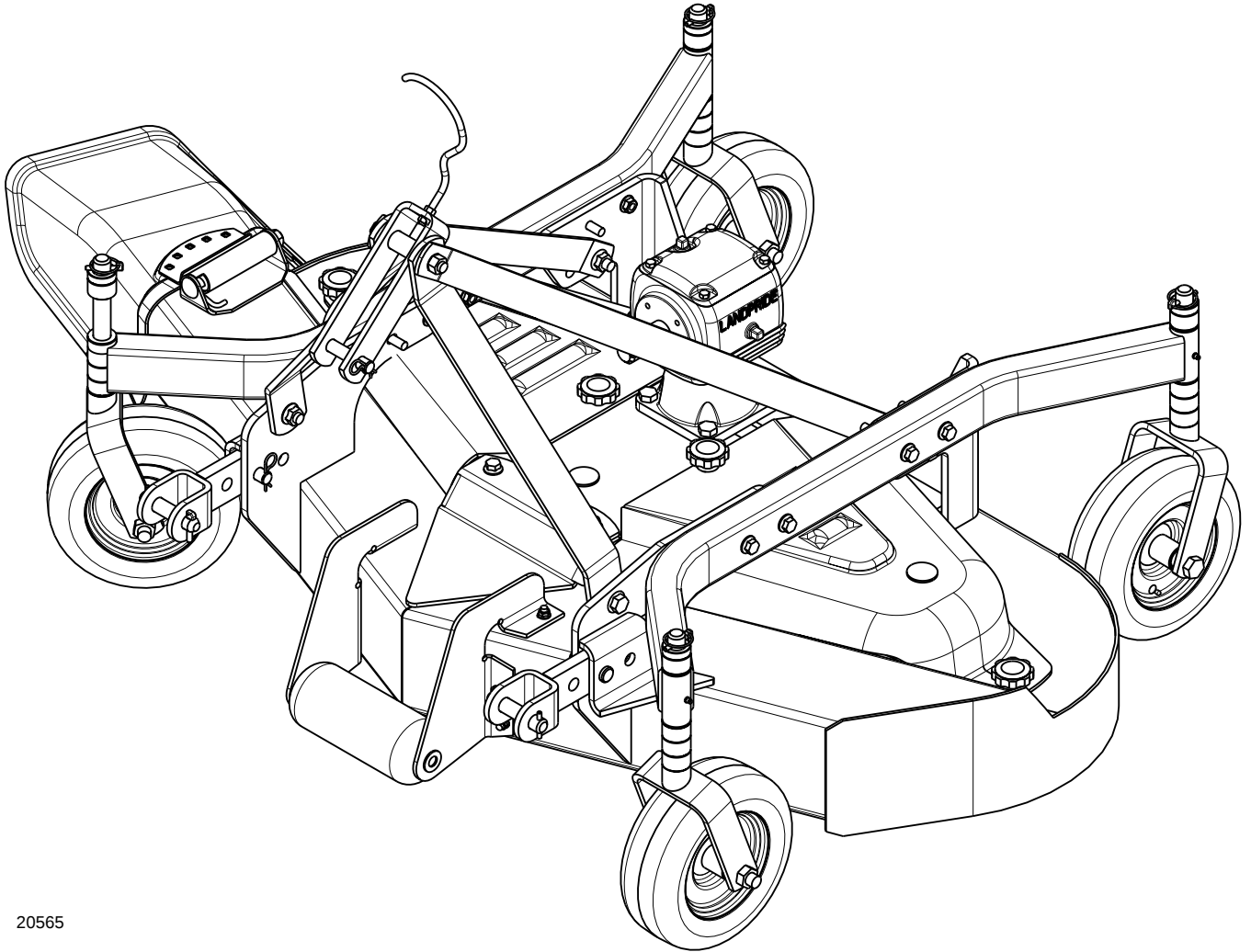


Grooming Mowers

AT2672



20565

310-302M 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!



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

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Important Safety Information

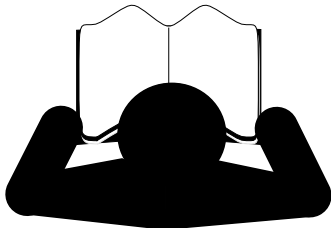
These are common practices that may or may not be applicable to the products described in this manual.

Safety at All Times

Thoroughly read and understand the instructions given in this manual before operation. Refer to the "Safety Label" section, read all instructions noted on them.

Do not allow anyone to operate this equipment who has not fully read and comprehended this manual and who has not been properly trained in the safe operation of the equipment.

- ▲ Operator should be familiar with all functions of the unit.
- ▲ Operate implement from the driver's seat only.
- ▲ Do not leave tractor or implement unattended with engine running.
- ▲ Dismounting from a moving tractor could cause serious injury or death.
- ▲ Do not stand between the tractor and implement during hitching.
- ▲ Keep hands, feet, and clothing away from power-driven parts.
- ▲ Wear snug fitting clothing to avoid entanglement with moving parts.
- ▲ Watch out for wires, trees, etc., when raising implement. Make sure all persons are clear of working area.
- ▲ Turning tractor too tight may cause implement to ride up on wheels. This could result in injury or equipment damage.



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 an imminently hazardous situation which, if not avoided, will result in death or serious injury. This signal word is limited to the most extreme situations, typically for machine components that, for functional purposes, cannot be guarded.

⚠ WARNING

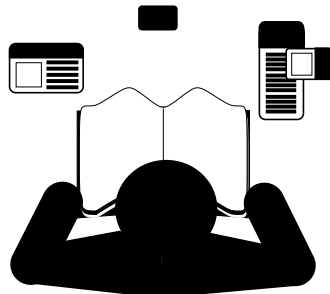
Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.

⚠ CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

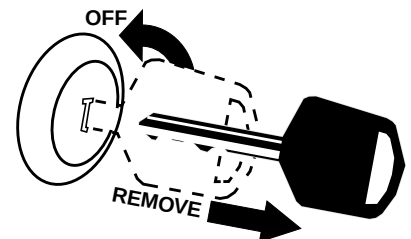
For Your Protection

- ▲ Thoroughly read and understand the "Safety Label" section, read all instructions noted on them.



Shutdown and Storage

- ▲ Lower machine to ground, put tractor in park, turn off engine, and remove the key.
- ▲ Detach and store implements in a area where children normally do not play. Secure implement by using blocks and supports.

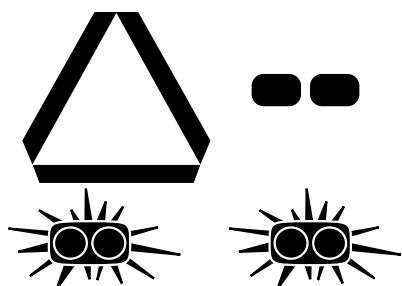


Important Safety Information

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

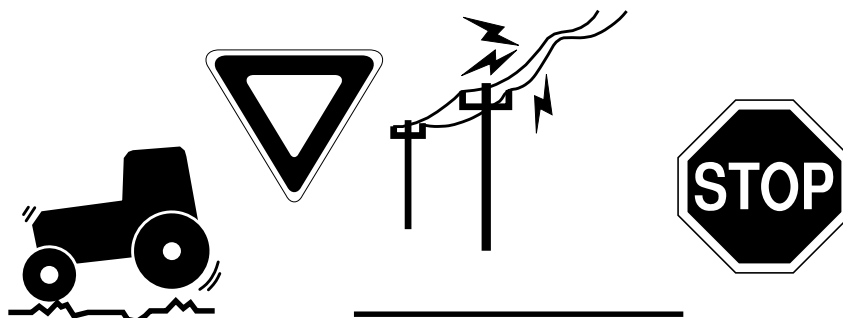
Use Safety Lights and Devices

- ▲ Slow moving tractors, self-propelled equipment, and towed implements 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.



Transport Machinery Safely

- ▲ Comply with state and local laws.
- ▲ Maximum transport speed for implement is 20 mph. **DO NOT EXCEED.** Never travel at a speed which does not allow adequate control of steering and stopping. Some rough terrain require a slower speed.
- ▲ Sudden braking can cause a towed load to swerve and upset. Reduce speed if towed load is not equipped with brakes.



- ▲ Use the following maximum speed - tow load weight ratios as a guideline:
20 mph when weight is less than or equal to the weight of tractor.
10 mph when weight is double the weight of tractor.
- ▲ **IMPORTANT:** Do not tow a load that is more than double the weight of tractor.

Practice Safe Maintenance

- ▲ Understand procedure before doing work. Use proper tools and equipment, refer to Operator's Manual for additional information.
- ▲ Work in a clean dry area.
- ▲ Lower the implement to the ground, put tractor in park, turn off engine, and remove key before performing maintenance.
- ▲ Allow implement to cool completely.
- ▲ Do not grease or oil implement while it is in operation.
- ▲ Inspect all parts. Make sure parts are in good condition & installed properly.
- ▲ Remove buildup of grease, oil or debris.
- ▲ Remove all tools and unused parts from implement before operation.



Tractors With Cabs Tractors Equipped With ROPS

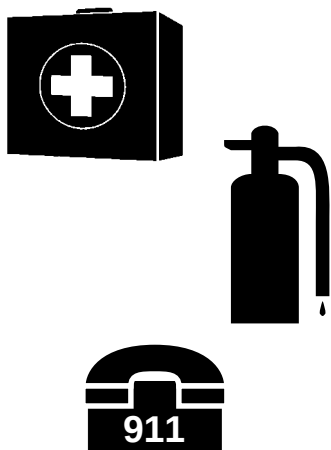
- ▲ There should be sufficient clearance for the operator when mounted to a tractor with a cab or that is equipped with ROPS.
- ▲ The ROPS may need to be extended or flipped around to obtain sufficient clearance.

Important Safety Information

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

Prepare for Emergencies

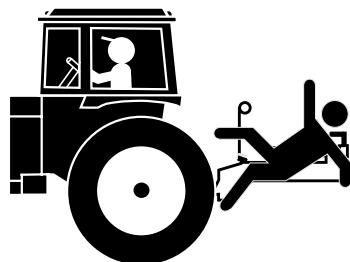
- ▲ Be prepared if a fire starts.
- ▲ Keep a first aid kit and fire extinguisher handy.
- ▲ Keep emergency numbers for doctor, ambulance, hospital and fire department near phone.

**Wear Protective Equipment**

- ▲ Protective clothing and equipment should be worn.
- ▲ Wear clothing and equipment appropriate for the job. Avoid loose fitting clothing.
- ▲ Prolonged exposure to loud noise can cause hearing impairment or hearing loss. Wear suitable hearing protection such as earmuffs or earplugs.
- ▲ Operating equipment safely requires the full attention of the operator. Avoid wearing radio headphones while operating machinery.

**Keep Riders Off Machinery**

- ▲ Riders obstruct the operator's view, they could be struck by foreign objects or thrown from the machine.
- ▲ Never allow children to operate equipment.

**Tire Safety**

- ▲ Tire changing can be dangerous and should be performed by trained personnel using the correct tools and equipment.
- ▲ 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.
- ▲ When removing and installing wheels, use wheel handling equipment adequate for the weight involved.



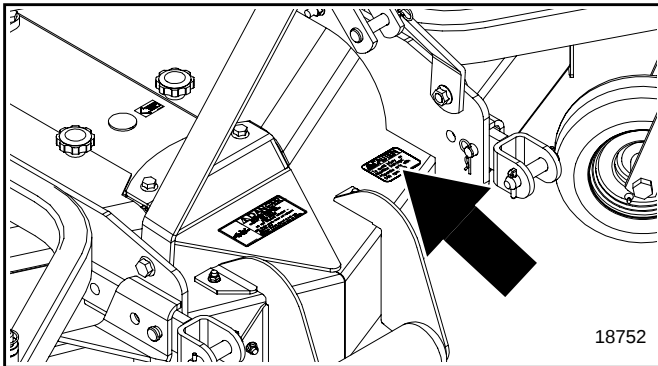
Safety Labels

Your mower comes equipped with all safety labels in place. They were designed to help you safely operate your implement.

1. Read and follow label directions.
2. Keep all safety labels clean and legible.
3. Replace all damaged or missing labels.
4. Some new equipment installed during repair require safety labels to be affixed to the replaced component as specified by Land Pride. When ordering new components make sure

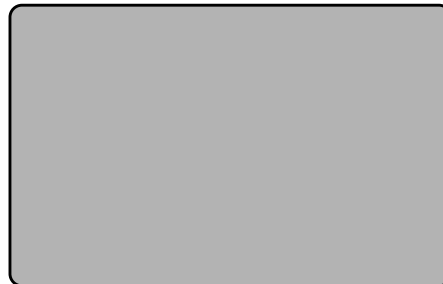
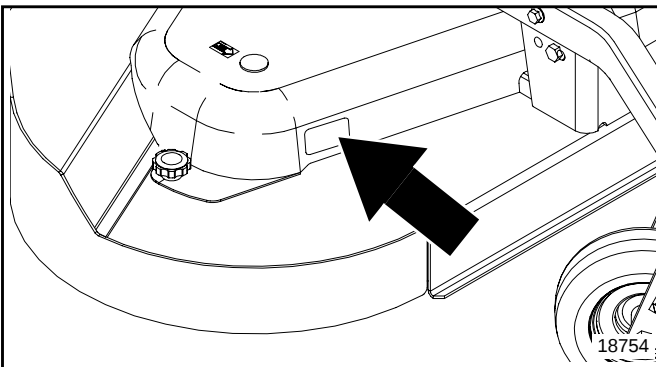
the correct safety labels are included in the request. To order new labels go to your Land Pride dealer.

1. Refer to this section for proper label placement. To install new labels:
 - a. Clean the area the label is to be placed.
 - b. Spray soapy water on the surface where the label is to be placed.
 - c. Peel backing from label. Press firmly onto the surface.
 - d. Squeeze out air bubbles with the edge of a credit card.



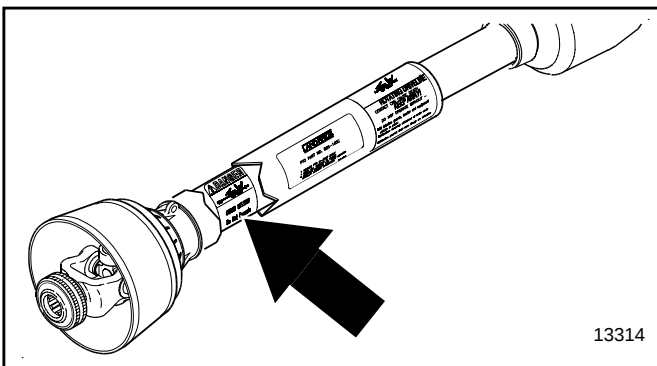
818-130C

Caution: 540 RPM



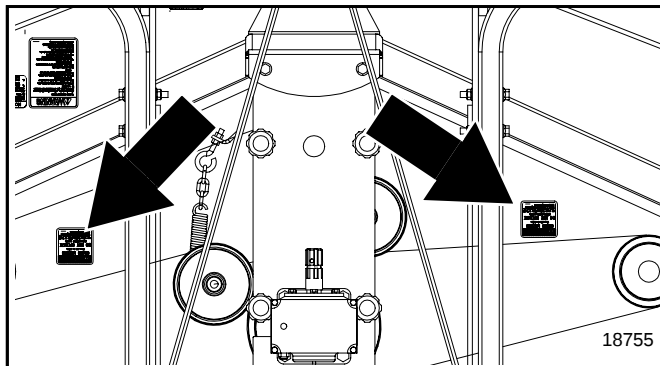
818-230C

Red Reflector (Both Sides)

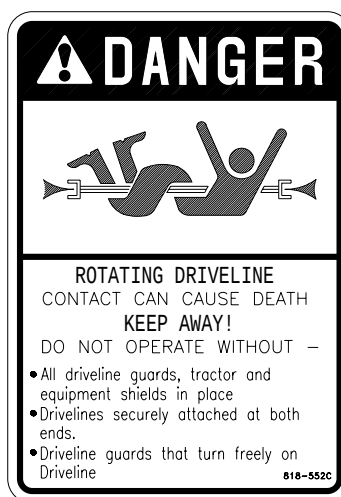
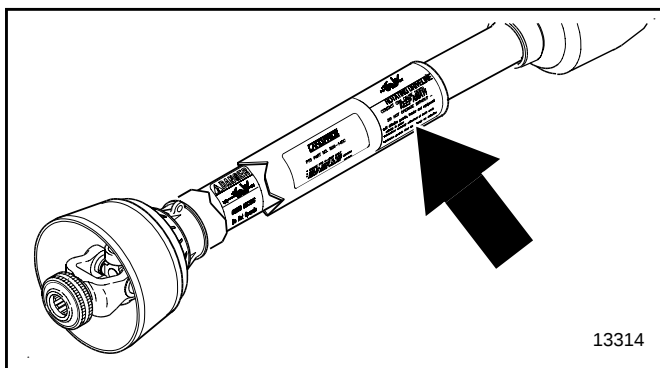


818-540C

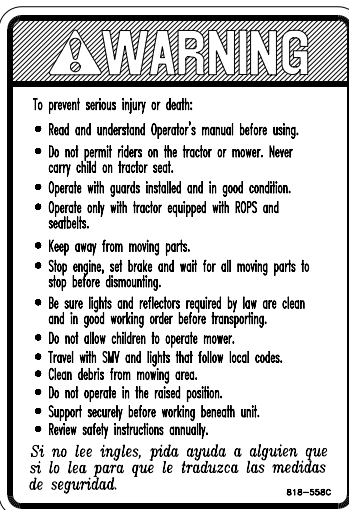
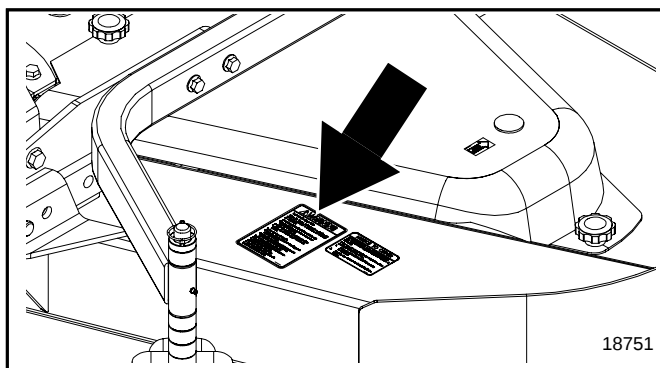
Danger: Guard Missing

Important Safety Information**818-543C**

Danger: Guard Missing
(Beneath Guards)

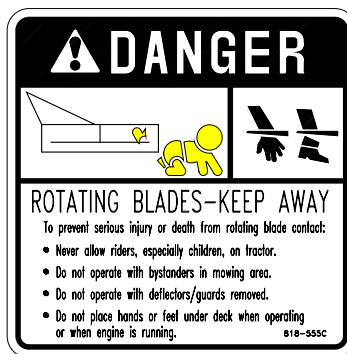
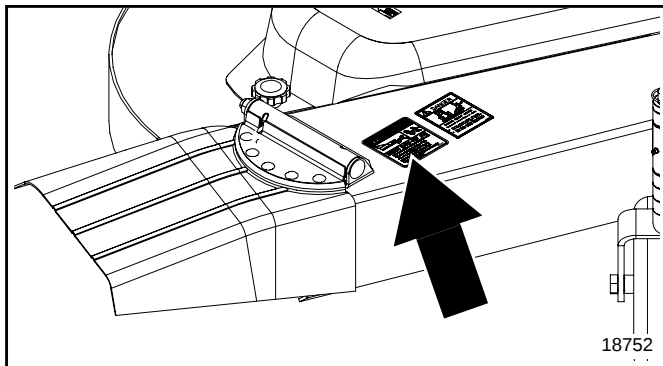
**818-552C**

Danger: Rotating Driveline

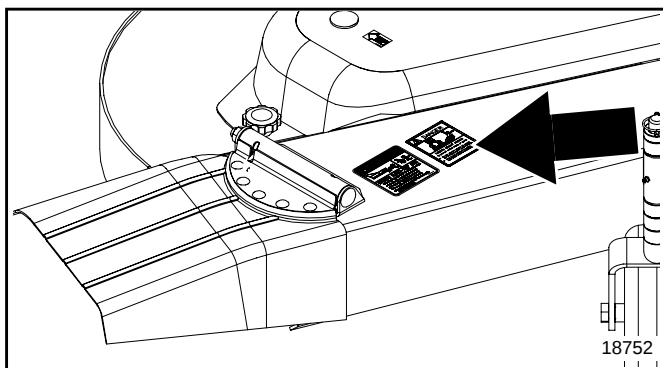
**818-558C**

Warning: General

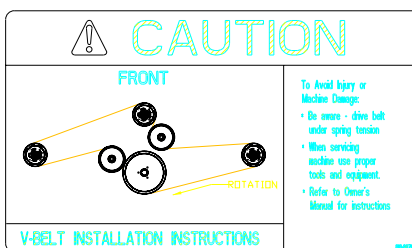
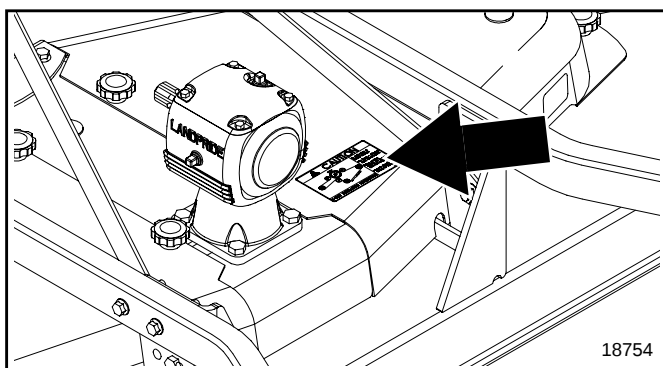
Important Safety Information

**818-555C**

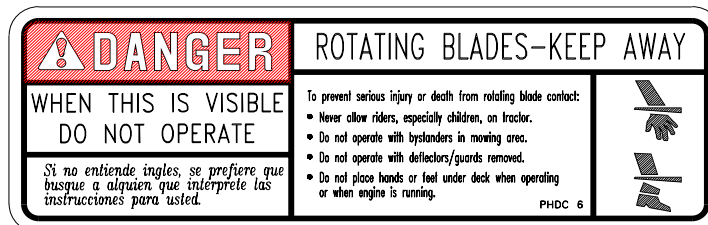
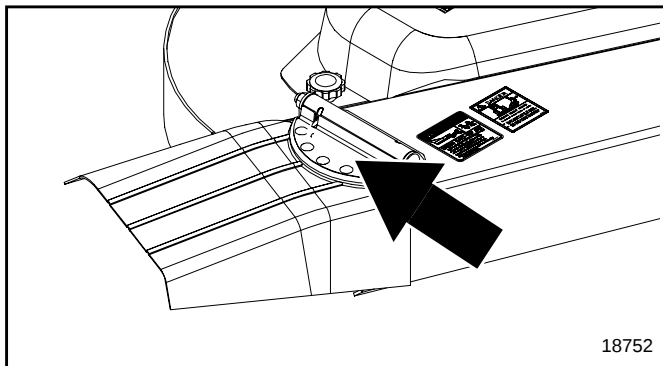
Danger: Rotating Blade

**818-556C**

Danger: Thrown Object

**838-278C**

Caution: V-Belt Installation

**838-272C**Danger: Rotating Blade
(Beneath Grass Chute)

Introduction

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

This implement 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 the machine.

Application

The Land Pride AT 2672 Air Tunnel Grooming Mower is adapted for Category 1 three-point hitch mounting to compact tractors in the 18 -50 hp ranges. They are also Quick Hitch adaptable. These mowers are much better suited for cutting taller grass up to 5" and in wetter conditions than rear discharge grooming mowers. The high deck clearance and vacuum lift created by the side discharge and air tunnel design allows these mowers to cut much taller grass and then discharge it uniformly out of the side discharge chute. When customers consistently find themselves in situations where excess moisture, ground conditions, or operating schedules prevents frequent cuttings at lower cutting heights the Land Pride AT 2672 Air Tunnel Grooming Mower will perform and deliver a good quality of cut along with extra high productivity.

See the "Features and Benefits Section" for additional specifications 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 or printed from the Land Pride Service & Support Center by your dealer.

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

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

IMPORTANT: A special point of information related to its preceding topic. Land Pride's intention is that this information should be read and noted before continuing.

Owner Assistance

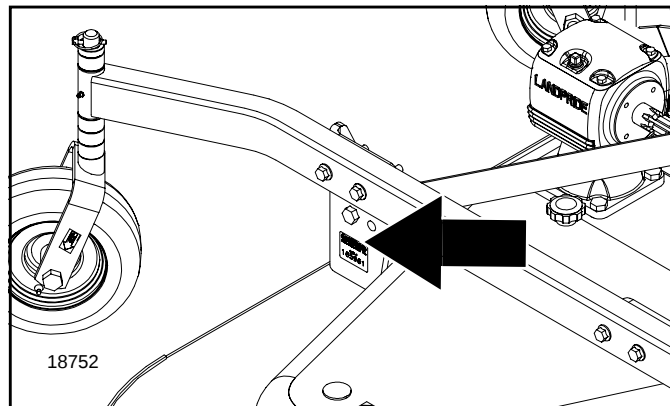
The Warranty Registration card should be filled out by the dealer at the time of purchase. This information is necessary to provide you with quality customer service.

If customer service or repair parts are required contact a Land Pride dealer. A dealer has trained personnel, repair parts and equipment needed to service the mower.

The parts on your mower have been specially designed and should only be replaced with genuine Land Pride parts. Therefore, should your mower require replacement parts go to your Land Pride Dealer.

Serial Number Plate

For prompt service always use the serial number and model number when ordering parts from your Land Pride dealer. Be sure to include your serial and model numbers in correspondence also. Refer to Figure 1 for the location of your serial number plate.



Serial Number Plate Location
Figure 1

Further Assistance

Your dealer wants you to be satisfied with your new Grooming Mower. 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 the matter with your dealership service manager making sure he is aware of any problems you may have and that he has had the opportunity to assist you.
2. If you are still not satisfied, seek out the owner or general manager of the dealership, explain the problem and request assistance.
3. For further assistance write to:

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

E-mail address
lp servicedept@landpride.com

Tractor Requirements

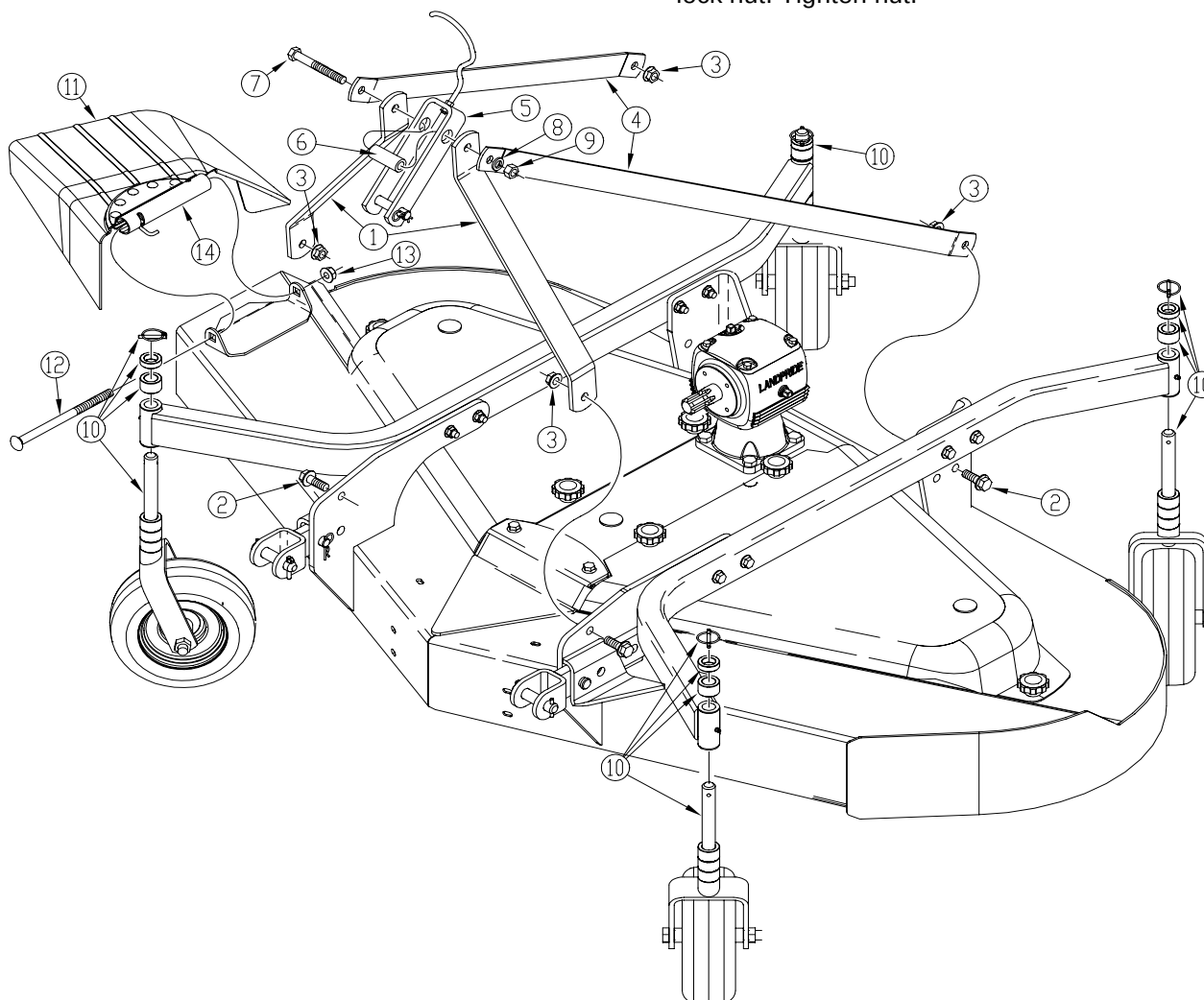
This mower is designed with a 3-Point category I hitch. Horsepower rating of the tractor should not exceed 50 PTO horsepower for the AT26 mowers.

NOTE: In order to maintain steering control, ballast may need to be added to your tractor. To determine whether or not to add the ballast, refer to your tractor's operator manual.

Dealer Assembly

Refer to Figure 1-1:

1. The front braces (#1) (shorter braces) and rear braces (#4) (longer braces) are disassembled and banded to the crate.
2. Un-band the braces and mount them to the front and rear lugs as shown securing with bolts (#2) and nuts (#3).
3. Rotate the rear braces (#4) and the front braces (#1) until the holes line up. The rear braces (#4) go to the outside of the front braces.
4. Place the spacer (#6) in the top hole of the clevis (#5) then place the clevis between the front and rear braces. Secure with the bolt (#7) lock washer (#8) and nut (#9).
5. Tighten all hardware in the front and rear braces.
6. The gauge wheels (#10) are removed from the gauge wheel arms and stored in holders for shipping.
7. Remove the gauge wheels (#10) from holders and mount in the gauge wheel arm tubes as shown. Place spacers at desired cutting depth. Refer to "Cutting Height Adjustment" page 13. Discard holders.
8. The grass chute bracket (#14) is mounted to the mower and the grass chute is mounted to the crate for shipping only. Remove the bracket by removing the 5/8" carriage bolt (#12) and lock nut (#13). Remove the grass chute (#11) from the crate. Assemble the grass chute to the chute bracket as shown. Reassemble the chute by placing the spring in the position shown. Reassemble the carriage bolt and lock nut. Tighten nut.



Dealer Assembly
Figure 1-1

18756

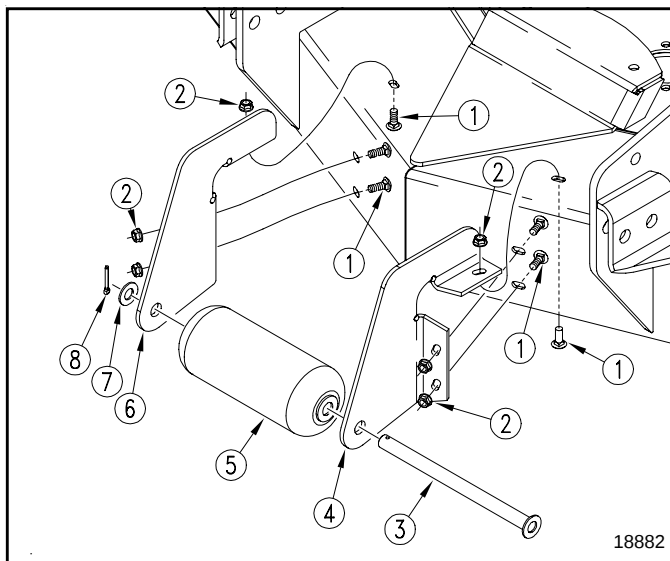
Section 1: Assembly and Set-Up

Optional Equipment

Front Anti-Scalp Roller Assembly

Refer to Figure 1-2:

1. Assemble right hand bracket (#6) and left hand bracket (#4) with carriage bolts (#1) and flange nuts (#2).
2. Align roller (#5) with holes in brackets and insert pin (#3). Secure with flat washer (#7) and cotter pin (#8).

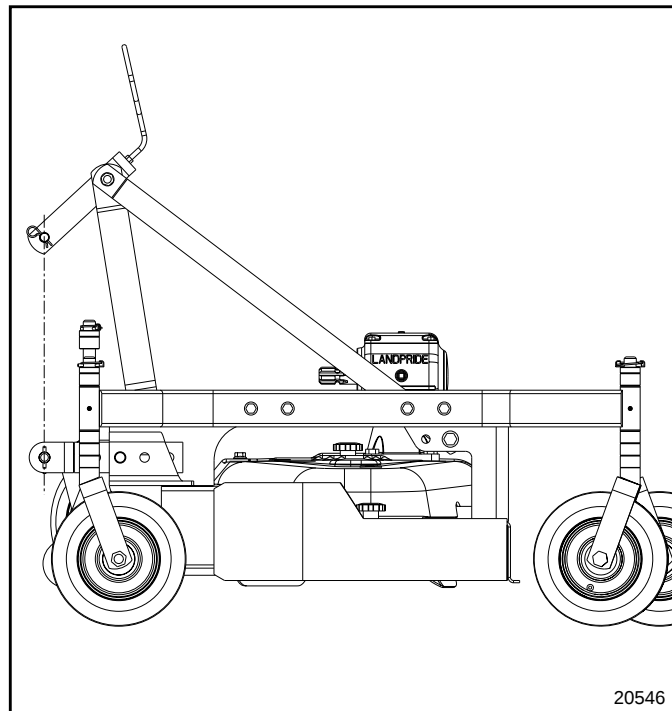


Front Anti-Scalp Roller
Figure 1-2

Tractor Hook-Up

1. Be certain that tractor drawbar will not interfere. Move drawbar ahead or remove if required. Drawbar should also be checked for clearance when unit is being raised for the first time.

2. Align lower link arms of tractor to hitch clevises on mower. Insert lower hitch pins into lower ball swivels and attach linch pins.
3. Attach tractor top link to upper floating hitch on mower with pin supplied. Secure with lock pin.
4. Adjust the tractor top link in or out to place the upper hitch pin vertically above the lower hitch pins as shown in Figure 1-3, to allow mower flotation.



Tractor Hook-Up
Figure 1-3

Section 1: Assembly and Set-Up

Driveline Installation

If the Grooming Mower is to be used on more than one tractor, an additional driveline may be required; especially if a quick hitch is used.

WARNING

Damaged drivelines can cause serious injury or death.

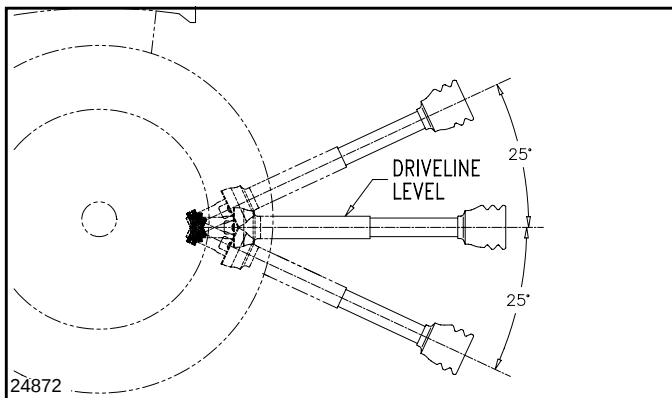
CAUTION

Tractor PTO shield and all Grooming Mower guards must be in place at all times during operation!

CAUTION

Do not use a PTO adaptor with a quick hitch. A PTO adaptor will increase the strain on the tractor's PTO shaft and can damage the PTO shaft and mower driveline.

IMPORTANT: Avoid premature driveline breakdown. A driveline that is operating **must not exceed** an angle of 25 degrees up or down while operating the 3-point lift. See Figure 1-4 below.



Maximum PTO driveline Movement During Operation
Figure 1-4

IMPORTANT: Some tractors are equipped with multi-speed PTO ranges. Be certain your tractor's PTO is set for 540 rpm.

IMPORTANT: The PTO driveline may be too long for some tractors. If the Grooming Mower is used on more than one tractor, an additional PTO driveline may be required.

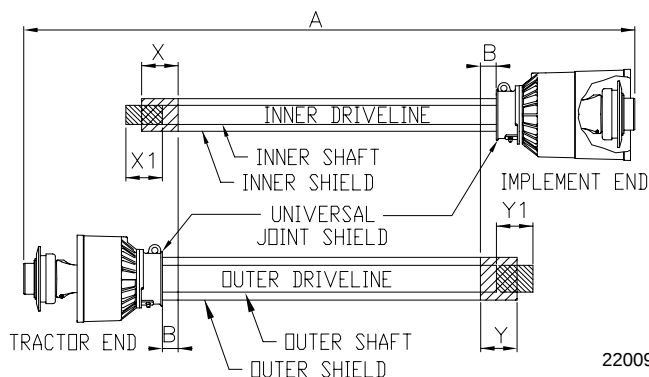
IMPORTANT: Aligning the tractor's PTO shaft level with the Grooming Mower's PTO shaft is necessary when checking to see if the driveline will fit correctly between tractor and Grooming Mower.

Refer to Figure 1-4

1. Start tractor and slowly engage tractor's hydraulic 3-point to lift the lower arms until the Grooming

Mower's driveline shaft is approximately level with tractor's PTO shaft.

2. Slide outer yoke end of driveline over the tractor's PTO shaft and secure with the locking collar. Skip to step 4 if driveline fits between tractor and Grooming Mower.
3. The driveline will require shortening if it is too long to fit between the tractor and Grooming Mower. Shorten driveline as follows:
 - a. Raise 3-point lower arms until Grooming Mower and tractor PTO shafts are approximately level with each other. Securely block Grooming Mower frame in this position. Set tractor in park, shut tractor engine off, set park brake and remove switch key.
 - b. Pull driveline apart into two sections as shown in Figure 1-5. Attach the outer driveline universal joint to the tractor PTO shaft and inner driveline universal joint to the Grooming Mower gearbox shaft. Pull on each driveline section to be sure the universal joints are secured to the shafts.
 - c. Hold the driveline sections parallel to each other to determine if they are too long. The inner and outer shields on each section should end approximately 1" short of reaching the universal joint shield on the adjacent section (see "B" dimension). If they are too long, measure 1" ("B" dimension) back from the universal joint shield and make a mark at this location on the inner and outer driveline shields.
 - d. Cut off the inner shield at the mark ("X" dimension). Cut the same amount off the inner shaft ("X1" dimension). Repeat cut off procedure ("Y" & "Y1" dimensions) to the outer driveline half.
 - e. Remove all burrs and cuttings.
 - f. Apply multi-purpose grease to the inside of the outer shaft and reassemble the driveline.
 - g. Attach inner driveline yoke end to the Grooming Mower gearbox input shaft.
 - h. Attach outer driveline yoke end to the tractor's PTO shaft.



Driveline Shortening
Figure 1-5

Section 2: Operating Instructions

Tractor Shut Down Procedure

It is essential that the tractor be shut down as noted below before making any inspections, maintenance and/or repairs to the tractor and/or mower.

1. Park tractor on a level surface. **Don't work under or around an implement parked on a steep incline.**
2. Place tractor in park and set park brake.
3. Disengage PTO if operating.
4. Shut engine off and remove switch key.
5. Wait for PTO to come to a complete stop before dismounting tractor.
6. Wear safety glasses.

Operation Check

Proper servicing and adjustments are key to the long life of any machine. With careful and systematic inspection of the mower, you can avoid costly maintenance, time and repair.

Before beginning to mow, the following inspection should be performed:

1. Inspect tractor safety equipment to make sure it is in good working condition.
2. Check oil level in gearbox. Refer to "**Section 4: Maintenance & Lubrication**" on page 14.
3. Check that all plugs in gearbox have been replaced and tightened properly.
4. Be sure all mower blades, bolts and nuts are tight.
5. Be certain all guards and shields are in place and secure.
6. Grease driveline shaft and all other grease fittings.
7. Carefully raise and lower the implement to ensure that the drawbar, tires, and other equipment on the tractor do not contact the frame or PTO driveline.
8. With the PTO disengaged and completely stopped, check the mower blades for sharpness. See "Service Mowing Blades" on page 14.

IMPORTANT: Do not exceed rated 540 PTO speed of mower. Excessive engine speed will cause damage to the power train components.

IMPORTANT: Stop PTO rotation immediately if vibration occurs during operation. Wait for mower to come to a complete stop. Follow all tractor shut down procedures before dismounting from the tractor to check for probable causes.

9. Set tractor throttle to idle or slightly above idle and slowly engage PTO. Once Grooming Mower is running smoothly, increase tractor PTO speed to 540 rpm. Stop PTO rotation immediately if vibration occurs. Wait for PTO to come to a complete stop and then dismount to check for probable causes.

Transporting



CAUTION

When traveling on public roads, whether at night or during the day, use accessory lights and devices for adequate warning to operators of other vehicles. Comply with all Federal, State, and local laws.

NOTE: Always disengage PTO before raising the mower to transport position.

1. Be sure driveline does not contact tractor or mower when raising mower to transport position. Set tractor's 3-point lift height to prevent driveline from contacting mower deck when fully raised.
2. Be sure to reduce tractor ground speed when turning; and leave enough clearance so the mower does not contact obstacles such as buildings, trees or fences.
3. Select a safe ground speed when transporting from one area to another. When traveling on roadways, transport in such a way that faster moving vehicles may pass you safely. A slow moving vehicle sign should always be properly displayed when traveling on public roads or right-of ways.
4. Shift tractor to a lower gear when traveling over rough or hilly terrain.

Mowing Instructions



DANGER

Gearbox shields must be secured in place when operating to avoid injury or death from entanglement in rotating drivelines.



CAUTION

Do not over speed PTO or machine damage may result. Know what your tractor requirements are.



DANGER

Do not use deck as a fan. Cutting blades are not properly designed or guarded for this use. Using the deck as a fan can result in injury and/or death.



DANGER

Do not operate and/or travel across steep inclines where a tractor can roll-over resulting in serious injury or death. Consult your tractor's manual for acceptable inclines the tractor is capable of traveling across.



CAUTION

When mowing in sandy soil areas, wear may occur to your mower blades caused from sand erosion. Frequent inspection should be made and blades replaced if damaged.

Section 2: Operating Instructions

1. Clear the area to be mowed of rocks, branches and other foreign objects that might be picked up and thrown by the mower blades.

IMPORTANT: Stop PTO rotation immediately if vibration occurs during operation. Wait for mower to come to a complete stop. Follow all tractor shut down procedures before dismounting from the tractor to check for probable causes.

2. Lower mower to ground. Set tractor throttle at idle. Engage PTO to start blades rotating.
3. Operate with 540 rpm PTO tractor. mower blades will cut better at a 540 RPM than at reduced throttle.
4. At first, begin mowing in a low gear and shift up until the desired speed is achieved - maintain 540 PTO rpm regardless of gear selection.
5. After mowing the first 50 feet, stop and check to see that the mower is adjusted properly.
6. **Do not** make sharp turns or attempt to back up while mower is on the ground.
7. **Do not** engage PTO with mower in the fully raised position. **Do not** engage or disengage PTO at full throttle.
8. Grass is best cut when it is dry. Mowing wet grass can cause plugging resulting in grass clumps behind the mower.
9. Grass should be mowed frequently as shorter clippings deteriorate faster.
10. If mowing extremely tall grass, it is best to raise cutting height and mow the area, then lower cutting height and mow a second time at the desired height.
11. Periodically check for foreign objects wrapped around the Grooming Mower blades. Remove foreign objects only after following “**Tractor Shut Down Procedure**” on page 11.

Un-hooking the Mower

The following steps should be done when un-hooking the Grooming Mower from the tractor.

1. Park on a level solid surface.
2. Shut tractor engine off and engage parking brake.
3. Lower deck to level ground or onto blocks supporting the deck just above ground level.
4. Follow all tractor shut down procedures outlined on page 11 before dismounting from the tractor.
5. Unhitch Grooming Mower from tractor.
6. See “**Storage**” on page 16 if mower is not going to be used for a long time.

General Operating Instructions

By now you should have thoroughly read your Grooming Mower Operator's Manual, properly attached your Land Pride Side Discharge Air Tunnel grooming mower to your

tractor, and reviewed the operating checklist. You should have also inspected the area where you intend to mow and cleared it of safety hazards and foreign objects. If you have not yet completed all of these functions, it is an absolute must that you do so now before proceeding.

Now that you are properly briefed and prepared its time to start the tractor and move to your starting point. When transporting to your mowing site, select a safe ground transport speed. When traveling on roadways, transport in such a manner that faster moving vehicles can easily see you and pass you safely. Use “slow moving vehicle signs” where appropriate. When traveling over rough and hilly terrain, reduce your speed, avoid quick or sharp steering corrections. Take extra care to insure that the mower doesn't come into contact with obstacles such as trees, buildings or fences.

When you have arrived at the mowing site, start the tractor raise the deck to make sure that everything is properly attached and that the driveline is not in a bind or in contact with the mounting frame. Also make sure the tractor tires aren't in contact with the deck. With the deck still in the raised position, proceed to your starting point and lower your deck to the ground in mowing position. Reduce your tractor engine rpm to idle and engage the PTO. Gradually raise the tractor engine rpm to achieve the 540-rpm PTO speed. Now begin mowing at a ground speed of approximately 4-5mph.

The proper mowing speed will ultimately be determined by ground conditions, desired finish, common sense, and good safe mowing practices by the operator. Grass is best cut when it is dry. Mowing in wet grass can cause clumping as grass is discharged out the side chute of the mower. Grass should be mowed frequently if possible as shorter clippings deteriorate faster. When mowing in tall grass it is best to raise the cutting height, mow the area, then lower the cutting height, and mow a second time if you want a better finish.

After mowing approximately 50 ft., stop the tractor, disengage the PTO, set the brake, turn off the engine, remove the key, and dismount the tractor to see if the mower is adjusted properly. If you need to dismount the tractor on a hill or incline to inspect, adjust, or park the mower for any reason, place wheel chocks under the rear tires for added safety. Once you have made necessary adjustments, you may continue mowing. Do not engage the PTO at high engine rpm and avoid making sharp turns if at all possible. If some one approaches while you are mowing, disengage the PTO and stop the tractor.

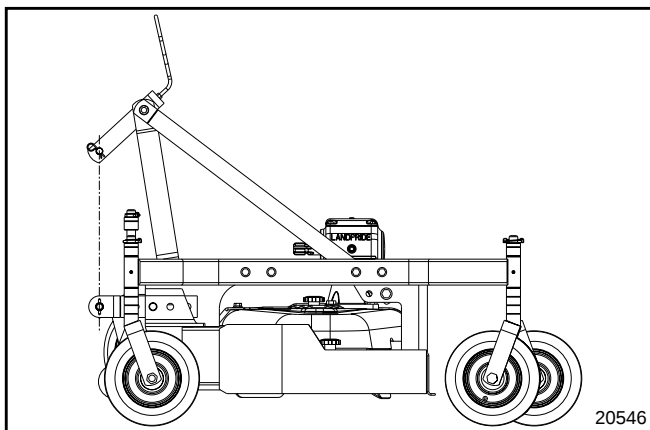
With a little practice and experience you will become very good at operating your Land Pride Side Discharge Air Tunnel Grooming mower. Look back often and always keep people, animals, and valued possessions away from the discharge chute Always remember that there is no substitute for proper maintenance and good safe operating practices. See “Features and Benefits” section or “Product Specifications” for additional information and performance enhancing options.

Section 3: Adjustments

Leveling the Mower

NOTE: Tractor and mower should be on level ground.

7. Set lower hitches and upper floating hitch, as shown below in Figure 3-1.
8. Start tractor and raise mower, watching that tractor draw bar (if not removed) does not interfere with mower.
9. Slowly lower the mower until gauge wheels touch the ground and the lower mower 3-point hitch bars are parallel to the ground in floating position. Set tractor 3-point stop.
10. Set park brake and turn off tractor. Remove key from ignition.
11. Rotate blades parallel to direction of travel.
12. Measure the clearance from the cutting edge to the ground at front and rear of the blade. This measurement should be equal or have the blade at the front of the mower not more than 1/2" lower than the blade at the rear of the mower.



3-Point Hitch
Figure 3-1

CAUTION

Engage parking brake, shut off tractor, remove key and disengage PTO before making any height adjustments!

Cutting Height Adjustment

1. Using the tractor, raise the mower off the ground and support under it with secure blocking so not to let the mower drift down during maintenance.
2. Holding wheel and yoke assembly up, remove quick-lock pin from top of gauge wheel spindle. Position full length spacers and half spacer as required. All spacers on top of spindle tube allows for approximately 3/4" cutting height. Adjustments range from 3/4" to a maximum of 5-1/4" in 1/2" increments. Refer to "Leveling the Mower" at the top this page.

3-Point Hitch Adjustments

The 3-point hitch system on this mower has been designed for front to back flotation when mowing on uneven terrain. Adjust the tractor's top link to place the upper hitch pin vertically above the lower hitch pins as shown below.

Belt Tension

Refer to Figure 3-2:

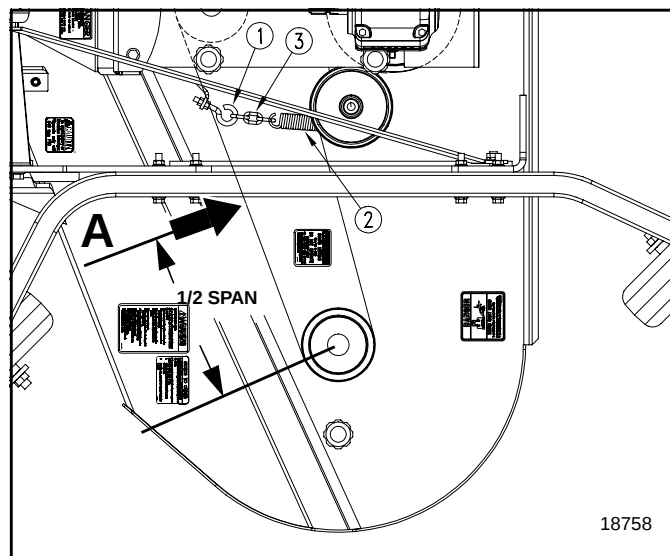
CAUTION

Belt drive system under spring tension; use care to avoid bodily harm!

1. To check tension apply force at arrow "A" with a tension tester and deflect the belt 1/4". The force required to get this deflection should range from 7 to 10 lbs.
2. To adjust belt tension, adjust eyebolt (#1), as necessary. This adjustment will increase or decrease the tension on spring (#2). If more tension is needed than the eyebolt can adjust take the tension spring (#2) to next link in the tension chain (#3).
3. Excessive tension on the belt may lead to premature failure of belt and drive components. Excessive tension on the belt may also lead to a safety hazard to the operator or bystanders. Not enough tension on the belt may lead to premature failure of the belt due to excessive slipping.

WARNING

Excessive tension on the belt may lead to premature failure of belt and drive components. Excessive tension on the belt may also lead to a safety hazard to the operator or bystanders.



Belt Tension
Figure 3-2

Maintenance

Proper servicing and adjustment can increase the life of any implement. With careful and systematic inspection, you can avoid costly maintenance, time and repair.

CAUTION

For safety reasons, each maintenance operation must be performed with the tractor's PTO disengaged, the mower lowered completely to the ground or on safely supported blocking, tractor engine shut off and ignition key removed.

- After using the mower for several hours, check all bolts to be sure they are tight and check the tension of the drive belt. Refer to *Belt Tension* in the “**Adjustments**” section on page 13.
- Lubricate items as listed under *Lubrication*, this section, starting on page 17.
- Replace any worn, damaged or illegible safety labels by obtaining new labels from your Land Pride Dealer. Information about labels is located under *Safety Labels* in the “**Important Safety Information**” section starting on page 1.

Service Mowing Blades

Blade Inspection

Refer to Figure 4-1:

Blade Wear: As blades wear and are sharpened, the blade performance will be reduced.

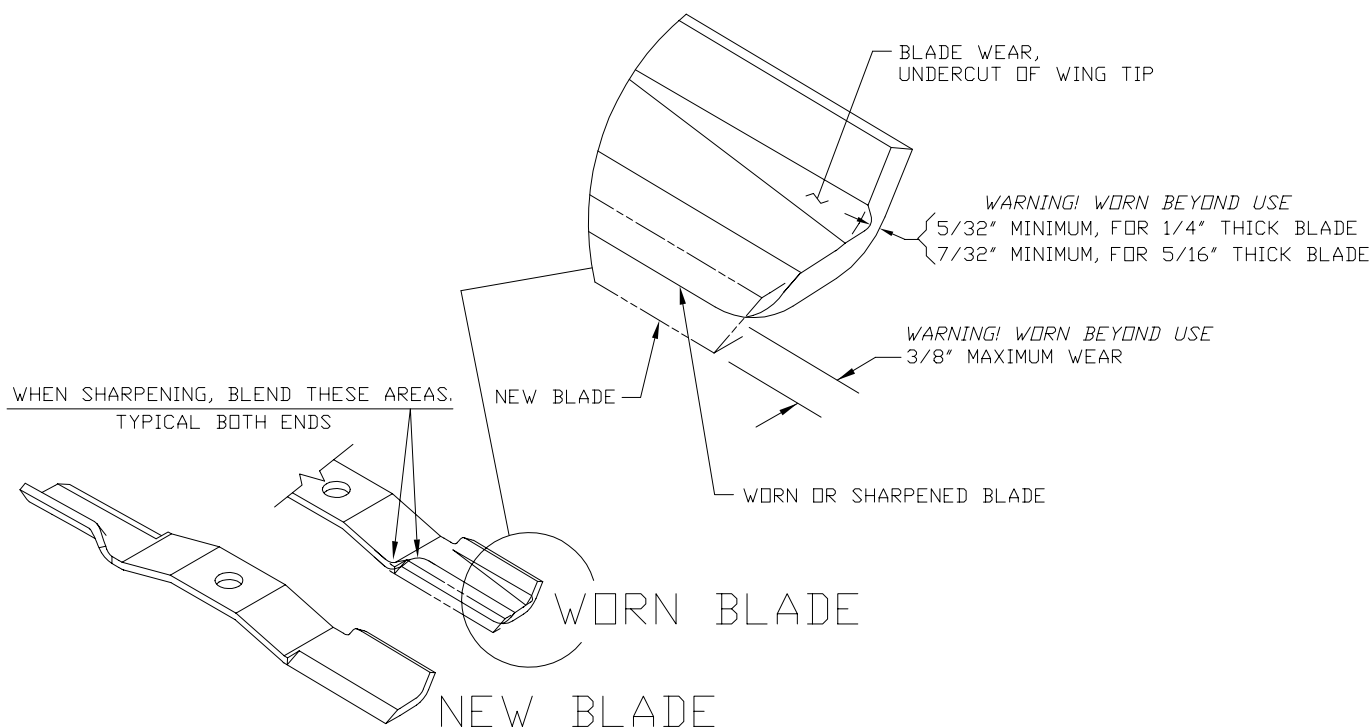
Bent, Deformed or Split Blades: Should be removed from unit and discarded. DO NOT attempt to straighten for reuse.

WARNING

DO NOT attempt to modify blade, such as hard surfacing, heat or cold treating and/or by any other method.

WARNING

DO NOT try to straighten a blade that is bent. Never weld a broken or cracked blade. ALWAYS replace with a new Land Pride blade to assure safety.



Inspection of Blades & Sharpening
Figure 4-1

19328

Section 4: Maintenance & Lubrication

Blade Sharpening or Replacement

IMPORTANT: Always install blade with the cutting edge facing direction of rotation.

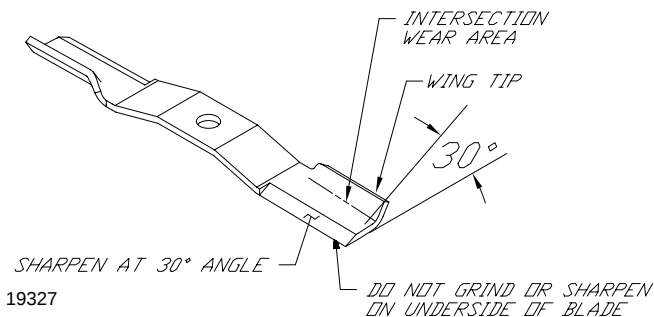
IMPORTANT: Replace blades with Land Pride blades only.



CAUTION

ALWAYS wear eye protection and gloves when sharpening a blade.

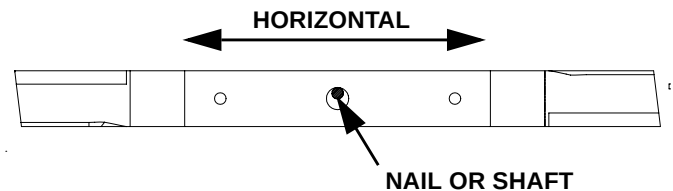
1. If the blade cutting edge is dull or nicked, it should be replaced or sharpened. Remove blades for replacing or sharpening by grasping the end of the blade using a rag or a thick, padded glove, while loosening and removing the bolt/bolts that mount the blade.
2. Clean blade, blade washer and mounting surface of all debris before replacing or sharpening. Grind cutting edge at the same bevel as the original. See Figure 4-2. Sharpen only the top of the cutting edge to maintain sharpness.



**Blade Sharpening
Figure 4-2**

3. Check blade balance by positioning the blade horizontally on a nail or shaft through the center hole. See Figure 4-3. If either end of the blade rotates downward, grind (remove) metal on that end until the blade will balance. The blade is properly balanced when neither end drops. Balance of a blade is generally maintained by removing an equal amount of material from each end of the blade when sharpening.
4. Mount the blade with the wing tips pointing up towards bottom of deck. Reinstall the blade, blade washer and bolt. Care should be taken when installing blade bolt not to get it cross threaded. Do not exceed 55 ft.-lbs. of torque on bolt.

NOTE: Care should be taken in order not to remove any more material than necessary to sharpen blade.



**Blade Balancing
Figure 4-3**

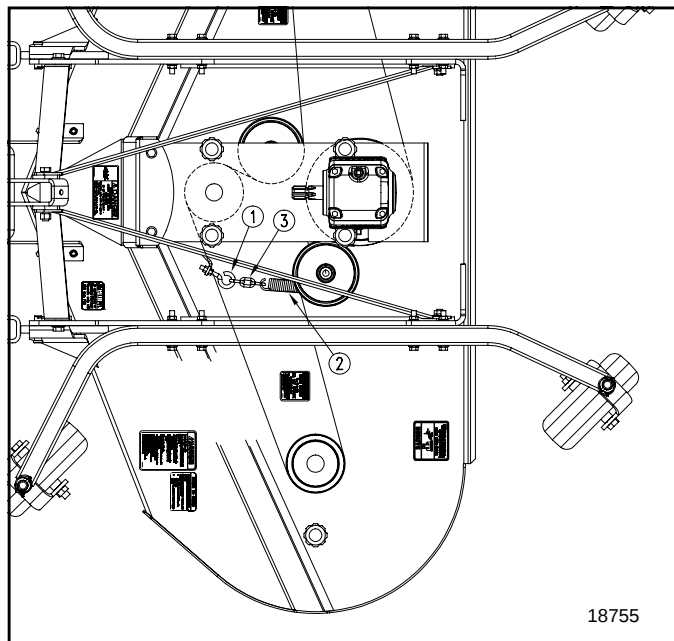
Section 4: Maintenance & Lubrication

V-Belt Installation

Refer to Figure 4-4:

This illustration is also on the label located on the top of the mower deck.

1. Remove the right hand and the left hand belt covers.
2. Disengage belt tension by loosening the eyebolt (#1) and removing the spring (#2) from the tension-chain link (#3).
3. With tension relieved from belt remove old belt from pulleys.
4. To install a new belt be sure the belt is positioned in all the pulley grooves. Engage belt tension by assembling the tension spring back on the eyebolt and tightening the eyebolt to apply tension to new belt. Check the belt tension, refer to Figure 3-2 on page 13.
5. Reinstall all belt covers and secure in place with hardware.



V-Belt Installation
Figure 4-4

Storage

At the end of the working season or when the mower will not be used for a long period, it is good practice to clean off any dirt or grease that may have accumulated on the mower and any of the moving parts.

1. Clean as necessary.
2. Check the blades for wear and replace if necessary, see *Servicing Mowing Blades*, this section on page 14.
3. Inspect the mower for loose, damaged or worn parts and adjust or replace as needed.
4. Lubricate as noted in the *Lubrication* portion of this section starting on page 17.
5. Store unit inside if possible for longer life.

Repaint parts where paint is worn or scratched to prevent rust. Ask your dealer for Aerosol Land Pride Beige touch-up paint #821-011C.

Section 4: Maintenance & Lubrication

Lubrication

Lubrication Legend



Multi-purpose
spray lube



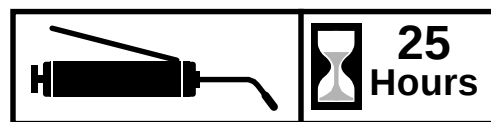
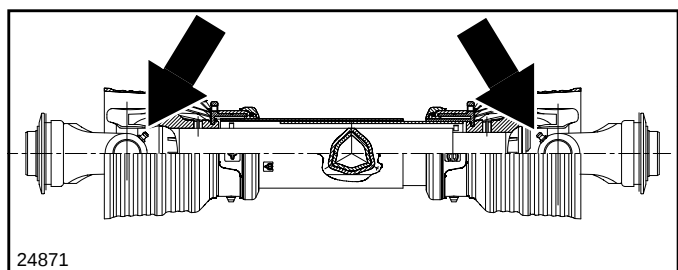
Multi-purpose
grease lube



Multi-purpose
oil lube



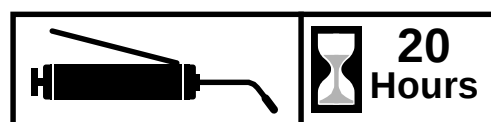
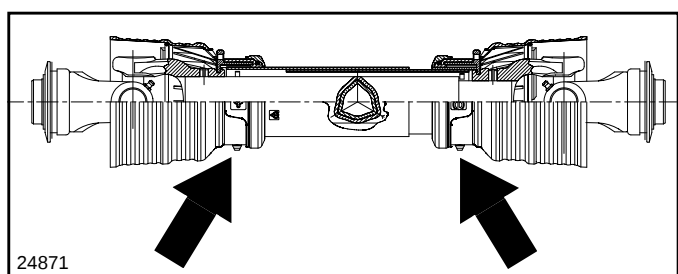
Intervals in hours at which
lubrication is required



Driveline Shaft U-Joints

Type of Lubrication: Multi-purpose Grease

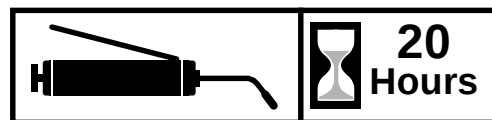
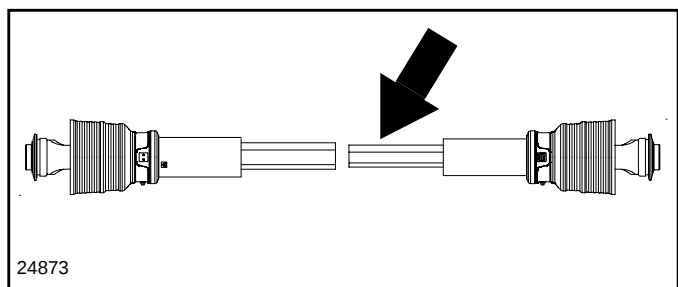
Quantity - 4 to 8 Pumps



Inner Tube Bearings

Type of Lubrication: Multi-purpose Grease

Quantity - As Required

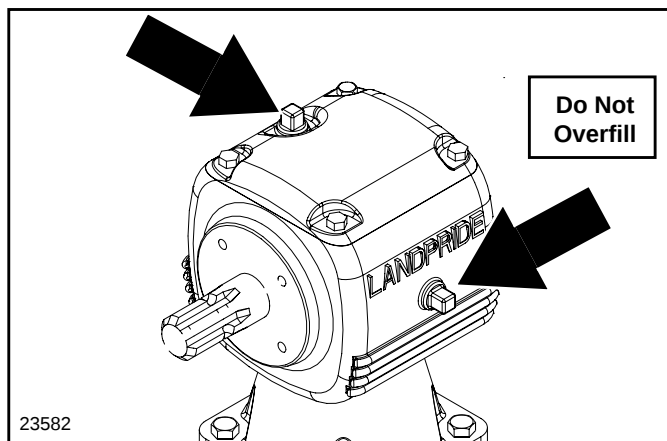


Driveline Profiles

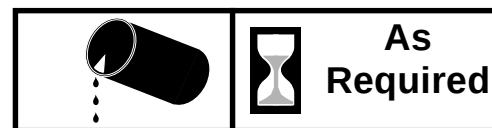
Type of Lubrication: Multi-purpose Grease

Quantity - Clean & coat inner profile tube of driveline with a light film of grease and then reassemble.

Section 4: Maintenance & Lubrication



IMPORTANT: Your mower is shipped with the gearbox vent plug with dipstick packaged in the Operator's Manual bag and should have been installed in the gearbox by your Land Pride dealer. Please see your Land Pride dealer if the vent plug with dipstick was not included.



Gearbox

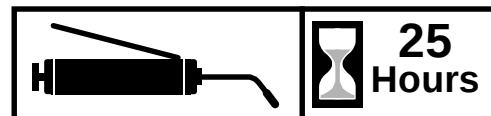
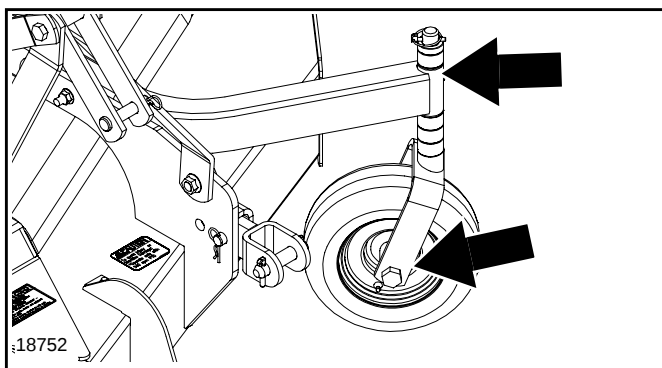
IMPORTANT: Do not overfill! Level mower and wait for gearbox oil to cool before checking. Mower that is not level or a gearbox with hot oil will not show correct oil level on the dipstick.

Unscrew top vent plug in gearbox to remove dipstick. Wipe oil from dipstick and screw it back in without tightening. Unscrew dipstick and check oil level mark. If low, fill through top plug hole in gearbox with EP 80-90W oil until oil reaches full mark on the dipstick. Reinstall vent plug with dipstick and tighten.

Take your gearbox to a Land Pride dealer if it requires service.

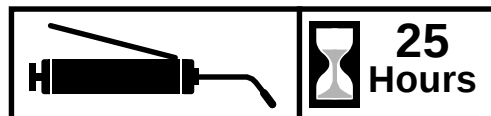
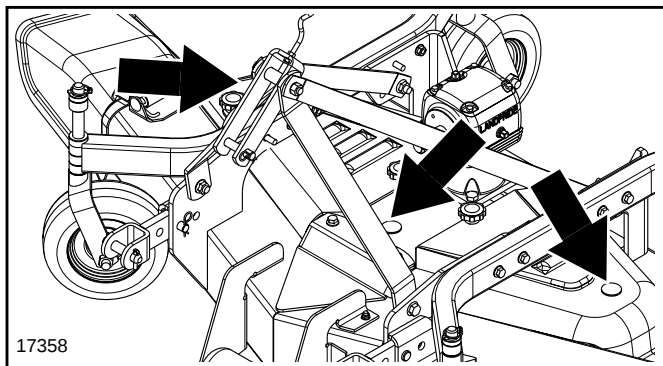
Type of Lubrication: Gear Lube EP 80-90W

Quantity = Fill until oil reaches full mark on dipstick.



Wheel Support Bushings & Wheel Bearings

Type of Lubrication: Multi-purpose Grease



Bearing in Blade Spindle Hubs

Type of Lubrication: Multi-purpose Grease

Section 5: Specifications & Capacities

AT26 Air Tunnel Series	
	AT2672
Maximum Engine Horsepower	50 HP
Cutting Width	72"
Overall Width	91 1/2"
Height	39"
Length	63"
Weight	672 lbs.
Mowing Height	3/4" - 5 1/4" (1/2" increments)
Deck Material Thickness	3/16"
Blades	3 Blades Offset Design 1/4" x 2 1/2" x 25" Heat Treated Alloy Steel
Blade Overlap	1 1/2"
Blade Tip Speed	18,134 FPM
Hitch	Category I Floating Top Link Adjustable Clevises
Gauge Wheels - 4 each Castered	3 1/4" x 10" Solid rubber tires
Wheel Spindle	1" Diameter with Greasable Bushing 540 RPM PTO Gearbox
Drive Train	1:2.5 Ratio, Cast Iron Housing B-Section V-Belt
Grass Chute	Hinged-Adjustable
Front Roller	Optional
Gearbox	540 RPM, Cast Iron Housing, Beveled Gears
Driveline	Heavy-Duty with Quick Coupler

AT2672 Series

Features	Benefits
Air Tunnel Design	High clearance deck lifts grass upright and discharges it efficiently, performs better in moist or extra-heavy conditions than rear discharge.
3/16" Deck thickness	Heavy deck material to aid in overall strength and longevity.
5 Year Limited Gear Box Warranty	Adds lasting value and confidence in the product.
Top greasing spindles	Thorough lubrication assuring top bearing is always greased; easy access – less maintenance time.
1 3/8" Machined blade spindle with ball bearings and cast iron housing.	Machined spindle for balanced performance and accuracy, ball bearings for smooth and quiet running, cast iron housing for added protection and durability.
Lower hitch points adjust in and out	Fits a wide range of tractor/tire configurations.
Longer lower hitch clevises are available	Some tractor/tire combinations do not allow enough room for the mower hook-up, longer hitches allows this.
Clevis type lower hitches	Allows for easy hook-up by being able to remove pins and back into clevises.
Floating hitch system	Top and bottom hitch points float up and down which allows the mower to float over uneven terrain.
Non-aligned gauge wheels	Rear wheels do not track behind the front wheels to reduce laying grass over.
One piece gauge wheel arms	One piece 2" x 3" tubing for gauge wheel arms increases strength and adds to appearance.
Solid Rubber Tires	Hard rubber tires are sandwiched between the rim halves and bolted in and can't go flat.
Choice of blades	Low, medium, high-lift, or mulching blades are available to match customer needs and specific applications.
Blade overlap	Blade overlap of 1 1/2" assures no skipping in tight turns.
High Blade Tip Speed	18,134 fpm For cleaner cutting and better dispersion of clippings.
Single B-section Kevlar belt	Simple one belt design. Kevlar material adds additional strength.
Spring loaded idler	Allows for constant and proper tension on the belt. Better system than having to adjust the gearbox.
Vacuum formed ABS belt guards	No paint to scratch off, lighter weight, no rattling.
Vacuum formed ABS discharge chute	ABS spring loaded chute will handle obstructions easier.
Quick Hitch Compatible	Compatible with Land Pride Quick Hitch for easy attachment and removal increases productivity.
Driveline hanger	For ease of hook-up and storage of driveline. Keeps driveline on ground.

Section 7: Troubleshooting

Problem	Solution
Side discharge area plugged	Check installation of belt.
	Wait until grass dries.
	Raise cutting height of mower and cut grass twice.
	Mow at full throttle (540 PTO rpm), check PTO speed and tractor engine.
	Shift transmission to a lower gear.
 CAUTION Do not try to clean discharge area when mower is running. Bodily harm may occur!	
Belt slipping	Unplug and clean mower deck.
	Remove belt guard shields and clean sheaves.
	Tighten spring take-up eyebolt.
	Replace belt.
Patches of uncut grass	Mow at full throttle (540 PTO rpm), check PTO speed and tractor engine.
	Shift transmission to a lower gear.
	Tighten spring take-up eyebolt.
	Sharpen and balance or replace blade.
Excessive vibration	Replace blades.
	Replace drive belt.
	Replace pulleys or align.
	Remove belt guard shields & clean debris from belt area & sheaves.
Gearbox noisy	Check lubricant level.
Blades scalping grass	Raise cutting height by adjusting wheels.
	Change mowing pattern.
	Reduce speed turns.
Uneven cut	Shift to a lower gear.
	Level mower.
	Sharpen blades & balance or replace.
Tractor loaded down by mower	Mow at full throttle (540 PTO rpm).
	Shift to a lower gear.
	Clean mower.

Torque Values Chart

Bolt Size (Inches)	Bolt Head Identification						Bolt Size (Metric)	Bolt Head Identification					
	 Grade 2		 Grade 5		 Grade 8			 Class 5.8		 Class 8.8		 Class 10.9	
in-tpi ¹	N · m	ft-lb ³	N · m	ft-lb	N · m	ft-lb	mm x pitch	N · m	ft-lb	N · m	ft-lb	N · m	ft-lb
1/4" - 20	7.4	5.6	11	8	16	12	M 5 X 0.8	4	3	6	5	9	7
1/4" - 28	8.5	6	13	10	18	14	M 6 X 1	7	5	11	8	15	11
5/16" - 18	15	11	24	17	33	25	M 8 X 1.25	17	12	26	19	36	27
5/16" - 24	17	13	26	19	37	27	M 8 X 1	18	13	28	21	39	29
3/8" - 16	27	20	42	31	59	44	M10 X 1.5	33	24	52	39	72	53
3/8" - 24	31	22	47	35	67	49	M10 X 0.75	39	29	61	45	85	62
7/16" - 14	43	32	67	49	95	70	M12 X 1.75	58	42	91	67	125	93
7/16" - 20	49	36	75	55	105	78	M12 X 1.5	60	44	95	70	130	97
1/2" - 13	66	49	105	76	145	105	M12 X 1	90	66	105	77	145	105
1/2" - 20	75	55	115	85	165	120	M14 X 2	92	68	145	105	200	150
9/16" - 12	95	70	150	110	210	155	M14 X 1.5	99	73	155	115	215	160
9/16" - 18	105	79	165	120	235	170	M16 X 2	145	105	225	165	315	230
5/8" - 11	130	97	205	150	285	210	M16 X 1.5	155	115	240	180	335	245
5/8" - 18	150	110	230	170	325	240	M18 X 2.5	195	145	310	230	405	300
3/4" - 10	235	170	360	265	510	375	M18 X 1.5	220	165	350	260	485	355
3/4" - 16	260	190	405	295	570	420	M20 X 2.5	280	205	440	325	610	450
7/8" - 9	225	165	585	430	820	605	M20 X 1.5	310	230	650	480	900	665
7/8" - 14	250	185	640	475	905	670	M24 X 3	480	355	760	560	1050	780
1" - 8	340	250	875	645	1230	910	M24 X 2	525	390	830	610	1150	845
1" - 12	370	275	955	705	1350	995	M30 X 3.5	960	705	1510	1120	2100	1550
1-1/8" - 7	480	355	1080	795	1750	1290	M30 X 2	1060	785	1680	1240	2320	1710
1 1/8" - 12	540	395	1210	890	1960	1440	M36 X 3.5	1730	1270	2650	1950	3660	2700
1 1/4" - 7	680	500	1520	1120	2460	1820	M36 X 2	1880	1380	2960	2190	4100	3220
1 1/4" - 12	750	555	1680	1240	2730	2010	¹ in-tpi = nominal thread diameter in inches-threads per in ² N · m = newton-meters ³ ft-lb= foot pounds ⁴ mm x pitch = nominal thread diameter in millimeters x thread pitch						
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							
Torque tolerance + 0%, -15% of torquing values. Unless otherwise specified use torque values listed above.													

Warranty

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

Overall Unit and Drivelines: One year Parts and Labor

Gearbox: 5 years on Housing, Gears and Shafts

3 years on Bearings and Seals

Belts, blades, friction discs in slip-clutch and tires are considered wear items

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

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

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

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

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

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



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