

MUSKOX

OPERATORS MANUAL

MODEL 26-84



MODEL NUMBER: 26-84

SERIAL NUMBER (RECORD BELOW)

TO LOCATE YOUR SERIAL NUMBER SEE PAGE 3.

MUSKOX

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PH: 218.288.1905

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MUSKOX



WELCOME TO THE FAMILY

Congratulations on the purchase of your MUSKOX snowblower - the snowblower that backdrags!

We hope it provides years of dependable service for your snow removal needs.

Ron & Adam Bergman
MUSKOX Founders & Owners

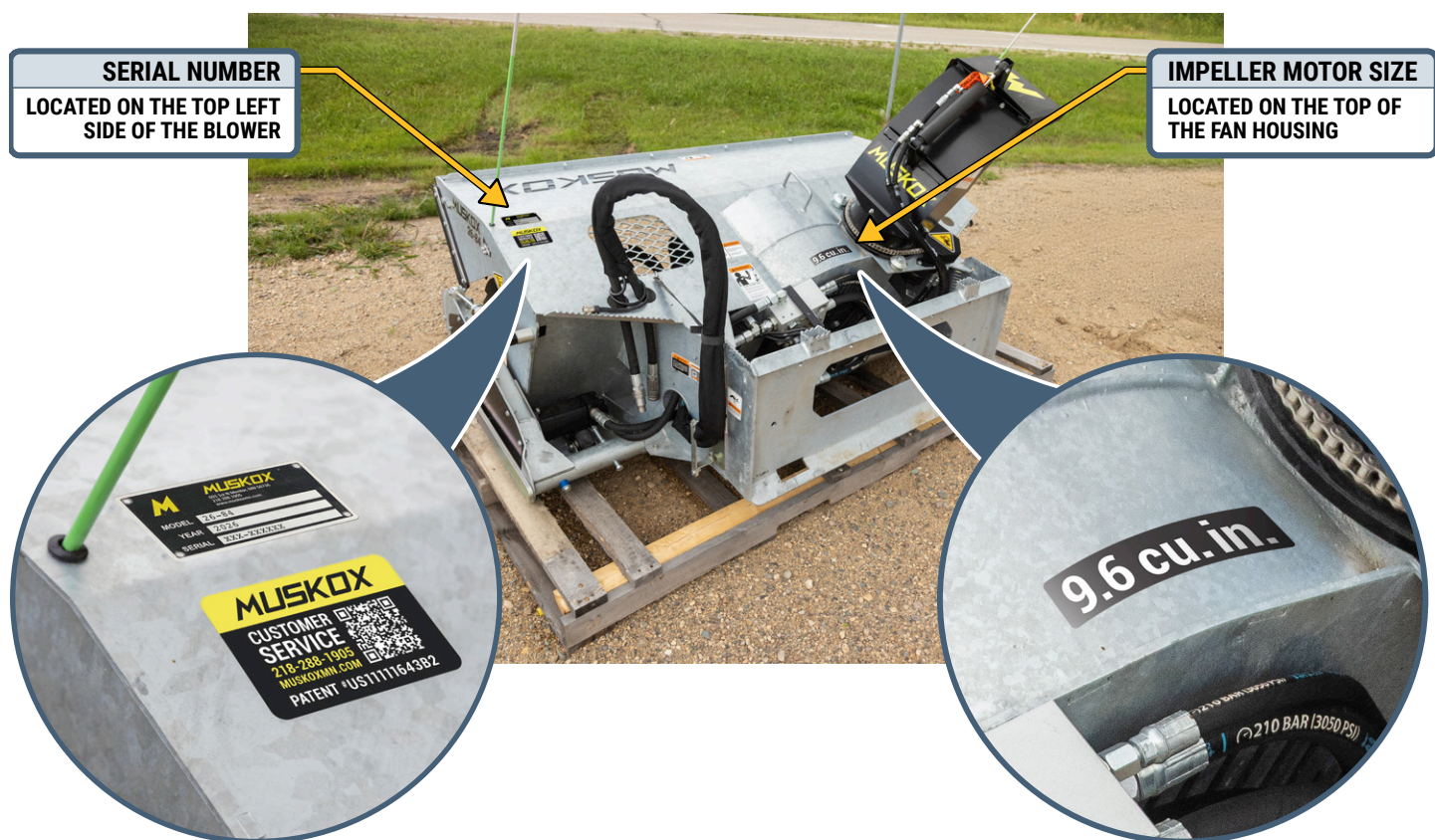
MUSKOX

BRING IT. DO IT. OWN IT.

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SERIAL NUMBER LOCATION



PREFACE

GENERAL INFORMATION

This product was carefully designed and manufactured. Only minor maintenance (such as cleaning and lubricating) is required to keep it in top working condition. Be sure to observe all maintenance procedures and safety precautions in this manual and on any safety decals located on the product and on any equipment on which the attachment is mounted.

WARNING!



Never let anyone operate the machine without reading the “Safety Precautions” and “Operating Instructions” sections of this manual. Always choose hard, level ground to park the vehicle on and set the brake so the unit cannot roll.



NOTE: The illustrations and data used in this manual were current (according to the information available to us) at the time of printing, however, we reserve the right to redesign and change the attachment as may be necessary without notification.



SAFETY ALERT & WARNING SYMBOLS

These are the “Safety Alert & Warning Symbols” used by this industry. These symbols are used to warn of possible injury. Be sure to read all warnings carefully. They are included for your safety and the safety of others working with you.

BEFORE OPERATION

The primary responsibility for safety with equipment falls to the operator. Make sure the equipment is operated only by trained individuals that have read and understand this manual. If there is any portion of this manual or function you do not understand, contact your local authorized dealer or manufacturer to obtain further assistance. Keep this manual available for reference. Provide this manual to any new owners and/or operators.

SERVICE

Use only manufacturer replacement parts. Substitute parts may not meet the required standards. Record the model and serial number of your unit on the cover of this manual. The parts department needs this information to ensure that you receive the correct parts.

SOUND & VIBRATION

Sound pressure levels and vibration data for this attachment are influenced by many different parameters; some items are listed below (not inclusive)

- prime mover type, age, condition, with or without cab enclosure and configuration
- operator training, behavior, stress level
- job site organization, working material condition, environment

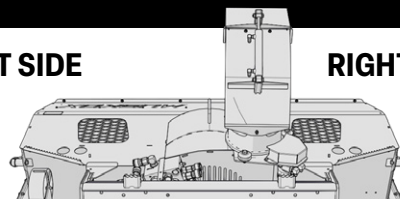
Based on the uncertainty of the prime mover, operator, and job site, it is impossible to get precise machine and operator sound pressure levels, or vibration levels for this attachment.



Unless noted otherwise, right and left sides are determined from the operator's control position when facing the attachment.

LEFT SIDE

RIGHT SIDE



SAFETY STATEMENTS

SAFETY DEFINITIONS

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols, and their explanations, deserve your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instructions or warnings they give are not substitutes for proper accident prevention measures.

DANGER



Danger indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING



Warning indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION



Caution indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE



Notice indicates information considered important, but not hazard-related (e.g. messages relating to property damage).



This symbol by itself or used with a warning word throughout this manual is used to call your attention to instructions involving your personal safety or the safety of others. Failure to follow these instructions can result in injury or death.

GENERAL SAFETY PRECAUTIONS

READ MANUAL PRIOR TO INSTALL



Improper installation, operation, or maintenance of this equipment could result in serious injury or death. Operators and maintenance personnel should read this manual as well as all manuals related to this equipment and the prime mover thoroughly before beginning installation, operation, or maintenance. FOLLOW ALL SAFETY INSTRUCTIONS IN THIS MANUAL AND THE PRIME MOVER'S MANUAL.

READ AND UNDERSTAND ALL SAFETY STATEMENTS



Read all safety decals and safety statements in all manuals prior to operating or working on this equipment. Know and obey all OSHA regulations, local laws and other professional guidelines for your operation. Know and follow good work practices when assembling, maintaining, repairing, mounting, removing or operating this equipment.

KNOW YOUR EQUIPMENT



Know your equipment's capabilities, dimensions and operations before operating. Visually inspect

your equipment before you start, and never operate equipment that is not in proper working order with all safety devices intact. Check all hardware to assure it is tight. Make certain that all locking pins, latches, and connection devices are properly installed and secured. Remove and replace any damaged, fatigued or excessively worn parts. Make certain all safety decals are in place and are legible. Keep decals clean, and replace them if they become worn and hard to read. **(Safety decal replacements are available free of charge from the manufacturer).**

PROTECT AGAINST FLYING DEBRIS



Always wear proper safety glasses, goggles or a face shield when driving pins in or out or when operation causes dust, flying debris, or any other hazardous material.

LOWER OR SUPPORT RAISED EQUIPMENT



Do not work under raised booms without supporting them. Do not use support material made of concrete blocks, logs, buckets, barrels or any other material that could suddenly collapse or shift

positions. Make sure support material is solid, not decayed, warped, twisted, or tapered. Lower booms to ground level or onto blocks. Lower booms and attachments to the ground before leaving the cab or operator's station.

DO NOT MODIFY MACHINE OR ATTACHMENTS

 Modifications may weaken the integrity of the attachment and may impair the function, safety, life and performance of the attachment. When making repairs, use only the manufacturer's genuine parts, following authorized instructions. Other parts may be substandard in fit and quality. Never modify any ROPS (Roll Over Protection System) equipment or device. Any modifications must be authorized in writing by the manufacturer.

SAFELY MAINTAIN AND REPAIR EQUIPMENT

 Do not wear loose clothing, or any accessories that can catch in moving parts. If you have long hair, cover or secure it so that it does not become entangled in the equipment.

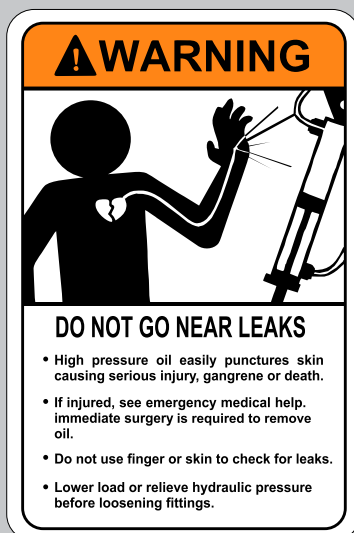
- Work on a level surface in a well-lit area.
- Use properly grounded electrical outlets and tools.

- Use the correct tool for the job at hand. Make sure they are in good condition for the task required.
- Wear the protective equipment specified by the tool manufacturer.

SAFELY OPERATE EQUIPMENT

 Do not operate equipment until you are completely trained by a qualified operator in how to use the controls, know its capabilities, dimensions, and all safety requirements. See your prime mover's manual for these instructions.

- Keep all step plates, grab bars, pedals, and controls free of dirt, grease, debris, and oil.
- Never allow anyone to be around the equipment when it is operating.
- Do not allow riders on the attachment or the prime mover.
- Do not operate the equipment from anywhere other than the correct operator's position.
- Never leave equipment unattended with the engine running or with this attachment in a raised position.
- Do not alter or remove any safety features from the prime mover or this attachment.
- Know your work site safety rules as well as traffic rules and flow. When in doubt on any safety issue, contact your supervisor or safety coordinator for an explanation.



USE CARE WITH HYDRAULIC FLUID PRESSURE

 Hydraulic fluid under pressure can penetrate the skin and cause serious injury or death. Hydraulic leaks under pressure may not be visible. Before connecting or disconnecting hydraulic hoses, read your prime movers operator's manual for detailed instructions on connecting and disconnecting hydraulic hoses or fittings.

Keep unprotected body parts, such as face, eyes, and arms as far away as possible from a suspected leak. Flesh injected with hydraulic fluid may develop gangrene or other permanent disabilities.

If injured by injected fluid, see a doctor at once. If your doctor is not familiar with this type of injury, ask him to research immediately to determine proper treatment.

Wear safety glasses, protective clothing, and use a sound piece of cardboard or wood when searching for hydraulic leaks.

DO NOT USE YOUR HANDS!

EQUIPMENT SAFETY PRECAUTIONS

REMOVE PAINT BEFORE WELDING OR HEATING

 Hazardous fumes/dust can be generated when paint is heated by welding, soldering or using a torch. Do all work outside or in a well-ventilated area and dispose of paint and solvent properly. Remove paint before welding or heating.

When sanding or grinding paint, avoid breathing the dust. Wear an approved respirator. If you use solvent or paint stripper, remove stripper with soap and water before welding. Remove solvent or paint stripper containers and other flammable material from area. Allow fumes to disperse at least 15 minutes before welding or heating.

END OF LIFE DISPOSAL

 At the completion of the useful life of the unit, drain all fluids and dismantle by separating the different materials (rubber, steel, plastic, etc.). Follow all federal, state and local regulations for recycling and disposal of the fluid and components.

KNOW WHERE UTILITIES ARE

 Observe overhead electrical and other utility lines. Be sure equipment will clear them. When digging,

call your local utilities for location of buried utility lines, gas, water, and sewer, as well as any other hazard you may encounter.

ROTATING OBJECTS

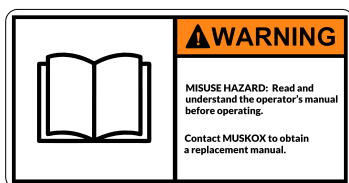
 Never allow anyone to reach into, kick into, or otherwise come in contact with a rotating auger or with a non-rotating clogged auger. The auger can crush and/or dismember. Keep everyone clear of the auger until the prime mover engine is off and the hydraulic pressure has been relieved.

Never allow anyone to reach into the chute, force objects (i.e. bars, poles, etc.) down the chute, kick into the fan, or otherwise come in contact with a rotating fan or with a non-rotating clogged fan. The fan can throw objects at a lethal speed and can dismember. Keep everyone clear of the fan until the prime mover engine is off and the hydraulic pressure has been relieved.

AVOID PINCH POINTS

 Avoid pinch points and be aware of rotating parts when manually turning the fan or auger.

SAFETY DECALS



0309-116
WARNING: Read Manual



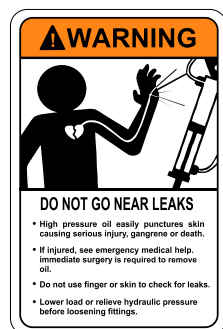
0309-109
WARNING: Flying Debris



0309-151
WARNING: High Pressure
(Gas Charged Shock)



0309-115
WARNING: Rotating Auger
WARNING: Tip Over Hazard



0309-110
WARNING: High Pressure Fluid



0309-101
WARNING: Rotating Objects



0309-102
WARNING: Chain



0309-153
WARNING: Pinch Point



0309-152
WARNING: Pinch Point

SAFETY DECAL REPLACEMENT

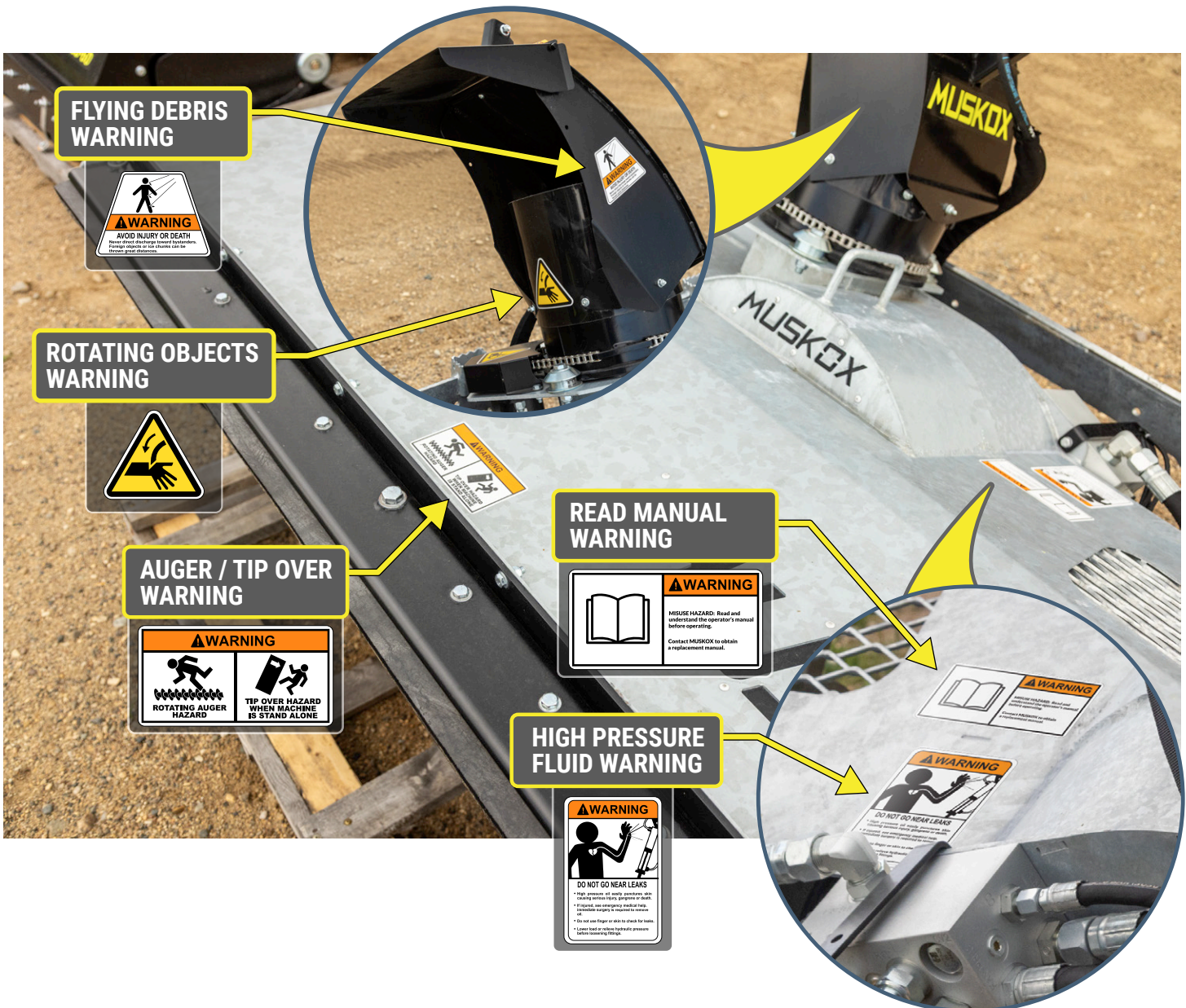
INSTRUCTIONS

- Keep all safety signs clean and legible.
- Replace all missing, illegible, or damaged safety signs.
- Replacement parts with safety signs attached must also have safety signs attached. Safety signs are available, free of charge from MUSKOX.

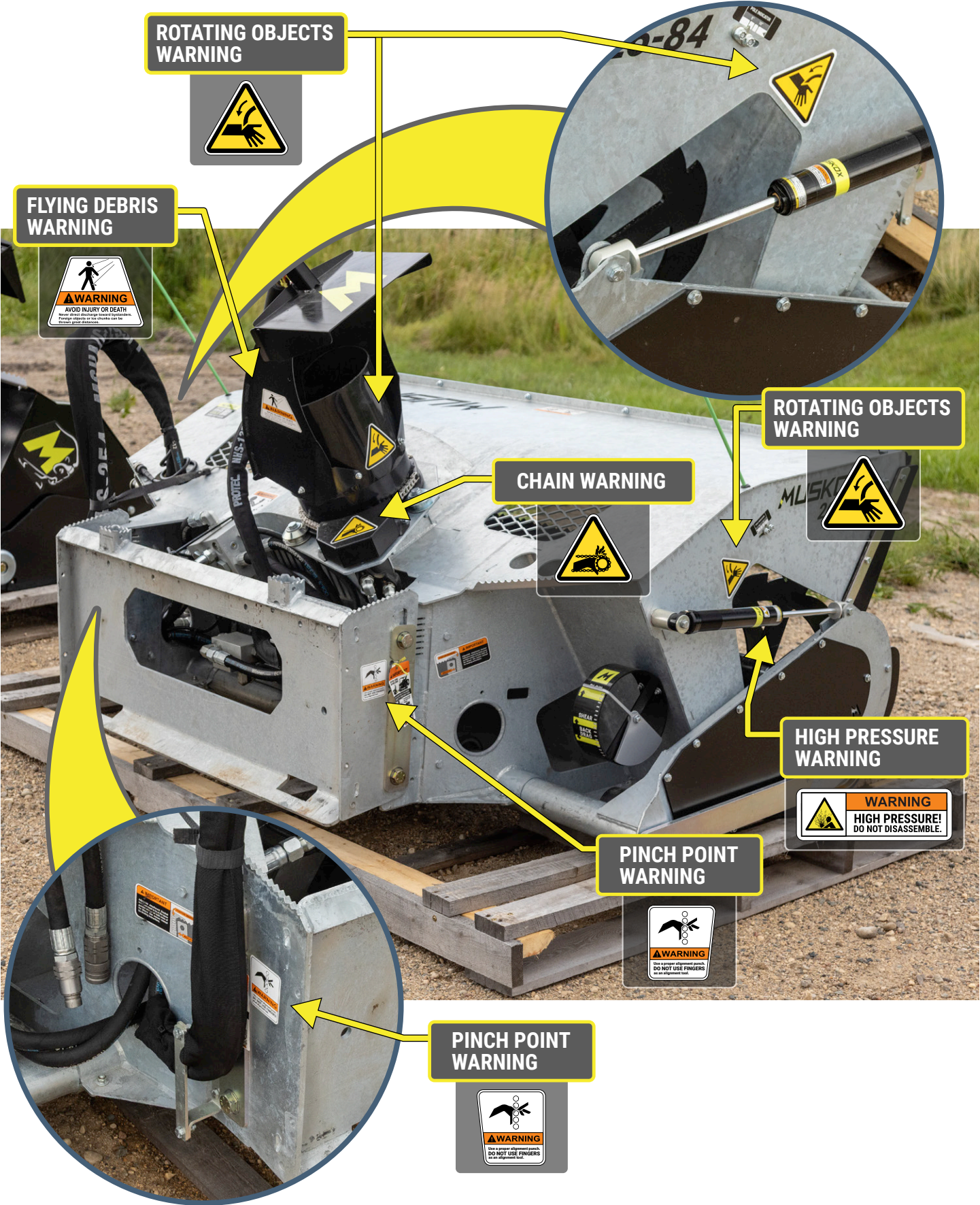
PLACEMENT OR REPLACEMENT OF SAFETY SIGNS

1. Clean the area of application with non-flammable solvent, and then wash the same area with soap and water.
2. Allow the surface to fully dry.
3. Remove the backing from the safety sign, exposing the adhesive surface.
4. Apply the safety sign to the position shown in the diagram below and smooth out any bubbles.

SAFETY DECAL LOCATIONS

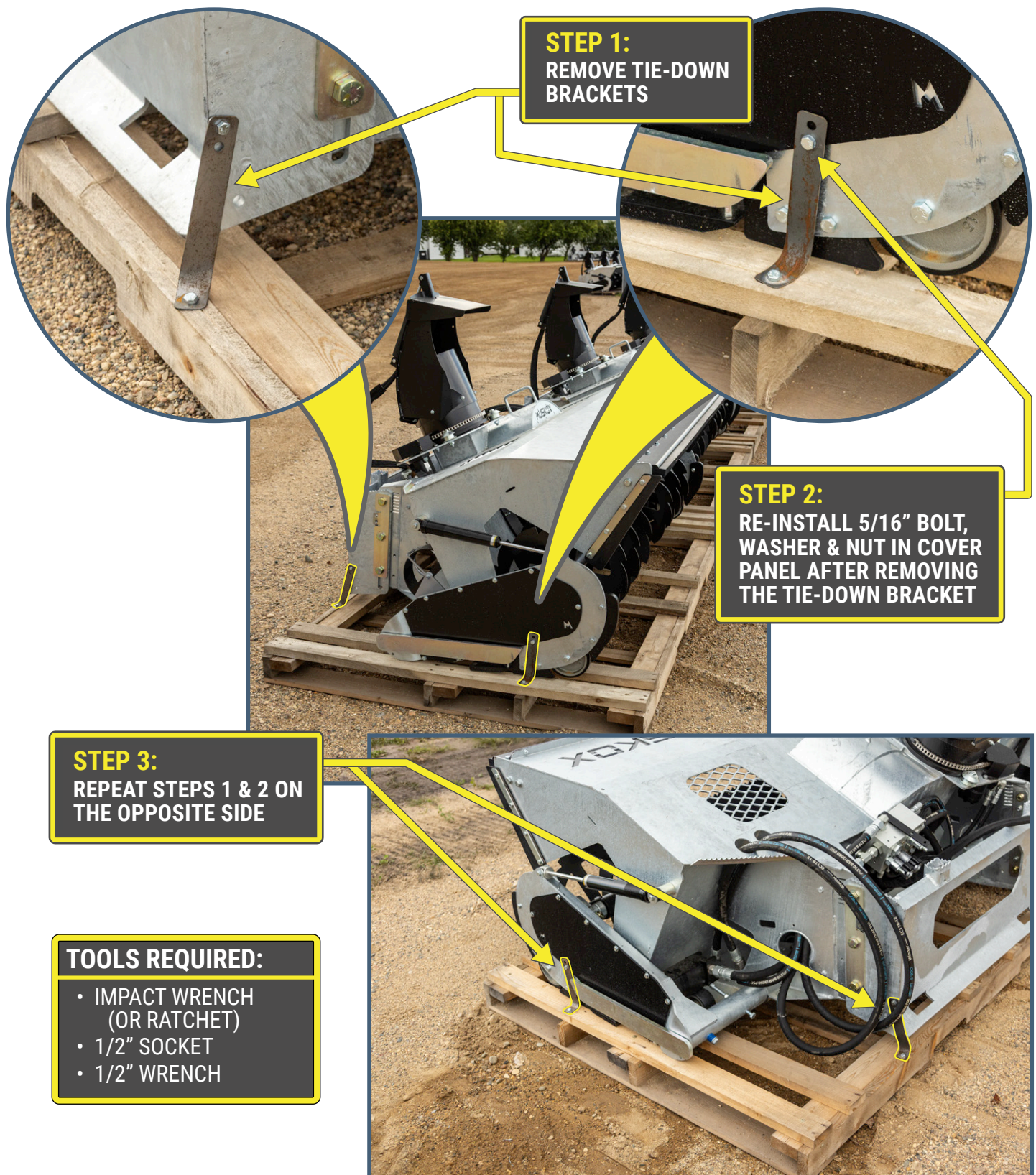


SAFETY DECAL LOCATIONS



UNCRATING YOUR NEW MUSKOX SNOWBLOWER

When you receive your MUSKOX 26-84 snowblower, follow the steps below to remove the snowblower from the shipping crate.



LIFT POINTS

Lift Points are identified in the image below. Lifting at other points is unsafe and can damage attachment. Do not attach lifting accessories around cylinders or in any way that may damage hoses or hydraulic components.

- Attach lifting accessories to unit at recommended lifting points.
- Bring lifting accessories together to a central lifting point.
- Lift gradually, maintaining the equilibrium of the unit.



LIFT POINTS



⚠ USE LIFTING ACCESSORIES (CHAINS, SLINGS, ROPES, SHACKLES AND ETC.) THAT ARE CAPABLE OF SUPPORTING THE SIZE AND WEIGHT OF YOUR ATTACHMENT.

Secure all lifting accessories in such a way to prevent unintended disengagement. Failure to do so could result in the attachment falling and causing serious personal injury or death.

TIE DOWN POINTS

Tie down points are identified in the diagram below. Securing to trailer at other points is unsafe and can damage attachment. Do not attach tie down accessories around cylinders or in any way that may damage hoses or hydraulic components.

- Attach tie down accessories to unit as recommended.
- Check unit stability before transporting.



INSTALLATION AND SETUP

INSTALLATION AND SETUP

1. Place the product on a firm, level surface that is large enough to safely accommodate this product, your prime mover and all workers involved in the mounting process.
2. Refer to the operator's manual(s) for your prime mover, loader, and quick-attach and follow the mounting instructions contained therein.
3. Carefully raise the loader and cycle the tilt cylinders to check clearances and to verify that all mounting procedures have been successfully completed.



Lubricate all grease fittings before connecting this product to your prime mover's hydraulic system. Refer to the **MAINTENANCE** section on page 28, and follow the instructions



READ MANUAL PRIOR TO INSTALLATION

Improper installation, operation, or maintenance of this equipment could result in serious injury or death. Operators and maintenance personnel should read this manual, as well as all manuals related to this equipment and the prime mover thoroughly before beginning installation, operation, or maintenance.

FOLLOW ALL SAFETY INSTRUCTIONS IN THIS MANUAL AND THE PRIME MOVER'S MANUAL(S).

WIRING HARNESS INSTALLATION

1. Your MUSKOX will be delivered to you with a harness to match the loader you indicated when you purchased your MUSKOX.
2. Plug into your loader outlet using proper plug with proper pinout.
 - a. Make sure the harness has sufficient slack, being aware of any pinch points.
3. If you switch loaders, follow the wire harness chart provided in this manual for proper plug and pinout (see page 14).
 - a. If you are unable to switch pinout to match your loader, you may contact MUSKOX Service Department to purchase the proper harness.

JOYSTICK INSTALLATION

1. Joystick control will need to be installed if your loader does not have the required 12 V power outlets.
 - a. MUSKOX Service Department has this available for purchase.

WARNING! Failure to obey the following procedures could result in death or serious injury. Before doing any work on your prime mover's battery, read and understand all prime mover instructions and safety signs for your prime mover's electrical system. Pay special attention to hazard avoidance and remedial action related to explosive gas and acid.

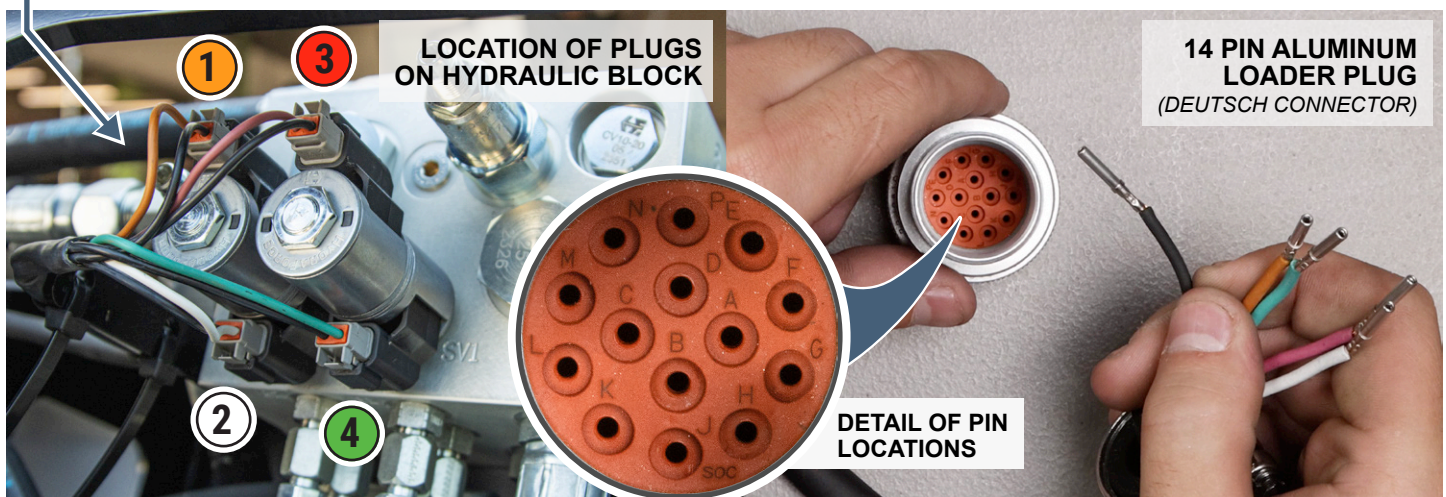
AVOID ELECTRIC SHOCK! Failure to obey all procedures may result in personal injury. To avoid electrical shock during the wiring harness installation, remove the ground cable from the battery of your prime mover.

WIRING HARNESS SETUP

WIRE COLOR	WHITE ②	ORANGE ①	GREEN ④	RED ③
LOCATION OF PLUGS ON HYDRAULIC BLOCK	Left Solenoid: Inner Plug Wire FN: Deflector Up	Left Solenoid: Outer Plug Wire FN: Deflector Down	Right Solenoid: Inner Plug Wire FN: Rotate Right	Right Solenoid: Outer Plug Wire FN: Rotate Left
Harnesses will have tags indicating Brand	LOCATION OF PINS IN THE 14 PIN ALUMINUM LOADER PLUG			
Bobcat	E	F	G	H
John Deere	E	D	C	G
CAT(14 Pin)	D	C	F	E
CAT(8 Pin)	H	B	C	D
Kubota	G	H	F	E
JCB	E	F	G	H
Volvo	E	F	G	H
New Holland	D	C	E	F
Case	D	C	E	F
Wacker	E	F	D	C
Takeuchi	E	F	D	C
Hyundai	E	F	D	C
Gehl	E	F	D	C
Mustang	E	F	D	C
Joystick Controller	E	F	D	C
ASV (14 PIN)	C	D	F	E
ASV (8 PIN)	G (red wire)	B (white wire)	C (green wire)	D (orange wire)



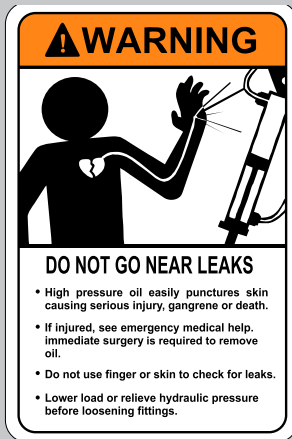
Ground Wire	High Flow Jumper
B	
A	
B	If (32gpm)XPS:(K) If (40gpm)XHP/XE:(N)
A	
B	
B	
B	
B	
B	
B	
B	
B	
A	
A	



HYDRAULIC CONNECTIONS

HYDRAULIC SNOW BLOWER HYDRAULIC CONNECTION

1. Disconnect the hydraulic hose quick couplers from one another and attach the quick couplers to your prime mover as per the instructions in your prime mover operator's manual.
2. Carefully raise the loader and cycle the tilt cylinders to check hose clearances and to check for any interference. Operate the chute and deflector on this product to make the same checks.
3. Cycle the hydraulic cylinder(s) on this product several times from fully retracted to fully extended until all air has been completely removed from the cylinder(s).



READ AND UNDERSTAND ALL SAFETY STATEMENTS

Read all safety decals and safety statements in all manuals before beginning any Snow Blower hydraulic connection. Know and obey all OSHA regulations, local laws, and other professional guidelines for your operation. Know and follow good work practices when assembling, maintaining, repairing, mounting, removing, or operating this equipment.

WARNING! Do not lock the auxiliary hydraulics of your prime mover in the "ON" position. Failure to obey this warning could result in death or serious injury.

OPERATION

INTENDED USE

This snow blower has been designed and built to push loose snow. Use in any other way is considered contrary to the intended use. Compliance with and strict adherence to operation, service and repair conditions as specified by the manufacturer, are also essential elements of the intended use.

 Never allow anyone to reach into, kick into, or otherwise come in contact with a rotating auger or with a non-rotating clogged auger. The auger can crush and/or dismember. Keep everyone clear of the auger until the prime mover engine is off and the hydraulic pressure has been relieved.

 Never allow anyone to reach into the chute, force objects (i.e. bars, poles, etc.) down the chute, kick into the fan, or otherwise come in contact with a rotating fan or with a nonrotating clogged fan. The fan can throw objects at a lethal speed and can dismember. Keep everyone clear of the fan until the prime mover engine is off and the hydraulic pressure has been relieved.

 Never place any object (i.e. bar, pole, stick, etc.) down the chute until the prime mover engine is off and the hydraulic pressure has been relieved.

Do not operate this product until all others are clear of the entire discharge area. Foreign objects and pieces of ice are generally thrown farther than snow. High flow snow blowers are capable of throwing material up to 300 feet.

Do not operate this product when blowing or thrown snow restricts visibility.

Never lift this product a) above the operator's eye level or b) to a height where visibility is obstructed, whichever is lower.



NOTICE

Holding the toggle switches in the powered position after the actuator has reached the end of that device's cycle of movement, and/or

- Applying force on the deflector from any source, other than blown snow, that will cause the deflector to either compress or extend the deflector's actuator, and/or
- Using your Snow Blower as a snow "plow" CAN result in damage to this product and WILL void all MUSKOX warranties.

READ AND UNDERSTAND ALL SAFETY STATEMENTS



Read all safety decals and safety statements in all manuals prior to operating or working on this equipment. Know and obey all OSHA regulations, local laws, and other professional guidelines for your operation. Know and follow good work practices when assembling, maintaining, repairing, mounting, removing, or operating this equipment.



Always rotate the chute and adjust the deflector so that the thrown snow is directed into open areas.

Never direct the discharge at buildings, automobiles, trees, or any other item that may be damaged by thrown snow.

When blowing snow, approach the snow with the wind at the operator's back whenever possible. When clearing a large area, cut the first pass on the upwind side and work downwind.

OPERATION

If an excessive amount of snow is being pushed in front of the auger housing, **SLOW DOWN!!** Allow the auger and fan enough time to properly collect and throw the snow.

If a foreign object becomes wedged in the auger, the auxiliary hydraulics on the prime mover may be reversed to reverse the auger. Reversing the auger rotation may remove the obstruction.

If a foreign object becomes wedged in the fan:

- a) Move to a level surface, place your prime mover's transmission in "Park" and engage the parking brake.
- b) Lower this product onto the level surface.

- c) Shut off your prime mover's engine, remove the starter key, wait for all moving parts to come to a stop, and relieve all pressure in the hydraulic lines.
- d) Disconnect the hydraulic fittings from your prime mover and reconnect those fittings to each other.
- e) The fan can then be manually turned in a reverse rotation, allowing the foreign object to be removed.
- f) Once the fan is free, reconnect the hydraulic fittings as per the instructions in the **HYDRAULIC CONNECTION** section of this manual.



ENGAGE THE OVERHEAD SAFETY BAR WHENEVER YOU ARE DOING MAINTENANCE OR WORKING UNDER THE BLOWER.



ADJUSTABLE ATTACHMENT PLATE

The adjustable mounting plate on the MUSKOX 26-84 is designed to let the operator set the proper attachment height for their specific loader. Not all skid steers or track loaders have the same coupler height relative to the ground. Adjusting the plate ensures the blower sits level regardless of machine brand or model.

This adjustment ensures that the snow blower is mounted level and operates in the optimal position. It also ensures that the glide plate wheels are properly level and engaged for blowing snow in the forward direction.

VIDEO TUTORIAL

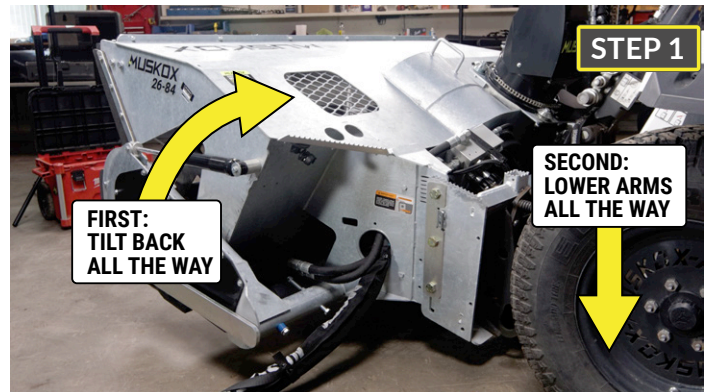
At this link is a video tutorial that goes through the whole process of adjusting the mounting plate.

SCAN
HERE!



Follow the following steps to properly align your skid steer and MUSKOX snowblower.

STEPS TO ADJUST MOUNTING PLATE HEIGHT



STEP 1: Attach the snow blower to your intended drive unit. Make sure you are on level ground. Tilt the blower back all the way, then lower the arms of your skid steer until they are as low as they can go.



STEP 2: Slowly tilt the blower forward until it rests on the ground.



STEP 3: Check to see if the glide plate wheels are touching the ground. If they spin freely, then you are out of alignment. Proceed with the following steps.



STEP 4: Loosen, but **do not remove**, the three bolts on one side of the attachment bracket.



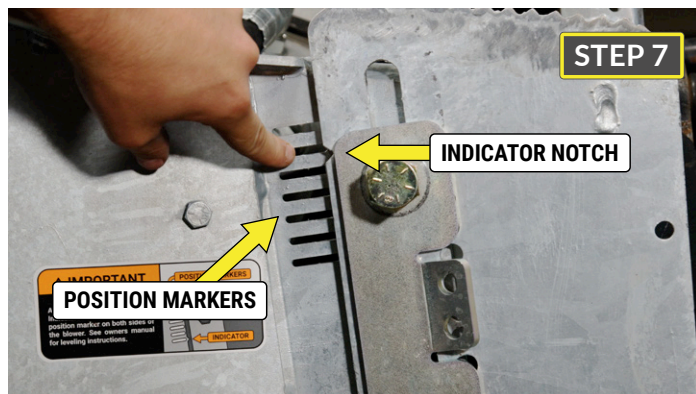
STEP 5: Loosen, but **do not remove**, the three bolts on the other side of the attachment bracket. The blower will shift and settle to the ground.



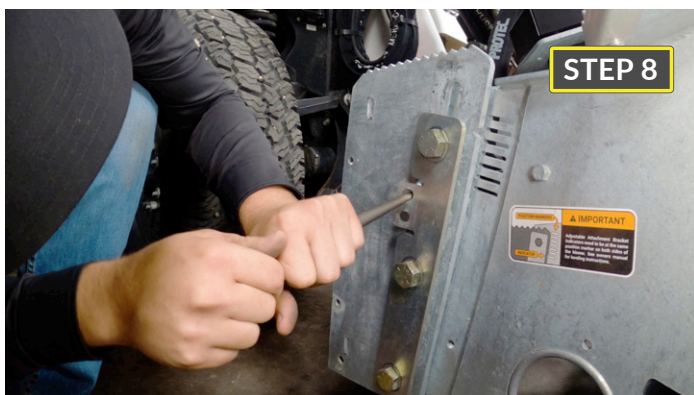
IMPORTANT: MAKE SURE YOU DO NOT REMOVE THE BOLTS. ONLY LOOSEN THEM.



STEP 6: The glide plate wheels should now be unable to spin freely. This means they are engaged on the ground and that the blower is resting in the correct position.



STEP 7: The blower is resting at the correct height, but the two sides may not be perfectly level. The notch on each side of the attachment bracket needs to be at the exact same position marker. Note where the indicator notch meets up with the position markers.



STEP 8: Go to the other side of the blower. Using a heavy duty punch as a pry bar, you can shift the blower to match the position marker from the first side. There are two holes in the plate you can use to reach in and pry the blower into the correct position.



STEP 9: Once the notch matches the position marker on the other side, retighten all three bolts on this side of the machine. Ensure that all three of these bolts are securely fastened. The bracket should pull in tight against the blower frame.



STEP 10: Return to the other side of the blower. You may need to make another adjustment on this side by using the punch as a pry bar to ensure the notch matches the other side of the blower.



STEP 11: Once the notch matches the position marker on the other side, retighten all three bolts on this side of the machine. Ensure that all three of these bolts are securely fastened. The bracket should pull in tight against the blower frame. The procedure is now complete.

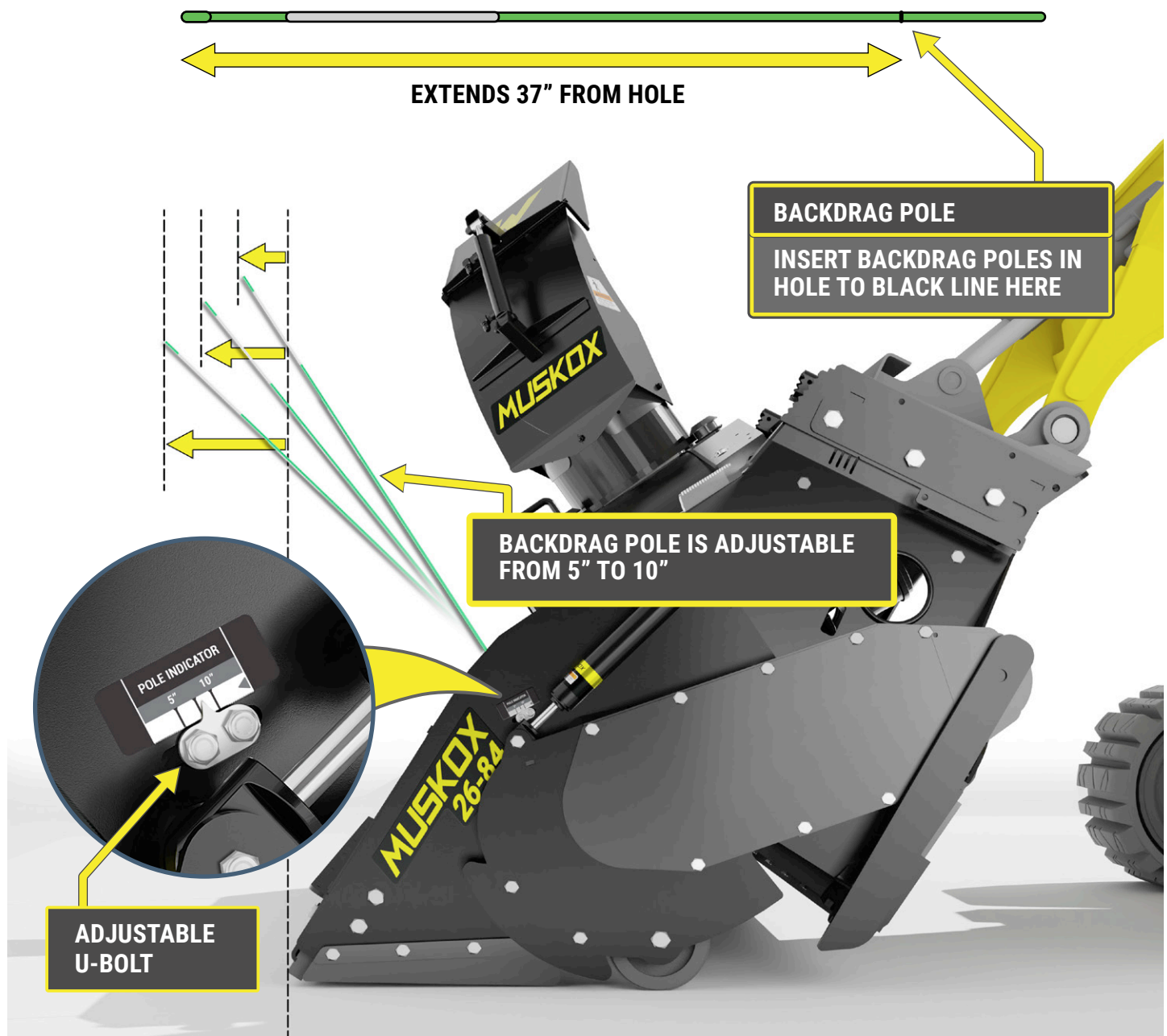
BACKDRAG POLES

Backdrag poles are identified in the image below. The poles are designed as reference point for the distance between the front rubber cutting edge and the obstruction in front of said cutting rubber edge. The poles are designed to serve as a reference point only, as any slight adjustment can greatly affect distance and accuracy.

- Backdrag pole is adjustable to distance points ranging from roughly 5 inches to 10 inches. Adjustment of distance is determined by U-bolt placement and aligning U-bolt with the Pole Indicator decal. Location of U-bolt

in reference to distance from obstruction is referenced below.

- To install or replace backdrag poles, slide poles through slot on either end of blower as indicated on the picture. With blower tipped back in forward blow position, install U-bolts supplied around stake from inside the blower. Slide pole down until 37 inches exposed above blower.
- Replacement poles are available for order at service@muskoxmn.com

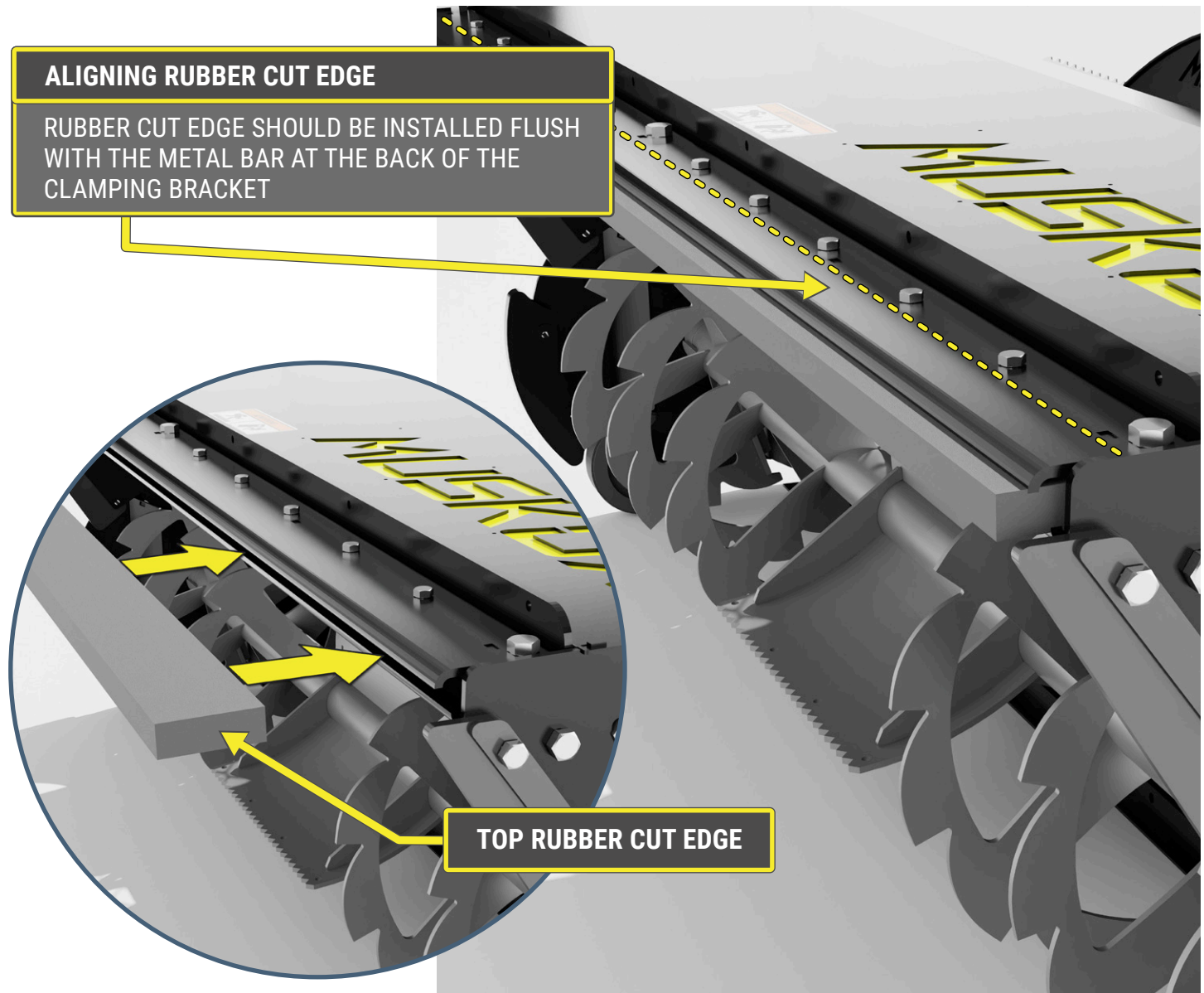


TOP RUBBER CUTTING EDGE

The Top Rubber Cutting Edge is identified in the diagram below. The rubber cutting edge is designed to reduce scratching of hard surfaces. The performance of the rubber cutting edge is improved by operator angle and location of the cutting edge in reference to upper steel plate that secures the rubber.

- When setting the rubber cutting edge, the exposed rubber between the upper steel plate and edge of rubber should be a minimum of 3/4". Reference the image below when adjusting rubber cutting edge or replacing.

- To extend the life of the rubber cutting edge, it is designed to have 4 usable edges. When one is worn down, rotate rubber to a new edge.
- We recommend measuring the amount of exposed rubber before each use and adjusting as needed.
- For video on how to adjust or replace the cutting edge, visit www.muskoxmn.com/support
- Adjustable rubber cutting edges are available for order at service@muskoxmn.com



LOWER CUTTING EDGE

TWO OPTIONS

A Lower Steel Cut Edge is installed on the standard configuration of the MUSKOX 26-84. An optional Lower Rubber Cut Edge is also available.

A Rubber Lower Cutting Edge conversion kit can be ordered from MUSKOX.

STEEL LOWER CUTTING EDGE

Primary Use Case:

Best for hard, durable surfaces like concrete or asphalt where aggressive scraping is needed.

Advantages:

Cuts down packed snow and ice more effectively. Longer wear life compared to rubber under heavy use. Handles gravel or uneven surfaces better since it can break through crusted layers.

Best For:

- Municipal road clearing
- Commercial parking lots
- Areas with heavy, icy buildup that require maximum scraping power



RUBBER LOWER CUTTING EDGE

Primary Use Case:

Designed for sensitive or finished surfaces where you don't want to cause damage.

Advantages:

Protects delicate surfaces such as decorative concrete, stamped or sealed pavement, pavers, and some specialty applications.

Reduces scratching and spalling on coated surfaces. Quieter operation compared to steel edges.

Best For:

- Residential driveways
- Decorative or specialty pavement
- Surfaces where appearance and protection matter more than aggressive scraping

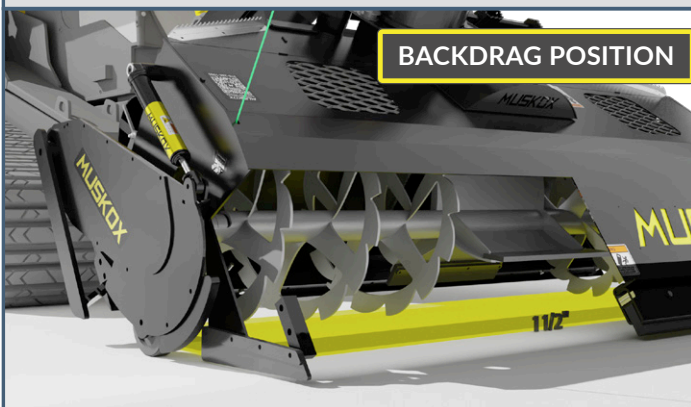
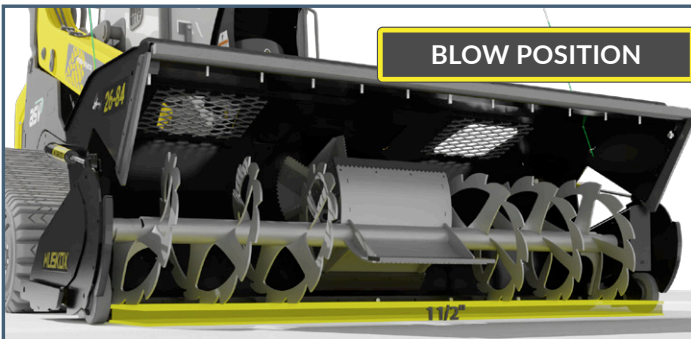
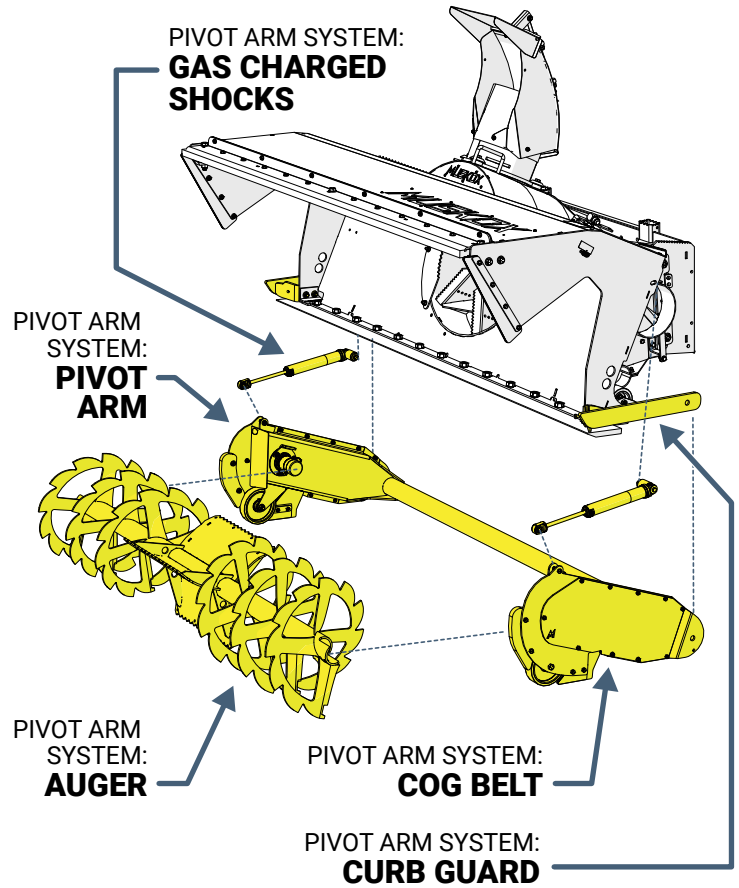


PIVOT ARM SYSTEM



The **Pivot Arm System** on the MUSKOX 26-84 is designed to keep the auger at the optimal working height automatically. The auger mounts to a pivot arm that rotates as needed, ensuring the auger always maintains an optimal ground clearance of 1.5 inches regardless of position.

A gas-charged shock works in tandem with the pivot arm, providing controlled movement and helping maintain that consistent clearance. This setup reduces operator input, prevents excessive surface contact, and ensures efficient snow removal while protecting both the auger and the operating surface.



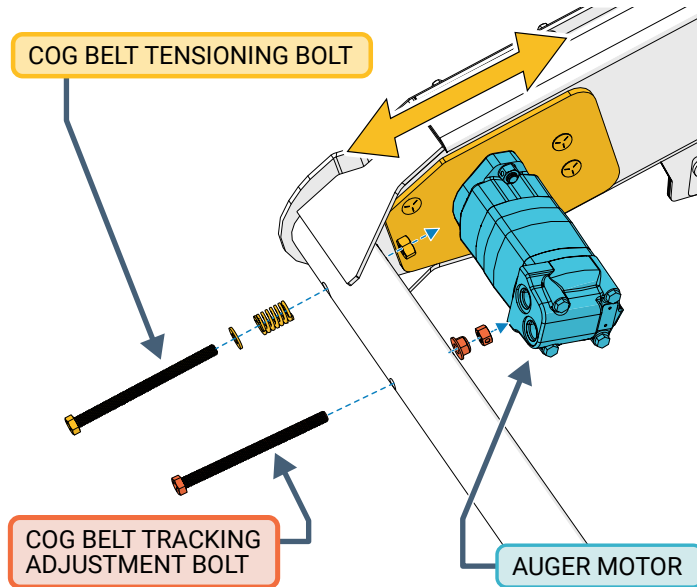
COG BELT TENSIONING

The MuskoX 26-84 uses a cog belt drive system for the auger, which is designed to be quiet and low maintenance. The cog belt provides strong, slip-free power transfer from the motor to the auger, even in heavy snow conditions.

The key advantage of this system is that it is low-maintenance compared to chains or gear drives, but operators still need to monitor belt condition to keep the auger operating at full efficiency.

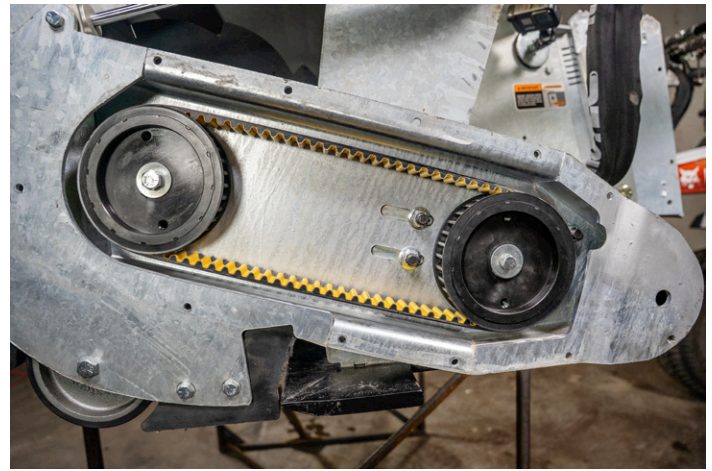


NOTE: COG BELT TENSIONING SET AT THE FACTORY. CONTACT SERVICE AT MUSKOX BEFORE ADJUSTING.

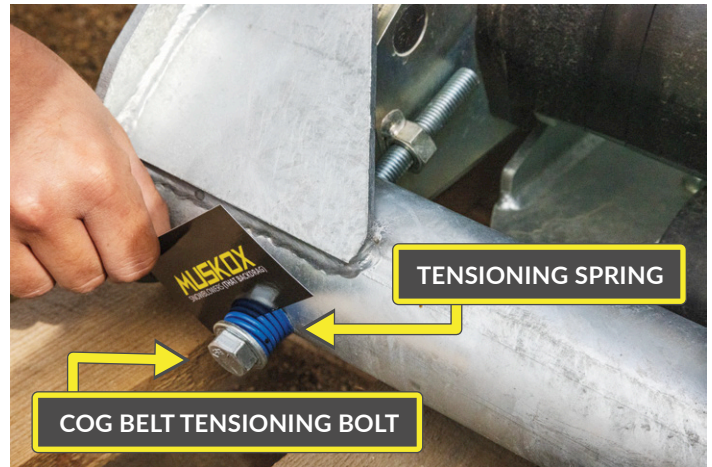


Operators should still keep a few considerations in mind to ensure reliability and long service life:

- **Belt Tension:** Periodically inspect the tensioning spring for proper tension. A loose belt can slip, reducing auger efficiency, while an overtightened belt can cause premature wear.
- **Cleanliness:** Keep the belt and pulley area free of packed snow, ice, or debris that could interfere with smooth engagement.
- **Belt Wear:** Check for cracks, fraying, or missing teeth in the belt. Replace if any damage is visible to avoid unexpected downtime. Inspect cog belt every 100 hours of use.



- **Lubrication:** The belt itself does not require lubrication, but inspect surrounding moving components (bearings, tensioners) and follow recommended lubrication schedules.
- **Regular Inspections:** Build belt and pulley checks into seasonal maintenance.



The tensioning spring should be tightened just enough to allow a business card to fit between the coils.



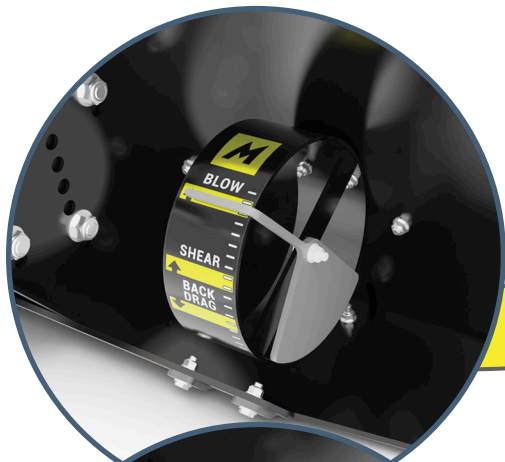
LEVELING WHEEL

Leveling wheel is identified in the diagram below. The leveling wheel is designed as a reference point only and reference three positions: blow, sheer and backdrag. The leveling wheel is for reference only as any slight adjustment can greatly affect distance and accuracy. The line of sight for the leveling wheel may vary based on the drive machine, seated position of operator, and position of snow blower.

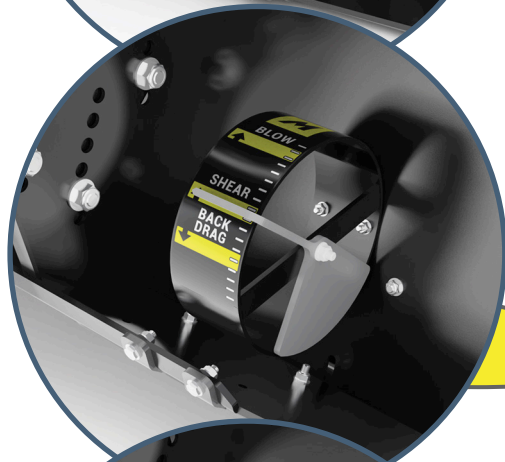
- The leveling wheel three position points, blow, sheer and back drag are identified in the image below. When the silver pin of lev-

eling wheel, identified below, is in the middle of the larger yellow sticker below each position, the operator is in the reference point.

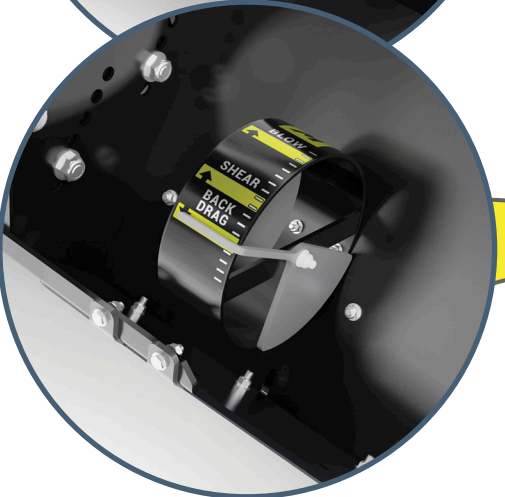
- Operating outside of suggested reference points may lead to additional wear and tear of machine.
- For video showing how to replace or add a leveling wheel to a MUSKOX blower, go to www.muskoxmn.com/support
- Leveling wheel are available for order at service@muskoxmn.com



BLOW POSITION



SHEAR POSITION



BACKDRAG POSITION

GENERAL STORAGE

STORAGE

- Clean the unit thoroughly, removing all snow, dirt and grease.
- Inspect for visible signs of wear, breakage or damage. Order any parts required and make the necessary repairs to avoid delays upon removal from storage.
- Tighten loose nuts, capscrews and hydraulic connections.
- Coat exposed portions of the cylinder rods with grease.
- Lubricate grease fittings.
- Seal hydraulic system from contaminants and secure all hydraulic hoses off the ground to help prevent damage.

- Store unit in a dry and protected place. Leaving the unit outside will materially shorten its life.
- Touch up all unpainted surfaces with paint to avoid rust.
- Cover unit with tarp if available.

REMOVAL FROM STORAGE:

- Remove cover.
- Wash unit and replace any damage and/or missing parts.
- Lubricate grease fittings.
- Check hydraulic hoses for damage and replace as necessary.
- Check belt tension spring and tighten as needed.



BOLT TORQUE SPECIFICATIONS

GENERAL TORQUE SPECIFICATION TABLE

Use the following chart when determining bolt torque specifications when special torques are not given. Always use grade 5 or better when replacing bolts.

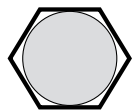
SAE BOLT TORQUE SPECIFICATIONS

NOTE: The following torque values are for use with extreme pressure lubricants, plating or hard washer applications. Increase torque 15 when using hardware that is unplated and either dry or lubricated with engine oil.

		SAE GRADE 5 TORQUE				SAE GRADE 8 TORQUE			
Bolt Size		Pounds Feet		Newton-Meters		Pounds Feet		Newton Meters	
Inches	Millimeters	UNC	UNF	UNC	UNF	UNC	UNF	UNC	UNF
1/4	6.35	8	9	11	12	10	13	14	18
5/16	7.94	14	17	19	23	20	25	27	34
3/8	9.53	30	36	41	49	38	46	52	62
7/16	11.11	46	54	62	73	60	71	81	96
1/2	12.70	68	82	92	111	94	112	127	152
9/16	14.29	94	112	127	152	136	163	184	221
5/8	15.88	128	153	174	207	187	224	254	304
3/4	19.05	230	275	312	373	323	395	438	536
7/8	22.23	340	408	461	553	510	612	691	830
1	25.40	493	592	668	803	765	918	1037	1245
1-1/8	25.58	680	748	922	1014	1088	1224	1475	1660
1-1/4	31.75	952	1054	1291	1429	1547	1700	2097	2305
1-3/8	34.93	1241	1428	1683	1936	2023	2312	2743	3135
1-1/2	38.10	1649	1870	2236	2535	2686	3026	3642	4103

BOLT HEAD IDENTIFICATION MARKS AS PER GRADE

NOTE: Manufacturing Marks Will Vary



GRADE 2
No Markings



GRADE 5
3 Radial Lines



GRADE 8
6 Radial Lines

NOTE: Nylock nuts are utilized when greater resistance to vibrating loose is required, and greater operating temperatures are not a factor. In addition, like lock nuts, nylock nuts have a safety feature that if the bolt does vibrate loose, the nut will remain on the screw. Install nylock nuts to the standard torque shown above.

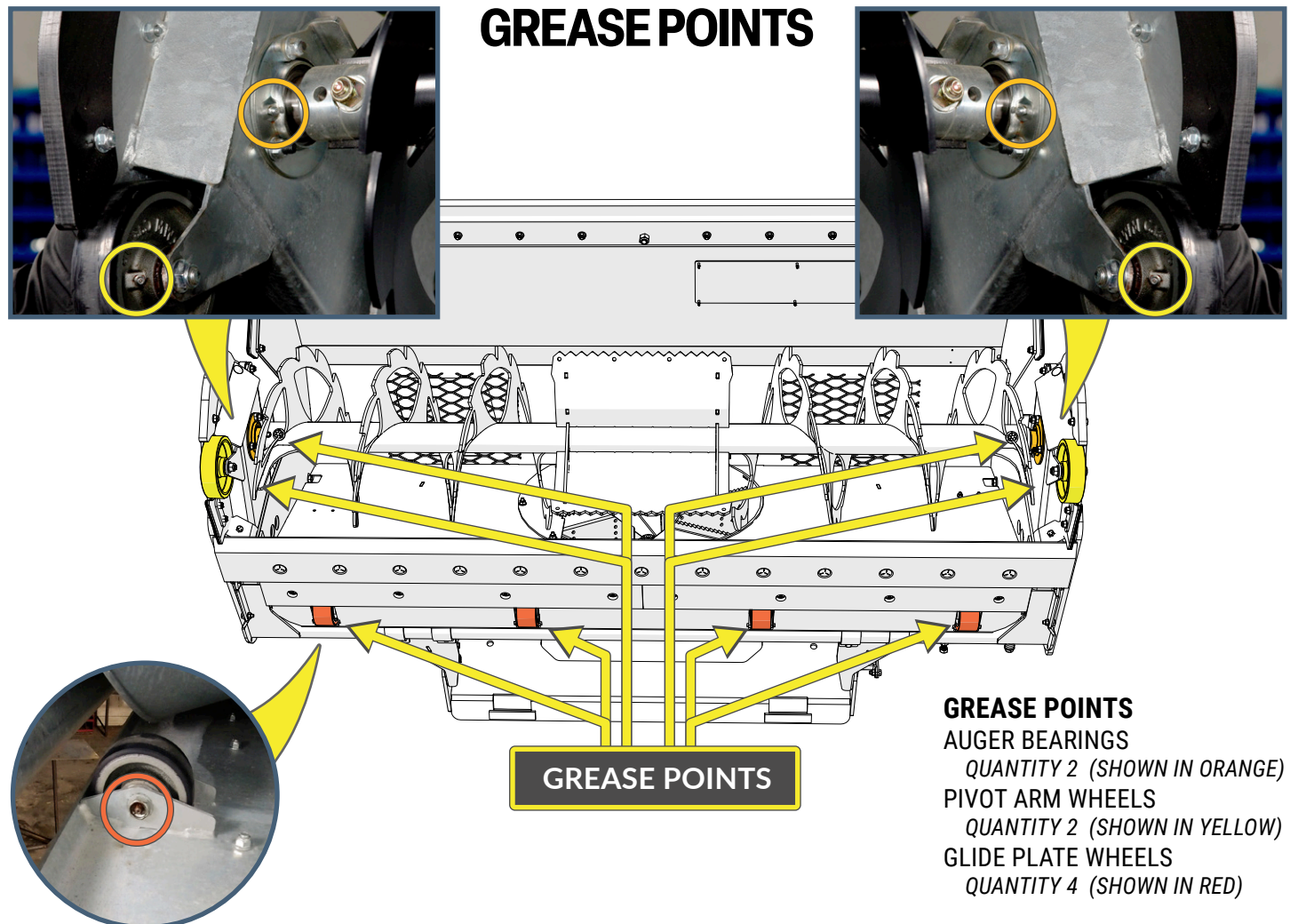
TORQUE SPECIFICATIONS FOR UHMW (PLASTIC) PARTS: Fasteners attached to UHMW (plastic) parts should **ONLY** be tightened to secure part. **DO NOT OVERTIGHTEN** or damage may occur to plastic part.

MAINTENANCE

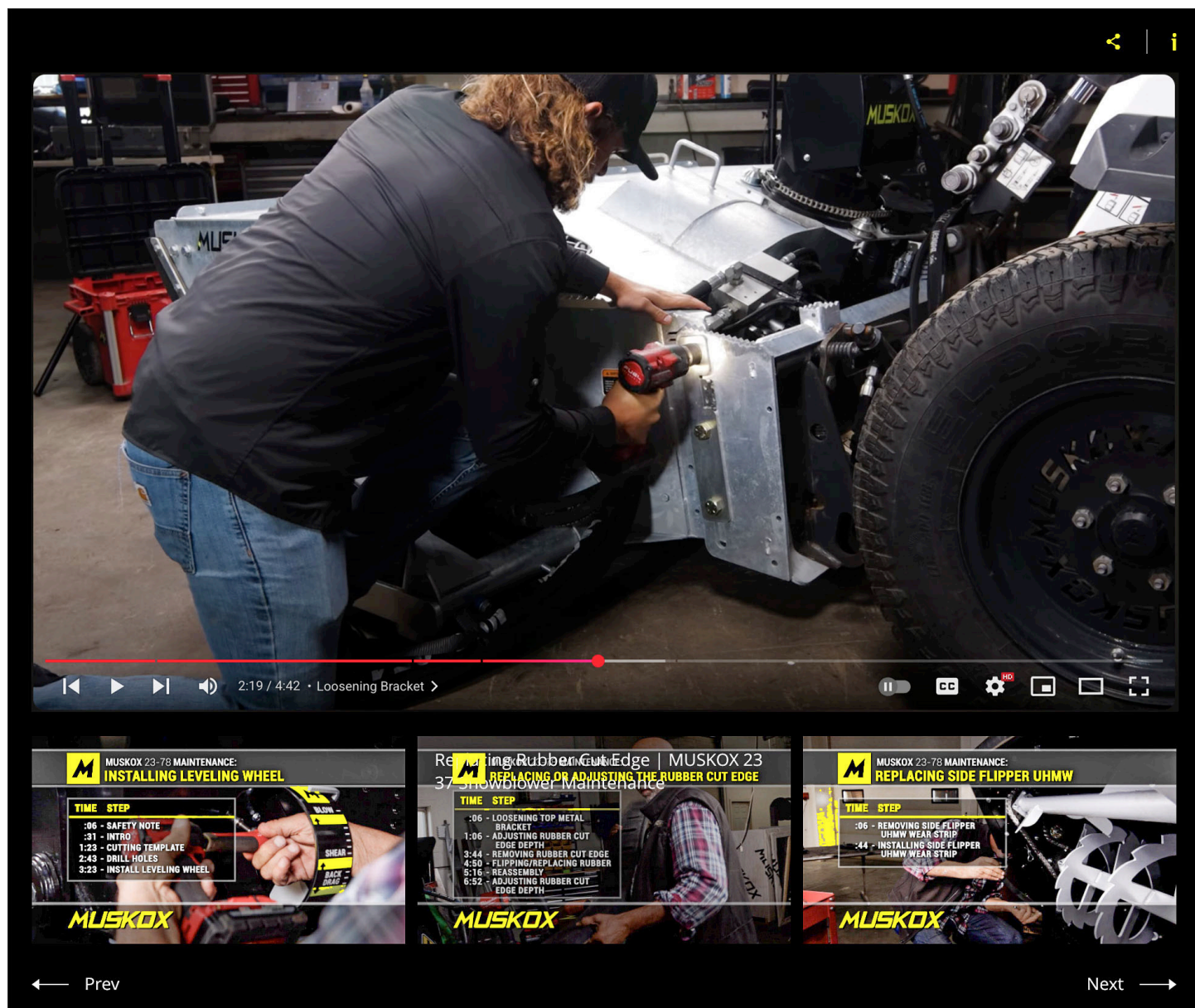
PROCEDURE	BEFORE EACH USE	EVERY 40 HOURS	EVERY 100 HOURS
Check and tighten all hardware and fasteners	X		
Tighten all hydraulic fittings and check for leaks	X		
Check all safety decals that they are clean and legible	X		
Replace any damaged and excessively worn parts	X		
Make sure chute and deflector are not frozen	X		
Check cog belt tensioning spring	X		
Grease all fittings as shown on parts illustration below		X	
Inspect cog belt for damage or wear			X

READ AND UNDERSTAND ALL SAFETY STATEMENTS

! Read all safety decals and safety statements in all manuals prior to operating or working on this equipment. Know and obey all OSHA regulations, local laws, and other professional guidelines for your operation. Know and follow good work practices when assembling, maintaining, repairing, mounting, removing, or operating this equipment.



MAINTENANCE VIDEOS AND RESOURCES



MUSKOX 23-78 MAINTENANCE: INSTALLING LEVELING WHEEL

TIME	STEP
:06	- SAFETY NOTE
:31	- INTRO
1:23	- CUTTING TEMPLATE
2:43	- DRILL HOLES
3:23	- INSTALL LEVELING WHEEL

MUSKOX 23-78 MAINTENANCE: REPLACING RUBBER CUT EDGE

TIME	STEP
:06	- LOOSENING TOP METAL BRACKET
1:06	- ADJUSTING RUBBER CUT EDGE DEPTH
3:44	- REMOVING RUBBER CUT EDGE
4:50	- FLIPPING/REPLACING RUBBER
5:16	- REASSEMBLY
6:52	- ADJUSTING RUBBER CUT EDGE DEPTH

MUSKOX 23-78 MAINTENANCE: REPLACING SIDE FLIPPER UHMW

TIME	STEP
:06	- REMOVING SIDE FLIPPER UHMW WEAR STRIP
:44	- INSTALLING SIDE FLIPPER UHMW WEAR STRIP

← Prev Next →

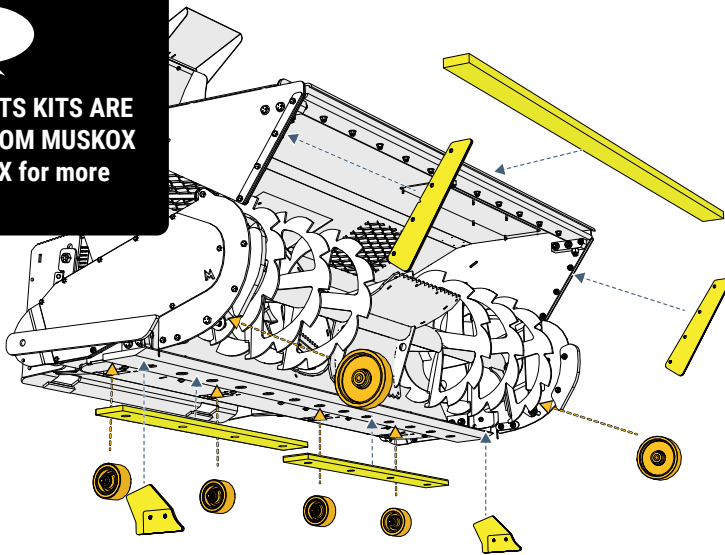
LOCATING MAINTENANCE VIDEOS AND RESOURCES

To review our extensive library of step-by-step maintenance videos and resources, please visit www.muskoxmn.com/support or simply use the QR code to the right.



WEARABLE PARTSKITS

WEARABLE PARTS KITS ARE AVAILABLE FROM MUSKOX
Contact MUSKOX for more information.



KIT FOR STEEL CUT EDGE 700-2601

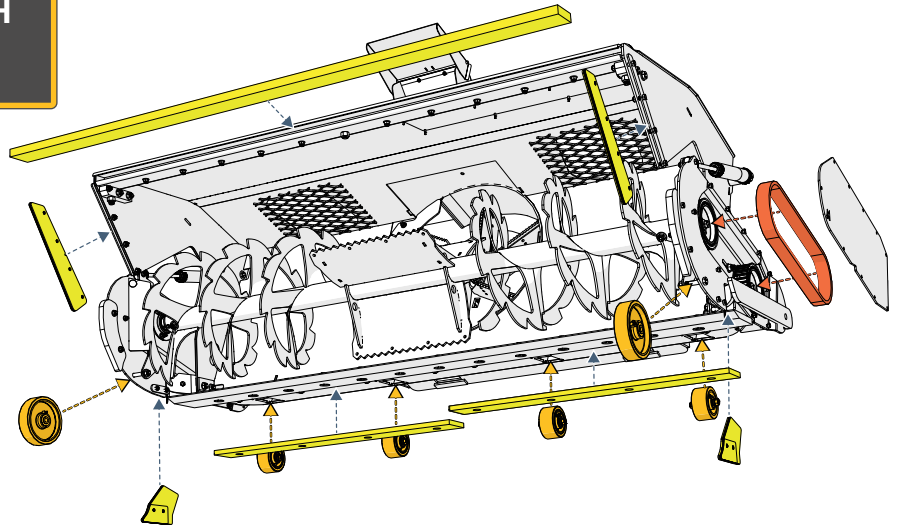
INCLUDES

- GLIDE PLATE WHEELS QUANTITY 4
- 3" TOP RUBBER CUT EDGE QUANTITY 1
- PIVOT ARM WHEELS QUANTITY 2
- SNOW GUIDE - RIGHT HAND QUANTITY 1
- SNOW GUIDE - LEFT HAND QUANTITY 1
- SNOW GUIDE SIDE SKIRT - RIGHT HAND QUANTITY 1
- SNOW GUIDE SIDE SKIRT - LEFT HAND QUANTITY 1
- BACKDRAG POLES QUANTITY 6
- UHMW WEAR PLATES QUANTITY 2
- AND REQUIRED FASTENERS

KIT FOR STEEL CUT EDGE WITH REPLACEMENT COG BELT 700-2602

INCLUDES

- BELT 14MGT-1260-37 CONTINENTAL QUANTITY 1
- GLIDE PLATE WHEELS QUANTITY 4
- 3" TOP RUBBER CUT EDGE QUANTITY 1
- PIVOT ARM WHEELS QUANTITY 2
- SNOW GUIDE - RIGHT HAND QUANTITY 1
- SNOW GUIDE - LEFT HAND QUANTITY 1
- SNOW GUIDE SIDE SKIRT - RIGHT HAND QUANTITY 1
- SNOW GUIDE SIDE SKIRT - LEFT HAND QUANTITY 1
- BACKDRAG POLES QUANTITY 6
- UHMW WEAR PLATES QUANTITY 2
- AND REQUIRED FASTENERS



RUBBER REPLACEMENT KIT 700-2604

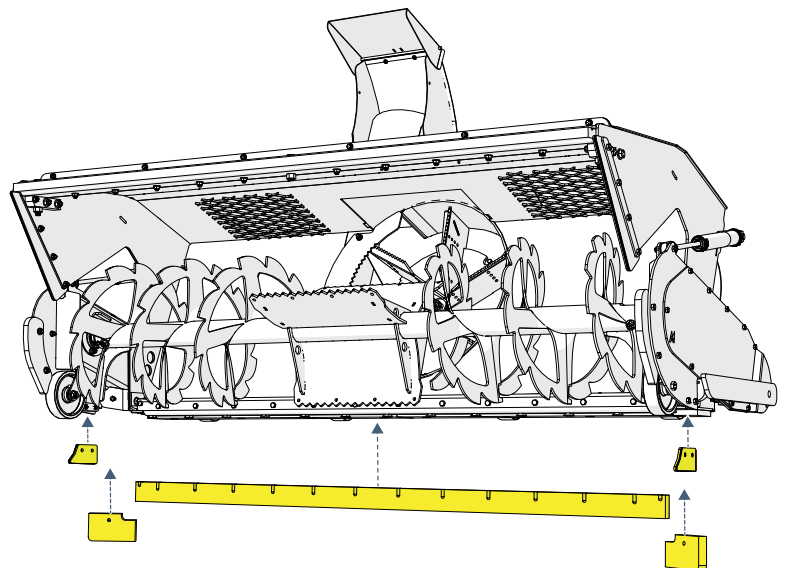
INCLUDES

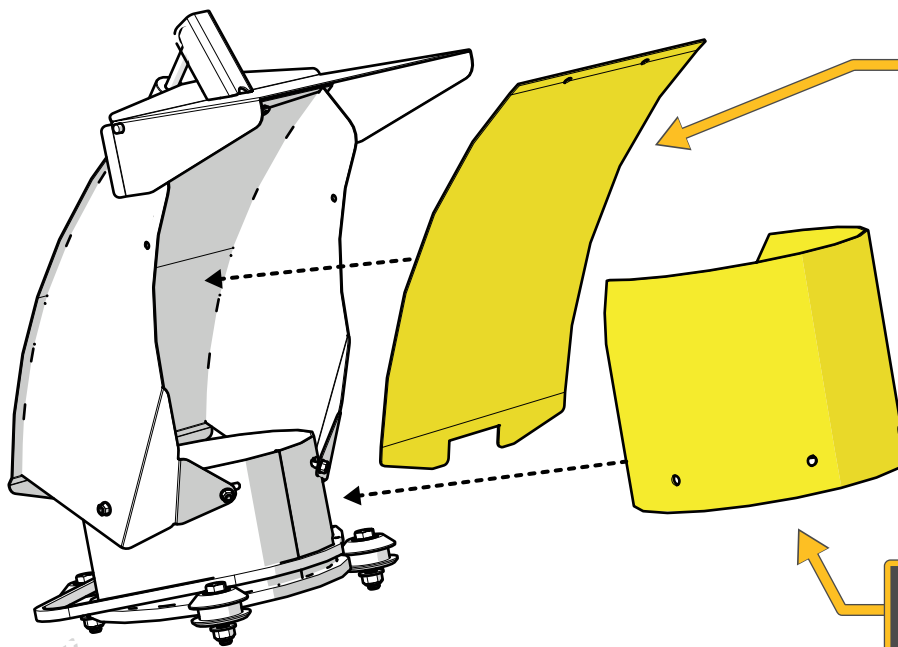
- SNOW GUIDE SIDE SKIRT - LEFT HAND QUANTITY 1
- SNOW GUIDE SIDE SKIRT - RIGHT HAND QUANTITY 1
- BOTTOM SQUEEGEE QUANTITY 1
- LOWER CURB GUARD SQUEEGEE, SMALL QUANTITY 2

RUBBER REPLACEMENT KIT (DUAL) 700-2606

INCLUDES

- SNOW GUIDE SIDE SKIRT - LEFT HAND QUANTITY 2
- SNOW GUIDE SIDE SKIRT - RIGHT HAND QUANTITY 2
- BOTTOM SQUEEGEE QUANTITY 2
- LOWER CURB GUARD SQUEEGEE, SMALL QUANTITY 4





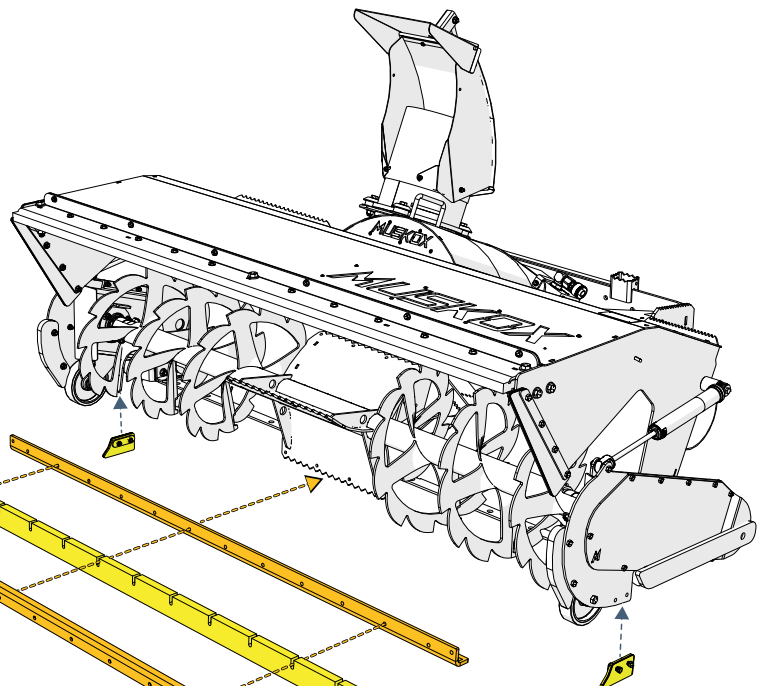
GUARD,CHUTE-HMW-BLACK
611-0005

SHROUD,CHUTE-HMW-BLACK
611-0007

LOWER RUBBER CUT EDGE CONVERSION KIT 700-2603

INCLUDES

- SNOW GUIDE SIDE SKIRT - LEFT HAND QUANTITY 1
- SNOW GUIDE SIDE SKIRT - RIGHT HAND QUANTITY 1
- BOTTOM SQUEEGEE QUANTITY 1
- MOUNT PLIABLE CUTTING EDGE QUANTITY 2
- LOWER CURB GUARD SQUEEGEE, SMALL QUANTITY 1
- MOUNT STRAP PLIABLE CUTTING EDGE QUANTITY 1
- MOUNT STRAP, CURB GUARD SQUEEGEE QUANTITY 1



LOWER RUBBER CUT EDGE CONVERSION KIT (DUAL) 700-2605

INCLUDES

- SNOW GUIDE SIDE SKIRT - LEFT HAND QUANTITY 2
- SNOW GUIDE SIDE SKIRT - RIGHT HAND QUANTITY 2
- BOTTOM SQUEEGEE QUANTITY 2
- MOUNT PLIABLE CUTTING EDGE QUANTITY 4
- LOWER CURB GUARD SQUEEGEE, SMALL QUANTITY 1
- MOUNT STRAP PLIABLE CUTTING EDGE QUANTITY 1
- MOUNT STRAP, CURB GUARD SQUEEGEE QUANTITY 1

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Auger will not rotate	Hoses installed incorrectly	Switch quick coupler fittings
	Continuous flow on skid steer not engaged	See skid steer operator's manual for auxiliary operation procedure
	Worn, damaged, insufficient or inadequate pump	Repair or replace hydraulic pump
	Insufficient oil in system	Service the skid steer hydraulic reservoir, see skid steer operator's manual
	Hose ends not completely engaged	Check hose couplings and engage properly
	Air in hydraulic lines	Cycle skid steer auxiliary system several times to remove air from lines
	Object in auger	Remove while machine is off
	Obstruction in hydraulic lines	Replace obstructed or damaged line
Fan will not rotate	Fan is stuck, either frozen or has object impeding movement	If frozen, lightly hit fan with hammer to break free or melt ice If object is stuck in fan, remove object in a safe manner
Chute will not rotate/angle	Continuous flow on skid steer not engaged	See skid steer operator's manual for auxiliary hydraulic operation procedure
	Worn, damaged, insufficient or inadequate pump	Repair or replace hydraulic pump
	Wire harness pinned incorrectly	Refer to the wire harness diagram on page 14 for correct pin configuration for your skid steer
	Wire harness damage	Replace wire harness. Contact MUSKOX for correct wire harness
	Air in hydraulic lines	Cycle skid steer auxiliary system several times to remove air from lines
	Obstruction in hydraulic lines	Replace obstructed or damaged line
	Electrical failure	See skid steer operator's manual
Oil leaks	Worn or damaged seal	Replace leaking seal
	Loose or damaged hoses	Replace damaged hoses and secure loose hoses
	Loose or damaged connections	Replace damaged hose connections and tighten loose fittings



Refer to our video resources online for more information on this and other maintenance issues at www.muskoxmn.com/support

WARRANTY

LIMITED WARRANTY MUSKOX 26-84

We stand behind our engineering — and our customers. Every new MUSKOX 26-84 snowblower is backed by a **2-year limited warranty**, starting from the date of retail purchase. If there's a defect in **materials** or **workmanship**, we'll make it right — fast, fair, and with the same confidence we put into every weld.

WHAT'S COVERED

This Limited Warranty covers **MUSKOX-manufactured components** found to be defective during the warranty period. We will, at our discretion:

- **Repair or replace** the defective part.
- Cover parts and/or labor as needed.
- Keep the process simple and timely.

WHAT'S NOT COVERED

(WEAR PARTS & OTHER EXCLUSIONS)

Certain parts naturally wear down over time — especially those that contact the ground or snow. These are considered **wear parts** and are not covered under this Limited Warranty.

Examples include:

Auger teeth, scraper blades, cutting edges, glide shoes, bearings, rubber deflectors, UHMW liners, and similar contact components.

Also not covered:

- Improper use or maintenance
- Unauthorized repairs or modifications
- Non-MUSKOX replacement parts
- Accidental or impact-related damage

WARRANTY REQUIREMENT - REGISTRATION

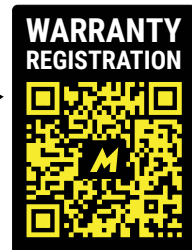
To activate the full **2-year Limited Warranty**, your snowblower must be registered **within 30 days** of retail purchase.

- **Unregistered units receive a 1-year Limited Warranty.**

How to Register:

- Scan this QR code
- Visit our website: www.muskoxmn.com/support
- Or call us at: **218-288-1905**

SCAN
HERE!



LEGAL NOTES

This Limited Warranty replaces all other warranties — **express or implied** — including merchantability or fitness for a particular purpose. MUSKOX is not liable for indirect, special, or consequential damages. Our responsibility is limited to **repair or replacement** of the defective part.

QUESTIONS? NEED HELP?

We're here to support you — before, during, and after the snow flies.

Browse video tips and full warranty info at:

- www.muskoxmn.com/support
- 218-288-1905

RECAP: YOUR RESPONSIBILITIES

- Register within 30 days for full 2-year coverage
- Maintain your equipment per manual
- Contact us with questions — we're here to help

WARRANTY PROCESS (QUICK OVERVIEW)

STEP	ACTION
1	Register your machine within 30 days of purchase via QR code or our website
2	If an issue arises, contact us directly by phone or through our support site
3	We may request the part be shipped to us (freight pre-paid) for inspection
4	If covered, we'll repair or replace the part under warranty
5	Claim must be submitted within 45 days of the repair

[illegible]

MUSKOX

BRING IT. DO IT. OWN IT.

601 FIRST STREET NORTH | MENTOR, MINNESOTA 56736
WWW.MUSKOXMN.COM | 218.288.1905 | SERVICE@MUSKOXMN.COM