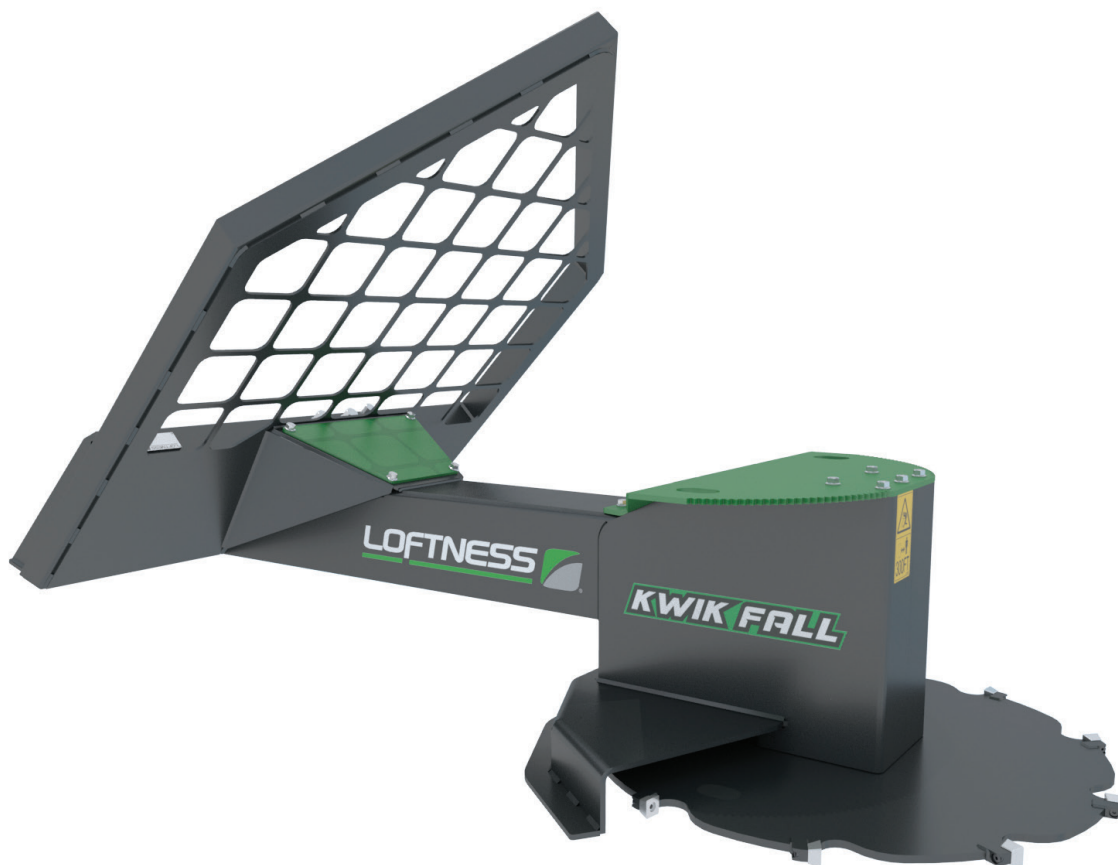




Kwik Fall

Tree Saw

Owner's Manual and Parts Book
(Originating w/Serial Number 120-100)

Model Number: _____
Serial Number: _____
Date of Purchase: _____





LOFTNESS SPECIALIZED EQUIPMENT, INC.

LIMITED WARRANTY POLICY

The limited warranty policy begins upon delivery of the unit to the original customer.

The following Loftness products have a two (2) year limited warranty;

XLB10 Grain Bag Loader, Battle Ax L-series Skid Steer, Battle Ax S-series Skid Steer, Battle Ax H-series Skid Steer, Battle Ax Excavator 20-series, Battle Ax Excavator 30-series, Battle Ax Excavator 40-series, Battle Ax Excavator 50-series, Battle Ax Extreme, Bad Ax Skid Steer, Timber Ax Skid Steer, Stump Ax, BT20, Kwik Cut.

All other Loftness products have a one (1) year limited warranty.

If any Loftness product is used as rental or leased equipment the limited warranty period is for only 30 days from the delivery date to the original customers.

Loftness Specialized Equipment, Inc. ("LOFTNESS") warrants new LOFTNESS machinery and/or attachments at the time of delivery to the original purchaser, to be free from defects in material and workmanship when properly set up and operated in accordance with the recommendations set forth in the LOFTNESS Operator's Manual. The second year of limited warranty includes only parts, and not labor.

LOFTNESS' liability for any defect with respect to accepted goods shall be limited to repairing the goods at an authorized dealer or other LOFTNESS designated location, or replacing them as LOFTNESS shall elect. The above shall be in accordance with LOFTNESS warranty adjustment policies.

WARRANTY REQUIREMENTS

Warranty registration form must be filled out and returned to Loftness Specialized Equipment to validate all warranty claims.

To request a warranty claim, a return authorization from LOFTNESS must be obtained. The failed part may then be returned in an untampered status. This warranty does not include freight or delivery charges incurred when returning machinery for servicing. Dealer mileage, service calls and pick-up/delivery charges are the customer's responsibility.

LIMITATIONS OF WARRANTY

LOFTNESS products are designed to provide years of dependable service when proper use and maintenance is adhered to. The potential for misuse in many applications exists; therefore, a limited warranty is provided as follows.

This warranty shall not apply to any machine or attachment which shall have been repaired or altered outside the LOFTNESS factory or authorized LOFTNESS dealership or in any way so as in LOFTNESS' judgment, to affect its stability or reliability, nor which has been subject to misuse, negligence or accident, nor to any machine or attachment which shall not have been operated in accordance with LOFTNESS' printed instructions or beyond the company recommended machine rated capacity. LOFTNESS may elect to have an area representative evaluate the condition of the machine before warranty is considered.

In addition, this limited warranty provides no coverage for general wear or maintenance items, misuse, environmental conditions and/or contamination for which they were not designed or not intended, including but not limited to the following items;

Use of machine beyond its rated capacity, Conveyors, Improper knife replacement, Auger wear, Missing knives, Saw blades, Striking foreign objects, Brakes and brake pads, Lack of lubrication, Tires, Failures caused by running in an "out-of-balance" condition, Hydraulic hoses damaged by being caught in "pinch points" or by moving parts, and Damage caused by excessive force from the power unit.

EXCLUSIONS OF WARRANTY

Except as otherwise expressly stated herein, LOFTNESS makes no representation or warranty of any kind, expressed or implied. **The implied warranty of merchantability and fitness for a particular purpose are disclaimed, and excluded from this limited warranty.** The remedies set forth in this warranty are the sole and exclusive remedies available to any person under this warranty. LOFTNESS shall have no liability to any person for incidental, consequential or special damages of any description, whether arising out of express or implied warranty or any other contract, negligence, or other tort or otherwise. This exclusion of consequential, incidental and special damages is independent from and shall survive any finding that the exclusive remedy failed of its essential purpose. Upon purchase, the buyer assumes all liability, all personal injury and property damage resulting from the handling, possession or use of the goods by the buyer.

No agent, employee or representative of LOFTNESS has any authority to bind LOFTNESS to any affirmation, representation or warranty concerning its machinery and/or attachments except as specifically set forth herein. (October 2025)





To the Dealer:

In order to ensure compatibility / performance of the Loftness attachment and the customer's power unit, it is IMPERATIVE that this Pre-Delivery Inspection ("PDI") be completed using the customer's actual power unit.

PRE-DELIVERY INSPECTION

Dealer: By initialing each line I understand and promise that I have completed the following:

- ____ Verified the attachment is set up properly for customers power unit. (check model code with manual)
- ____ Greased all grease zerks till grease purges out of bearing.
- ____ Removed all shipping brackets.
- ____ Adjusted push bar out of shipping position. (if equipped) (full forward position recommended)
- ____ Installed head on customer's unit that will be running the attachment and set hydraulic flow per power unit manufacturer owner's manual for preferred flow.
- ____ Recorded the Serial Number / Make / Model of the power unit.
Power unit. S/N _____ Make _____ Model _____ GPM _____
- ____ Recorded the Serial Number and Model of the Loftness attachment. S/N _____ Model _____
- ____ Verified power unit manufacturer outlined Auxiliary coupler orientation for pressure, return & case drain line.
- ____ Verified/recorded rotor RPM at full throttle per model & chart in Loftness owner's manual. RPM _____
- ____ Performed an Auxiliary system pressure stall check on the power unit only and verified that max pressure rating is achieved per power unit manufacturer specifications. Recorded pressure observed _____ PSI

PDI completed by: _____ Print

Signed/Date

Contact Loftness factory if any of the tests are not within power unit or Loftness specifications.

DELIVERY

- ____ Showed customer all grease zerks.
- ____ Showed customer adjustable push bar options. (if equipped)
- ____ Showed customer how to properly engage hydraulics to operate attachment.
- ____ Reviewed owner's manual, all on-product warnings and instructions, and safe operation with customer.
- ____ Assisted customer with completing / submitting Warranty Registration Form to Loftness by one of the below options.
Dealer also needs to submit a copy of this completed PDI to Loftness and maintain the copy in owner's manual for unit.

Mail to:

Loftness Specialized Equipment
PO Box 337
Hector, MN 55342

Delivered to Customer by: _____ Print

Signed/Date

Email to: registration@loftness.com

LOFTNESS COPY



To the Dealer:

In order to ensure compatibility / performance of the Loftness attachment and the customer's power unit, it is IMPERATIVE that this Pre-Delivery Inspection ("PDI") be completed using the customer's actual power unit.

PRE-DELIVERY INSPECTION

Dealer: By initialing each line I understand and promise that I have completed the following:

- ____ Verified the attachment is set up properly for customers power unit. (check model code with manual)
- ____ Greased all grease zerks till grease purges out of bearing.
- ____ Removed all shipping brackets.
- ____ Adjusted push bar out of shipping position. (if equipped) (full forward position recommended)
- ____ Installed head on customer's unit that will be running the attachment and set hydraulic flow per power unit manufacturer owner's manual for preferred flow.
- ____ Recorded the Serial Number / Make / Model of the power unit.
Power unit. S/N _____ Make _____ Model _____ GPM _____
- ____ Recorded the Serial Number and Model of the Loftness attachment. S/N _____ Model _____
- ____ Verified power unit manufacturer outlined Auxiliary coupler orientation for pressure, return & case drain line.
- ____ Verified/recorded rotor RPM at full throttle per model & chart in Loftness owner's manual. RPM _____
- ____ Performed an Auxiliary system pressure stall check on the power unit only and verified that max pressure rating is achieved per power unit manufacturer specifications. Recorded pressure observed _____ PSI

PDI completed by: _____ Print

Signed/Date

Contact Loftness factory if any of the tests are not within power unit or Loftness specifications.

DELIVERY

- ____ Showed customer all grease zerks.
- ____ Showed customer adjustable push bar options. (if equipped)
- ____ Showed customer how to properly engage hydraulics to operate attachment.
- ____ Reviewed owner's manual, all on-product warnings and instructions, and safe operation with customer.
- ____ Assisted customer with completing / submitting Warranty Registration Form to Loftness by one of the below options.
Dealer also needs to submit a copy of this completed PDI to Loftness and maintain the copy in owner's manual for unit.

Mail to:

Loftness Specialized Equipment
PO Box 337
Hector, MN 55342

Delivered to Customer by: _____ Print

Signed/Date

Email to: registration@loftness.com

CUSTOMER COPY



Table of Contents

Warranty

Table of Contents

Ordering Code

Ordering Code	1
Kwik Fall (Example)	1

Introduction

Owner Information	3
Warranty Policy	3
Serial Number Location	3
Owner's Manual Access	3
Kwik Fall Features	4

Safety Instructions

Safety First	5
Owner's Responsibility	5
Mandatory Shut-Down Procedure	6
Safety Rules	6
Hydraulic Safety	7
California Proposition 65 Warning	7
For California Models Only	7
Safety Decal Locations	8
Safety Decals	9
Defined	9
Kwik Fall Identification	11

Set-up Instructions

Attaching the Kwik Fall to the Loader	13
Hydraulic Connections	13
Checking Disc Rotation	14
Checking Disc Speed	14

Operating Instructions

Getting Started	15
Pre-start Checklist	15
General Operation and Cutting Instructions	15
General Operation Safety	15
General Operating Instructions	16
Detaching the Kwik Fall	16
Transporting	17
Road Travel	17
Hauling	17
Hydraulic Hose Storage	17

Table of Contents

Maintenance

- General Maintenance 19
- Break-In Schedule..... 19
- Maintenance Schedule 19
- Lubrication..... 19
 - Motor Bearings (Bearing Adapter)..... 19
- Removing Valve Access Cover 19
- Removing the Deflector/Access Cover 20
- Tooth Removal and Installation 20
- Storage 21
 - End of Season 21
 - Beginning of the Season 21

Parts Identification

- Frame; Deflector; Valve Cover; Disc Assembly 24
- Hydraulic System 26
- Valve, Cross Port Relief (N34677) 28
- Bearing Adapter (214953) 29
- Machine Decals and Signs 30

Appendix

- Specifications 31
- Dimensions 32
- Torque Specifications 33
 - Inches Hardware and Lock Nuts 33
 - Metric Hardware and Lock Nuts 34

Ordering Code

Kwik Fall (Example)

The ordering code will consist of two numbers and three letters (saw disc size and machine type), one letter (mount design), two letters (tooth design), and two numbers (motor).

38KFHFSQ80

DISC SIZE

38KFH = 38" Tip Diameter

MOUNT

F = Fixed

TEETH

SQ = Square

MOTOR

80 = Piston Motor 80cc 26-45 GPM up to 5,100 PSI



Owner Information

Thank you for purchasing the Loftness Kwik Fall tree saw. To ensure maximum performance of your machine, it is mandatory that you thoroughly study the owner's manual and follow its recommendations. Proper operation and maintenance are essential to prevent injury or damage and to maximize machine life.

The Kwik Fall tree saw is a hydraulically driven tree and brush-cutting attachment for skid loaders, powered by a bent-axis piston hydraulic motor for consistent performance under load. It features a 38-inch diameter cutting disc made of abrasion-resistant steel, capable of cutting trees up to 14 inches in diameter. The disc is equipped with ten four-sided carbide teeth that can be indexed up to four times before replacement. A built-in tree deflector and disc protection system help manage falling material and safeguard critical components, while the heavy-duty steel construction ensures durability in demanding applications.

This manual provides essential guidance on safe operation, general connection procedures, and proper operating practices. For detailed instructions regarding your loader, consult its owner/operator manual or contact your dealer.

Operate and maintain this machine in a safe manner and in accordance with all applicable local, state, and federal codes, regulations, and/or laws, and in compliance with on-product labeling and these instructions.

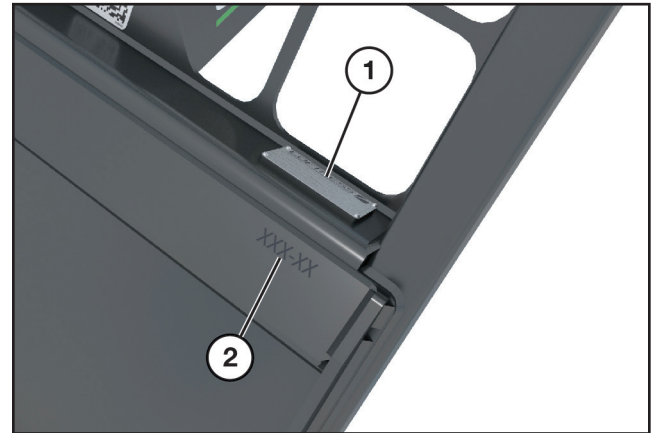
Make sure that all personnel have read this owner's manual and thoroughly understand safe and correct operating, installation, and maintenance procedures.

Continuous improvement and advancement of Loftness products may result in changes to your equipment that may not be reflected in this publication. Loftness reserves the right to make product improvements to the machine at any time. Although great care has been taken to ensure the accuracy of this publication, Loftness does not assume any liability for errors or omissions.

Warranty Policy

Be sure to read and understand the Warranty Policy at the beginning of this manual. It is also important that you fill out the Warranty Registration form(s) completely with your dealer so as not to void the warranty.

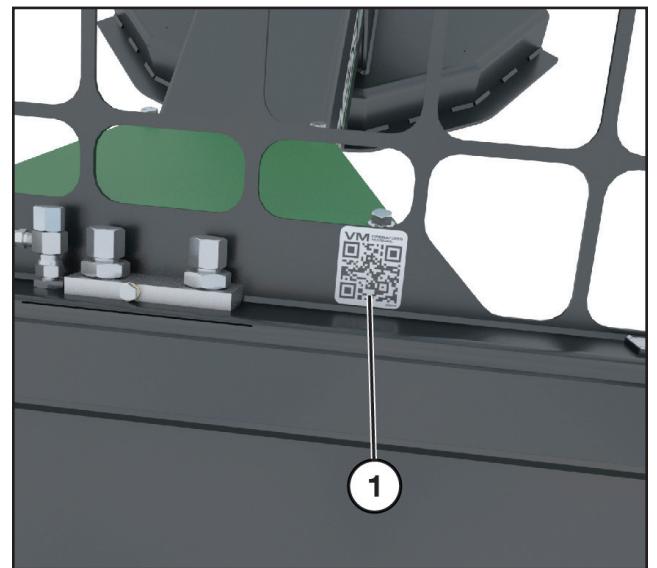
Serial Number Location



The machine serial number is shown on the tag (1) and also stamped into the machine frame (2).

Always use your model and serial number when requesting information or ordering parts.

Owner's Manual Access



The Kwik Fall is shipped with a printed owner's manual. The manual must be accessible to all operators. Keep it in a safe, dry location.

To access a digital owner's manual, use a smartphone to scan the QR code (1) located at the rear of the machine, adjacent to the relief valve. The QR code links to the Kwik Fall owner's manual on the Loftness website.

Introduction

Kwik Fall Features

- 80cc Bent-Axis Piston Motor
- 26-45 GPM up to 5,100 PSI
- 14 in. (35.5 cm) Cut Capacity
- 38 in. (1 m) Diameter Carbide Tip Disc
- 10 Four-Sided Carbide Teeth (Reversible)
- 135-Degree Disc Protection
- Angled Tree Deflector
- Premium Strength Steel Construction
- Universal Skid Steer Mount
- Hoses Included

Safety First



Safety Alert Symbol

This message alert symbol identifies important safety messages on the machine and in the owner's manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

In the owner's manual and on decals used on the machine, the words **DANGER, WARNING, CAUTION, IMPORTANT, and NOTE** are used to indicate the following:

DANGER: This word warns of immediate hazards which, if not avoided, will result in severe personal injury or death. The color associated with Danger is RED.

WARNING: This word refers to a potentially hazardous situation which, if not avoided, could result in severe personal injury or death. The color associated with Warning is ORANGE.

CAUTION: This word refers to a potentially hazardous or unsafe situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. The color associated with Caution is YELLOW.

IMPORTANT: Highlights information that must be heeded.

NOTE: A reminder of related information that needs to be considered.

If safety decals on this machine are ISO two-panel pictorial decals, they are defined as follows:

- The first panel indicates the nature of the hazard.
- The second panel indicates the appropriate avoidance of the hazard.
- Background color is YELLOW.
- Prohibition symbols such as  and  if used, are RED.

Be certain that all machine operators are aware of the dangers indicated by safety decals applied to the machine, and be certain that they follow all safety decal instructions. Contact Loftness for replacement safety decals.

Loftness cannot anticipate every possible circumstance that may involve a potential hazard. The warnings in this owner's manual are not all-inclusive.

Owner's Responsibility

Because of the potential safety hazard to eyes from hydraulic leaks and/or flying debris, "**USE OF PROTECTIVE EYEWEAR IS ABSOLUTELY MANDATORY**" for the operator and others in the work area.

Due to the possible danger of flying debris, it is "**ABSOLUTELY MANDATORY** that **IMPACT-RESISTANT SHIELDING**" be provided on the power unit to protect the operator. The owner is responsible for providing the operator protection devices on the power unit.

Flying debris can gather on the loader and needs to be cleaned off, especially around the radiator and oil cooler screens, engine compartment and exhaust areas. Periodic cleaning will help prevent the possibility of fire.

It is **ABSOLUTELY MANDATORY** that all personnel read and follow all safety precautions before operating the machine and attachment.

Make sure that all personnel have read this owner's manual and thoroughly understand safe and correct installation, operation, and maintenance procedures.

Operate and maintain this machine in a safe manner and in accordance with all applicable local, state, and federal codes, regulations and/or laws and in compliance with on-product labeling and the instructions in this owner's manual.

Make sure that all personnel know how to stop the machine and attachment by disengaging all controls. See "Lubrication" on page 19.

Make sure the attachment is installed on the machine correctly before being placed in service. At regular intervals thereafter, the attachment should be serviced in accordance with procedures outlined in this owner's manual.

Safety Instructions

Mandatory Shut-Down Procedure

- Stop the machine and attachment on a level surface and lower the attachment to the ground.
- Move the throttle to the idle position.
- Disengage all power to the attachment.
- Shut off the engine and remove the key.

Wait until the disc has stopped completely before inspecting the attachment.

Safety Rules

These are general safety considerations. Additional precautions may be necessary to operate your machine in a safe manner. Be certain you are operating your machine in accordance with all safety codes, OSHA rules and regulations, insurance requirements, and local, state, and federal laws.

General Operator Requirements

- Read and fully understand this manual and the machine operator's manual before operating the Kwik Fall. Only trained and authorized operators may use this equipment.
- Do not operate or service the machine while under the influence of alcohol, medications, or drugs that may impair judgment or alertness.
- Always operate the Kwik Fall from the operator's seat. Never leave the machine running and unattended.
- Ensure adequate lighting and visibility before operating.

Work Area Safety

- Keep children, bystanders, animals, and unauthorized personnel at least 300 feet away during operation. No riders allowed.
- Familiarize yourself with the work area before operating. Watch for uneven terrain, wires, hidden debris, garbage, rocks, and other obstacles that could pose safety risks or damage equipment.
- Mark the work area with clear signage to ensure hazards are visible.

Machine Condition and Guards

- Read and observe all warning decals on the machine and Kwik Fall. Do not operate unless all factory-installed guards, shields, and decals are in place and legible.
- Due to the risk of flying and falling debris, impact-resistant shielding must be installed on the loader to protect the operator. The owner is responsible for providing all required operator protection devices.
- Keep all guards, shields, and structural members in good condition. Repair or replace damaged or missing components immediately.
- Use only factory-recommended replacement parts to maintain machine effectiveness and safety.

Startup and Operation

- Before starting the engine, ensure all controls (levers, pedals, switches) are in NEUTRAL and the parking brake is engaged.
- Familiarize yourself with all controls and safety devices, including how to stop the machine and Kwik Fall.
- Always have an operator in the machine while the Kwik Fall is running.
- Keep hands and feet away from the Kwik Fall. Never step over, climb on, or reach into the disc area while the engine or Kwik Fall is running.
- Do not force the saw or move too quickly through branches and brush. Always maneuver the saw at a safe, comfortable speed.
- If excessive vibration or unusual operation occurs, disengage the auxiliary hydraulics immediately and shut off the engine. Do not resume operation until the issue has been identified and corrected.

Safety Rules (Cont'd)

Maintenance and Servicing

- Before leaving the operator's position for any reason, or before allowing anyone to approach the machine, perform the "Mandatory Shut-Down Procedure" on page 6.
- Read and understand this manual and the loader operator's manual before performing any maintenance.
- Never adjust, lubricate, inspect, clean, or service the Kwik Fall while the loader is running or with the ignition in the "ON" position.
- Keep work areas clear and free of grease, oil, and other hazards to prevent slips and falls.
- Avoid touching hot parts on the loader or Kwik Fall. Allow them to cool before performing any maintenance.
- Do not service the machine while it is raised. Use blocks as needed, or ensure the saw is resting firmly on the ground.
- Wear gloves when handling or servicing the disc and cutting teeth.
- Do not smoke while servicing the machine.

Personal Protective Equipment (PPE)

- Wear required PPE, including safety glasses, hearing protection, respirators, gloves, hard hats, safety shoes, and other protective clothing as conditions require.

Hydraulic Safety

- The hydraulic system is under high pressure. Make sure all lines and fittings are tight and in good condition. These fluids, escaping under high pressure, can have sufficient force to penetrate skin and cause serious injury.
- To prevent serious personal injury from escaping high-pressure fluid, never attempt to inspect, service, or disassemble any part of the hydraulic system until all pressure has been relieved from the system.
- Never check for leaks by using any part of your body to feel for escaping fluid.



WARNING: Contact with high-pressure fluids may cause fluid penetration and burn hazards. Fluid that is under pressure can penetrate body tissue. Fluid penetration can cause serious injury and possible death. If fluid is injected into the skin, seek medical attention immediately!

California Proposition 65 Warning

For California Models Only



WARNING: This product can expose you to Mineral Oil, which is known to the State of California to cause cancer. For more information, go to www.p65warnings.ca.gov.

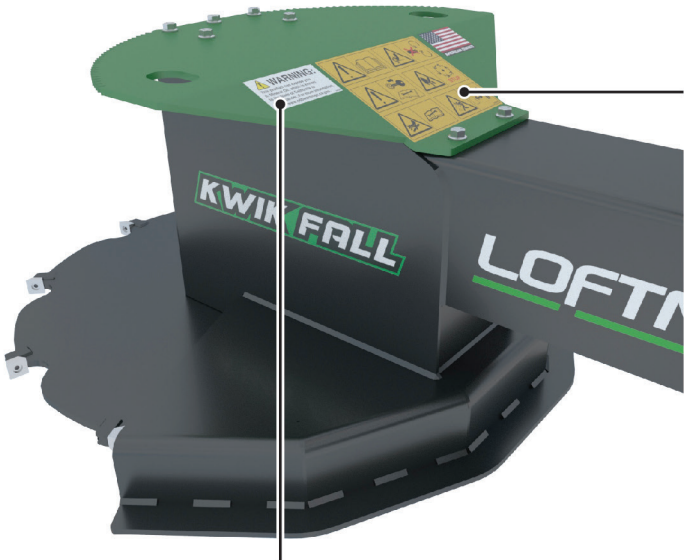
A decal with this warning statement is adhered to the machine. If the decal becomes worn or missing, replace it immediately.

Safety Instructions

Safety Decal Locations

Check and replace any worn, torn, hard-to-read, or missing safety decals on your machine.

NOTE: This section shows where safety-related decals are applied on the machine. For all machine decals see “Machine Decals and Signs” on page 30.



Safety Decals

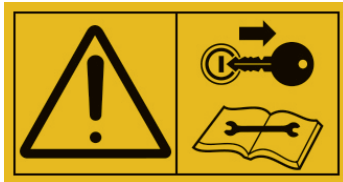
Defined

Loftness decal part number - 216436



Caution - General

- Read and understand the operator's manual before using this machine.
- Do not operate the machine in a manner for which it was not intended.
- Failure to follow operating instructions could result in death or serious injury.



Caution - General

- Shut off the engine and remove the key before performing maintenance or repair work.



Danger - Skin Puncture Hazard

- Protect hands and body from high-pressure fluids.
- High-pressure fluid leaks can penetrate the skin and cause severe injury, burns, or death. Seek immediate medical attention if fluid is injected into the skin.
- Read the operator's manual for proper service procedures.



Danger - Hand and Arm Entanglement

- Keep hands and feet away from moving parts.
- Do not open or remove safety shields while the engine is running.
- Turn off engine before servicing.



Danger - Cutting Hazard

- Keep hands and feet away from cutting knives.
- Wait until all machine components have completely stopped before servicing.



Danger - Thrown or Flying Object Hazard

- Flying debris can cause severe injury or blindness.
- Keep all bystanders, coworkers, and animals at a safe distance from the machine during operation.
- Always wear eye protection and required personal protective equipment (PPE).

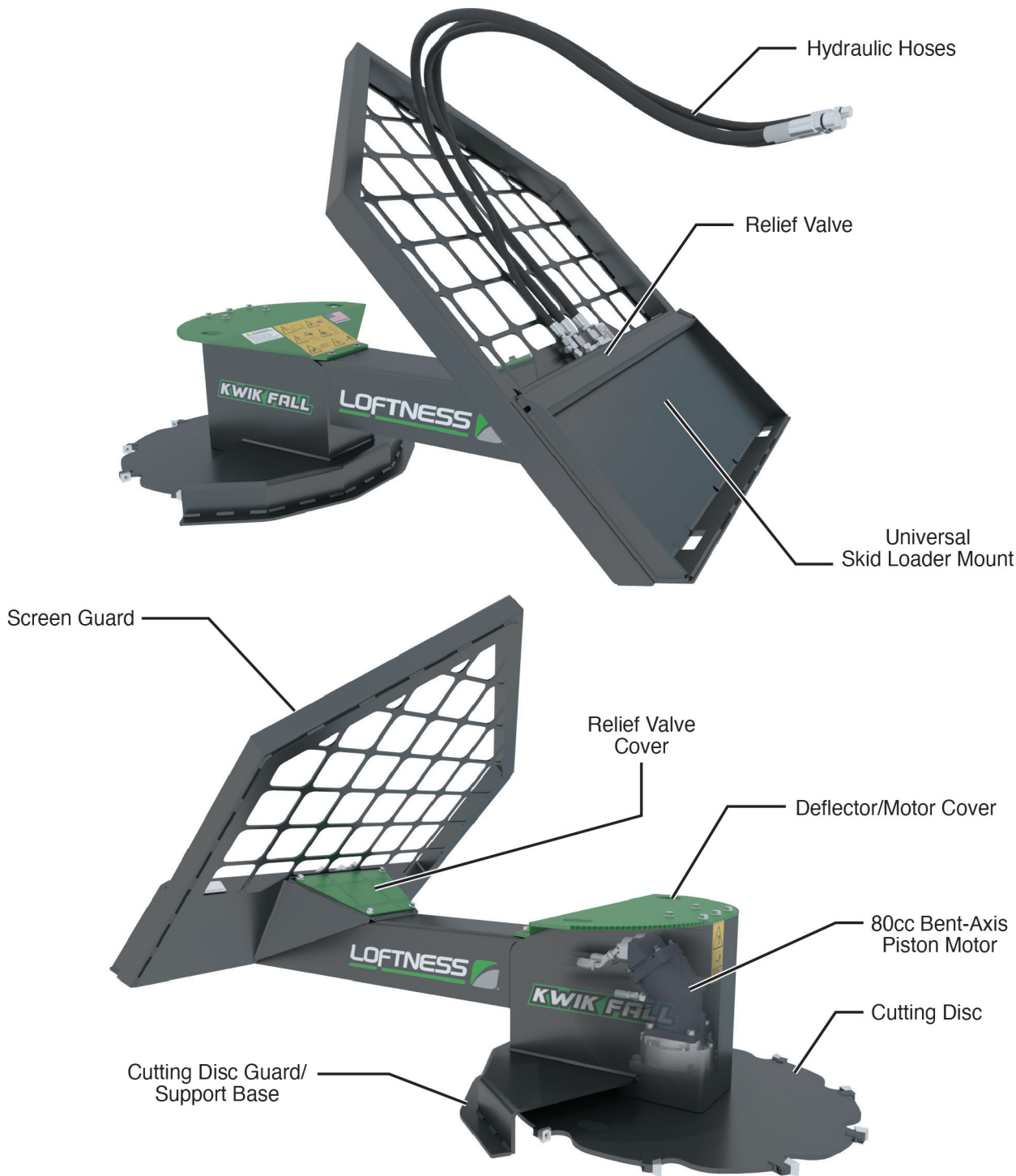
Safety Instructions

Safety Decals (Cont'd)

Defined (Cont'd)

Loftness decal part number - 216437	
	<u>Danger - Thrown or Flying Object Hazard</u> • Flying debris can cause severe injury or blindness. • Keep all bystanders, coworkers, and animals at least 300 ft. (91 m) away from the machine during operation. • Always wear eye protection and required personal protective equipment (PPE).
Loftness decal part number - 203264	
For Kwik Fall models operating in the State of California	
	<u>Warning - California Proposition 65</u> • This label is a regulatory requirement for machines operating within the State of California. It informs personnel of chemical exposure risks, allowing operators and technicians to implement necessary safety measures during equipment operation and servicing.

Kwik Fall Identification





Set-up Instructions

Attaching the Kwik Fall to the Loader

Fully raise the attachment-locking levers on the loader mounting plate.



Tilt the loader mounting plate forward. Drive the loader forward and hook the top edge of the loader mounting plate under the top flange (1) on the Kwik Fall mounting plate. Be careful not to damage the locking levers on the loader mounting plate.

Tilt the loader mounting plate back until the Kwik Fall mounting plate is firmly against the loader mounting plate, but do not lift the Kwik Fall off the ground.



WARNING: Before leaving the operator's seat, lower the lift arms, place the Kwik Fall on the ground, stop the engine, remove the ignition key, and engage the parking brake.

Fully lower the attachment-locking levers on the loader mounting plate.

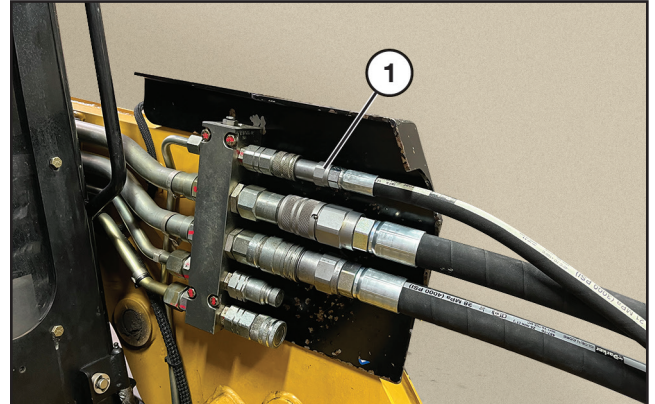


WARNING: Locking-wedge pins must extend through the holes in the attachment mounting plate. Levers must be fully down in the locked over-center position. Failure to secure the wedge pins can allow the Kwik Fall to come off, causing serious injury or death.

Hydraulic Connections



WARNING: Hydraulic Lines: Protect hands and body from high-pressure fluids. Pressurized fluids can penetrate the skin. Disconnect and lock out the power source before disconnecting or connecting hydraulic hoses.



Install the Kwik Fall quick couplers to the loader.

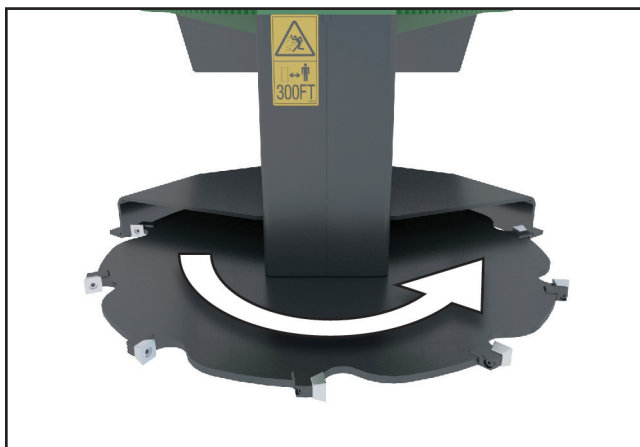
NOTE: The case drain quick coupler (1) must be connected to the loader's auxiliary hydraulic system for proper operation of the Kwik Fall.

IMPORTANT: It is the owner's responsibility to ensure that the hydraulic hoses from the loader to the Kwik Fall are not caught in pinch points or in any way damaged by moving parts.

Set-up Instructions

Checking Disc Rotation

With the loader running, and all hydraulic lines connected, raise the Kwik Fall off the ground.



Engage the loader auxiliary hydraulics. The disc should begin rotating counterclockwise when viewed from above.



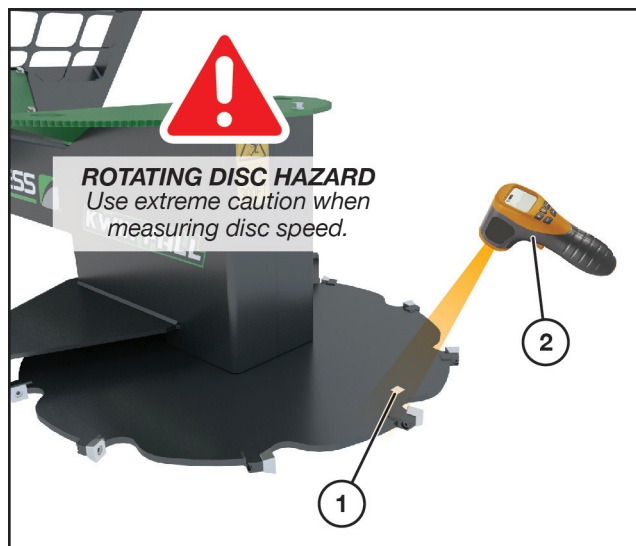
DANGER: Keep all personnel clear of the disc whenever the loader is operating and the disc is rotating. Contact with the disc can result in serious injury or death.

If the disc does not rotate or rotates in the wrong direction, shut down the loader. Verify that the pressure and return hoses are connected to the correct couplers, and check the hydraulic fluid level. Incorrect hose connections, low fluid level, or hydraulic leaks can prevent the Kwik Fall from operating properly.

Checking Disc Speed



DANGER: Rotating disc hazard. Use extreme caution when measuring disc speed with a tachometer. Keep hands and the tachometer clear of the rotating disc while maintaining sufficient distance to obtain a reading from the reflective tape. Failure to follow these instructions could result in serious injury or death.



Ensure the Kwik Fall is fully lowered and resting on the support base. Verify that the disc is free of any obstructions before starting the loader.

With the power turned off to the Kwik Fall, apply a small piece of reflective tape (1) to the outer edge of the disc as shown above.

Start the loader and engage the auxiliary hydraulics to rotate the disc.



DANGER: Keep hands, feet, and clothing clear of the disc and bearings while the loader is running.

Aim an electronic (photo) tachometer (2) at the reflective tape on the disc to measure the disc speed.

NOTE: The tachometer shown is not supplied with the Kwik Fall.

Measure the disc RPM with the loader engine operating at full throttle.

Verify that the measured RPM is within the acceptable range of 1,200 to 2,200 RPM.

When testing is complete, disengage the auxiliary hydraulics and shut down the loader.

Getting Started

Pre-start Checklist

	DANGER: Shut down and lock out power from the loader before performing the pre-start checklist. Failure to do so could result in serious injury or death.
---	--

Visually inspect the unit before starting the machine. Check for loose or missing parts. Check all bolts for tightness.

- Make sure the Kwik Fall is properly attached to the loader.
- Check all bolts, nuts, and set screws for tightness.
- Inspect the cutting teeth. Replace any that are damaged or missing. Make sure they are free of dried mud, string, wire, and other debris.

	WARNING: Never operate the Kwik Fall with out-of-balance teeth. Make sure there are no cutting teeth missing and that all are installed securely.
--	--

	WARNING: DO NOT operate the Kwik Fall with safety guards removed.
---	--

- Review the operator's manual.

	WARNING: Due to the potential danger of flying debris, it is the owner's responsibility and is "ABSOLUTELY MANDATORY that IMPACT-RESISTANT SHIELDING" be installed on the machine to protect the operator.
---	---

General Operation and Cutting Instructions

The Kwik Fall is powered by the loader's auxiliary hydraulic system and is operated from the cab controls. For proper procedures for engaging and disengaging the auxiliary hydraulics, refer to the loader operator's manual.

Vertical positioning and tilt adjustment of the Kwik Fall are controlled through the loader's control levers or foot pedals. Refer to the loader operator's manual for detailed operating instructions.

General Operation Safety

	WARNING: Always stop the engine and remove the key before leaving the operator's seat.
---	---

	DANGER: Cutting tree branches with the Kwik Fall raised to an elevated position can cause the loader to become unstable, potentially resulting in death or serious injury. Do not lift the Kwik Fall more than a few feet off the ground when operating on slopes or uneven terrain.
---	---

	DANGER: Do not cut trees in proximity to overhead utility lines. Directing a tree into power lines may energize the loader and surrounding area, creating a severe electrocution hazard for the operator and nearby personnel, including those at a distance. This can result in serious injury or death.
---	--

	DANGER: Never exit the loader cab while the Kwik Fall is raised. Do not walk or position yourself under a raised Kwik Fall, and ensure all bystanders remain clear of the hazard zone at all times.
--	--

	WARNING: Lifting or tilting the Kwik Fall increases the risk of flying debris.
---	---

	DANGER: Keep hands and feet out! Do not step on or climb over the unit while the machine is in operation or the engine is running. Do not carry passengers.
---	--

	WARNING: Do not operate the Kwik Fall above the rated RPM. Check with your Loftness dealer to ensure your Kwik Fall is equipped with the correct hydraulic motor.
---	--

	WARNING: Flying debris can gather on the loader and must be cleaned off, especially around the radiator and oil cooler screens, engine compartment, and exhaust areas. Periodic cleaning will help prevent the possibility of fire.
---	--

	WARNING: DO NOT allow ANY people or animals within 300 feet of the work area while operating this machine.
---	---

Operating Instructions

General Operation and Cutting Instructions (Cont'd)

General Operating Instructions

Felling a Tree

NOTE: Due to the high operating speed of the disc, tooth wear will increase if the disc repeatedly contacts dirt, sand, or rocks.

- Assess the size of the tree before beginning and confirm that it does not exceed the Kwik Fall's cutting capacity (14 in. [35.5 cm]). Position the loader on the side opposite the intended fall direction to maintain a safe working position.
- Align the disc with the center of the tree and allow it to reach full operating speed before cutting. Slowly advance into the tree with steady, controlled pressure.
- Monitor machine performance during the cut. If the engine begins to labor or the disc slows, reduce forward pressure immediately to prevent overload.
- As the cut nears completion, the deflector at the top of the saw may be used to gently guide or "nudge" the tree in the intended fall direction.
- Operate at a controlled pace and maintain awareness of the Kwik Fall, loader, and surrounding work area.
- Continuously evaluate the fall path to ensure the tree will not strike the operator, machine, or bystanders. Never exceed the rated cutting capacity of the Kwik Fall.

Delimbing and Trimming

IMPORTANT: The loader should be equipped with forestry screen guards to help prevent falling limbs from entering the operator cab area. Without proper guarding, falling debris can result in serious injury or death.

Delimbing and trimming branches is a skilled operation that requires careful planning and continuous attention to safety. Falling limbs may strike the Kwik Fall or loader, creating a hazardous operating environment.

- Position the disc at an angle that directs cut limbs away from the loader and minimizes the risk of material falling toward the cab.
- When removing branches, avoid cutting large limbs in a single pass. Instead, cut limbs into shorter sections to reduce the likelihood of debris contacting the machine or creating unstable falling material.

Detaching the Kwik Fall

Position the Kwik Fall on a dry, level surface.

Slowly lower the Kwik Fall to the ground, ensuring the disc and teeth do not come into contact with soil, vegetation, or other debris.

Shut down the loader, relieve hydraulic pressure, and disconnect the hydraulic hoses from the machine.

Restart the loader and disconnect it from the mounting plate on the Kwik Fall.

Transporting

Road Travel



CAUTION: Always comply with all federal, state, and local laws when traveling on public roads, whether at night or during the day. Use accessory lights and devices to adequately warn operators of other vehicles.

Raise the Kwik Fall high enough to ensure the disc does not contact the ground during travel. Ensure the operator has a clear view of the path ahead.

Disengage the hydraulics.

Select a safe ground travel speed when moving from one area to another. Reduce speed when turning.

Hauling

When transporting the Kwik Fall on a trailer or truck, ensure the machine is properly secured and tied down.



WARNING: Failure to properly secure the Kwik Fall during transport could result in serious injury or death.

Hydraulic Hose Storage

When not in use, protect the hose couplers by laying the hydraulic hoses over the screen guard. Ensure that the couplers do not come into contact with the machine, the ground, or any other surface.



General Maintenance

IMPORTANT: Refer to “Maintenance and Servicing” on page 7 and become familiar with the safety rules before performing any maintenance or service on the Kwik Fall.

To ensure efficient operation, inspect, lubricate, and make necessary adjustments and repairs at regular intervals. Order parts showing signs of wear in advance to avoid costly breakdowns and downtime while waiting for replacements. Keep accurate maintenance records and thoroughly clean the Kwik Fall after each use.

Proper lubrication is essential. Too little lubricant can cause premature bearing failure, while too much can lead to high operating temperatures and early seal failure. Follow all lubrication instructions and schedules included in this section.

Break-In Schedule

Inspect and service all bolts, teeth, and the motor mount after one (1) hour of operation.

Continue regular maintenance thereafter. Refer to the chart below for the maintenance schedule.

Maintenance Schedule

INTERVAL	SERVICE POINTS	SERVICE REQUIRED				
		CHECK	CLEAN	CHANGE OIL	GREASE	ADJUST
Every 8 hr.	Machine		X			
	Loose Bolts					X
	Hoses	X				
	Oil Leaks	X				
	Teeth	X				
Every 100 hr.	Safety Labels	X				
Yearly	Bearing Adapter*			X		

* Contact Loftness or your dealer for instructions.

Lubrication

Motor Bearings (Bearing Adapter)

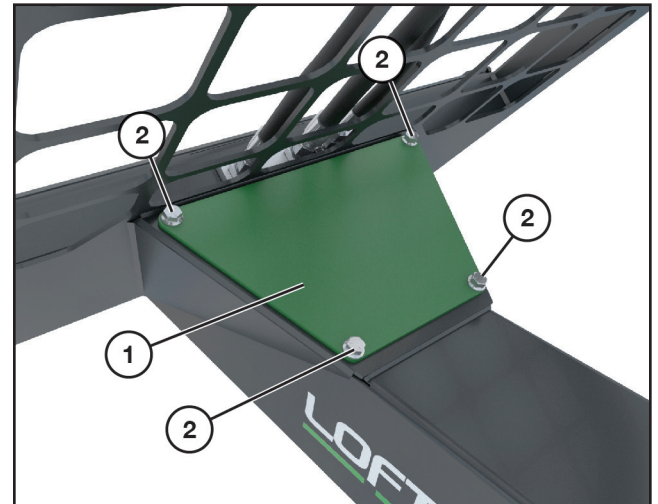
Contact Loftness or your authorized Loftness dealer for specific instructions and the recommended oil before changing the oil in the bearing adapter. Improper servicing or use of the incorrect oil may result in bearing damage or premature failure.

Removing Valve Access Cover



DANGER: Shut down and lock out power

from the loader before removing the access cover. Failure to do so could result in serious injury or death.



To remove the access cover (1), use a 3/4" socket to remove the four bolts (2).

Lift the cover off the frame.

After completing maintenance or repairs, reinstall the cover in its original position and securely tighten all bolts.

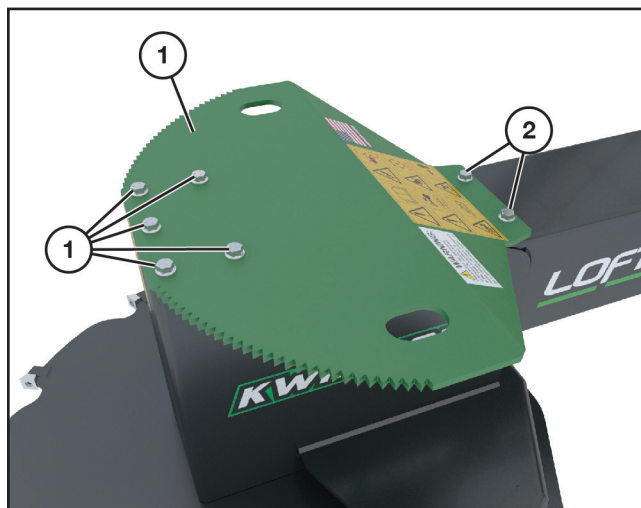
Maintenance

Removing the Deflector/Access Cover



DANGER: Shut down and lock out power from the loader before removing the deflector. Failure to do so could result in serious injury or death.

The deflector also functions as the motor access cover.



To remove the deflector (1), use a 3/4" socket to remove the five bolts (2).

Lift the cover off the frame.



CAUTION: The cover is heavy. Use additional personnel for lifting if necessary.

After completing maintenance or repairs, reinstall the cover in its original position and securely tighten all bolts.

Tooth Removal and Installation

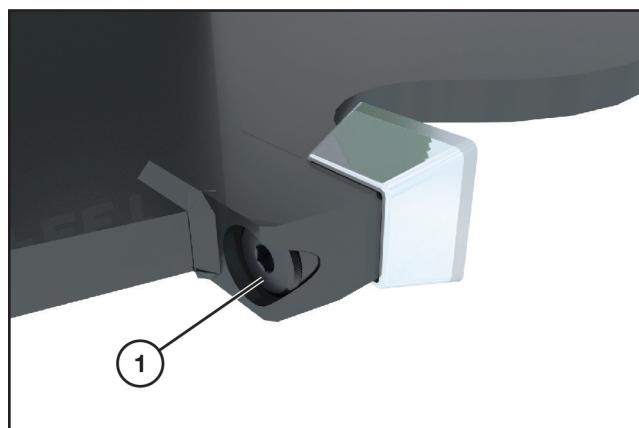


DANGER: Shut down power and disconnect the hydraulic supply from the loader before removing or replacing teeth.



CAUTION: The teeth on the disc are sharp. Wear gloves during this procedure to prevent injury while handling the teeth.

Stabilize the disc to prevent it from rotating when removing or installing teeth.



Using a 3/16" Allen-head wrench, remove the bolt (1) while holding the tooth (3).

NOTE: A worn tooth with a rounded or dulled cutting edge may be rotated 90 degrees to expose a new edge. Each tooth has four usable cutting edges.

When reinstalling the teeth, torque the bolts to 200 ft-lb.

IMPORTANT: When replacing a damaged tooth, the tooth directly opposite (180 degrees) should also be replaced to maintain proper balance.

Storage

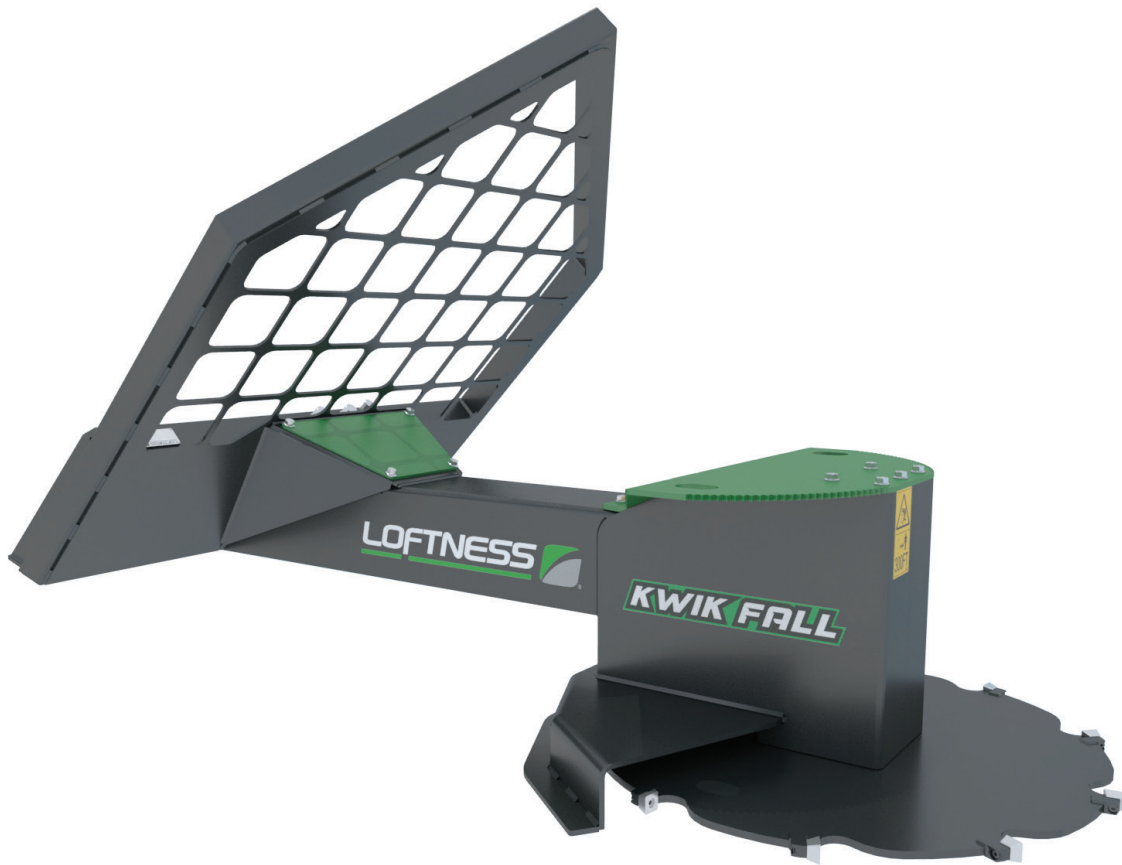
End of Season

- Clean the entire Kwik Fall thoroughly.
- Lubricate all parts of the machine. See “Lubrication” on page 19.
- Inspect all parts for wear or damage and replace as needed.
- Paint all worn or rusted parts.
- Store the Kwik Fall in a clean, dry area.
- Review the operator’s manual.
- Secure hydraulic hoses in the storage position. See “Hydraulic Hose Storage” on page 17.

Beginning of the Season

- Review the Kwik Fall operator’s manual.
- Lubricate all parts of the machine as needed. See “Lubrication” on page 19.
- Tighten all bolts, nuts, and set screws. See “Torque Specifications” on page 33.
- Replace all damaged, worn, or missing decals.
- Install the Kwik Fall on a loader and test for proper operation.

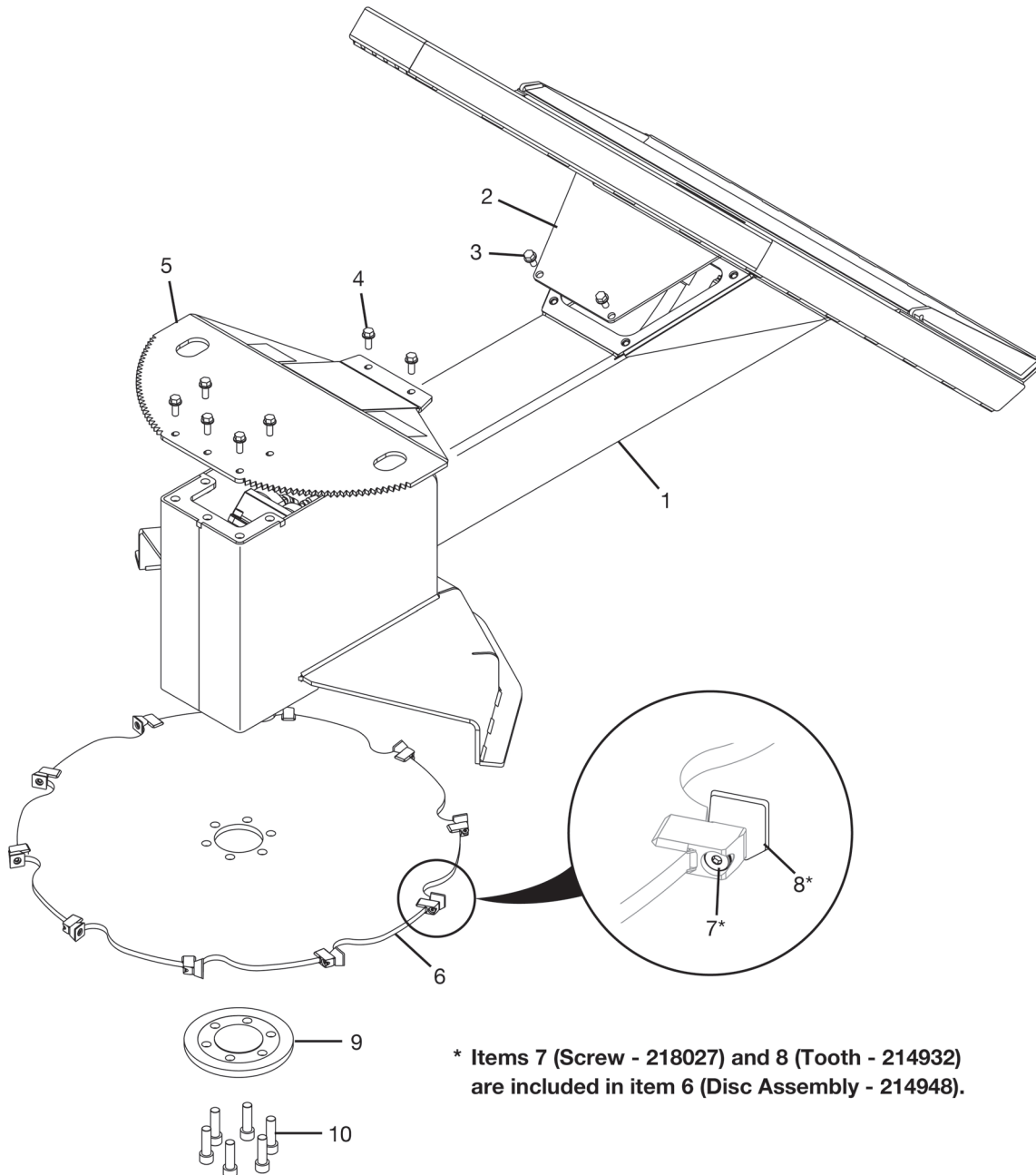




PARTS IDENTIFICATION

Parts Identification

Frame; Deflector; Valve Cover; Disc Assembly

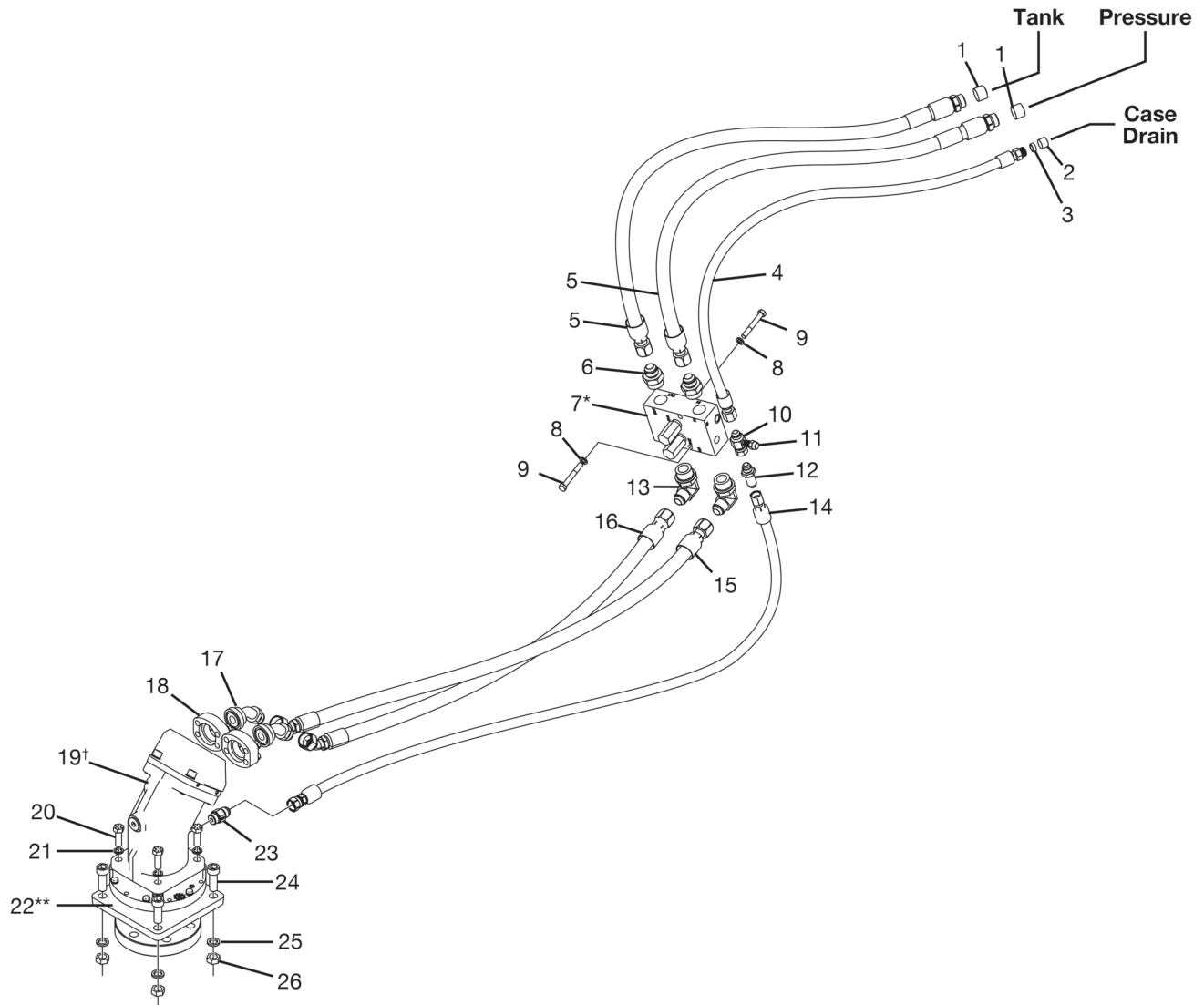


Frame; Deflector; Valve Cover; Disc Assembly

#	QTY.	PART #	DESCRIPTION
1	1	214705	HITCH, SAW WELDMENT
2	1	214730	PLATE, ACCESS COVER
3	4	N26748	BOLT, 1/2" X 1" SER FLG
4	7	N18360	BOLT, 1/2-13 X 1-1/4 SER FLG
5	1	218366	DEFLECTOR, WITH DECALS
6	1	214948	BLADE ASSEMBLY, 38" 10 TOOTH
7	10	218027	BOLT, LHCS 3/8SHLD 3/8-24UNF X 3/8
8	10	214932	TOOTH, CARBIDE
9	1	214936	MOUNT, BLADE
10	6	N34848	BOLT, SHCS 3/4"-16 X 2-1/2"

Parts Identification

Hydraulic System



* For parts breakdown of item 7, Relief Valve (N34677), see page 28.

** For parts breakdown of item 22, Bearing Adapter (214953), see page 29.

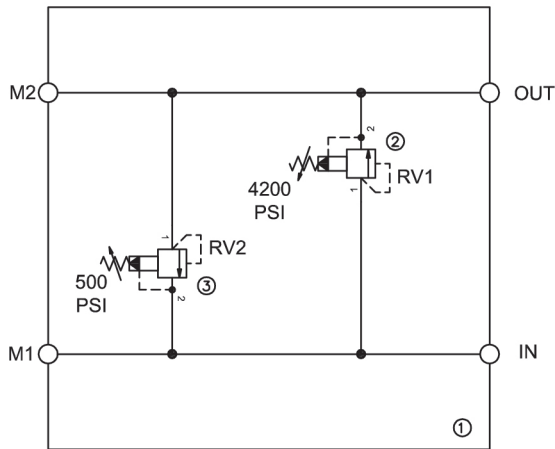
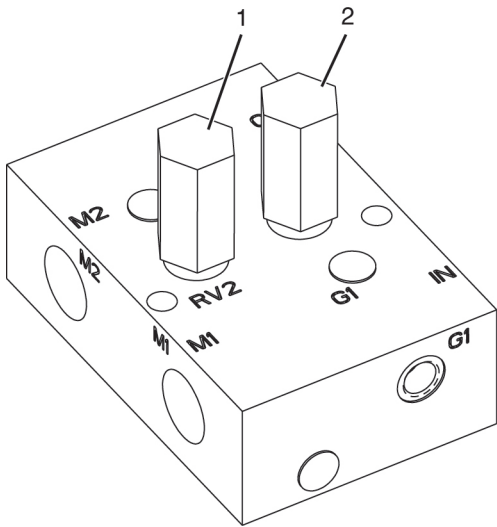
† Use part number 218438 for the motor seal kit for item 19, Motor (218003).

Hydraulic System

#	QTY.	PART #	DESCRIPTION
1	2	N15893	CAP, 3/4 ALUMINUM HOSE
2	1	N15895	CAP, 1/2 ALUMINUM HOSE
3	1	N32002	PLUG, 3/8 SCH 40 X .25
4	1	N34579	HOSE, 1/2 84 -8FJIC -8MORB
5	2	N49295	HOSE, 3/4 X 86 -12FJIC -12MORB
6	2	N13881	ADAPTER, 16MOR -12MJIC
7	1	N34677	BODY, VALVE CROSS PORT RELIEF
8	2	N16470	WASHER, 3/8 NORDLOCK
9	2	4538	BOLT, 3/8" X 2-3/4" GRADE 5
10	1	214963	ADAPTER, TEST -8MJIC -8FJIC -4FP
11	1	218029	VALVE, RELIEF 1/4NPT 80PSI
12	1	N24621	ADAPTER, BULKHD -8MJIC-8MJIC W/NUT
13	2	N13876	ELBOW, 90 DEG - 16MOR - 12MJIC
14	1	214980	HOSE 1/2 X 66 -8FJIC-10FJIC
15	1	214971	HOSE, 3/4 X 53 -12FJIC -12FJIC45
16	1	214971	HOSE, 3/4 X 53
17	2	214991	ELBOW, 45DEG -12MJIC -16 CODE 62
18	2	N20288	KIT, SPLIT FLANGE SFXK-16
19	1	218003	MOTOR, 80CC 4B "C" 14T 12/32
20	4	4466	BOLT, 1/2" X 1-1/2" GRADE 8
21	4	N16472	WASHER, 1/2 NORDLOCK
22	1	214953	BEARING ADAPTER, C 4 BOLT 12/32
23	1	214993	ADAPTER, CHECK -10
24	4	N15645	SCREW, 5/8-18UNF X 1-3/4" GR 8
25	4	N16473	WASHER, 5/8 NORDLOCK
26	4	4452	NUT, STANDARD 5/8"FN THD GR8

Parts Identification

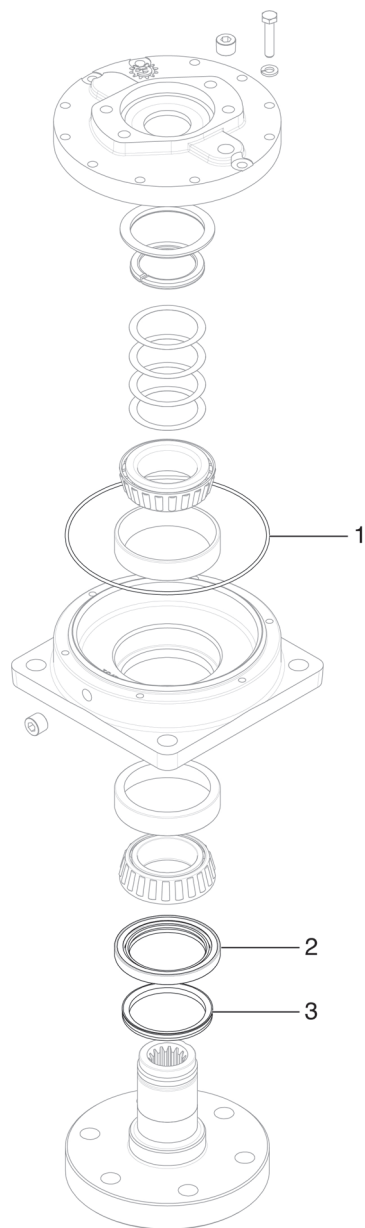
Valve, Cross Port Relief (N34677)



NOTE: Relief valve seal kit available (not shown). See parts list for part number.

#	QTY.	PART #	DESCRIPTION
1	1	N142316	VALVE, RELIEF 500 PSI (INCLUDED WITH N34677)
2	1	N142314	VALVE, RELIEF 4200 PSI (INCLUDED WITH N34677)
3	1	N142318	KIT, VITON VALVE SEAL (NOT SHOWN)

Bearing Adapter (214953)



Uses 17 oz. of
GL-5 EP 80/90
gear oil.

#	QTY.	PART #	DESCRIPTION
*	1	218437	SEAL KIT (Includes items 1, 2, and 3)
1	1	—	O-RING
2	1	—	SEAL
3	1	—	SEAL V-RING

Parts Identification

Machine Decals and Signs

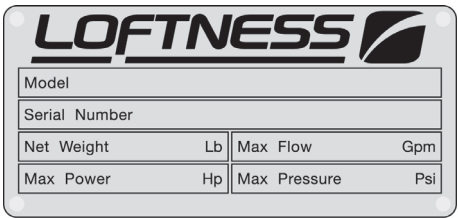
NOTE: All safety related decals are also shown in the Safety Instructions Section along with their location on the machine. See "Safety Decal Locations" on page 8.

Check and replace any worn, torn, hard-to-read, or missing safety decals on your machine.

Part No. 216436



Part No. N13721



Part No. 209449



Part No. 216437



Part No. 217410



Part No. N24823



Part No. N24822



Part No. 203264
(For models operating in the State of California.)



Part No. 218368



Part No. 217439 (Horizontal Medium)

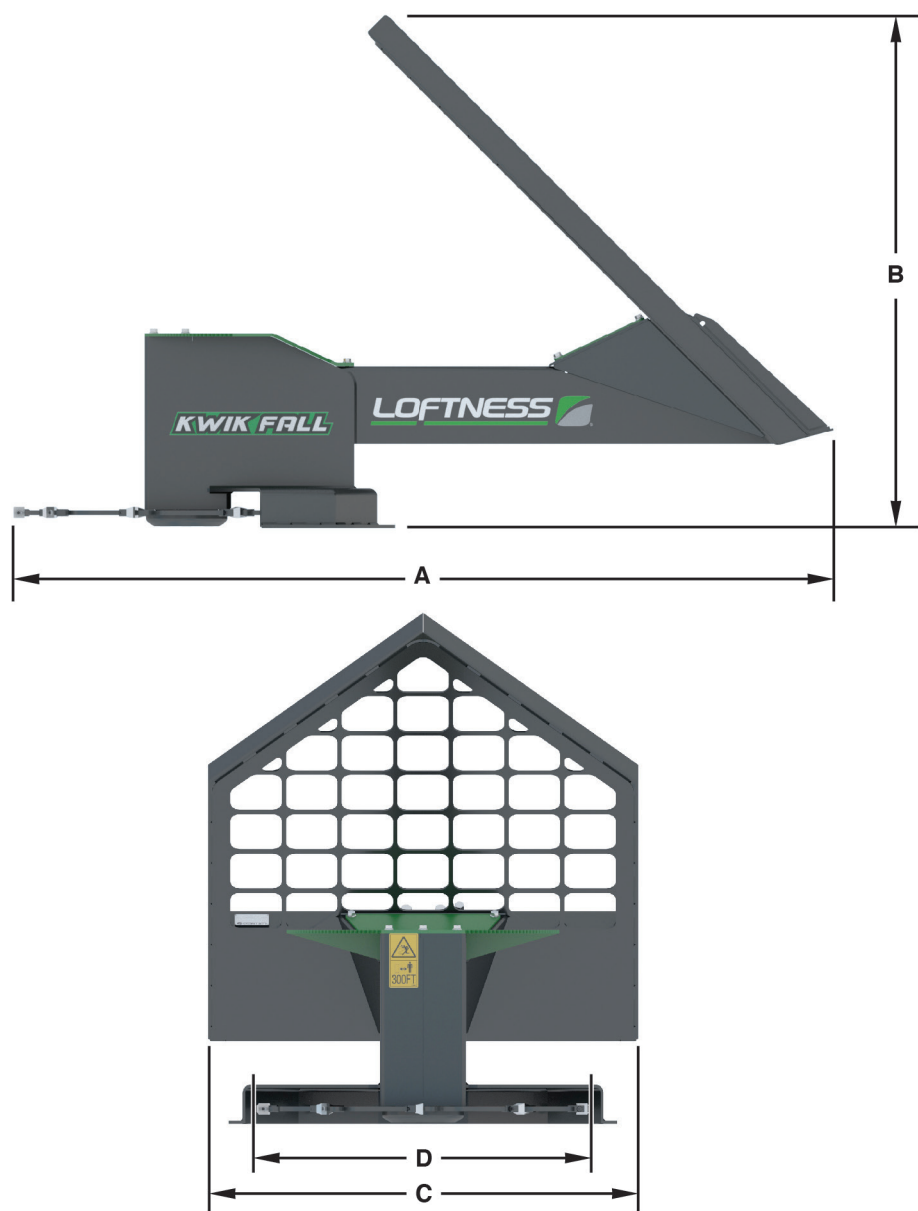


Specifications

DESCRIPTION	KWIK FALL
Disc Tip Diameter	38.0 in. (96.5 cm)
Motor	80cc Bent-Axis Piston Motor
RPM	1,200 to 2,200
Mount	Universal Skid Type
Teeth	10 Four-Sided Carbide Teeth (Reversible)
Deflector	Angled; Toothed

Appendix

Dimensions



DESCRIPTION	KWIK FALL
Overall Length (A)	90.0 in. (228.6 cm)
Frame Height (B)	56.0 in. (142.2 cm)
Frame Width (C)	47.4 in. (120.4 cm)
Disc Width (D)	38.0 in. (96.5 cm)
Weight	900 lbs. (408.2 kg)

Torque Specifications

Inches Hardware and Lock Nuts

TORQUE CHARTS

Minimum Hardware Tightening Torques

Normal Assembly Applications
(Standard Hardware and Lock Nuts)

SAE Gr. 2	SAE Grade 5		SAE Grade 8		LOCK NUTS			
Nominal Size	Unplated or Plated Silver	Plated W / ZnCr Gold	Unplated or Plated Silver	Plated W / ZnCr Gold	Unplated or Plated Silver	Plated W / ZnCr Gold	Grade W / Gr. 5 Bolt	Grade W / Gr. 8 Bolt
1/4	55 in.-lb. (6.2 N•m)	72 in.-lb. (8.1 N•m)	86 in.-lb. (9.7 N•m)	112 in.-lb. (12.6 N•m)	121 in.-lb. (13.6 N•m)	157 in.-lb. (17.7 N•m)	61 in.-lb. (6.9 N•m)	86 in.-lb. (9.8 N•m)
5/16	115 in.-lb. (13 N•m)	149 in.-lb. (17 N•m)	178 in.-lb. (20 N•m)	229 in.-lb. (26 N•m)	250 in.-lb. (28 N•m)	324 in.-lb. (37 N•m)	125 in.-lb. (14 N•m)	176 in.-lb. (20 N•m)
3/8	17 ft.-lb. (23 N•m)	22 ft.-lb. (30 N•m)	26 ft.-lb. (35 N•m)	34 ft.-lb. (46 N•m)	37 ft.-lb. (50 N•m)	48 ft.-lb. (65 N•m)	19 ft.-lb. (26 N•m)	26 ft.-lb. (35 N•m)
7/16	27 ft.-lb. (37 N•m)	35 ft.-lb. (47 N•m)	42 ft.-lb. (57 N•m)	54 ft.-lb. (73 N•m)	59 ft.-lb. (80 N•m)	77 ft.-lb. (104 N•m)	30 ft.-lb. (41 N•m)	42 ft.-lb. (57 N•m)
1/2	42 ft.-lb. (57 N•m)	54 ft.-lb. (73 N•m)	64 ft.-lb. (87 N•m)	83 ft.-lb. (113 N•m)	91 ft.-lb. (123 N•m)	117 ft.-lb. (159 N•m)	45 ft.-lb. (61 N•m)	64 ft.-lb. (88 N•m)
9/16	60 ft.-lb. (81 N•m)	77 ft.-lb. (104 N•m)	92 ft.-lb. (125 N•m)	120 ft.-lb. (163 N•m)	130 ft.-lb. (176 N•m)	169 ft.-lb. (229 N•m)	65 ft.-lb. (88 N•m)	92 ft.-lb. (125 N•m)
5/8	83 ft.-lb. (112 N•m)	107 ft.-lb. (145 N•m)	128 ft.-lb. (174 N•m)	165 ft.-lb. (224 N•m)	180 ft.-lb. (244 N•m)	233 ft.-lb. (316 N•m)	90 ft.-lb. (122 N•m)	127 ft.-lb. (172 N•m)
3/4	146 ft.-lb. (198 N•m)	189 ft.-lb. (256 N•m)	226 ft.-lb. (306 N•m)	293 ft.-lb. (397 N•m)	319 ft.-lb. (432 N•m)	413 ft.-lb. (560 N•m)	160 ft.-lb. (217 N•m)	226 ft.-lb. (306 N•m)
7/8	142 ft.-lb. (193 N•m)	183 ft.-lb. (248 N•m)	365 ft.-lb. (495 N•m)	473 ft.-lb. (641 N•m)	515 ft.-lb. (698 N•m)	667 ft.-lb. (904 N•m)	258 ft.-lb. (350 N•m)	364 ft.-lb. (494 N•m)
1	213 ft.-lb. (289 N•m)	275 ft.-lb. (373 N•m)	547 ft.-lb. (742 N•m)	708 ft.-lb. (960 N•m)	773 ft.-lb. (1048 N•m)	1000 ft.-lb. (1356 N•m)	386 ft.-lb. (523 N•m)	545 ft.-lb. (739 N•m)

GRADE 2
CLASS A



GRADE 5
CLASS B



GRADE 8
CLASS C



BOLT MARKINGS

GRADE 2
CLASS A



GRADE 5
CLASS B



GRADE 8
CLASS C



NEW CLOCK MARKINGS NUTS
INCHES AND METRIC

GRADE 2
CLASS A



GRADE 5
CLASS B



GRADE 8
CLASS C



LINE MARKINGS NUTS



CENTER LOCK
MARKING



LOCK NUT MARKING



LOCK NUT NOTCH MARKING



LOCK NUT LETTER MARKING

Appendix

Torque Specifications (Cont'd)

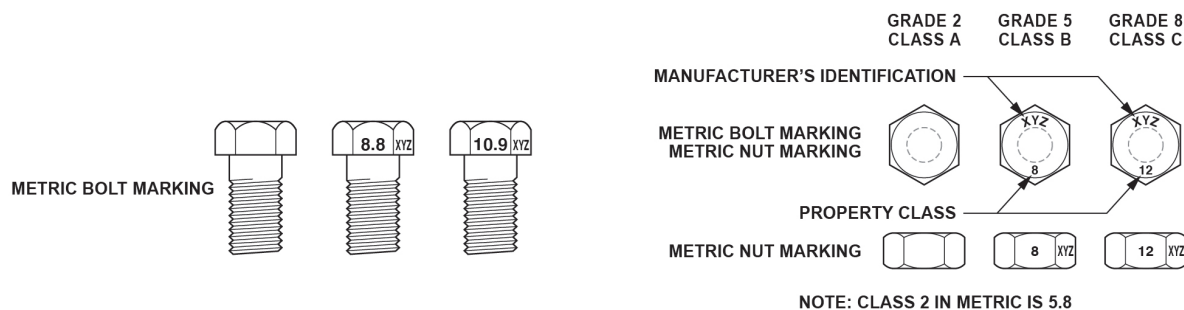
Metric Hardware and Lock Nuts

TORQUE CHARTS

Minimum Hardware Tightening Torques

Normal Assembly Applications
(Metric Hardware and Lock Nuts)

Nominal Size	Class 5,8		Class 8,8		Class 10,9		Lock nuts
	Unplated or Plated Silver	Plated W / ZnCr Gold	Unplated or Plated Silver	Plated W / ZnCr Gold	Unplated or Plated Silver	Plated W / ZnCr Gold	Class 8 W / CL. 8,8 Bolt
M4	1.7 N•m (15 in.-lb.)	2.2 N•m (19 in.-lb.)	2.6 N•m (23 in.-lb.)	3.4 N•m (30 in.-lb.)	3.7 N•m (33 in.-lb.)	4.8 N•m (42 in.-lb.)	1.8 N•m (16 in.-lb.)
M6	5.8 N•m (51 in.-lb.)	7.6 N•m (67 in.-lb.)	8.9 N•m (79 in.-lb.)	12 N•m (102 in.-lb.)	13 N•m (115 in.-lb.)	17 N•m (150 in.-lb.)	6.3 N•m (56 in.-lb.)
M8	14 N•m (124 in.-lb.)	18 N•m (159 in.-lb.)	22 N•m (195 in.-lb.)	28 N•m (248 in.-lb.)	31 N•m (274 in.-lb.)	40 N•m (354 in.-lb.)	15 N•m (133 in.-lb.)
M10	28 N•m (21 ft.-lb.)	36 N•m (27 ft.-lb.)	43 N•m (32 ft.-lb.)	56 N•m (41 ft.-lb.)	61 N•m (45 ft.-lb.)	79 N•m (58 ft.-lb.)	30 N•m (22 ft.-lb.)
M12	49 N•m (36 ft.-lb.)	63 N•m (46 ft.-lb.)	75 N•m (55 ft.-lb.)	97 N•m (72 ft.-lb.)	107 N•m (79 ft.-lb.)	138 N•m (102 ft.-lb.)	53 N•m (39 ft.-lb.)
M16	121 N•m (89 ft.-lb.)	158 N•m (117 ft.-lb.)	186 N•m (137 ft.-lb.)	240 N•m (177 ft.-lb.)	266 N•m (196 ft.-lb.)	344 N•m (254 ft.-lb.)	131N•m (97 ft.-lb.)
M20	237 N•m (175 ft.-lb.)	307 N•m (226 ft.-lb.)	375 N•m (277 ft.-lb.)	485 N•m (358 ft.-lb.)	519 N•m (383 ft.-lb.)	671 N•m (495 ft.-lb.)	265 N•m (195 ft.-lb.)
M24	411 N•m (303 ft.-lb.)	531 N•m (392 ft.-lb.)	648 N•m (478 ft.-lb.)	839 N•m (619 ft.-lb.)	897 N•m (662 ft.-lb.)	1160 N•m (855 ft.-lb.)	458 N•m (338 ft.-lb.)





www.loftness.com

Loftness Specialized Equipment, Inc.
650 So. Main Street • PO Box 337 • Hector, MN 55342
Tel: 320.848.6266 • Fax: 320.848.6269 • Toll Free: 1.800.828.7624

Printed in USA
© Loftness 2026