt top of skid/loader hitch mount slightly forward toward the Post Hole Digger.
7. Slowly lower skid/loader hitch mount until the hitch and top angle bar on the Post Hole Digger hitch plate have separated.
8. Back skid steer or tractor slowly away from the Post Hole Digger while making sure the skid/loader hitch mount does not interfere with the Post Hole Digger.

Hydraulic Hook-up to Tractor

DANGER

To avoid serious injury or death:

All guards and shields must be installed and in good working condition while operating the attachment.

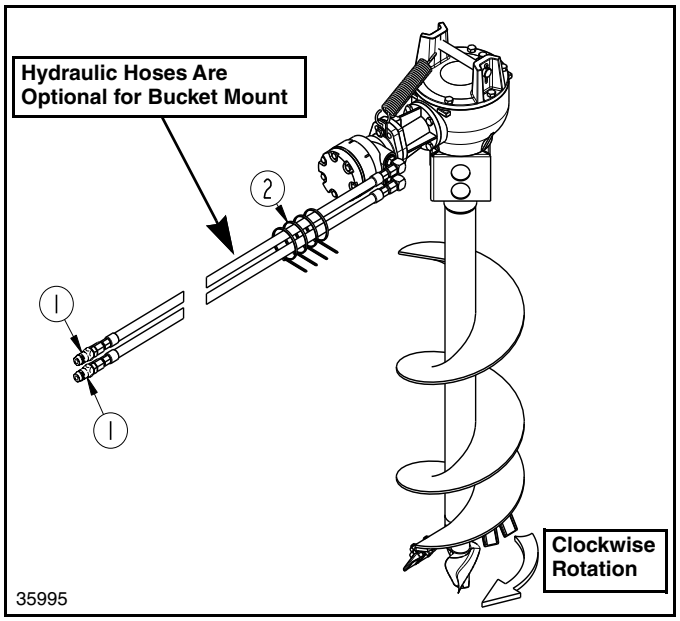
WARNING

To avoid serious injury or death:

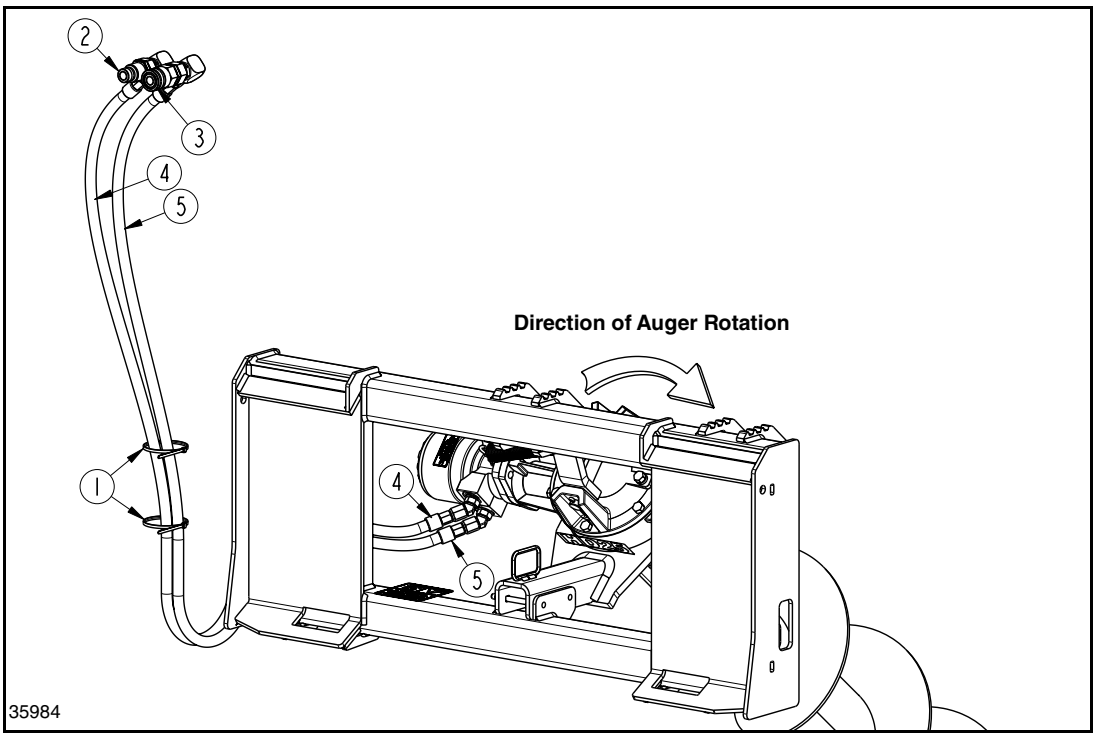
- *Make sure hydraulic hoses are properly routed without twists to prevent becoming stretched, pinched, or kinked. A damaged hydraulic hose can burst and leak hydraulic fluid.*
- *Hydraulic fluid under high pressure will penetrate the skin or eyes causing serious injury. Wear protective gloves and safety glasses or goggles when working with hydraulic systems. Use a piece of cardboard or wood, rather than hands, when searching for leaks. If an accident occurs, seek immediate emergency medical care or gangrene may result. DO NOT DELAY.*

Refer to Figure 1-11:

1. Connect quick release couplers (#1) to the tractor's high pressure outlets.(Quick release couplers supplied by customer.)
2. While seated in the tractor seat, lift Post Hole Digger not more than 1 to 2 inches (2.5 to 5 cm) off the ground.
3. With the tractor set at an idle, engage hydraulics to view auger rotation. The auger should rotate clockwise when looking down from above. If auger rotates counterclockwise, switch couplers at the duplex out as follows:
   a. Shut tractor down before dismounting. Refer to **"Power Machine Shutdown Procedure"** on page 13.
   b. Switch quick release couplers at the duplex outlet on the tractor.
4. Return to the tractor and repeat steps 2-3 to verify auger is rotating properly.
5. If the Post Hole Digger is 3-point mounted and the tractor has a cab, check clearance between the tractor and Post Hole Digger. Refer to **"Check Post Hole Digger Clearance"** on page 24.
6. Bucket mount and skid/loader hitch mount only: Secure hydraulic hoses along the loader arms as needed with zip ties (#2) to keep hoses from becoming pinched, stretched, and/or kinked.



Hydraulic Hose Hook-up to the Tractor Duplex Outlet
Figure 1-11



Skid Steer Hydraulic Hose Hook-up to Skid Steer Quick Release Couplers
Figure 1-12

Hydraulic Hook-up to Skid Steer

DANGER

To avoid serious injury or death:

- *Hydraulic fluid under high pressure will penetrate the skin or eyes causing serious injury. Wear protective gloves and safety glasses or goggles when working with hydraulic systems. Use a piece of cardboard or wood, rather than hands, when searching for leaks. If an accident occurs, seek immediate emergency medical care or gangrene may result. DO NOT DELAY.*
- *All guards and shields must be installed and in good working condition while operating the implement.*

WARNING

To avoid serious injury or death:

Make sure hydraulic hoses are properly routed without twists to prevent becoming stretched, pinched, or kinked. A damaged hydraulic hose can burst and leak hydraulic fluid.

NOTE: Skid steer hydraulics can vary from one machine to another. Be sure to review "Hydraulic Hook-up" in your Skid Steer Operator's Manual before hooking hydraulic hoses to the Skid Steer.

Refer to Figure 1-12:

1. Attach quick release couplers (male #2 & female #3) to the skid steer quick release couplers.
2. From inside the cab, lift Post Hole Digger up until auger is off the ground 1 to 2 inches (2.5 to 5 cm).
3. With skid steer set at an idle, engage hydraulics to view auger rotation. The auger should rotate clockwise when looking down from above. If auger rotates counterclockwise, switch quick release couplers on hydraulic hoses (#4 & #5) as follows:
   a. Disengage hydraulics.
   b. Lower lift arms until quick release hitch is resting on the ground, engage park brake, turn off engine and remove key to prevent unauthorized starting.
   c. If included, raise seat bar and move controls until both lock.
   d. Use grab-handles, steps, and skid-resistant surfaces when getting on and off the loader.
   e. Disconnect hose couplers, switch male coupler (#2) with female coupler (#3) on hydraulic hoses (#4 & #5) and then reconnect hoses to the quick release couplers.
   f. Also see **"Hydraulic Hook-up"** in your skid steer Operator's Manual.
4. Secure hydraulic hoses as needed with zip ties (#1) to keep hoses from becoming pinched, stretched, and/or kinked.

Check Post Hole Digger Clearance

Refer to Figure 2-1 on page 25:

IMPORTANT: Cab tractors: Glass can break if contacted by the post hole digger boom when lifting or transporting the unit, depending on the tractor and its three point hook-up geometry.

IMPORTANT: Hydraulic hoses can be pinched if digger yoke (#4) comes close to the tractor's duplex outlet when lifting/transporting the unit, depending on tractor and three point geometry.

IMPORTANT: Adjusting boom lift clearance and auger digging depth may require a compromise between limiting auger lift height and lift height required to lift auger above a dirt mound around a post hole. Customer should adjust lift hight to suit while making sure the Post Hole Digger does not cause damage to the tractor and/or tractor cab.

IMPORTANT: Digger frame may bounce up when transporting. Make sure lift height is not set too high.

It is important to check clearance between tractor/cab and Post Hole Digger before operating the unit.

1. Visually inspect hydraulic hoses to make sure they are long enough and won't become pinched or entangled in the equipment. Make hose adjustments before starting the tractor.
2. Close tractor rear cabin window.
3. Start tractor and slowly raise Post Hole Digger while watching to make sure yoke (#4) and/or boom (#6) do not interfere with tractor/cab. If necessary, have a second person watch for interference. If no interference, go to step 12. Otherwise, continue with step 4.
4. If there is an interference, lower digger to the ground and shut tractor down before dismounting. Refer to **"Power Machine Shutdown Procedure"** on page 13.
5. Move boom (#6) and 3-point center hitch pin (#7) up to the tractor's top 3-point center hitch pin hole.
6. Start tractor and slowly raise Post Hole Digger while watching to make sure yoke (#4) and/or boom (#6) do not interfere with tractor/cab. If necessary, have a second person watch for interference. If no interference, go to step 12. If the unit is the PD10 model, go to step 11. For all other models, continue with step 7 below.
7. If there still is an interference, lower digger to ground and shut tractor down before dismounting. Refer to **"Power Machine Shutdown Procedure"** on page 13.
8. Adjust yoke (#4) and pivot pin (#1) to a new hole on boom (#6) that is farther away from the tractor. For detailed instructions, refer to **"Post Hole Digging Depth"** on page 25.
9. Start tractor and slowly raise Post Hole Digger while watching to make sure yoke (#4) and/or boom (#6) do not interfere with tractor/cab. If necessary, have a second person watch for interference. If no interference, go to step 12. Otherwise, continue with step 10.
10. If there still is an interference and yoke (#4) can still be adjusted to a new hole farther away, then repeat steps 7-10. Otherwise, continue with step 11.
11. Adjust tractor up-stop on 3-point lift lever or mark maximum up-lift point on 3-point lift lever to prevent boom (#6) from raising too high.
12. Start tractor and raise Post Hole Digger fully up or raise digger to the adjusted up-stop location.
13. Open rear cab window to check for clearance.
14. If rear cab window interferes with boom (#6), keep rear cab window closed or adjust tractor up-stop on 3-point lift lever to keep boom from damaging the window while open.
15. Shut tractor down before dismounting. Refer to **"Power Machine Shutdown Procedure"** on page 13.

Post Hole Digging Depth

Refer to Figure 2-1:

WARNING

To avoid serious injury or death:

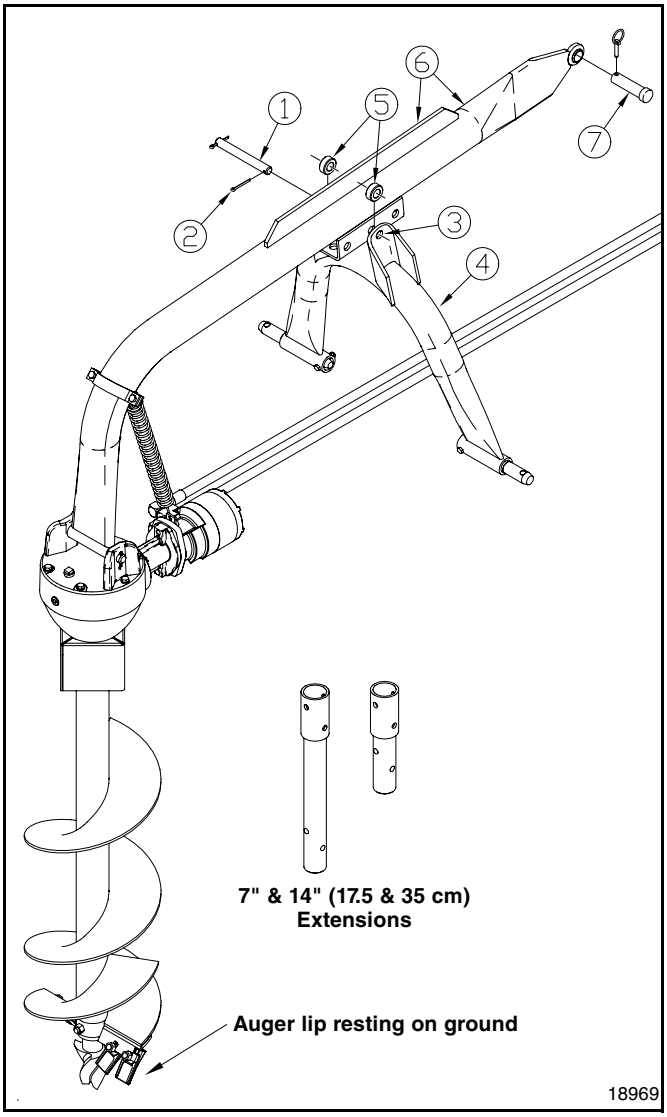
Before making adjustments, disengage hydraulics to the attachment, lower attachment to ground, shut engine off, and remove ignition key. Do not attempt to make adjustments with attachment or power machine running.

IMPORTANT: Cab tractors: Glass can break if contacted by the post hole digger boom when lifting or transporting the unit, depending on the tractor and its three point hook-up geometry.

NOTE: To help avoid glass breakage and increase hole depth, adjust yoke (4) and yoke pin (#1) to a mounting hole farther away from the tractor and/or move center three point hitch pin (#7) to the top mounting hole on the tractor.

Adjust yoke (#4) on boom (#6) as follows:

1. With auger attached to the gearbox shaft, lower 3-point so that the auger tip is resting on the ground.
2. While supporting yoke tube (#4), remove pivot pin (#1) at boom and yoke tube connection (#3). Be careful not to lose spacers (#5).
3. Reposition boom and yoke tube connection (#3) to best suit type of tractor this unit is mounted to achieve a hole depth of 40" (100 cm).
4. Reinstall pivot pin (#1) and bushings (#5). Secure pivot pin with cotter pin (#2). Bend one or more legs of cotter pin to keep cotter pin from falling out. If pivot pin (#1) is moved closer to the tractor, recheck digger clearance. Refer to **"Check Post Hole Digger Clearance"** on page 24.
5. If desired hole depth cannot be achieved, an auger extension shaft may need to be used, (extension shafts are sold as an option. See **"Auger Extensions (Option)"** on page 30 for part numbers.)
6. If Land Pride's Down Pressure Kit is in use and the boom and yoke tube connection has been changed, the Down Pressure Kit will also need to be reset. See **"Adjust Down Pressure Kit"** on page 34 of this manual.



Depth Adjustment
Figure 2-1

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 Post Hole Digger. Therefore, it is absolutely essential that no one operates the digger unless they have read, fully understood, and are totally familiar with the Operator's Manual.

Perform the following inspections before using your Post Hole Digger.

Operating Checklist

✔	Check	Page
	Read and follow all safety rules carefully. Refer to "Important Safety Information".	1
	Make sure all guards and shields are in place. Refer to "Important Safety Information".	1
	Read and follow hook-up and preparation. Refer to "Section 1: Assembly & Set-up".	13
	Read and make all required adjustments. Refer to "Section 2: Adjustments".	25
	Read and follow all operating procedures. Refer to "Section 3: Operating Instructions".	26
	Read and follow all maintenance instructions. Refer to "Section 5: Maintenance & Lubrication".	40
	Make sure there are no hydraulic leaks. Refer to "Avoid High Pressure Fluids Hazard".	3
	Read and follow all lubrication instructions. Refer to "Lubrication Points".	42
	Make sure all gearboxes are properly lubricated. Refer to Gearbox lubrication.	42
	Check initially and periodically for loose bolts and pins. Refer to "Torque Values chart".	50

Safety Information

DANGER

To avoid serious injury or death:

- *Do not go near or under raised loader arms without first securing loader arms in the raised position with an approved lift-arm support.*
- *Keep your head, arms, and legs inside the cab while operating the power machine. Any extremity extended outside the cab can be crushed by the loader arms and attachment.*
- *Never operate equipment from outside the cab.*
- *Use the skid steer's alternate emergency exit when exit passage through the front is blocked.*
- *Do not use hand or foot controls for handholds or steps. Using them for handholds or steps can activate the controls.*
- *Keep mud, snow, ice, and debris out of foot controls.*
- *If included, raise restraint bar and move controls until both are locked and interlock system is activated.*
- *Inspect interlock control system regularly and perform required maintenance to keep it operating properly.*
- *Never bypass or modify a safety device.*
- *Keep all persons away from the post hole digger while lowering and raising the unit. A person can be hit, pinched, or crushed by the unit.*
- *Make sure the site is free from hazards before drilling. Look for obstacles on the ground, beneath mulching, and below the ground that may need to be removed. Obstacles such as landscape fabric, wire, etc can catch in the anger and pull a bystander into the auger. Hand digging may be necessary to verify the presence of underground materials.*
- *Keep attachment, loader arms, and/or load away from overhead electrical power lines. Place an orange warning sign under overhead lines indicating type of danger above.*
- *Do not drill through landscape fabric. Prior to drilling, cut a hole in the fabric sufficiently larger than the diameter of the auger to prevent auger entanglement with the fabric. Fabric caught in the auger can pull a bystander into the auger.*
- *All guards and shields must be installed and in good working condition while operating the implement.*
- *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.*
- *Keep others away from the post hole digger while the auger is rotating. A person can become entangled in the auger, hit by the auger if swinging erratically, or pulled into the auger. Anyone helping should be kept a safe distance (a minimum of 10 feet or 3 meters) from the unit while it is rotating.*
- *Do not allow anyone to manually push down on the post hole digger, or put anything or anyone on the unit for the purpose of adding weight to the unit. Objects and people can be thrown, pinched, or entangled in the unit.*
- *Do not allow anyone to manually guide the auger into position while the auger is rotating. A person will become entangled in the auger or hit by the auger.*
- *Do not remove spoil-pile with hand tools while auger is operating. The person can become entangled in the auger or hurt by tools that become entangled in the auger.*

WARNING

To avoid serious injury or death:

- *Allow only persons to operate this implement who have fully read and comprehended this manual, and who are properly trained in the safe operation of this implement.*
- *Operate only power machines equipped with a certified Roll-Over Protective Structure (ROPS) and seat belt. Fasten seat belt snugly and securely to help protect against serious injury or death from machine overturn.*

- *Hydraulic fluid can become hot as it flows through components such as hydraulic couplers, hoses, lines, fittings, motors, etc. Wear gloves when working with hydraulic components including while connecting and disconnecting couplers. It is best to allow hydraulic components to cool before touching them.*
- *Always shut power machine down following the "Shutdown Procedure" provided in this manual before leaving the operator's station.*
- *Never adjust tractor pressure relief valve for a pressure rating higher than what is recommended by the tractor manufacture.*
- *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.*
- *Do not operate and/or travel across inclines where the tractor and/or implement can rollover. Consult your tractor's manual for acceptable inclines the tractor is capable of traveling across.*
- *Check hitch fit-up frequently. An improper fit-up to the 3-point hitch, bucket mount, or loader quick hitch can cause the post hole digger to come loose and fall.*
- *When traveling on public roadways, travel in such a way that faster moving vehicles may pass safely. Use hazard lights, clean reflectors, and a slow moving vehicle sign that is visible from the back to warn operators in other vehicles of your presence. Always comply with all federal, state, and local laws.*
- *Always travel with adequate clearance between ground and auger. Hitting an object while traveling can damage equipment and cause the operator to lose control.*
- *Use a power machine of adequate size for the load being carried. An undersized machine can roll over when raising the loader arms due to high center of gravity.*
- *Always travel with auger lowered to reduce the chances of tip over due to high center of gravity.*
- *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.*
- *Protect freshly dug holes immediately after digging by filling it with a post, covering the hole with a cover capable of supporting a person, or place a physical boundary around the hole to stop entry into the area.*
- *Do not use post hole digger to wrap wire or any other items. Doing so can result in bodily injury and/or damage to the equipment.*
- *Use a power machine of adequate size for the load being carried. An undersized machine can roll over when raising the loader arms due to high center of gravity.*
- *Do not 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.*
- *Never work near utilities such as gas lines, electrical lines, or other hazards that can cause serious injury or death from electrocution, explosion, or fire.*
- *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.*
- *Do not operate a broken or bent driveline. Such a driveline will break apart while rotating at high speeds. Always remove the implement from use until the damaged driveline can be repaired or replaced.*
- *Do not operate driveline over 300 rpm and auger above 110 rpm or damage to the post hole digger could result*
- *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.*

⚠ CAUTION

To avoid minor or moderate injury:

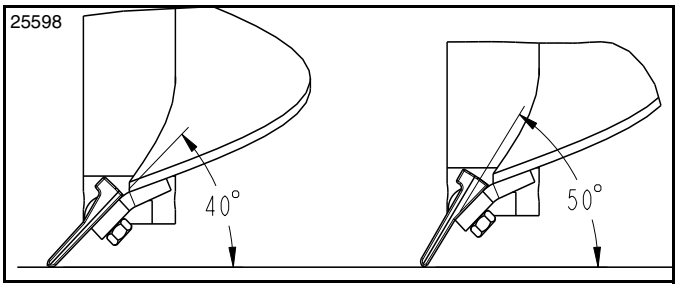
- *Auger tip gets hot after digging. Allow time for the tip to cool before touching or servicing the tip.*

Dual-Angle Pengo Teeth

Refer to Figure 3-1:

Only Pengo augers have teeth that are dual-angled. Pengo augers are shipped with teeth mounted on the flat side for a 40° bite angle. They can be turned over and mounted on the slopped side for a 50° bite angle.

If experiencing difficulty penetrating soil, turn the Pengo teeth over and mount them on the slopped side for a more aggressive bite. Be sure to tighten all mounting hardware to the correct torque value. Refer to **"Torque Values Chart for Common Bolt Sizes"** on page 50 for torque ratings.



Pengo Auger Teeth Mounted at 40° and 50° Degrees
Figure 3-1

Transport With Post Hole Digger

WARNING

To avoid serious injury or death:

- *Cross ditches and enter inclines slowly and carefully. The auger can come in contact with the ground causing damage to the equipment and operator to lose control.*
- *Always travel straight up and straight down inclines. Never make turns on the incline.*
- *Slow down when traveling over rough or hilly terrain that can cause equipment to bounce, or to hit obstacles that are close by. Either situation can cause damage and/or the operator to lose control.*
- *When traveling on public roadways, travel in such a way that faster moving vehicles may pass safely. Use hazard lights, clean reflectors, and a slow moving vehicle sign that is visible from the back to warn operators in other vehicles of your presence. Always comply with all federal, state, and local laws.*

1. Select a safe ground travel speed when transporting from one area to another.
2. Transport Post Hole Digger low to the ground to maintain stability but at a height that does not block your view:
   - **Skid/Loader Plate Mount:** Transport with cylinders on end of loader arms fully retracted, motor/gearbox housing supported in the rest support, and auger low to the ground at a height that does not block your view.
   - **Bucket Mount:** Transport with auger hanging straight down and low to the ground at a height that does not block your view.
3. Always travel straight up and straight down inclines. Make turns only on level ground.
4. Enter ditches and inclines slowly to make sure the auger does not dig into the ground. Stop and raise auger if needed to cross a ditch or start up an incline.
5. Reduce skid steer ground speed when turning. Leave enough room to clear obstacles such as buildings, trees, and fences.
6. Keep away from electrical power lines. Place an orange warning sign under overhead power lines indicating type of danger above.
7. When traveling on roadways, transport in such a way that faster moving vehicles may pass you safely.
8. Reduce transport speed when traveling over rough or hilly terrain.

Operating Instructions

1. Carry the auger low to the ground while traveling between drilling positions.
2. Position tractor on the upside of the hill when drilling a hole. This will greatly improve its balance and down force.
3. Experiment with auger speeds before digging. Increase engine speed to increase auger speed and decrease engine speed to reduce auger speed. Run at higher speeds when digging in soft and/or sandy soils and lower speeds when digging in hard, rocky or frozen soils. Normal auger speed is 85 to 100 rpm. Never exceed an auger speed of 110 rpm or the equipment can become damaged.

IMPORTANT: Operate one function at a time. Operating two or more functions at a time (lift arms, engine speed, and positioning) can lead to a damaged implement.

4. Maker sure auger rotation is stopped and then lower auger point to the ground.
5. With engine running at a slow speed, start auger turning clockwise. Increase engine speed to desired digging speed.

IMPORTANT: Avoid moving or causing side pressure on the auger while in the ground. This can damage the auger and drive components.

6. Periodically adjust the machine's position to keep the auger and hole vertical. Be careful not to damage gearbox or auger.
7. If possible, apply down pressure to assist penetration into the ground. If auger speed slows or stops, back off down pressure. Excessive down pressure can stall the auger.

IMPORTANT: Always stop auger from rotating 1 to 2 feet (30 to 60 cm) before it is out of the hole. This will keep the auger from wobbling with an unbalanced dirt load.

IMPORTANT: If auger stalls while digging, raise auger to free it. Continue normal digging operations by lowering the auger slowly into the hole.

IMPORTANT: If auger starts to screw itself into the soil, stop auger rotation immediately and raise auger to free it. Continue normal digging operations by lowering the auger slowly into the hole.

IMPORTANT: If the dirt auger can not penetrate an obstruction, change auger head to the optional rock auger head, switch auger to the optional rock auger, or dig a new hole nearby. See "Options & Accessory" section in this manual for optional rock auger heads and rock augers.

IMPORTANT: Do not reverse auger rotation when raising it up. This will dump soil back into the hole.

IMPORTANT: Some tractors have a hydraulic relief valve to protect the equipment. This valve will open in a stalled situation and allow oil to bypass. Check your tractor Operator's Manual to see if it is equipped with a relief valve.

8. After penetrating the ground approximately 24" (60 cm), stop auger rotation and raise it up to remove soil and debris from the hole. Lower auger back down to continue digging. Dig another 24" (60 cm) and again raise auger up except this time keep auger turning to lessen the strain on the equipment. Stop raising auger within 1 to 2 feet (30 to 60 cm) of being out of the hole and lower it back down to continue digging. Repeat this procedure until hole is at its final depth.
9. Allow auger to turn several revolutions at final depth. With auger still turning, raise auger up to within 1 to 2 feet (30 to 60 cm) of being out of the hole. Stop auger rotation and continue to raise auger out of the hole.
10. If connected to a front loader, roll tilt arms into a low carry position; and if connected to a 3-point hitch, raise auger to an acceptable height before transporting. Be careful to watch out for people, obstructions, and uneven terrain.

General Operation

By now you should have thoroughly read your Operator's Manual, properly installed your Post Hole Digger onto your machine and performed your pre-start and operational running checklist. If you plan to dig holes immediately, you should have also contacted your local utility companies to make sure it is safe to dig where you plan to work. If you haven't done all of the things just described above, please stop and do them now. This is a must for your safety and the safety of others.

Now that you are properly briefed, your Post Hole Digger is properly installed, and you have the proper digging authorization from the utility companies, it's time to transport to the work site. Make sure that the Post Hole Digger is in the raised position and not in contact with the ground. If you have an extensive distance to travel, you may want to secure the auger with ropes, slings, or chains to prevent swinging and damage during transport. Select a safe speed and transport to your digging site in such a manor that faster moving vehicles can pass you safely. A slow moving vehicle sign should be employed if you are using a public road or right-of-way.

Once you have safely arrived at your digging site, position your tractor so that the auger is directly over the spot where you want to dig a hole. Make sure your operator protective shield or safety door is securely in place. Lower auger to a point where the auger clears the ground by approximately 12" (30 cm). Do not operate the digger when the auger is more than 12" (30cm) above ground level or the auger could bind or swing erratically causing injury to the operator and damage to the equipment.

With the engine at idle, engage hydraulic circuit and raise engine rpm to operate at the recommended hydraulic flow to a point where the auger is turning at a speed of approximately 85 to 100 rpm. (Refer to **"Gallons per minute rating"** on page 44 for recommended hydraulic flow) Do not operate the auger at speeds over 110 rpm or damage to the Post Hole Digger and skid steer/tractor could result. Using the controls, lower the auger into the ground until the desired depth is achieved and then raise the spinning auger back up to remove extraneous soil. Once the hole is completed, disengage hydraulic drive circuit, raise auger to a point where the auger tip is approximately 12" (30 cm) off of the ground, release the park brake, and move away from the hole.

If an obstacle is encountered that stalls the auger, reverse auger rotation and lift up to clear the obstacle. Periodically adjust the machine's position to keep the auger and hole vertical. Be careful not to damage gearbox or auger.

Before dismounting your tractor; you must always set the park brake, lower Auger to the ground, turn off the machine, and remove the ignition key. If you must park on a hillside, you should always chock the tractor wheels for an extra measure of safety.

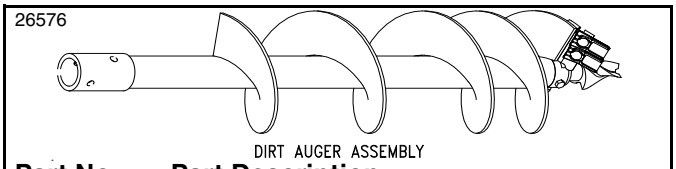
With a little practice and experience you should become very good at operating your Land Pride HD25 or HD35 Series Post Hole Digger.

See **"Specifications & Capacities"** on page 44 and **"Features & Benefits"** on page 47 for additional information on performance enhancing options.

Dirt Augers (Option)

Refer to Figure 4-1:

Dirt augers are available with 2" diameter hubs and aggressive auger teeth.



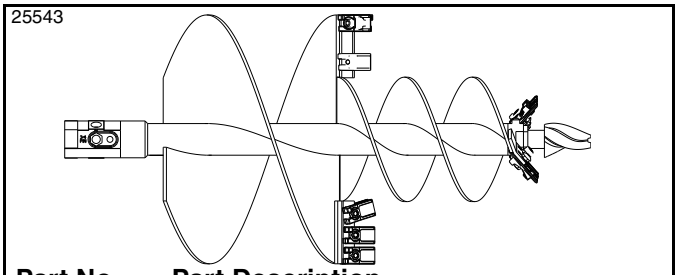
Part No.	Part Description
317-030A	6" (15 cm) Semi-Double Flight Auger Assembly
317-033A	9" (23 cm) Semi-Double Flight Auger Assembly
317-036A	12" (31 cm) Semi-Double Flight Auger Assembly
317-070A	15" (38 cm) Double Flight Auger Assembly
317-038A	18" (46 cm) Double Flight Auger Assembly

Dirt Augers
Figure 4-1

Tree Auger (Option)

Refer to Figure 4-2:

The Tree Auger is available with a 2" hub and aggressive auger teeth. It is excellent for digging holes that are larger in diameter at the top and smaller at the bottom. This hole design is good for planting bush, shrub, and tree bulbs at soil level and allowing the root system to reach down underneath to collect needed nutrients.



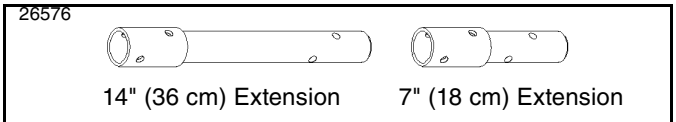
Part No.	Part Description
317-039A	24" (61 cm) Tree Auger Assembly

Tree Augers
Figure 4-2

Auger Extensions (Option)

Refer to Figure 4-3:

Land Pride offers as an accessory, 7" & 14" (18 & 36 cm) long auger extensions to best suit your application.



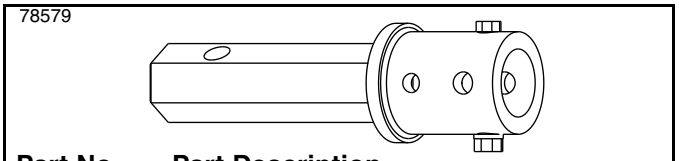
Part No.	Part Description
317-040A	PD 7" (18 cm) Auger Extension Assembly
317-041A	PD 14" (36 cm) Auger Extension Assembly

Auger Extensions
Figure 4-3

Auger Adapter (Accessory)

Refer to Figure 4-4:

This auger adapters converts the 2" round shaft to a 2" hex shaft.



Part No.	Part Description
892-048C	Auger Adapter, 2 RD - 2 HEX

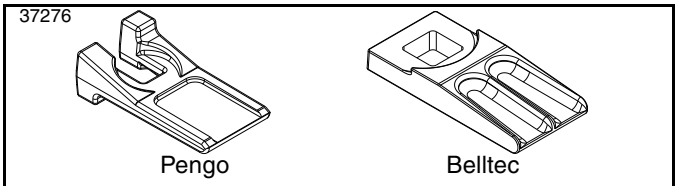
Auger adapter
Figure 4-4

Dirt & Tree Auger Teeth (Wear Part)

Refer to Figure 4-5:

Bolt-on replaceable Pengo and Belltec teeth are available. Pengo teeth are dual-angle teeth whereas Belltec teeth are not. For dual-angle teeth instructions, refer to **"Dual-Angle Pengo Teeth"** on page 27.

When ordering teeth, be sure to order the teeth that match the auger. They are not interchangeable.



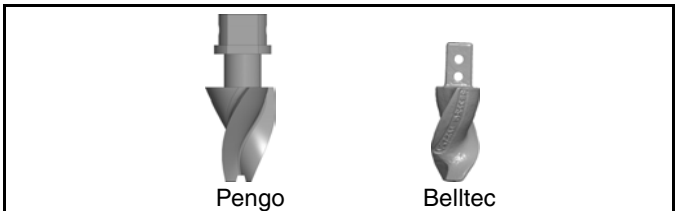
Part No.	Part Description
820-233C	Pengo Auger Tooth (Standard Tooth)
820-738C	Pengo Auger Tooth, Carbide (Service Part)
820-739C	Belltec Auger Tooth

Dirt and Tree Auger Teeth
Figure 4-5

Dirt Auger Points (Wear Part)

Refer to Figure 4-6:

Bolt-on replaceable auger points are available. When ordering a point, be sure to order a point that matches the auger. They are not interchangeable.



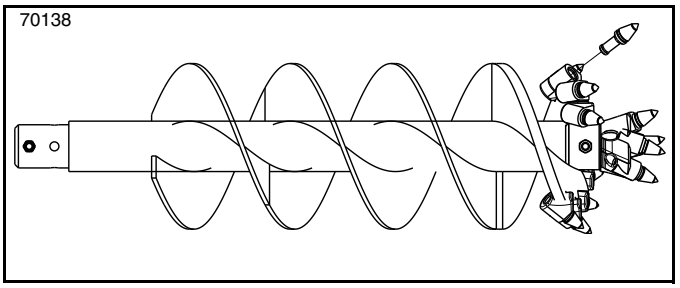
Part No.	Part Description
820-232C	Pengo Tri-Flow Pilot Bit
820-825C	Belltec Auger Fishtail Tip

Dirt Auger Points
Figure 4-6

Rock Augers (Option)

Refer to Figure 4-7:

PD/HD Rock Augers	
Part No.	Part Description
317-258A	PD 6" (15 cm) Rock Auger Assembly
317-259A	PD 9" (23 cm) Rock Auger Assembly
317-260A	PD 12" (31 cm) Rock Auger Assembly
317-261A	PD 15" (38 cm) Rock Auger Assembly
317-262A	PD 18" (46 cm) Rock Auger Assembly

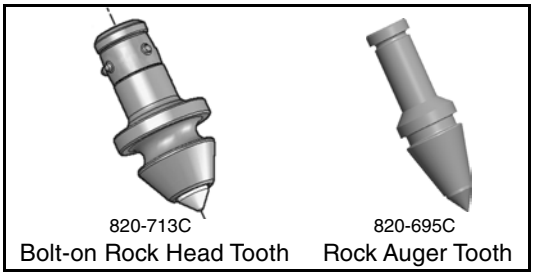


PD/HD Rock Augers
Figure 4-7

Rock Auger Teeth

Refer to Figure 4-8:

Rock Auger Teeth	
Part No.	Part Description
820-695C	Belltec Auger Tooth (For Rock Augers)
820-713C	Pengo Rock Auger Tooth (Bolt-on Rock Heads)



Rock Auger Teeth
Figure 4-8

HD25/35 3-Point Down Pressure Kit

Refer to Figure 4-9:

Land Pride offers a Down Pressure Kit for 3-point Post Hole Diggers to provide additional digging force in hard soil by use of a hydraulic cylinder (#1) to press down on the boom. The down pressure created is between 300 and 500 lbs (136 and 227 kgs) depending on mounting configuration.

IMPORTANT: Not providing some form of down pressure relief to the hydraulic system can damage the post hole digger and tractor when raising auger.

IMPORTANT: The "Down Pressure" relief valve is factory set to 1500 psi (103 Bar) and must not be changed. Exceeding this pressure can damage equipment.

DANGER

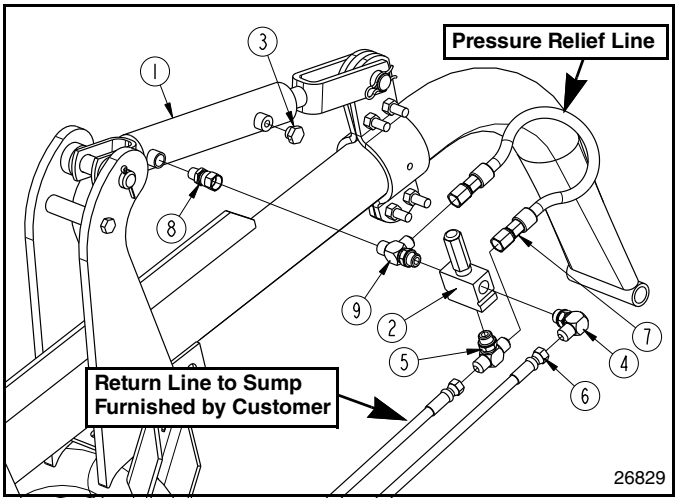
To avoid serious injury or death:

Relieve all hydraulic pressure before disconnecting any lines or pipes between the implement and tractor hydraulic system.

WARNING

To avoid serious injury or death:

- *Hydraulic fluid under high pressure will penetrate the skin or eyes causing serious injury. Wear protective gloves and safety glasses or goggles when working with hydraulic systems. Use a piece of cardboard or wood, rather than hands, when searching for leaks. If an accident occurs, seek immediate emergency medical care or gangrene may result. DO NOT DELAY.*
- *Always follow "Tractor Shutdown Procedure" provided in this manual before dismounting the tractor.*



Down Pressure Kit
Figure 4-9

The down pressure kit is ready for operating after it has been properly installed on the Post Hole Digger (see following pages for Assembly Instructions). This kit should be used only on hard soils where the auger will not penetrate the ground on its own.

Normal digging operations are made with remote control lever for the down pressure cylinder in neutral position. When encountering hard soil, move control lever in the proper direction to apply pressure. When lever is held in this position, hydraulic pressure will not exceed 1500 psi (103 Bar). Return control lever to neutral to continue normal digging operations.

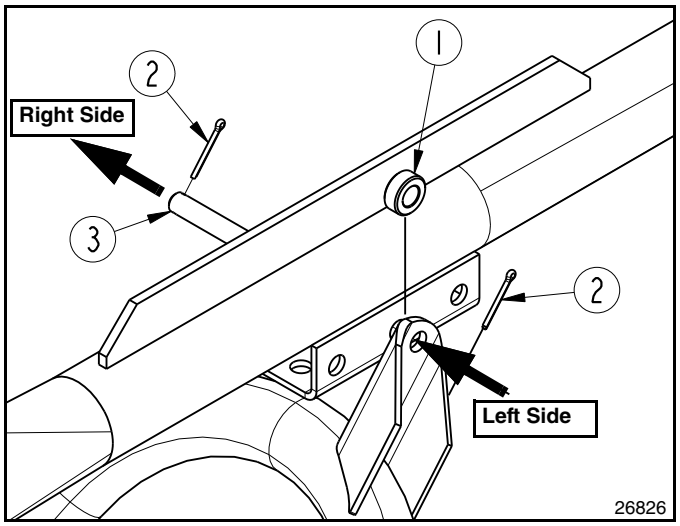
Kit Bundle Part Number and Description

317-028A HD25/35 Down Pressure Kit

Down Pressure Kit Assembly

Refer to Figure 4-10:

1. Lower Post Hole Digger until auger point is resting on the ground.
2. Remove cotter pins (#2) holding pivot pin (#3) in place.
3. Partially remove pivot pin to the right side until spacer (#1) can be removed from the left side.



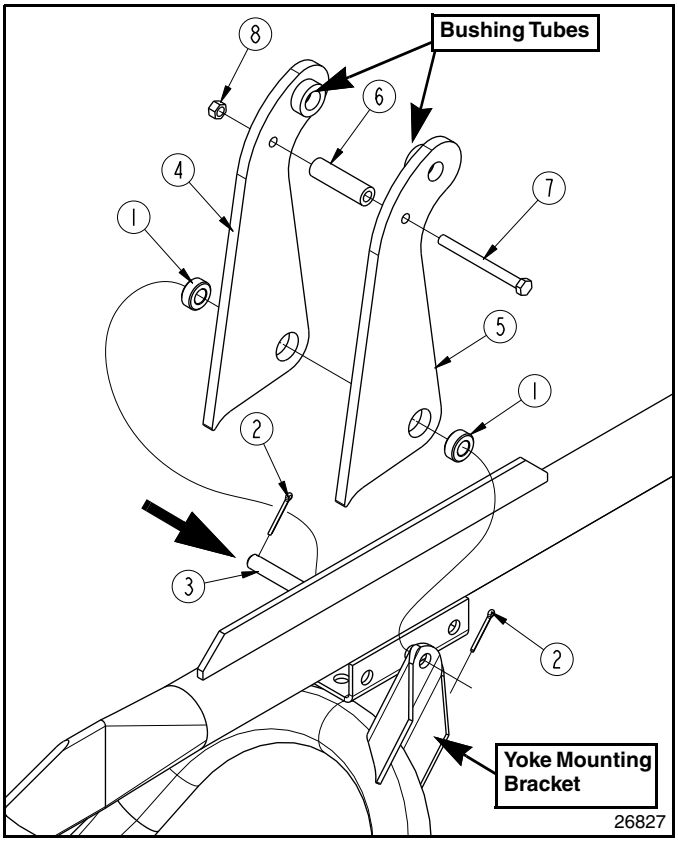
Boom/Yoke Pivot Pin and Spacer Removal
Figure 4-10

Refer to Figure 4-11:

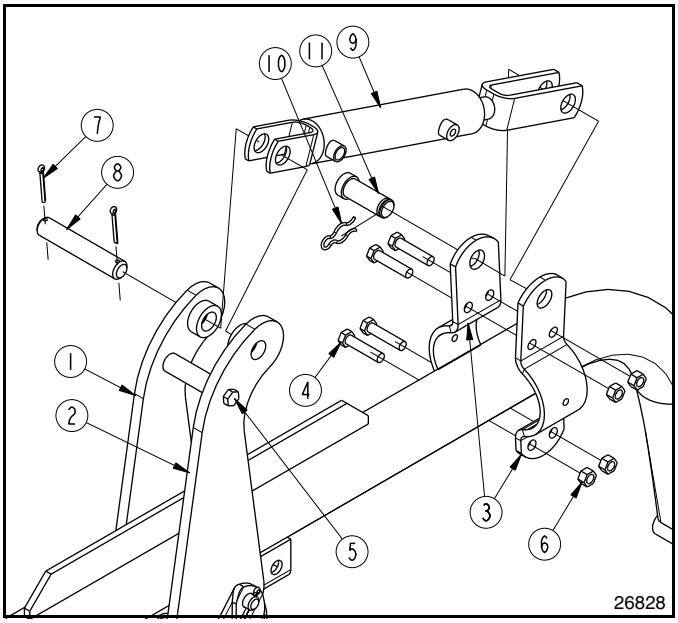
4. Insert spacer (#1) into hole in down pressure cylinder plate (#5) located on the left side of Post Hole Digger.
5. Place left side cylinder plate with spacer back into pin position. Make sure bushing tube at the top is pointing inward as shown.
6. Push pin (#3) in until pin projects through spacer (#1) and out through yoke mounting bracket on the left side.
7. Repeat steps 3 to 6 for the right side spacer and down pressure cylinder plate (#4).
8. Install spacer (#6) between cylinder plates (#4 & 5).
9. Insert bolt (#7) through cylinder plates (#4 & 5) and spacer (#6). Draw nut up snugly, do not tighten.

Refer to Figure 4-12:

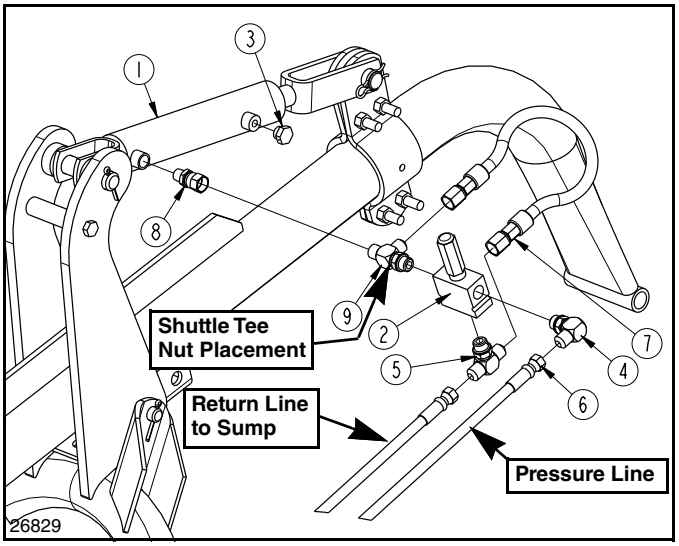
10. Attach cylinder (#9) between cylinder plates (#1 & #2) with pin (#8). Insert both cotter pins (#7) into pin (#8) and bend one or more legs to prevent pin from falling out.
11. Torque 1/2" x 5 1/2" bolt (#5) to 76 ft-lbs (103 Nm).
12. Attach clamp plates (#3) to digger boom with 1/2"-13 x 2 1/4" GR5 bolts (#4) and locknuts (#6). Thread nuts only one or two full turns to allow for easier attachment of down pressure cylinder (#9). Do not tighten nuts (#6) until step 6 on page 34.
13. Fully retract hydraulic cylinder (#9) and connect cylinder to clamp plates with cylinder pin (#11). Secure pin with hairpin clip (#10).



Cylinder Plate Installation
Figure 4-11



Cylinder Clamp Plate Installation
Figure 4-12

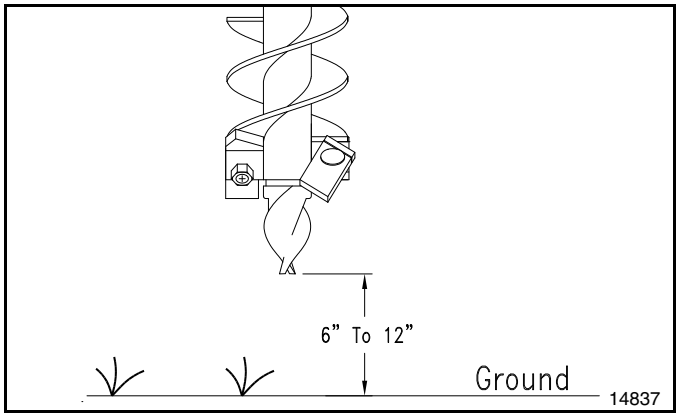


Down Pressure Cylinder Plumbing
Figure 4-13

Refer to Figure 4-13:

14. Install hydraulic plumbing using teflon tape to seal pipe threads. Do not tighten connections until after all fittings have been installed.
    a. Connect plug (#3) to rod end of hydraulic cylinder (#1).
    b. Connect straight fitting (#8) to clevis end of hydraulic cylinder (#1).
    c. Connect shuttle tee fitting (#9) to straight fitting (#8).
    d. Connect pressure relief valve (#2) to shuttle tee (#9).
    e. Connect standard tee fitting (#5) to the bottom end of pressure relief valve (#2).
    f. Connect 90° elbow fitting (#4) to remaining port of pressure relief valve (#2).
    g. Connect 3/8" x 15 3/4" bypass line (#7) to shuttle tee (#9) and standard tee (#5).
    h. Connect 3/8" x 84 1/2" pressure line (#6) to 90° elbow fitting (#4).
    i. Customer to provide return line. Connect return line to tee fitting (#5).
    j. Connect pressure line (#6) to the tractor hydraulic outlet. Connect return line to reservoir or sump.

IMPORTANT: Do not connect return line to the tractor remote outlet. Damage will occur to digger frame if not properly hooked up to reservoir or sump.



Setting Down Pressure Kit
Figure 4-14

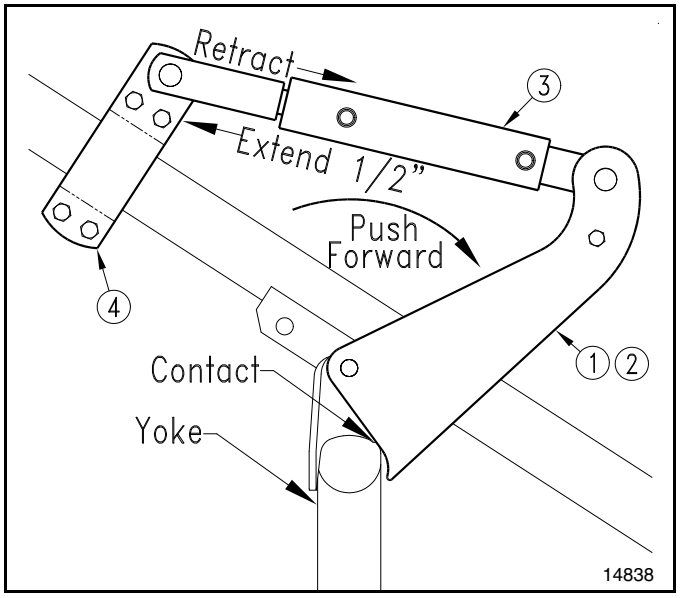
Adjust Down Pressure Kit

Refer to Figure 4-14:

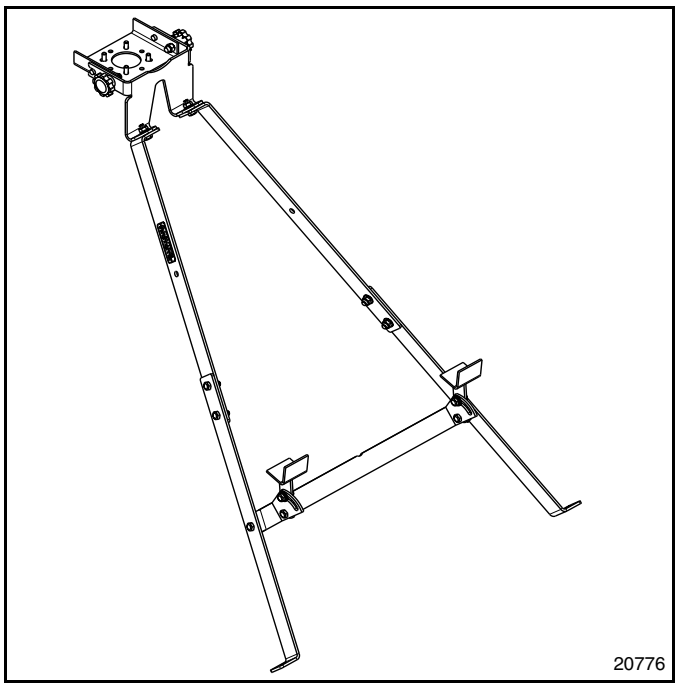
1. Raise Post Hole Digger so that auger tip is 6" to 12" (15 to 30 cm) above ground.
2. Set tractor 3-point up-stop to limit auger maximum raised height to 12" (30 cm). Exceeding this height can cause undue stress on Driveline and cause driveline damage.

Refer to Figure 4-15:

3. Loosen bolts in clamp plates (#4).
4. Push top of cylinder mounting plates (#1 & #2) forward toward the tractor until plates have firmly contacted digger yoke.
5. Make sure cylinder clamp plates (#4) will move fairly free on digger boom and that cylinder (#3) is fully retracted.
6. Extend cylinder (#3) 1/2" and tighten bolts in clamp plates (#4) evenly to 76 ft-lbs.



Set Down Pressure Kit
Figure 4-15



Stand for 3-Point Mounted Diggers
Figure 4-16

Stand for 3-point Mounted Diggers

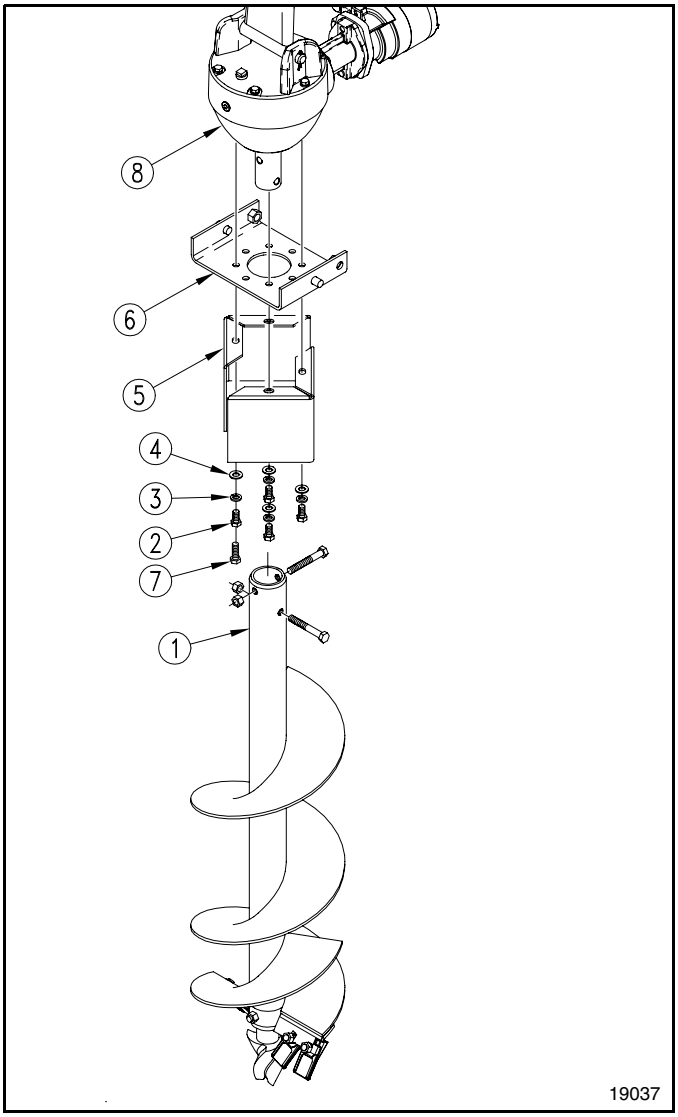
Part No. 317-142A

Refer to Figure 4-16:

The optional stand may be used for storing the 3-Point Mounted Post Hole Digger. It will help prolong your digger's life by keeping the unit off the ground where moisture and debris are most likely to collect on the unit causing undue damage to it. Also, the storage stand aids in mounting and dismounting the Post Hole Digger to and from the tractor's 3-point hook-up.

Kit Bundle Part Number and Description

317-142A PD15/25/35 Stand Assembly



Storage Stand Channel Assembly
Figure 4-17

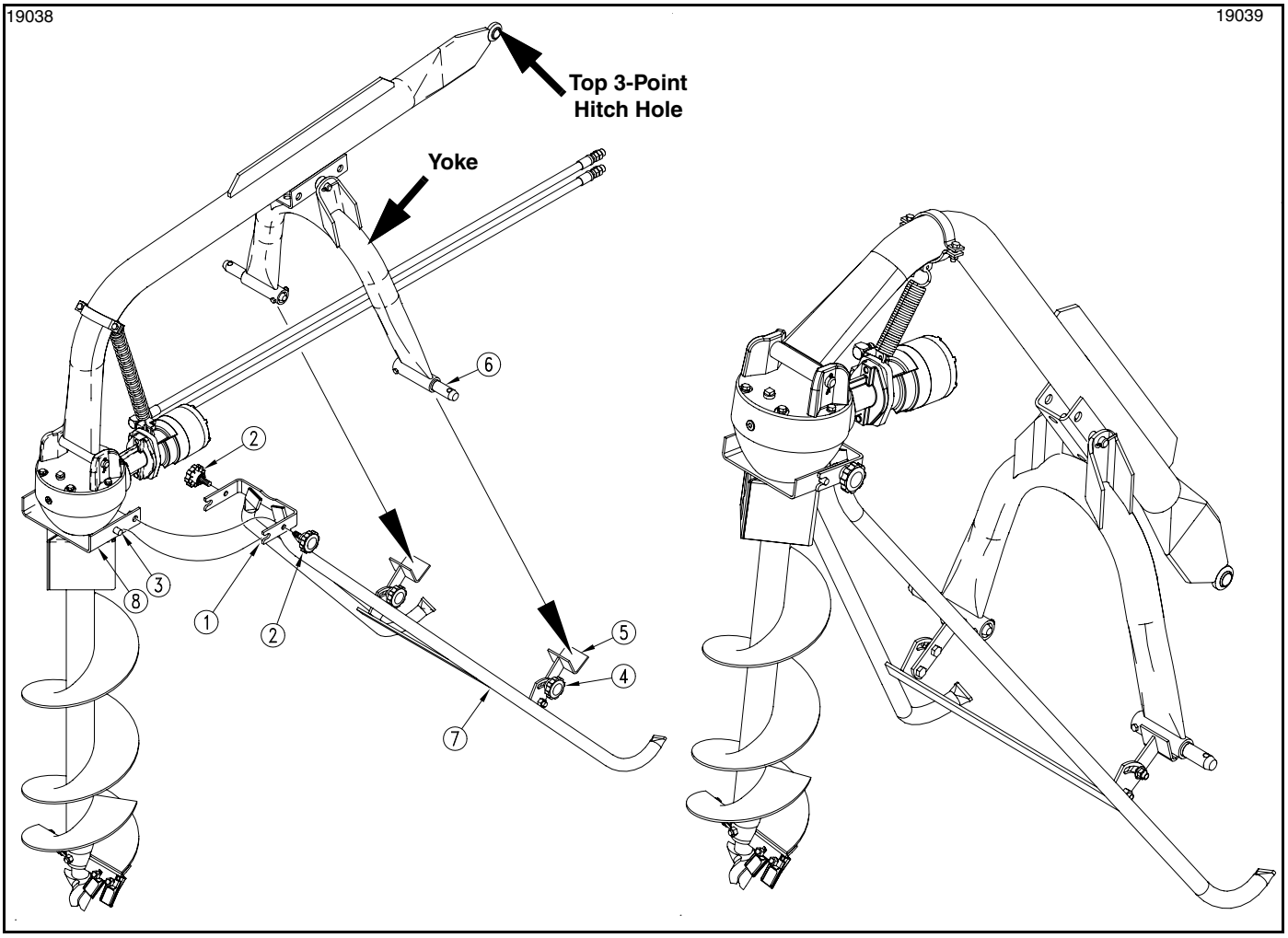
Storage Stand Channel Assembly

IMPORTANT: Park tractor and post hole digger on solid level ground to assemble storage stand and when using the storage stand to store unit.

Refer to Figure 4-17:

1. Remove auger (#1).
2. Remove guards (#5). Keep lock washers (#3) and flat washers (#4). Discard 3/4" (19 mm) long bolts (#2).
3. Attach stand channel (#6) and existing guards (#5) to underside of gearbox (#8) as shown using existing flat washers (#4), existing lock washers (#3), and 1" (2.5 cm) long bolts (#7) provided with stand assembly. Tighten bolts (#7) to the correct torque.

Re-assemble auger (#1) with existing hardware. Refer to **"Auger Assembly" on page 18** for detailed instructions.



Stand Assembly
Figure 4-18

Storage Stand Operation

Refer to Figure 4-18:

WARNING

To avoid serious injury or death:

Do not disconnect post hole digger from the tractor on a steep slope. Injury to personnel and implement may result.

1. Lower auger tip to the ground at the location you plan to disconnect the Post Hole Digger from the tractor. Set tractor park brakes, turn tractor engine off, and remove ignition key before dismounting the tractor. Always chock tractor wheels for an extra measure of safety if you stop on a gentle slope.
2. Attach storage stand (#7) to cradle (#8). Make certain guide slots (#1) at end of storage stand are securely positioned over cradle pins (#3).
3. Secure stand to cradle with clamping knobs (#2).
4. Disconnect hydraulic hoses and wrap them around the boom to keep fittings out of the dirt.
5. Unhook boom from the tractor's top 3-point center link hitch holes.

NOTE: There may be some lowering and lifting of the lower 3-point arms to properly position the yoke in the storage brackets. Also, the storage brackets may need to be raised, lowered, or flipped around to properly align with yoke frame.

6. Without starting the tractor, lower yoke hitch pins into support angles as follows:
   a. Loosen clamping knobs (#4) and adjust angle brackets (#5) to align with yoke hitch pins (#6).
   b. Tighten clamping knobs (#4).
   c. Lowering 3-point arms until yoke hitch pins (#6) are supported by angle brackets (#5).
7. Remove lower 3-point arms from yoke hitch pins.
8. Once the Post Hole Digger is disconnected and the tractor's 3-point arms are clear of the digger, drive tractor away being careful not to catch on the Post Hole Digger and Storage Stand.

HD 3-Point Mount Assembly

Refer to Figure 4-19:

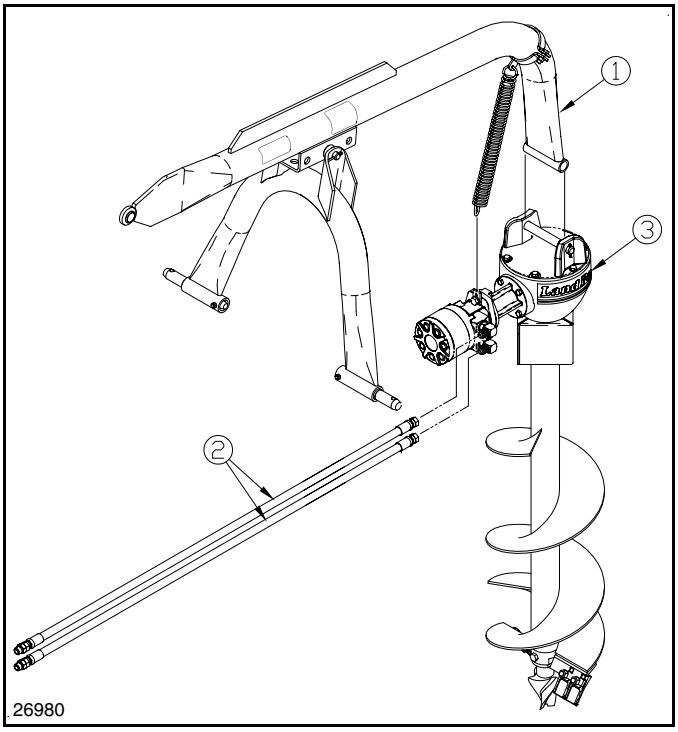
Your Bucket Mount Post Hole Digger or HD Skid/Loader Mount Post Hole Digger can be converted into a 3-Point Post Hole Digger by purchasing Land Pride's HD 3-Point Mount Assembly (#1) with two 66" (168 cm) long hydraulic hoses (#2) and attaching your existing hydraulic motor, gearbox, and auger assembly (#3) to the unit.

Some assembly is required. Required hardware, hydraulic hoses, and adapters are included. Quick release couplers are not included. See **"HD 3-Point Mount Assembly"** on page 14 for detailed instructions.

Part No. & Description

NOTE: Part No. 317-078A does not include hydraulic motor, gearbox, and auger assembly (#3).

317-078A HD 3-Point Mount Assembly with Hoses



HD 3-Point Mount Assembly
Figure 4-19

HD Bucket Mount Assembly

Refer to Figure 4-20:

Your 3-Point or skid/loader mount Post Hole Digger can be converted into a Bucket Mount Post Hole Digger by purchasing Land Pride's HD Bucket Mount Assembly (#1) and attaching your existing hydraulic motor, gearbox, and auger assembly (#3) to the unit.

Two 24'-4" (7.4 m) long hydraulic hoses with adapters (#2) can also be purchased with the Bucket Mounting Assembly to complete the fit-up.

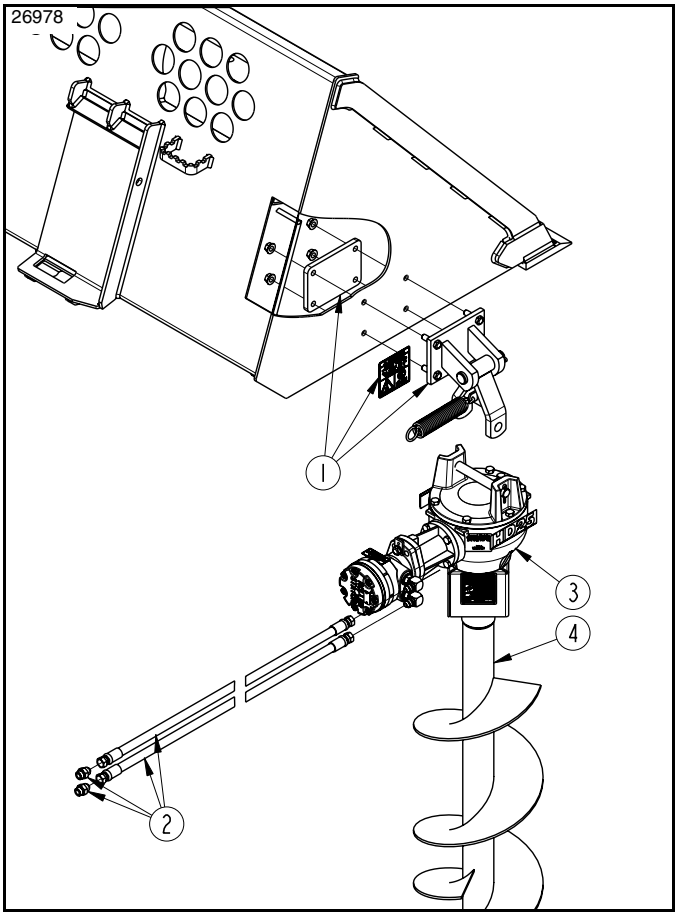
Some assembly is required. Required hardware, hydraulic hoses, and adapters are included. Quick release couplers are not included. See **"HD Bucket Mount Assembly"** on page 15 for detailed instructions.

Part No. & Description

NOTE:
Part No. 317-077A: Includes Bucket Mount (#1) only. Hydraulic Hoses (#2), Motor and Gearbox assembly (#3), and Auger (#4) sold separately.

Part No. 317-082A: Includes Bucket Mount (#1) and Hydraulic Hoses (#2). Motor and Gearbox assembly (#3) and Auger (#4) sold separately.

317-077A HD Bucket Mount Assembly without Hoses
317-082A HD Bucket Mount Assembly with Hoses



HD Bucket Mount Assembly
Figure 4-20

Tractor Front Loader Mount

Refer to Figure 4-21:

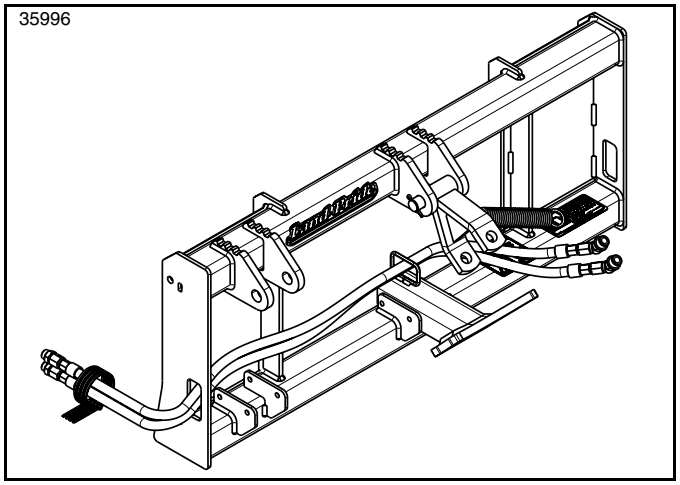
Your HD 3-Point Mount or HD Bucket Mount Post Hole Digger can be converted into a tractor Front Loader Quick Hitch Mount by purchasing Land Pride's QA Mount with 24' (7.32 m) Hoses and assembling your existing hydraulic motor, gearbox, and auger assembly (not shown) to the unit. (Continue on page 38)

Required hardware, hydraulic hoses, and fittings are included. Quick release couplers are not included. See **"Skid/Loader Mount Assembly"** on page 16 for detailed instructions.

Part No. & Description

NOTE: Part No. 317-205A does not include hydraulic motor, gearbox, and auger assembly.

317-205A QA MOUNT W/ 24' HOSES



Tractor Front Loader Quick Hitch Mount
Figure 4-21

Skid Steers/Track Loader Mount

Refer to Figure 4-22:

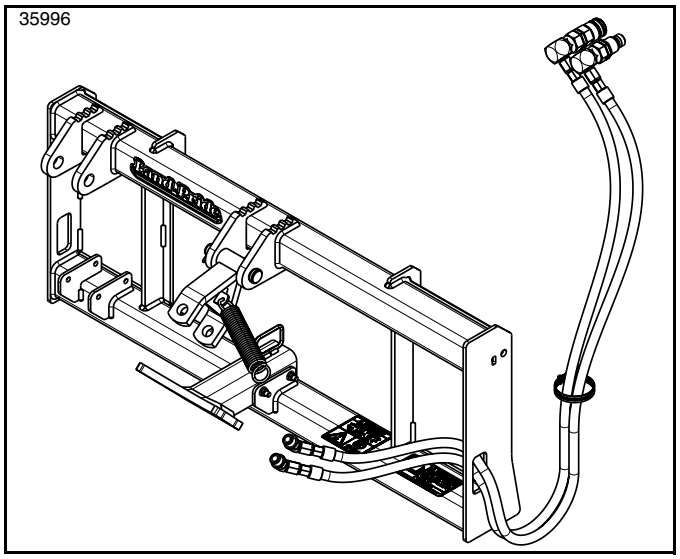
Your HD 3-Point Mount or HD Bucket Mount Post Hole Digger can be converted to a Skid Steer Mount by purchasing Land Pride's Quick Attach Mount with 8' Hoses and attaching your existing hydraulic motor, gearbox, and auger assembly (not shown) to the unit.

Required hardware, hydraulic hoses, fittings, and quick release couplers are included. See **"Skid/Loader Mount Assembly"** on page 16 for detailed instructions.

Part No. & Description

NOTE: Part No. 317-206A does not include hydraulic motor, gearbox, and auger assembly.

317-206A QA MOUNT W/ 8' HOSES



Skid Steers and Track Loader Quick Hitch Mount
Figure 4-22

HD25/35 QA Mount (Accessory)

Refer to Figure 4-23:

With the HD25/35 QA Mount (#1), the HD 3-Point Mount or HD Bucket Mount can be converted to a quick hitch mount for the tractor front loaders, skid steers, or track loaders. The existing hydraulic motor/spring/gearbox/ auger assembly, fittings, and couplers are assembled to the HD25/35 QA Mount.

The customer must always supply new hydraulic hoses and fittings when converting the HD 3-Point Mount to the HD25/35 QA mount.

The customer can use the existing hydraulic hoses and fittings when converting the HD Bucket Mount to the HD25/35 QA mount for a tractor front loader.

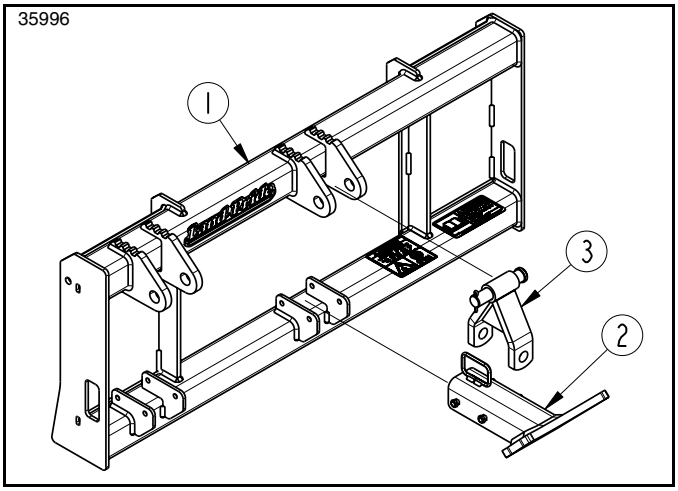
The customer must supply short hydraulic hoses with sleeves and fittings when converting the HD Bucket Mount to the HD25/35 QA mount for a skid steer or track loader.

To complete the conversion, the customer may also chose to purchase the gearbox rest assembly (#2) and/or clevis and pin assembly (#3).

See **"Skid/Loader Mount Assembly"** on page 16 and **"Skid/Loader Hose Assembly"** on page 17.

Part No. & Description

317-203A	HD25/35 QA Mount Assembly (#1)
317-204A	Gearbox Rest Assembly (#2)
317-196A	Clevis and Pin Assembly (#3)

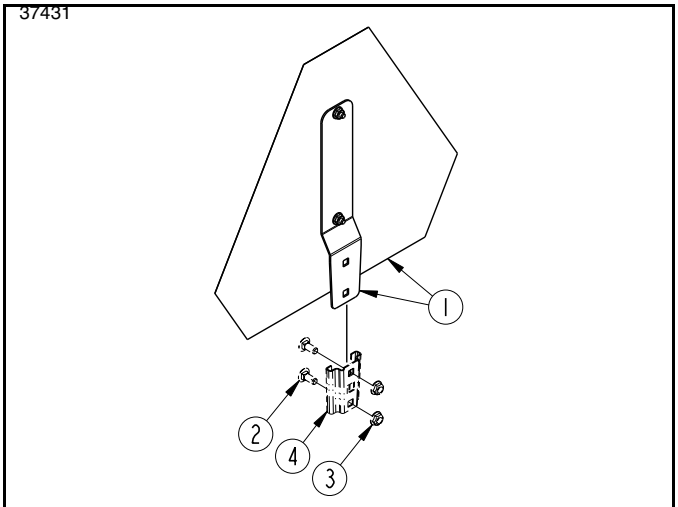


HD25/35 QA Mount, Gearbox Rest, and Clevis & Pin
Figure 4-23

Slow Moving Vehicle Sign Accessory

Refer to Figure 4-24:

If your tractor does not have a movable sign that fits Land Pride's mounting socket (#4), you can purchase the slow moving vehicle sign (#1) to fit the socket. If you have need for mounting this sign on other equipment, you can purchase items (#2, #3, & #4) for mounting the sign.



Item	Part No.	Description
1	316-362S	SLOW MOVING VEHICLE SIGN
2	802-092C	RHSNB 5/16-18X3/4 GR5
3	803-177C	NUT HEX FLG TP LK 5/16-18ZNYCR
4	890-401C	MOUNTING SOCKET

Slow Moving Vehicle Sign
Figure 4-24

General Maintenance Information

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 Post Hole Digger have been specially designed and should only be replaced with genuine Land Pride parts. Do not alter the digger in a way which will adversely affect its performance.

Safety Information

DANGER

To avoid serious injury or death:

- *All guards and shields must be installed and in good working condition while operating the implement.*
- *Keep all persons away from the rotating auger. A person can become entangled or pinched in the unit.*
- *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:

- *Make sure controls are all in the neutral position or park before starting the power machine.*
- *Allow only persons to perform maintenance on this implement who have been properly trained in its safe operation.*
- *Make sure controls are all in the neutral position or park before starting the power machine.*
- *Always shut power machine down following the "Shutdown Procedure" provided in this manual before leaving the operator's station.*
- *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.*
- *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.*

Daily Inspections

1. Check all bolts after using the unit for several hours to be sure they are tight.
2. After each use, inspect auger for loose, worn, or damaged auger teeth, tip, flighting, and gearbox output shaft bolts and nuts.
3. Keep cutting edges sharp. Sharp cutting edges dig easier and better.
4. Check gearbox fluid level periodically. Refer to **"Gear Lube Fluid Level"** on page 42 for detailed instructions.
5. Replace any worn, damaged, or illegible safety labels by obtaining new labels from your Land Pride dealer.

Long-Term Storage

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

1. Remove any dirt and grease that may have accumulated on the digger and moving parts. Scrape off compacted dirt and wash surface thoroughly with a garden hose. A coating of oil may also be applied to the lower auger to minimize oxidation.
2. Check auger teeth and bolts for wear and replace if necessary. See **"Dual-Angle Pengo Teeth"** on page 27.
3. Inspect for loose, damaged, broken or worn parts and adjust or replace as needed.
4. Repaint parts where paint is worn or scratched to prevent rust. Ask your Land Pride dealer for aerosol touch-up paint. Paint is 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

5. Replace all damaged or missing decals.
6. Lubricate as noted. Refer to **"Lubrication Points"** on page 42.
7. Store Post Hole Digger on a level surface in a clean, dry place. Inside storage will reduce maintenance and make for a longer Post Hole Digger life.
8. Follow all unhooking instructions on pages 20 to21 when unhooking the Post Hole Digger.

Ordering Replacement Parts

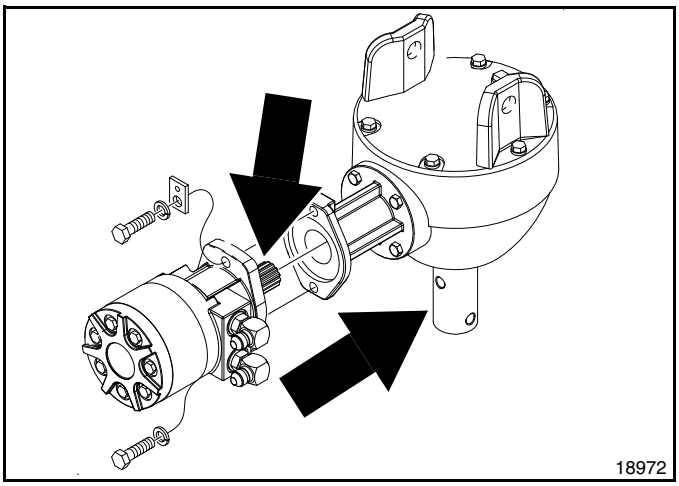
Land Pride offers equipment in factory standard beige with black highlights. Equipment may also be purchased in orange. Special attention must be given to the part number to prevent ordering the wrong color. A suffix number corresponding to one of the colors below must be added at the end of the part 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.

Lubrication Points

Lubrication Legend	Multi-purpose spray lube	Multi-purpose grease lube	Multi-purpose oil lube	50 hrs	Intervals in hours at which lubrication is required

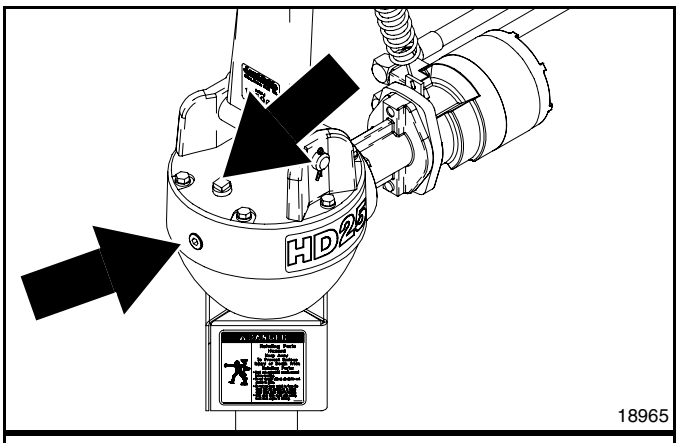


As Required

Gearbox Input and Output Shafts

Type of Lubrication: Multi-purpose grease

Quantity = Light film



NOTE: Use a suction or siphon pump to drain gearboxes of oil when there is not an oil drain plug.

As Required

Gear Lube Fluid Level

Type of Lubrication: SAE 90W Multi-purpose lube

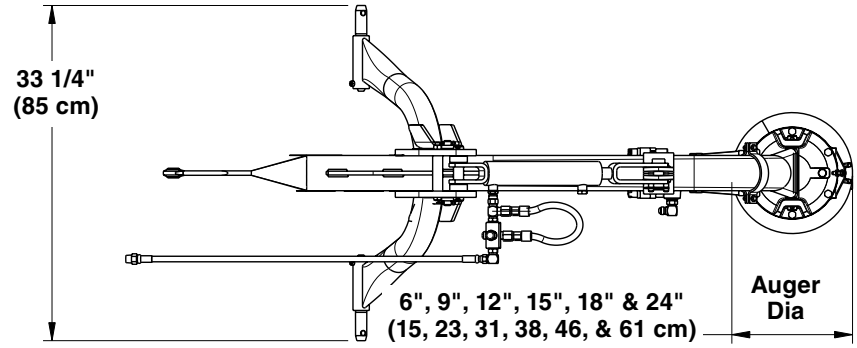
Quantity = With gearbox level, remove plug from side of gearbox to check oil level. If oil level is low, remove top plug and fill with lube until fluid flows from side port. Do not overfill. Tighten plugs after properly filling the gearbox.

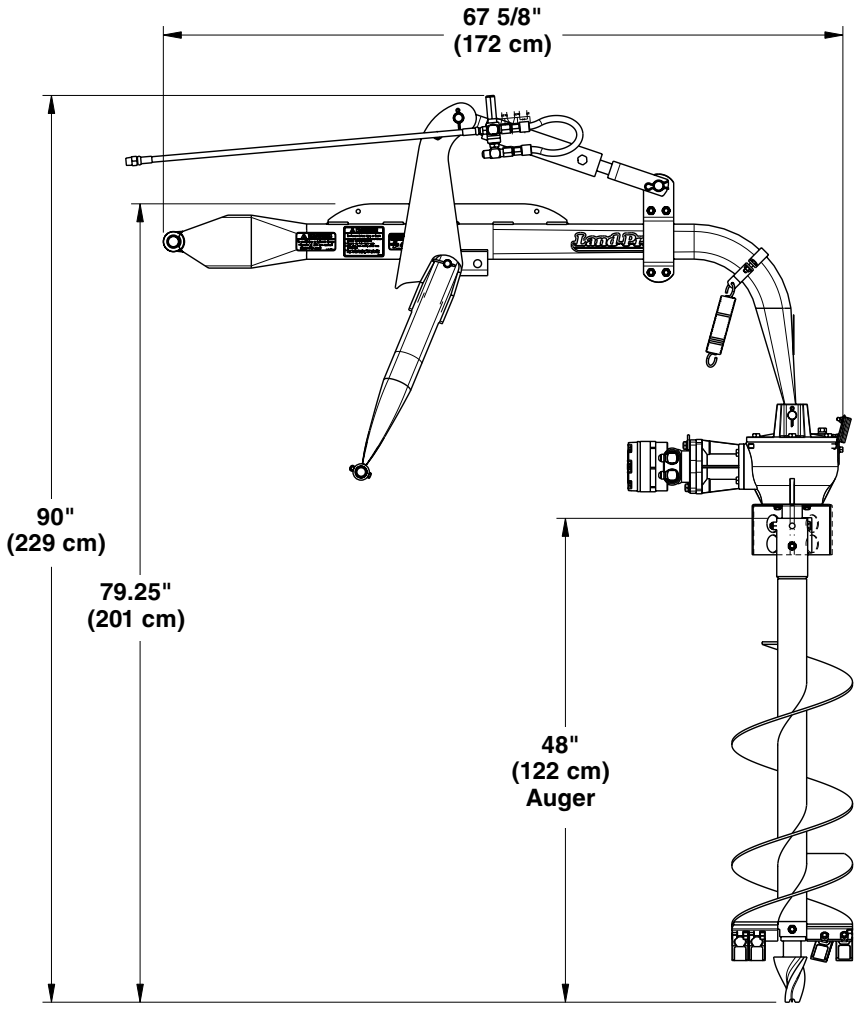
The page left blank intentionally.

HD25 and HD35 Models

Specifications & Capacities						
Models	**HD25**			**HD35**		
Mount Type	**3-Point Mount**	**Skid/Loader Mount**	**Bucket Mount**	**3- Point Mount**	**Skid/Loader Mount**	**Bucket Mount**
Hitch type	3-Point Cat I or II	Skid/Loader Mount	Bucket Mount	3-Point Cat I or II	Skid/Loader Mount	Bucket Mount
Hydraulic hoses	Standard		Optional	Standard		Optional
Auger drive	Hydraulic			Hydraulic		
Gallons per minute rating	5 -12 gpm @ 1500 to 3500 PSI (18.9-45.4 Lpm @ 103-241 Bar)			10 -25 gpm @ 1500 to 3500 PSI (37.9-94.6 Lpm @ 103-241 Bar)		
Max torque @ 2500 PSI	700 ft-lbs			1605 ft-lbs		
Maximum auger rpm	101 rpm			93 rpm		
Weight with 6" auger	235 lbs (107 kg)	268 lbs (122 kg)	170 lbs (77 kg)	235 lbs (107 kg)	268 lbs (122 kg)	170 lbs (77 kg)
Gearbox	3.18:1 Ratio			3.18:1 Ratio		
Gearbox oil capacity and type	4.7 Pints (2.22 L) of gear lube 80-90W EP			4.7 Pints (2.22 L) of gear lube 80-90W EP		
Output shaft on gearbox	2" O.D. round			2" O.D. round		
Yoke	2 7/8" O.D.	Not applicable		2 7/8" O.D.	Not applicable	
Boom	Reinforced 3 1/2" O.D.	Not applicable		Reinforced 3 1/2" O.D.	Not applicable	
Options						
Dirt Auger diameters	6", 9", 12", 15", or 18" (15, 23, 31, 38, & 46 cm)					
Rock Auger diameters	6", 9", 12", 15", or 18" (15, 23, 31, 38, & 46 cm)					
Tree Auger diameter	24" (61 cm)					
Auger teeth	Individually replaceable (Pengo teeth only: 40° angle on flat side or 50° angle on sloped side)					
Number of teeth	6" - 2 teeth, 9" - 2 or 4 teeth, 12" - 4 teeth, 15" - 5 teeth, 18" - 6 teeth, and 24" - 10 teeth					
Auger Pilot	Cast steel with two or three drill points					
Auger length	Dirt and Tree Augers: 48" (122 cm) Rock Augers: 45" (114 cm)					
Auger pipe	2 1/2" dia. (6.4 cm)					
Auger flighting thickness	1/4" (6 mm)					
Accessories						
7" (18 cm) Auger Extension	Available, Weight = 9 lbs (4 kgs)					
14" (36 cm) Auger Extension	Available, Weight = 15 lbs (7 kgs)					
Hex Auger Adapter	Available, Weight = 12.4 lbs (5.6 kg) 2" (5.1 cm) Round hub to 2" (5.1 cm) hex shaft					
Bolt-on Rock Heads	Available in 6", 9", 12", 15", or 18" diameters					
Skid/Loader Quick Hitch Mount	N/A	Available	N/A	N/A	Available	N/A
PD storage stand	Available	N/A		Available	N/A	
Hydraulic Down Pressure Kit	Available	N/A		Available	N/A	

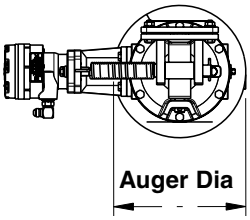
27527

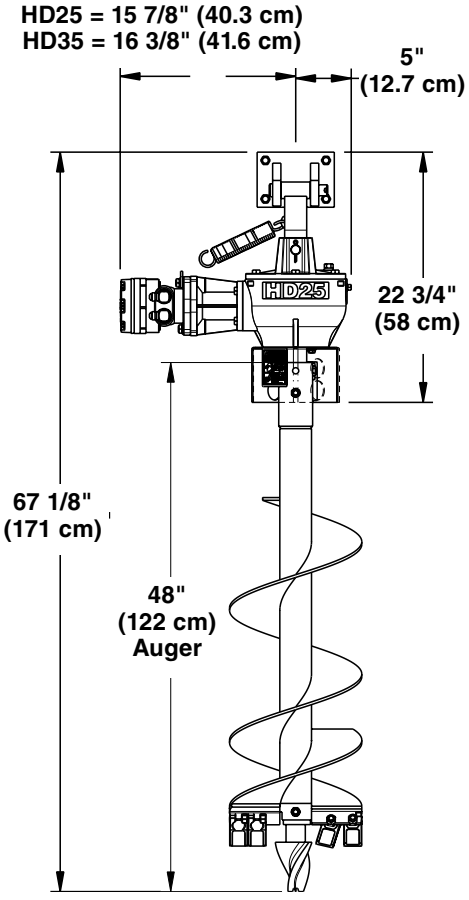




3-Point Mount Post Hole Digger

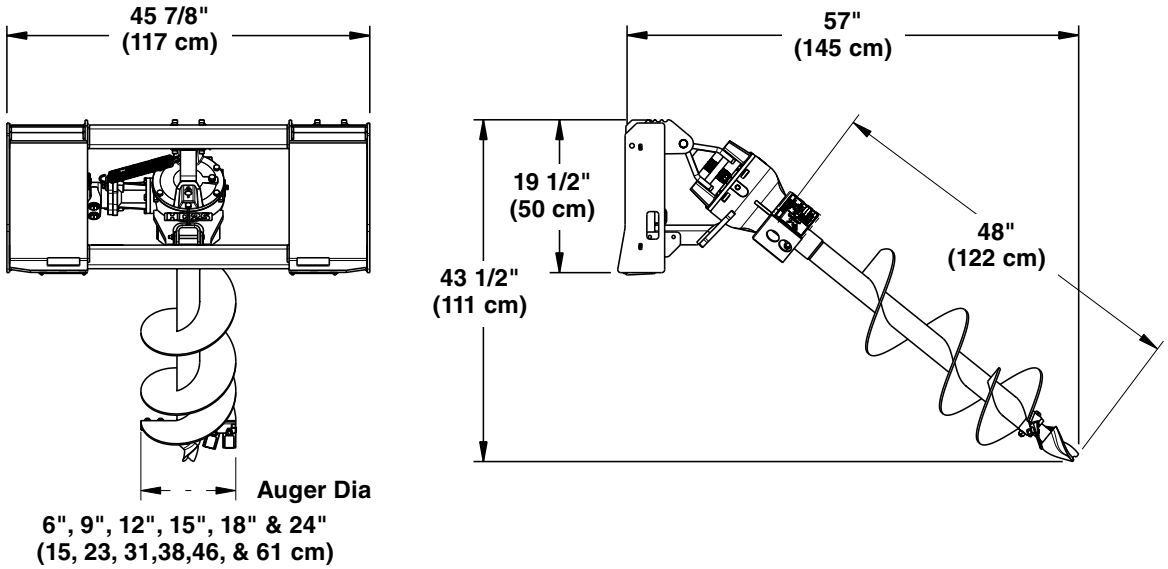
26779





Bucket Mount Post Hole Digger

37024



Skid/Loader Mount Post Hole Digger, Center and Offset Mount

HD25 & HD35 Series

Features	Benefits
3-Point yoke: 2 7/8" O.D.	3/16" (5 mm) Wall thickness for strength and durability.
3-Point boom: Reinforced 3 1/2" O.D.	7/32" (5.6 mm) Wall thickness reinforced with 3/8" x 2" bar makes for a strong boom.
Large selection of augers	Variety of Dirt Auger and Rock Auger sizes and styles to suit many applications.
Large selection of bolt-on Rock Heads (accessory)	All sizes of Land Pride HD25 and HD35 Pengo Dirt Augers can be converted to Rock Augers with this accessory.
Auger flighting	Constant thickness on 1/4" (6 mm) flighting verses tapered.
Replaceable cast alloy steel point with 3 fishtail tips	3 Fishtail tips will last 50% longer than 2 tips. Cast alloy steel point can easily be replaced when worn or damaged.
Replaceable dual angle teeth	Dual angle teeth can be changed from 40^{o} to 50^{o} to increase attack angle. Teeth can easily be replaced when worn or damaged.
25 Series	Use with hydraulic systems that pump at 5 –12 gpm, at 1500 – 3500 PSI.
35 Series	Use with hydraulic systems that pump at 10-25 gpm, at 1500 – 3500 PSI.
2" Output shaft	2" Handles torque loads that can be transmitted from hard ground. Fairly standard size for the industry, fits many competitive augers.
5 Year gearbox warranty	Shows our confidence in the gearbox integrity.
Hydraulic hose	Standard on 3-point Post Hole Diggers and skid/loader mount Post Hole Diggers. Optional on bucket mount Post Hold Diggers due to distance varying on the tractor models.
6", 9", 12", 15" & 18" (15, 23, 31, 38, & 46 cm) Diameter auger options	Wide range of auger diameters to choose from.
48" (122 cm) auger length	Auger is provided in industry standard length.
Three-Point Hitch Mount	
Cat. 1 & 2 hitch	Fits a wider variety of tractors by fitting Cat. 1 & 2 three-point hitches.
Bucket Mount	
Bolt-on mounting plate	Makes it easy to add this post hole digger to the side of a front mounted loader bucket.
Down pressure assist	Uses the bucket to help push the auger into the ground.
Skid Steer / Front Loader Quick Attach Mount	
Auger can be center mounted or offset 18" to the right	Improves line-of-sight and accessibility to hard to reach places..
	Steps incoprotated into the mounting points for safe entry into a skid steer or track loader.
Universal quick attach mount	Fits a wide range of tractors, skid steers, and track loaders with a universal quick attach hitch on the end of their loader arms.
	Quick and easy method to connect and disconnect the post hole digger.
	Loader arms can be used to aapply additional down force.
Gusseted corners and hitch bar	Provides added strength where others do not.
Dual hose routing openings	Allows hoses to be routed out either side of the frame
Compatible with current HD25/35 Post Hole Diggers	Allows HD25/35 bucket mount or 3-point options to be converted to universal quick attach.

Troubleshooting Chart

Problem	Cause	Solution
Auger will not dig	Teeth are dull.	Sharpen or replace teeth.
	Auger is turning too fast and bouncing.	Reduce engine speed. Do not exceed 300 rpm.
	Auger is encountering rocks, roots, or other obstructions.	Lift auger from hole and remove obstruction or change location.
	Tractor/skid steer is not positioned properly.	Reposition the tractor.
Auger digs so far, but will not dig deeper	Soil could have hardpan layer below surface.	Use optional Down Pressure Kit or loader hydraulic arms to push auger into ground. May need to use an extension.
3-Point Post Hole Digger sways side to side	No sway bars or sway blocks on tractor 3-point.	Add stabilizers to lower 3-point lift arms.
	Lift arms not adjusted evenly.	Adjust lift arms to be level with each other.
	Post Hole Digger is mounted with excessive looseness in the hitch connecting points.	Use proper size pins or bushings
Auger is bent and/or auger flighting is bent	Tractor/skid steer moved on its own while auger was in the hole.	Always make sure gear selector is in neutral or park and brakes are set.
	Operator moved tractor/skid steer excessively with auger in hole to try to straighten hole being dug at an angle.	Be careful not to damage gearbox or auger when moving. While digging, move tractor/skid steer in small increments to keep hole straight.
	Auger is encountering rocks, roots, or other obstructions.	Lift auger from hole and remove obstruction or change location.
Auger screws itself into the ground	Operator did not slowly lower Post Hole Digger to the ground.	Lower Post Hole Digger slowly to the ground.
	Faulty tractor hydraulics for the 3-point hitch.	Repair hydraulic for the 3-point hitch.
	Tractor is too small to handle digger.	Mount Post Hole digger on a larger tractor.
Excessive oil heating	Flow in hydraulic line is restricted due to dirt particles in fittings and twisted hydraulic hoses.	Remove dirt particles in fittings and untwist hydraulic hoses that may be pinched or kinked.
	Defective or mismatched coupler.	Replace with proper couplers.
	Hydraulic fluid is dirty.	Replace hydraulic fluid and filter.
	Insufficient quantity of hydraulic fluid.	Fill reservoir to proper level. Increase reservoir storage capacity.
	Digging load is excessive.	Reduce load to within machine specifications.
Gearbox is damaged	No oil in Gearbox.	Check oil level in gearbox per instructions.
	Oil not properly changed.	Change oil per **"Lubrication Points"**instructions on page 42.
Jerky operation	Cold oil or air in hydraulic lines.	Allow time for the hydraulic oil to warm up.
	Hydraulic system not working properly.	See tractor/skid steer Operator's Manual.
Insufficient digging power	Excessive wear of auger teeth or point.	Replace auger teeth or point.
	Low system pressure. (PSI)	Check system with pressure gauge. If low, investigate cause.
	Relief valve is damaged or is set wrong.	Refer to tractor/skid steer Operator's Manual.
	Excessive digging load.	Reduce load to within machine specifications.
Hydraulic Oil leaks	Loose or damaged hoses.	Tighten or replace hydraulic hoses.
	Loose or damaged fittings.	Tighten or replace hydraulic fittings.
	Hydraulic motor seals and gaskets are worn or damaged.	See dealer for repair.

Troubleshooting Chart

Problem	Cause	Solution
Auger does not rotate	Auger bolt is broken at the gearbox output shaft	Replace auger bolt.
	Roll pins are broken at the gearbox input shaft	Replace roll pins.
Auger turns in reverse direction	Tractor Mount: Hydraulic hoses are reversed at the tractor duplex outlet. Skid Steer Mount: Quick release couplers are reversed on the hydraulic hoses.	Tractor Mount: Switch hydraulic hoses at the tractor duplex outlet. Skid Steer Mount: Switch quick release couplers on the hydraulic hoses.
Auger speed is slow	Low hydraulic flow through the system.	Check with flow meter. If low, investigate and correct.
	Flow in hydraulic line is restricted due to dirt particles in fittings and twisted hydraulic hoses.	Remove dirt particles in fittings and untwist hydraulic hoses that may be pinched or kinked.
	Defective or mismatched couplers.	Replace with proper couplers.
	Fittings and/or connections are too small.	Replace with proper size fittings and/or connections.
	Dirty oil filter.	Replace oil filter.
	Worn or damaged hydraulic pump.	See dealer for repair.
	Excessive wear of auger teeth or point.	Replace auger teeth and/or point.

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.

Auger: One year (somewhat considered a wear item.)

Gearbox: 5 years on Housing, Gears, and Shafts.

Hydraulic Motor: 5 years Parts and Labor.

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

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

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

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

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

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

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

Model Number _____ **Serial Number** _____



Corporate Office: P.O. Box 5060
Salina, Kansas 67402-5060 USA
www.landpride.com