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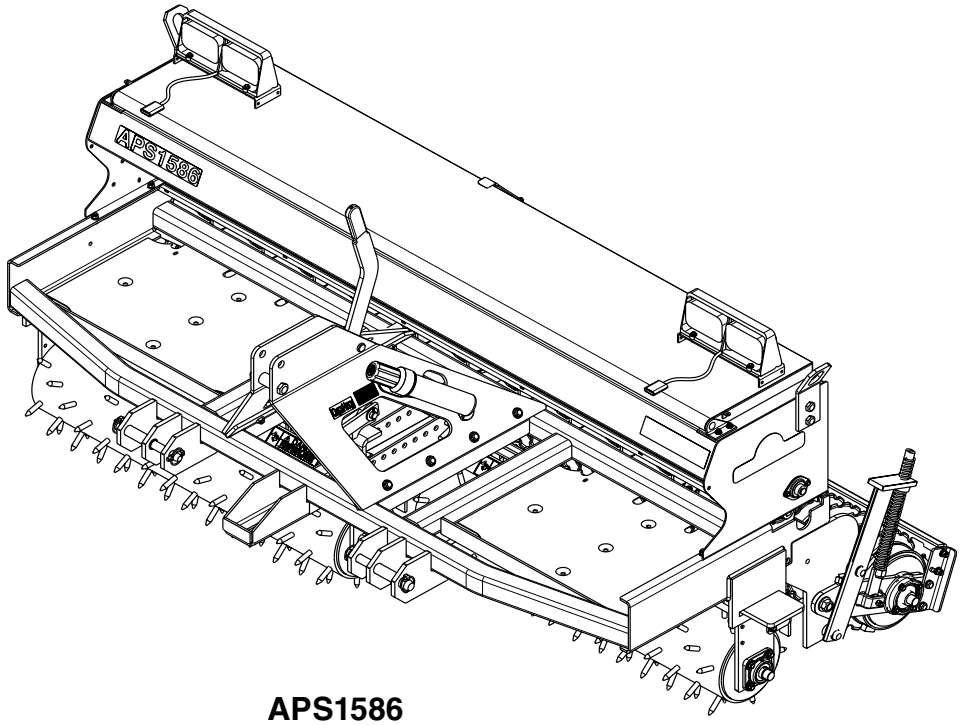
All Purpose Seeder

APS1548, APS1560, APS1572 & APS1586



APS1586

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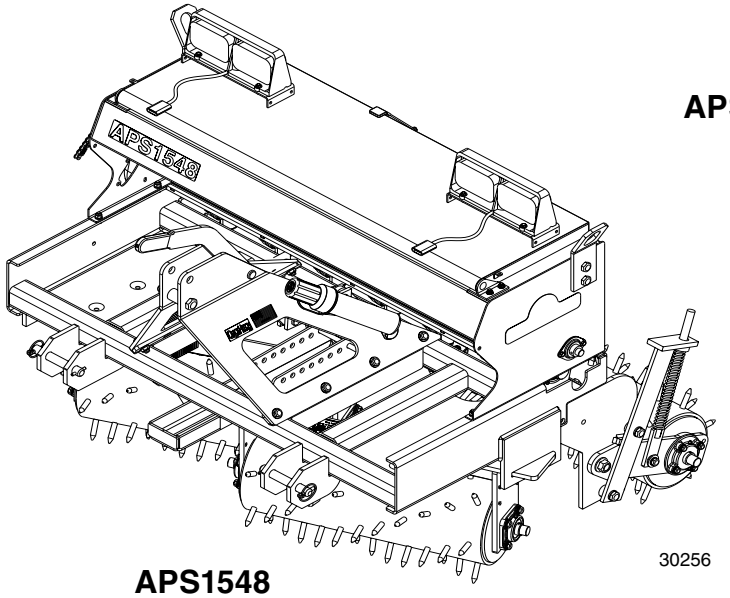

30256

APS1548

313-354M
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 2/12/21

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

:$51,1* &DQFHU DQG UHSURGXFWLYH KDUP

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See previous page for Table of contents.

Parts Manual QR Locator

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

Dealer QR Locator

The QR code to 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 you best assurance against an accident.

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

- V Thoroughly read and understand the "Safety Label" section. Read all instructions noted on them.
- V Do not operate the equipment while under the influence of drugs or alcohol as they impair the ability to safely and properly operate the equipment.
- V The operator should be familiar with all functions of the tractor and attached implement, and be able to handle emergencies quickly.
- V Make sure all guards and shields appropriate for the operation are in place and secured before operating the implement.
- V Keep all bystanders away from equipment and work area.
- V Start tractor from the driver's seat with hydraulic controls in neutral.
- V Operate tractor and controls from the driver's seat only.
- V Never dismount from a moving tractor or leave tractor unattended with engine running.
- V Do not allow anyone to stand between tractor and implement while backing up to implement.
- V Keep hands, feet, and clothing away from power-driven parts.
- V While transporting and operating equipment, watch out for objects overhead and along side such as fences, trees, buildings, wires, etc.
- V Do not turn tractor so tight as to cause hitched implement to ride up on the tractor's rear wheel.
- V Store implement in an area where children normally do not play. When needed, secure implement against falling with support blocks.

Look for the Safety Alert Symbol

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

Be Aware of Signal Words

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

DANGER

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

WARNING

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

CAUTION

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

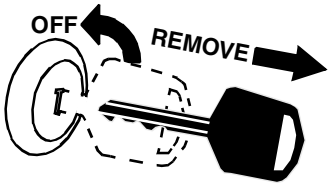
Safety Precautions for Children

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

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

Tractor Shutdown & Storage

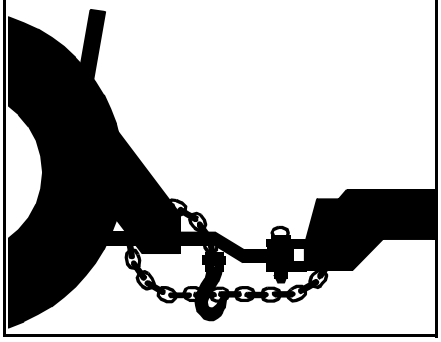
- V If engaged, disengage power take-off.
- V Park on solid, level ground and lower implement to ground or onto support blocks.
- V Put tractor in park or set park brake, turn off engine, and remove switch key to prevent unauthorized starting.
- V Relieve all hydraulic pressure to auxiliary hydraulic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



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

Use A Safety Chain

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

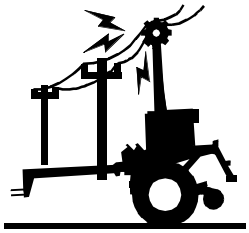


Transport Safely

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

  20 mph when weight of attached equipment is less than or equal to the weight of machine towing the equipment.

  10 mph when weight of attached equipment exceeds weight of machine towing equipment but not more than double the weight.
- V **IMPORTANT:** Do not tow a load that is more than double the weight of the vehicle towing the load.



Tire Safety

- V Tire changing can be dangerous and must be performed by trained personnel using the correct tools and equipment.
- V Always properly match the wheel size to the properly sized tire.
- V Always maintain correct tire pressure. Do not inflate tires above recommended pressures shown in the Operator’s Manual.
- V 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.
- V Securely support the implement when changing a wheel.
- V When removing and installing wheels, use wheel handling equipment adequate for the weight involved.
- V Make sure wheel bolts have been tightened to the specified torque.

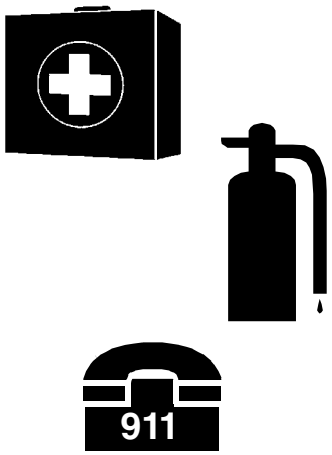
Practice Safe Maintenance

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

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

Prepare for Emergencies

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



Wear Personal Protective Equipment (PPE)

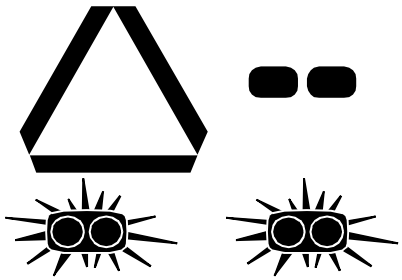
- V Wear protective clothing and equipment appropriate for the job such as safety shoes, safety glasses, hard hat, and ear plugs.
- V Clothing should fit snug without fringes and pull strings to avoid entanglement with moving parts.
- V Prolonged exposure to loud noise can cause hearing impairment or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

Avoid High Pressure Fluids

- V Escaping fluid under pressure can penetrate the skin causing serious injury.
- V Relieve all residual pressure before disconnecting hydraulic lines or performing work on the hydraulic system.
- V 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.
- V Use a piece of paper or cardboard, NOT BODY PARTS, to check for suspected leaks.
- V Wear protective gloves and safety glasses or goggles when working with hydraulic systems.
- V **DO NOT DELAY.** If an accident occurs, see a doctor familiar with this type of injury immediately. Any fluid injected into the skin or eyes must be treated within a few hours or gangrene may result.

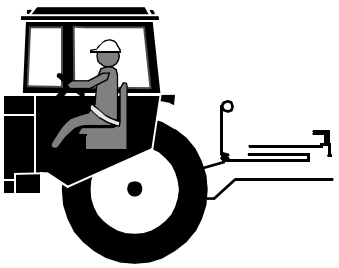
Use Safety Lights and Devices

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



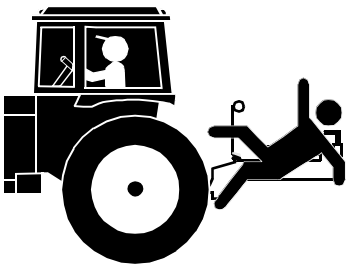
Use Seat Belt and ROPS

- V 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.
- V 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

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

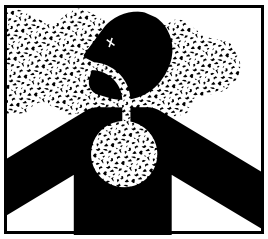


Listed below are common practices that may or may not be applicable to the products described in this manual.

Avoid crystalline Silica (quartz) Dust

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

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



- V Be aware of and follow OSHA (or other local, State, or Federal) guidelines for exposure to airborne crystalline silica.
- V Know the work operations where exposure to crystalline silica may occur.
- V Participate in air monitoring or training programs offered by the employer.
- V 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.
- V 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.
- V If possible, change into disposable or washable work clothes at the work site; shower and change into clean clothing before leaving the work site.
- V Do not eat, drink, use tobacco products, or apply cosmetics in areas where there is dust containing crystalline silica.
- V Store food, drink, and personal belongings away from the work area.
- V Wash hands and face before eating, drinking, smoking, or applying cosmetics after leaving the exposure area.

Handle Chemicals Properly

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

Dig Safe - Avoid Underground Utilities

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

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Safety Labels

<RXU $OO 3XUSRVH 6HHGHU FRPHV HTXLSSHG ZLWK DOO VDIHW\ ODEHOV
LQ SODFH 7KH\ ZHUH GHVLJQHG WR KHOS \RX RSHUDWH \RXU
LPSOHPHQW 5HDG DQG IROORZ WKHLU GLUHFWLRQV

.HHS DOO VDIHW\ ODEHOV FOHDQ DQG UHDGDEOH
5HIHU WR WKLV VHFWLRQ IRU SURSHU ODEHO SODFHPHQW
DOO GDPDJHG RU PLVVLQJ ODEHOV 2UGHU QHZ ODEHOV IURP \RXU
QHDUHVW /DQG 3ULGH GHDOHU 7R ILQG \RXU QHDUHVW GHDOHU
YLVLW RXU GHDOHU ORFDWRU DW ZZZ ODQGSULGH FRP
6RPH QHZ HTXLSPHQW LQVWDOOHG GXULQJ UHSDLU FDQ XVH
VDIHW\ ODEHOV WR EH DIIL[HG WR WKH LWHPV RI SHUVRQDO

VSHFLILHG E\ /DQG 3ULGH :KHQ RUGH
PDNH VXUH WKH FRUUHFW VDIHW\ ODE
XLSSHG ZLWK DOO VDIHW\ ODEHOV
5HIHU WR WKLV VHFWLRQ IRU SURSHU
7R LQVWDOO QHZ ODEHOV
Q &OHDQ
E 6SUD\ VRDS ZDWHU RQWR WKH FO
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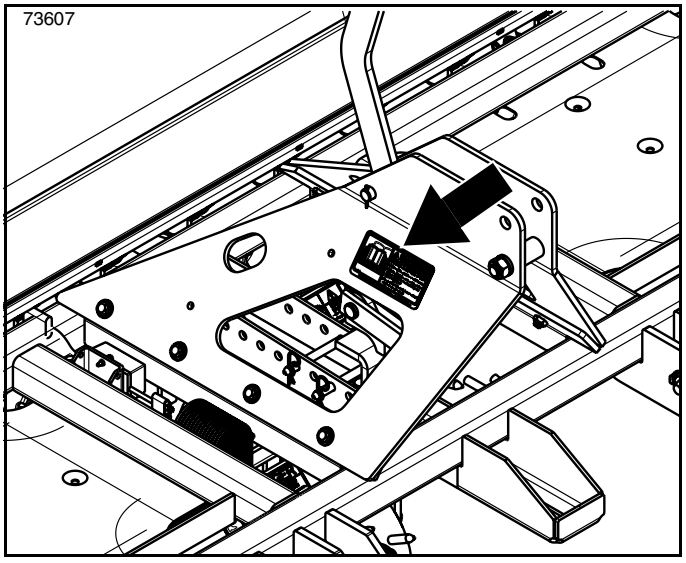
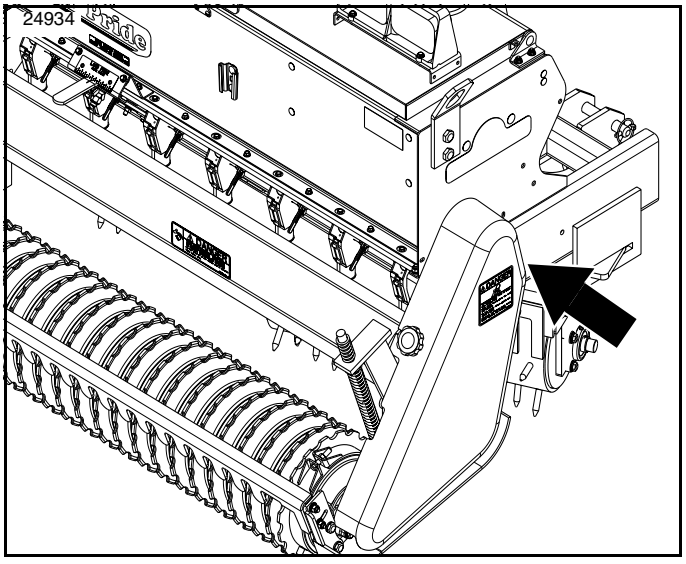


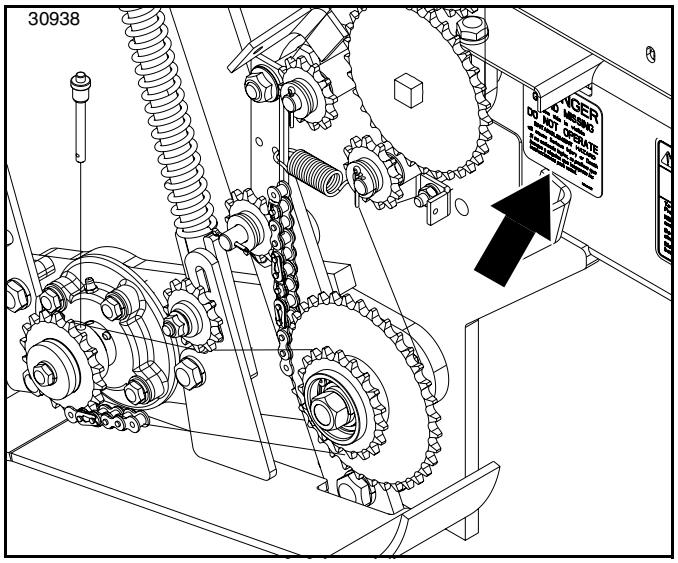
838-293C

Warning: Read Operator's Manual



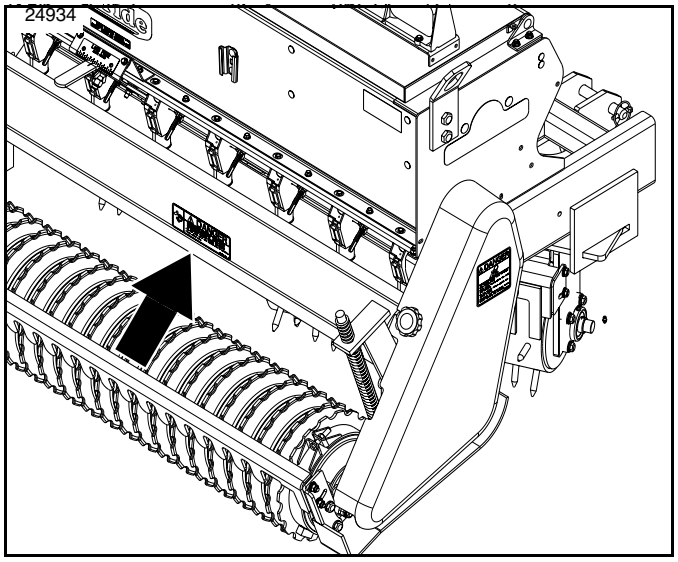
838-111C

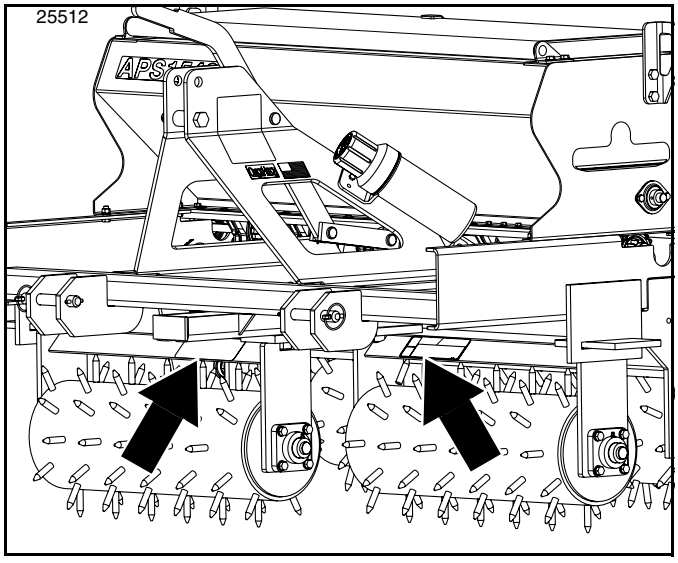
DANGER: Keep away,
Moving Parts



818-543C

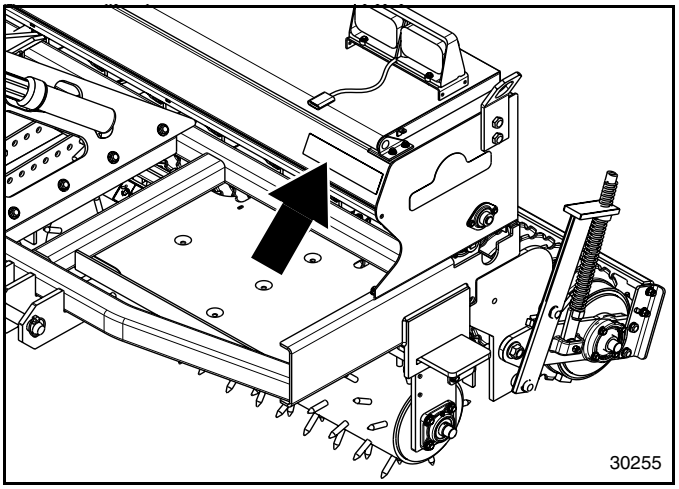
DANGER: Guard Missing
(Beneath Guard)





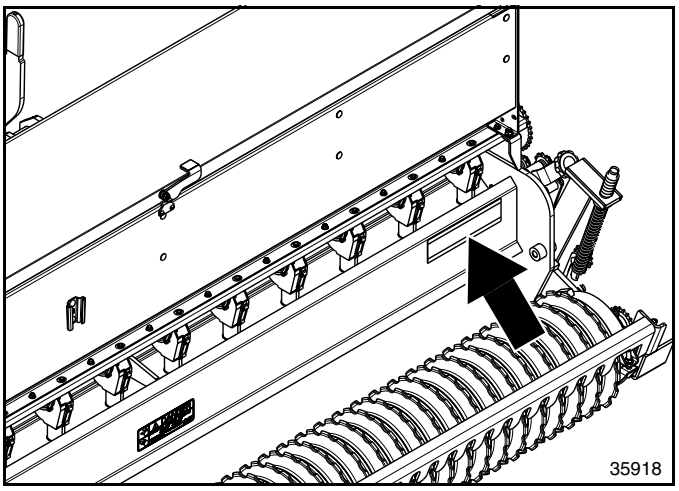
818-254C

DANGER: Rotating Roller Hazard



838-615C (APS1586 Only)

2" x 9" Amber Reflector on APS1586
(1 places, left front side of main seeds box)



838-614C

2" x 9" Red Reflector
(2 places, left rear & right rear of main frame)

Land Pride welcomes you to the growing family of new product owners. This All Purpose Seeder has been designed with care and built by skilled workers using quality materials. Proper assembly, maintenance, and safe operating practices will help you get years of satisfactory use from this implement.

Application

The APS1548, APS1560, APS1572 & APS1586 All Purpose Seeders are excellent combination planting and cultivation tools for golf courses, school systems, municipalities, rental yards, construction companies, sports fields, and college campuses. Their narrower widths make them effective in seeding applications on urban lots, grassy medians, grassy parkings, or right-of-ways adjacent to sidewalks, community parks, sporting facilities, and golf courses. Unlike wider models of seeders these units will do a more effective job of planting in areas where undulations, moguls, and depressions are prevalent.

The seed box is equipped with our standard fluted seed cups and an agitator enabling highly accurate and uniform delivery of most turf grass seeds as well as a wide variety of other seeds ranging from alfalfa to peas. The spiked front rollers can be adjusted for more or less "crab-action cultivation" making them an ideal choice for opening up and planting in hard or thatchy soil profiles.

See **"Specifications & Capacities"** on page 49 and **"Features & Benefits"** on page 50 for additional information and performance enhancing options.

Using This Manual

- This Operator's Manual is designed to help familiarize you with safety, assembly, operation, adjustments, troubleshooting, and maintenance. Read this manual and follow the recommendations to help ensure safe and efficient operation.
- The information contained within this manual was current at the time of printing. Some parts may change slightly to assure you of the best performance.
- To order a new Operator's or Parts Manual, contact your authorized dealer. Manuals can also be downloaded, free-of-charge, from our website at www.landpride.com

Terminology

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

Definitions

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

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

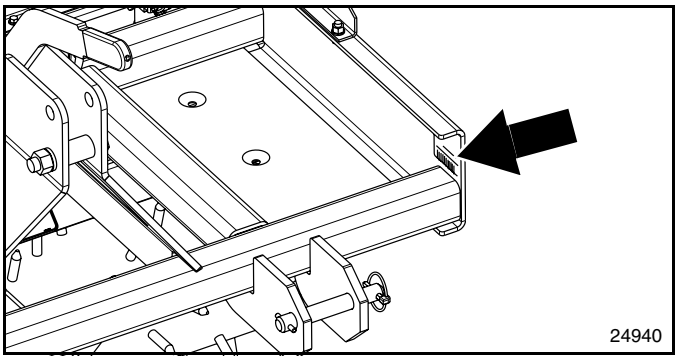
Owner Assistance

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

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

Serial Number

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



Serial Number Plate Location
Figure 1

Further Assistance

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

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

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

E-mail address
lpservicedept@landpride.com

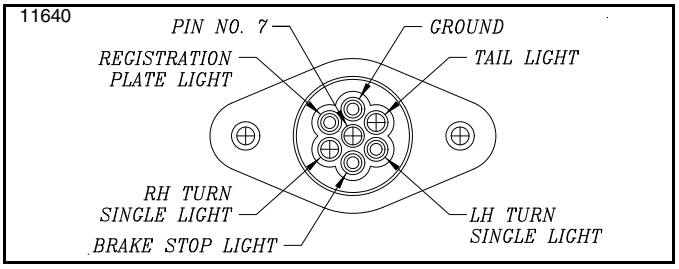
Tractor Requirements

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

Tractor Horsepower Rating
APS1548, APS1560, APS1572, & APS1586 . . . . . 25-130 hp (17-97 kW)

Hitch Category
APS1548, APS1560 & APS1572 . . . . . Cat. I
APS1586 . . . . . Cat. I & II

Electrical Hook-up (See Figure 1-1) . . . . . 7-Pin Outlet



Tractor 7-Pin Electrical Outlet
Figure 1-1

Make certain tractor's 3-point lifting capacity and weight is capable of lifting and controlling the seeder under all operating conditions. Refer to "**Specifications & Capacities**" on page 49 for seeder weight.

WARNING

7R DYRLG VHULRXV LQMXU\ RU GHDWK /LJKWZHLJKW WUDFWRUV ZLWK UHDU DWWDFKHG LPSOHPHQWV ZHLJKWV DGGHG WR WKH IURQW WR PDLQWDLQ &RQVXOW \RXU WUDFWRU 2SHUDWRU¶V 0DQXDO WR GHWHUPLQH SURSHU ZHLJKW UHTXLUHPHQWV DQG PD[LPXP ZHLJKW OLPLWDWLRQV

The lower 3-point arms must be stabilized to prevent side-to-side movement. Most tractors have sway blocks or adjustable chains for this purpose.

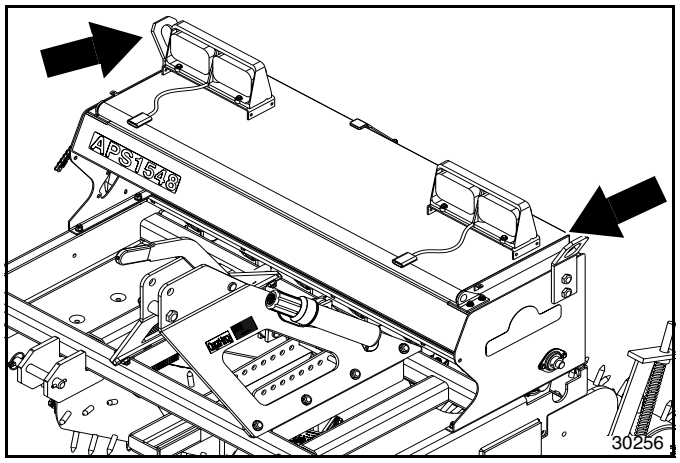
Torque Requirements

Refer to **"Torque Values Chart for Common Bolt Sizes"** on page 52 to determine correct torque values when tightening hardware. See **"Additional Torque Values"** at bottom of chart for exceptions to common torque values.

Sling Bracket

Refer to Figure 1-2:

The sling brackets allow points at each end to hook a chain for lifting the unit. When hooking a chain to the sling brackets, be certain to either use a spreader bar on the chain or use a long chain to prevent bending the sling brackets.



Sling Brackets
Figure 1-2

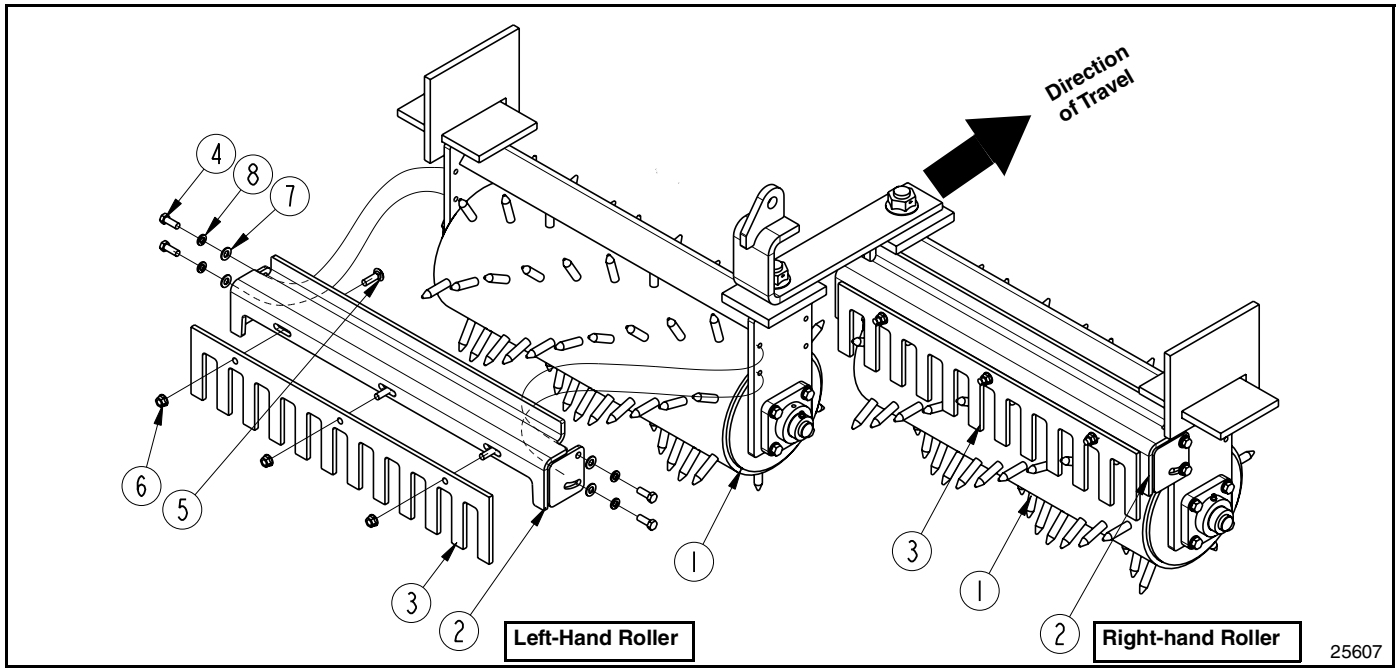
Dealer Preparations

This All Purpose Seeder has been assembled at the factory. Some preparation will be necessary to attach the seeder to the customer's tractor. Make sure the intended tractor conforms to **"Tractor Requirements"**.

Go through the **"Assembly Checklist"** below before assembling the All Purpose Seeder. Speed up the assembly task and make the job safer by having all needed parts and equipment readily at hand.

Assembly Checklist

	Check	Reference
☐	All major frame components. Location of fasteners and pins. **NOTE:** All hardware from the factory has been installed in the location where it will be used. If a part is temporarily removed for assembly reasons, remember where it goes. Keep parts separated.	Operator's Manual
☐	Be sure the part gets used in the correct location. Use parts manual to identify location of parts that have been removed and are unsure where to replace them. By double checking while you assemble, you will lessen the chance of using a bolt incorrectly that may be needed later.	Parts Manual
☐	All working parts are moving freely, bolts are tight and cotter pins are spread.	Operator's Manual
☐	All grease fittings are in place and lubricated.	Page 47
☐	Proper tension and alignment on all drive chains.	Page 45
☐	Safety decals are correctly located and legible. Replace if damaged.	Pages 6 & 5



Front Mud Scraper Installation
Figure 1-3

Mud Scraper Installation (Optional)

Optional mud scrapers are available from your local Land Pride dealer. A scraper bundle consists of one rear roller scraper and two front roller scrapers and are identified by the rear roller type and seeder planting width.

Land Pride Mud Scrapers

Part No.	Part Description
APS1548	
313-431A	SPIKE SCRAPER BUNDLE . .S/N 567003+
313-432A	PACKER SCRAPER BUNDLE . .S/N 567003+
APS1560	
313-458A	SPIKE SCRAPER BUNDLE
313-459A	PACKER SCRAPER BUNDLE
APS1572	
313-429A	SPIKE SCRAPER BUNDLE . . .S/N 547969+
313-430A	PACKER SCRAPER BUNDLE . . .S/N 547969+
APS1586	
313-449A	SPIKE SCRAPER BUNDLE
313-453A	PACKER SCRAPER BUNDLE

Refer to **"Torque Values Chart for Common Bolt Sizes"** on page 52 when tightening hardware.

Front Mud Scrapers

Refer to Figure 1-3:

IMPORTANT: Some units will not accept a Mud Scraper attachment. Please be sure of your serial number to verify.

NOTE: Do not tighten bolts (#4 & #5) until after adjustments have been made. See **"Mud Scraper Adjustment (Optional)"** on page 22 for instructions.

1. Attach spike scrapers (#3) to scraper hangers (#2) with 3/8"-16 x 1 1/4" GR5 round head square neck bolts (#5) and hex flange lock nuts (#6). Draw nuts up snug, do not tighten until after completing adjustments in Section 3.
2. Attach scraper hangers (#2) to the front rollers with four 3/8"-16 x 1" GR5 hex head cap screws (#4), 3/8" lock washers (#8), and 3/8" flat washers (#7). Draw nuts up snug, do not tighten until after completing adjustments in Section 3.

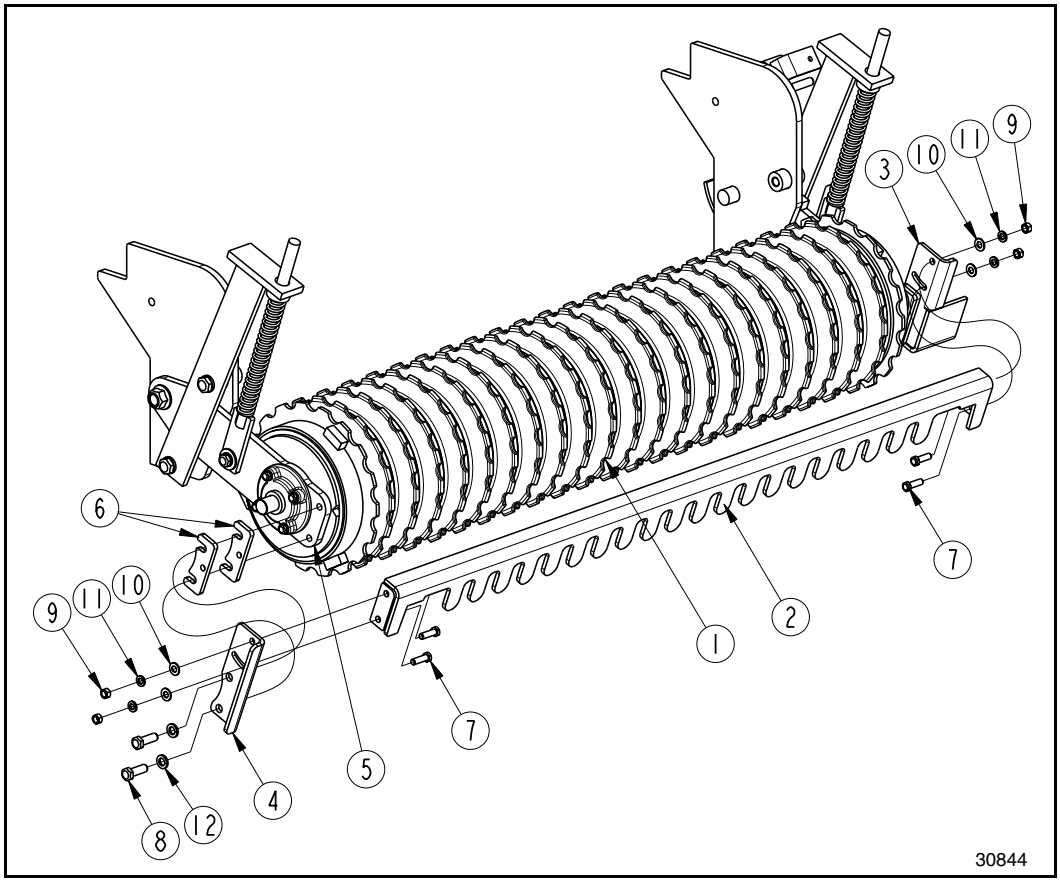
Rear Mud Scraper For Packer Roller

Refer to Figure 1-4:

1. Lower rear roller to ground level, shut tractor engine off, and engage parking brake.
2. Attach left-hand scraper mount (#4) to the left side roller arm (#5) with 1/2"-13 x 1 1/2" GR5 hex head cap screws (#8), spring lock washer (#12), and two spacer plates (#6) (Spacer plates to be used on units with S/N 659515 and above only). Tighten cap screws (#8) to the correct torque.

NOTE: Do not tighten bolts (#7) until after adjustments have been made. See **"Mud Scraper Adjustment (Optional)"** on page 22 for instructions.

3. Attach rear roller scraper (#2) to chain guard mounting bracket (#3) with two 3/8"-16 x 1 1/4" GR5 hex head cap screws (#7), 3/8" flat washers (#10), 3/8" lock washers (#11), and hex nuts (#9). Draw nuts up snug, do not tighten until after completing adjustments in Section 3.
4. Attach opposite end of rear roller scraper to scraper mount (#4) with two 3/8"-16 x 1 1/4" GR5 hex head cap screws (#7), 3/8" flat washers (#10), 3/8" lock washers (#11), and hex nuts (#9). Draw nuts up snug, do not tighten until after adjustments have been made in Section 3.



Rear Mud Scraper Installation to Packer Roller
Figure 1-4

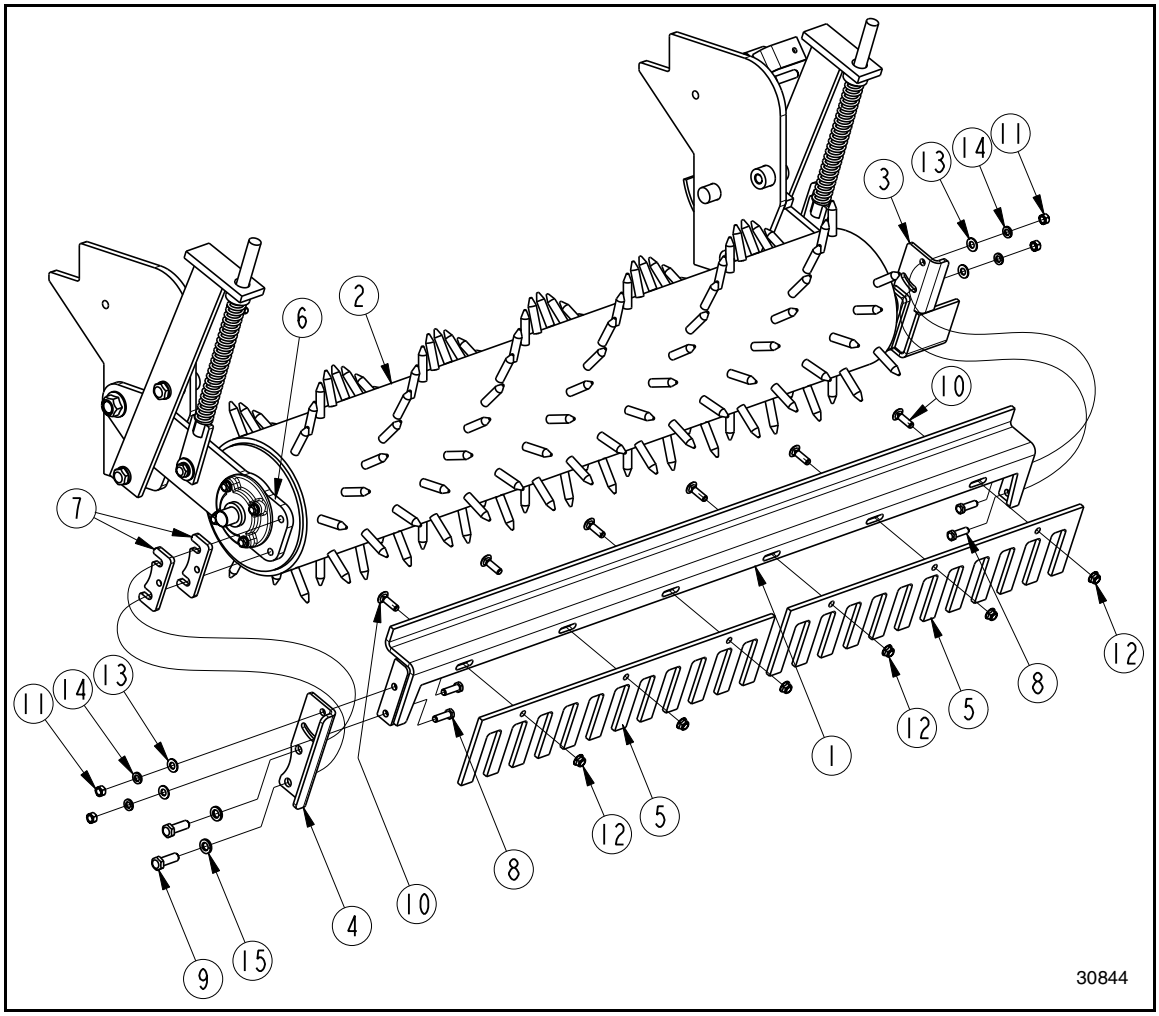
Rear Mud Scraper To Spike Roller

Refer to Figure 1-5:

1. Lower rear roller to ground level, shut tractor engine off, and engage parking brake.
2. Attach left-hand scraper mount (#4) to the left side roller arm (#6) with 1/2"-13 x 1 1/2" GR5 hex head cap screws (#9), spring lock washer (#15), and two spacer plates (#7) (Spacer plates to be used on units with S/N 659515 and above only). Tighten cap screws (#9) to the correct torque.

NOTE: Do not tighten bolts (#8 & #10) until after adjustments have been made. See **"Mud Scraper Adjustment (Optional)"** on page 22 for instructions.

3. Attach spike scrapers (#5) to scraper hanger (#1) with 3/8"-16 x 1 1/4" GR5 round head square neck bolts (#10) and hex flange lock nuts (#12). Draw nuts up snug, do not tighten until after completing adjustments in Section 3.
4. Attach scraper hanger (#10) to chain guard mounting bracket (#3) with two 3/8"-16 x 1 1/4" GR5 hex head cap screws (#8), 3/8" flat washers (#13), and 3/8" lock washers (#14). Secure scraper in place with hex nuts (#11). Draw nuts up snug, do not tighten until after adjustments have been made in Section 3.
5. Attach opposite end of scraper hanger to scraper mount (#4) with two 3/8"-16 x 1 1/4" GR5 hex head cap screws (#8), 3/8" flat washers (#13), 3/8" lock washers (#4), and hex nuts (#11). Draw nuts up snug, do not tighten until after completing adjustments in Section 3.



Rear Mud Scraper Installation to Spike Roller
Figure 1-5

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Operating Checklist

Hazard control and accident prevention are dependent upon the awareness, concern, prudence, and proper training involved in the operation, transport, storage, and maintenance of the seeder. Therefore, it is absolutely essential that no one operates the All Purpose Seeder unless they are age 16 or older and have read, fully understood, and are totally familiar with the Operator's Manual. Make sure the operator has paid particular attention to:

- **Important Safety Information**, Pages 1 to 7
- **Section 1: Assembly & Set-up,** page 10
- **Section 2: Operating Instructions**, page 15
- **Section 3: Adjustments**, page 22
- **Section 5: Maintenance & Lubrication**, page 45

Perform the following inspections before using your seeder.

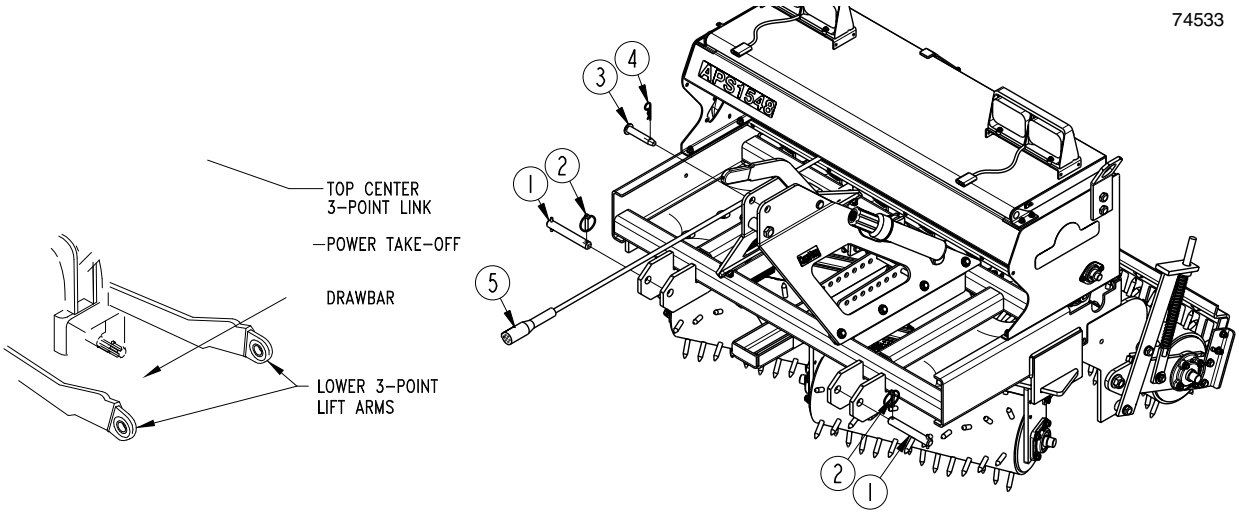
Operating Checklist

	Check	Page
	Read and follow all safety rules carefully. Refer to "Important Safety Information".	1
	Read and follow all operating instructions. Refer to Section 2: Operating Instructions.	15
	Read and follow all adjustment instructions. Refer to Section 3: Adjustments.	22
	Read and follow all maintenance instructions. Refer to Section 5: Maintenance & Lubrication.	45
	Lubricate seeder as needed. Refer to "Lubrication Points".	47
	Check initially & periodically for loose bolts, pins, & chains. Refer to "Torque Values Chart".	52
	Make sure all guards and shields are in place and in working order.	
	Set speed change sprocket. Refer to "Speed Change Sprocket" instructions.	24
	Inspect seed cups & tubes for foreign matter. Refer to "Calibrating & Adjusting Seeding Rate".	26 Step 2c
	Set seed rate. Refer to "Seed Cup Settings", "Calibrating & Adjusting Seeding Rate", and "Seed Rate Charts".	26-31

Tractor Shutdown Procedure

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

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



Tractor Hook-up to 3-Point Seeder
Figure 2-1

Hook-up 3-Point Seeder

Refer to Figure 2-1:f

WARNING

7R DYRLG VHULRXV LQMXU\ RU GHDWK /LJKWZHLJKW WUDFWRUV ZLWK UHDU DWWDFKHG ZHLJKWV DGGHG WR WKH IURQW WR PDLQWDLQ VWHHULQJ &RQVXOW \RXU WUDFWRU 2SHUDWRU¶V 0DQXDO WR GHWHUPLQH SURSHU ZHLJKW UHTXLUHPHQWV DQG PD[LPXP ZHLJKW OLPLWDWLRQV

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

A 3-point Category I hitch is required for the 48", 60" and 72" wide seeders and a Category II hitch is required for the 85" wide seeder. The tractor's lower 3-point arms must be stabilized to prevent side-to-side movement. Most tractors have sway blocks or adjustable chains for this purpose.

1. Slowly back tractor up to seeder while using 3-point hydraulic controls to lower and position lift arm hitch holes between clevis plates and in-line with clevis hitch holes.
2. Shut tractor down following **"Tractor Shutdown Procedure"** on page 15.
3. Attach lower lift arms to the clevises with hitch pin (#1) and secure with linchpins (#2). Make sure wire retainer is rotated down to secure linchpins.
4. Adjust length of top center 3-point link to align center link hitch hole with upper hitch hole on the seeder.

NOTE: Center clevis pin (#3) and pin keeper (#4) are customer supplied.
Cat I center link uses a 3/4" diameter clevis pin.
Cat II center link uses a 7/8" diameter clevis pin.

5. Attach top center link to the seeder using **customer supplied 3/4" diameter clevis pin (#3) and pin keeper (#4).**
6. Start tractor and slowly operate controls to raise and lower seeder to make sure the seeder clears the tractor tires, frame, and drawbar.
7. If drawbar interferes with seeder, shut tractor down properly and the move drawbar out of the way or remove it from the tractor. Refer to Tractor Operator's Manual for instructions on moving or removing drawbar.
8. If not parked on level ground, restart tractor and move to level ground.
9. Lower seeder until unit is resting on the ground.
10. Shut tractor down following **"Tractor Shutdown Procedure"** on page 15 before dismounting.
11. Place a level across the main frame running from left to right.
12. Manually adjust one of the lower lift arms up or down until seeder is level from left to right.
13. Rotate level 90 degrees and adjust length of upper center 3-point link to level seeder from front to back.
14. **Refer to Figure 1-1 on page 10:** Hook-up lead wire harness (#5) to the tractor's 7-way round pin receiver.