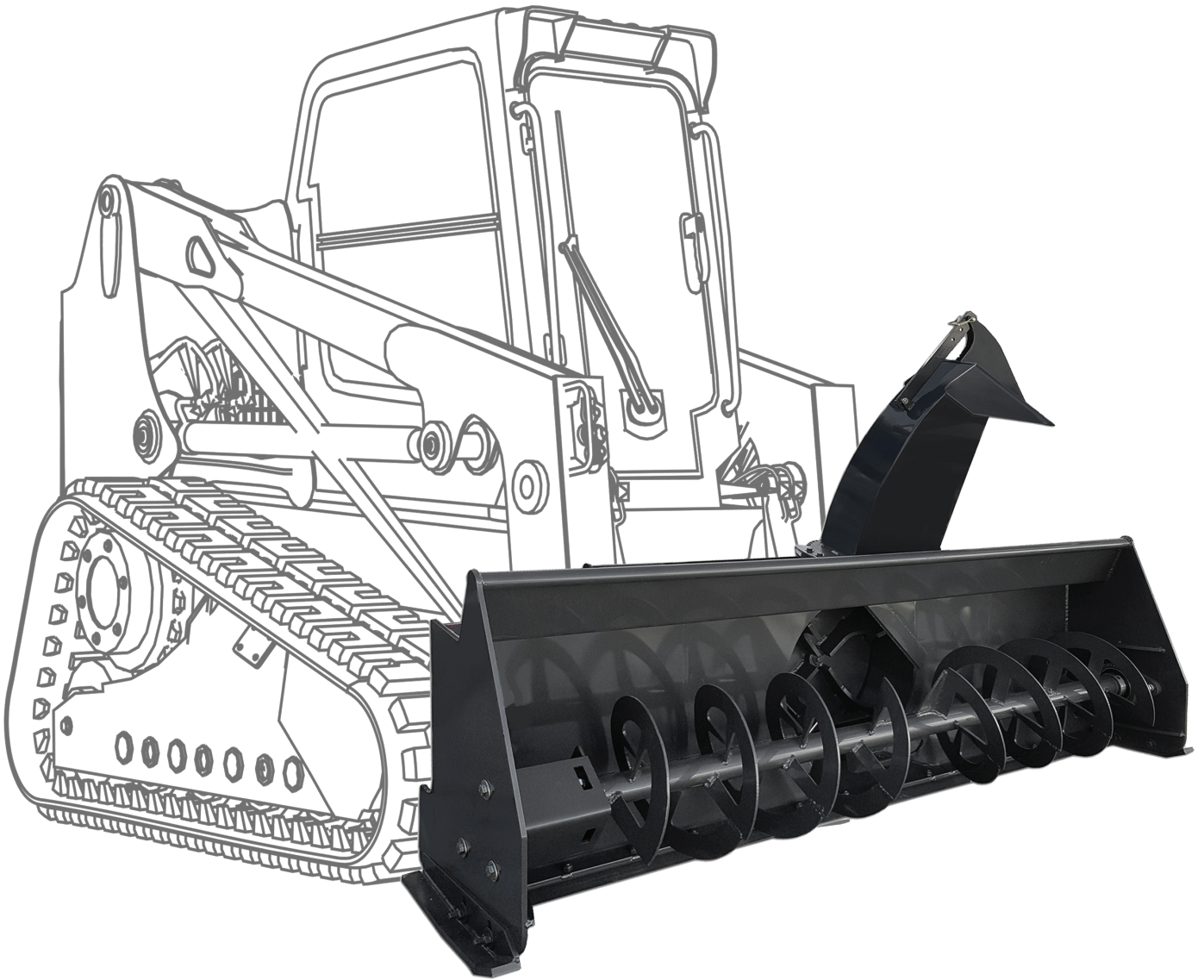




# SNOW BLOWER

OWNER'S MANUAL



DEC  
2024

OPERATING INSTRUCTIONS | SAFETY RULES | MAINTENANCE PROCEDURES

## REGISTER YOUR PRODUCT

# CID

**336-859-2002**

MODEL

WEIGHT

PART

HP RANGE

SERIAL

HYDRAULIC PRESSURE

HYDRAULIC FLOW

[WWW.CIDATTACHMENTS.COM](http://WWW.CIDATTACHMENTS.COM)

Please see the inside of the back cover for instructions of where to find your model and serial number.

## **WARNING**

To prevent personal injury or even death, be sure you read and understand all the instructions in this manual and other related OEM equipment manuals! This attachment if not used and maintained properly, can be dangerous to users unfamiliar with its operation. Do not allow operating, maintaining, adjusting, or cleaning of this attachment until the user has read this manual and has developed a thorough understanding of the safety precautions and functions of the unit. This attachment is designed for the purpose specified. DO NOT modify or use this attachment for any application other than that for which it was designed. Attachments maintained or operated improperly or by untrained personnel can be dangerous, exposing the user and/or bystanders to possible serious injury or death.

Purchase Date:

Dealer Name:

Address:

Phone Number:

## WELCOME

Thank you for choosing CID. This attachment has been designed and manufactured to meet the needs of discerning users. We are committed to providing you with a heavy duty product that will provide years of satisfaction and safe operation.

This manual will provide instructions on how to safely operate and maintain this attachment. All users must read and understand this manual before operating this machine. Upon reading this manual, all users should sign the “Safety Acknowledgment Form” at the end of this manual.

Please record your model and dealer information on the inside front cover. You will be asked to provide this information when ordering parts or requesting service. If you need more information on this product, contact your local dealer or visit [www.cidattachments.com](http://www.cidattachments.com).

*Sincerely,*  
*The CID Team*



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## IMPORTANT WARRANTY DISCLAIMERS

**ATTENTION:** If your attachment has control valves, cylinders, gearboxes, or motors and they are opened or disassembled, the **WARRANTY for that item WILL IMMEDIATELY BE VOIDED!**

**GEAR OIL STATEMENT:** If applicable in your attachment, check gear oil before each use:

**We recommend using 85-140 grade gear oil**, for use with all our gear boxes, and bearing housings which is separate from the hydraulic fluid used to move your attachment or machine.

(Exception: gear oil used in mulchers is Shell Omala S2 GX 150!)

**HYDRAULIC FLUID STATEMENT:** Check your machine's hydraulic level and add hydraulic fluid if necessary before each use. Inspect for leaks, and repair if necessary. **Always use your machine's manufacturer recommended hydraulic fluid in your machine!** Fluid must be clean and debris free. If damage occurs from debris in hydraulic fluid flowing from your machine to our attachment it will VOID the warranty on any cylinders, motors, couplers, manifolds &/or valves (relief, lock, selector, check and flow control) downline from that flow.

# SECTION 2

## SAFETY INFORMATION

The following terms may be used interchangeably throughout this manual.

Term	Alternate Terms Used
Snow Blower	implement, attachment, blower, snow blower
Machine	skid steer loader, skid steer tractor, loader, prime mover, host machine, tractor
Operator	user, personnel

The **Snow Blower Attachment** is designed and manufactured with safety in mind. However, improper use and operator error can result in death or serious injury. It is important that you read and fully understand the safety instructions and operating procedures presented in this manual before operating this attachment. Accident prevention is a combination of good judgment, common sense, awareness and proper training!



**BEFORE YOU OPERATE THIS SNOW BLOWER:**

KNOW how to safely operate your machine.

READ and UNDERSTAND the safety instructions and operating procedures contained in this manual.

ACKNOWLEDGE your understanding of all safety instructions presented in this manual by signing the “Safety Acknowledgment Form” at the end of this manual.

Although every effort has been made to ensure a safe product, every possible circumstance that could pose a potential hazard cannot be anticipated. The warnings presented in this manual and on this product, are therefore not all-inclusive.

In addition to the safety messages presented in this section, you must also read and understand the safety messages presented in the other sections of this manual.

This manual and the decals on this machine use safety symbols, hazard labels, pictograms and color coded signal words to alert you to potential hazards that may cause severe injury or death if a safety instruction is ignored.



**SAFETY ALERT SYMBOL** - This symbol is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

### HAZARD CLASSIFICATIONS

Hazards are identified by the “Safety Alert Symbol” and followed by the signal word “DANGER”, “WARNING”, or “CAUTION”.

#### **DANGER**

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.  
This signal word is limited to the most extreme situations.

#### **WARNING**

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

#### **CAUTION**

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

#### **NOTICE**



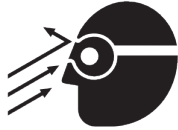





Indicates a situation which may cause damage to equipment or property.  
Messages are not related to personal injury.

#### **Safety Instructions**

Indicates specific safety-related instructions or procedures.

## 2.2 SAFETY SYMBOLS

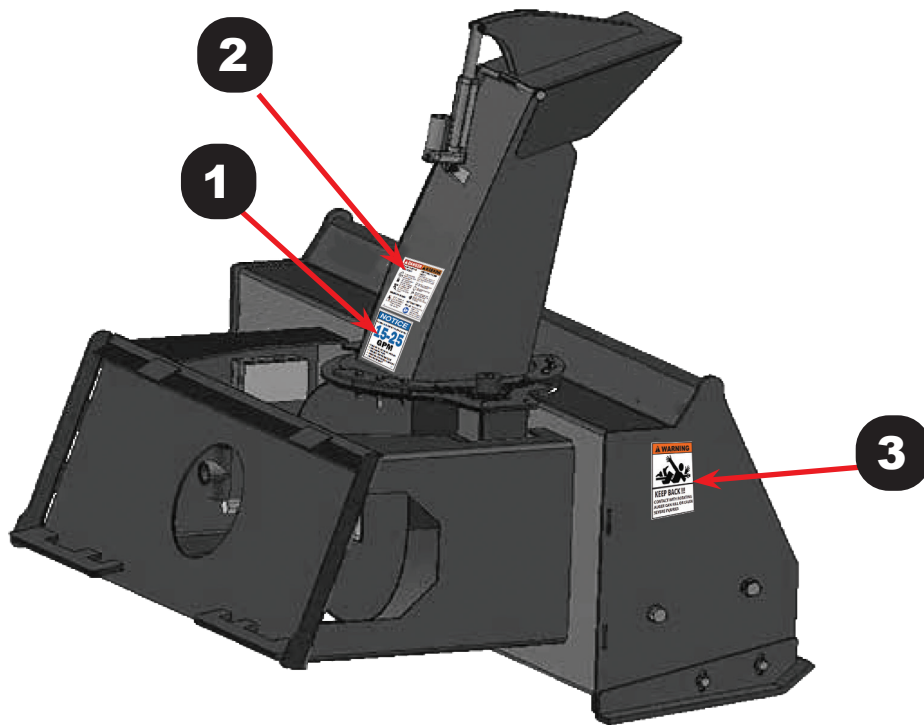
Pictograms are graphic symbols meant to alert you of a potential hazard. Read and understand the hazard description for each of these symbols.

Pictogram	Description
	<b>PINCH HAZARD:</b> Keep clear of machine and attachment to prevent death or serious injury from pinching of moving parts.
	<b>OPERATING MANUAL:</b> Operators must read and understand the safety instructions in the operating manual to prevent death or serious injury.
	<b>EYE PROTECTION &amp; CARDBOARD:</b> Operators and Maintenance personnel must wear proper eye protection and use cardboard or wood to investigate hydraulic leaks to prevent death or serious injury from being injected with high pressure hydraulic fluid.
	<b>HIGH PRESSURE FLUID INJECTION HAZARD:</b> Operators and Maintenance personnel must not place fingers or hands directly over a hydraulic leak to prevent death or serious injury from being injected with high pressure hydraulic fluid.
	<b>NO BYSTANDERS:</b> DO NOT operate this attachment near bystanders. Bystanders must stay back at least 100 feet from the attachment to prevent death or injury from flying objects.
	<b>CRUSH HAZARD:</b> DO NOT place any part of the body under the attachment or machine arms to prevent death or serious injury from being crushed.
	<b>ROTATING BLADE HAZARD:</b> DO NOT remove a clog in the displacement chute while the motor is running. Contact with rotating fan can amputate fingers and hands.
	<b>ENTANGLEMENT HAZARD:</b> STAY BACK from machine while in use. Contact with rotating auger could kill or cause serious injuries.

Safety warning decals are located on this attachment near immediate areas of potential hazards. Operators must learn the meaning of each decal and know where to find the decal on the attachment.



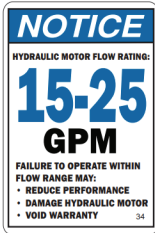
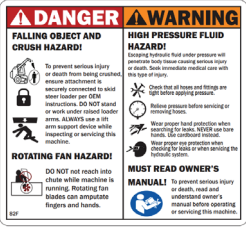

CONTACT YOUR LOCAL DEALER TO ORDER REPLACEMENT DECALS









## 2.3 SAFETY DECALS

The safety decals affixed to this attachment are to keep you safe. DO NOT ignore these decals.

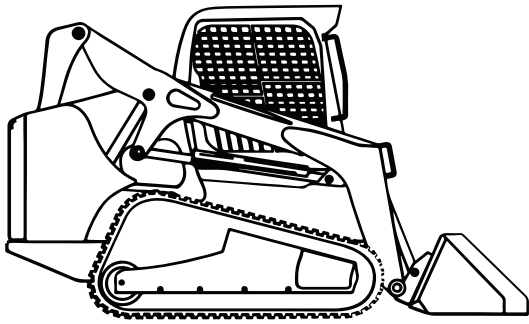
Read and understand each decal's safety message. Follow these Safety Decal Instructions:

REF	DESCRIPTION	LABEL	QTY
1	WARNING DO NOT EXCEED GPM LABEL		1
2	DANGER WARNING HAZARD LABEL		1
3	ENTANGLEMENT HAZARD CAUTION LABEL		2

*\*WHEN ORDERING, CHOOSE THE PROPER DECAL FOR YOUR MODEL*

-  Decals must be kept clean and legible at all times.
-  Operators must inspect the attachment for safety decals.
-  Replace missing, worn or damaged decals immediately.
-  When using a hot pressure washer to clean this attachment make sure water jet is not too close to the decal as this may cause the decal to peel.
-  When replacing parts, be sure safety decals are in place prior to using the attachment.
-  Make sure metal surface is dry and free of dirt and grease before affixing decals to this attachment.

## 2.4 SKID STEER LOADER REQUIREMENTS



Tracked

VS.



Wheeled

A Tracked Skid Steer or Compact Track Loader (CTL) will provide superior stability in this application.

Follow the operating instructions in your Skid Steer operator's manual.

**Machines must have impact resistant windshields, cab side windows, and doors.**

THE SNOW BLOWER Attachment should only be used on machines that meet the following requirements:

MACHINE REQUIREMENTS	
GPM	15-25

## 2.5 PERSONAL PROTECTIVE EQUIPMENT (PPE)

All operators should wear hearing protection, safety glasses, hand protection and dust mask while operating this attachment.



## 2.6 GENERAL SAFETY INSTRUCTIONS



**MAKE SURE YOU FOLLOW THE GENERAL SAFETY INSTRUCTIONS THAT RELATE TO THE OVERALL OPERATION AND MAINTENANCE OF THIS ATTACHMENT. IT IS IMPORTANT THAT YOU READ AND UNDERSTAND EACH OF THESE MESSAGES TO PREVENT SERIOUS INJURY OR DEATH.**

- ! NEVER use drugs or alcoholic beverages while operating or servicing this attachment.**
- ! DO NOT allow children to play on or around this attachment at any time. Store this attachment in an area not frequented by children.**
- ! ALWAYS operate this attachment during daylight or well-lit areas.**
- ! ALWAYS wear the proper personal protection equipment while operating or servicing this attachment. NEVER operate or service this attachment with bare feet, sandals, or other light footwear.**
- ! We recommend using a high strength clear protective door panel when using with this attachment.**
- ! ALWAYS wear work gloves when handling this attachment to protect your hands.**
- ! To prevent the machine and attachment from rolling forward, stop the engine and set the parking brake when exiting the machine.**
- ! ALWAYS use eye protection while operating or servicing this attachment.**
- ! Inspect attachment for loose or missing hardware prior to using this machine.**
- ! ALWAYS watch for overhead power lines.**
- ! DO NOT operate this attachment during lightning or severe weather conditions.**
- ! DO NOT place any part of your body under this attachment.**
- ! DO NOT allow riders on the machine or on this attachment.**
- ! NEVER operate this attachment when bystanders are within 300 feet of your work area. Falling material could cause serious injury or death.**
- ! ALWAYS call 811, the “Digger’s Hotline” before digging to identify underground utilities to avoid an accident that could result in Death or Serious Injury to the operator.**
- ! NEVER position your body or limbs under an unsupported attachment.**
- ! DO NOT speed! Speed Kills! Keep your driving speed between 2 and 5 mph.**
- ! DO NOT allow this attachment to contact buildings, utilities, large rocks or tree stumps or you may lose control of the machine.**
- ! NEVER put your fingers, hands, or feet in the chute or auger.**

## **2.7 FEDERAL LAWS & REGULATIONS**

### **IMPORTANT FEDERAL LAWS AND REGULATIONS CONCERNING EMPLOYERS, EMPLOYEES, AND OPERATORS**

This section is intended to explain in broad terms the concept and effect of the following federal laws and regulations. It is not intended as a legal interpretation of the laws and should not be considered as such.

#### **U.S. PUBLIC LAW 91-596 (The Williams-Steiger Occupational Safety and Health Act of 1970) OSHA**

##### **This Act Seeks:**

“ ... to assure so far as possible every working man and woman in the nation safe and healthful working conditions and to preserve our human resources...”

##### **Sec. S(a) Each Employer – DUTIES**

( 1) shall furnish to each of its employees employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious physical harm to its employees.

( 2) shall comply with occupational safety and health standards promulgated under this Act.

(b) Each employee shall comply with occupational safety and health standards and all rules, regulations, and orders issued pursuant to this Act which are applicable to his or her own actions and conduct.

##### **OSHA Regulations**

Current OSHA regulations state in part: “At the time of initial assignment and at least annually thereafter, the employer shall instruct every employee in the safe operation and servicing of all equipment with which the employee is, or will be involved.” These will include (but are not limited to) instructions to:

Keep all guards in place when the machine is in operation;

Permit no riders on equipment;

Stop engine, disconnect the power source, and wait for all machine movement to stop before servicing, adjusting, cleaning, or unclogging the equipment, except where the machine must be running to be properly serviced or maintained, in which case the employer shall instruct employees as to all steps and procedures which are necessary to safely service or maintain equipment.

Make sure no one is within 300 feet of machinery before starting the engine, engaging power, or operating the machine.

##### **EMPLOYEE MACHINE OPERATING INSTRUCTIONS:**

1. Securely fasten your seat belt if the machine has a ROPS.
2. Where possible, avoid operating the machine near ditches, embankments, and holes.
3. Reduce speed when turning, crossing slopes, and on rough, slick, or muddy surfaces.
4. Stay off slopes too steep for safe operation.
5. Watch where you are going, especially at row ends, on roads, and around trees.
6. Do not permit others to ride.
7. Operate the machine smoothly - no jerky turns, starts, or stops.
8. Hitch only to the drawbar and hitch points recommended by machine manufacturers.
9. When machine is stopped, set brakes securely and use park lock if available.

##### **Child Labor Under 16 Years Old**

Some regulations specify that no one under the age of 16 may operate power machinery. It is your responsibility to know what these regulations are in your own area or situation. (Refer to U.S. Dept. of Labor, Employment Standard Administration, Wage & Home Division, Child Labor Bulletin # 102).

### 3.0 UNPACKING YOUR SNOW BLOWER

# SECTION 3

## OPERATING PROCEDURES

Your attachment arrives from the factory strapped to a wood pallet and requires no final assembly.

Use a steel band cutting tool to remove the steel straps.

### CAUTION

Shipping straps are under great tension, and could lash out uncontrollably when cut causing injuries to your body or bystanders. Keep bystanders away and wear safety glasses and gloves while removing the steel straps.

### 3.1 PRE-OPERATING CHECKLIST

Pre-Operating Checklist	
<input type="checkbox"/>	Snow Blower is securely attached to the machine and pins are locked.
<input type="checkbox"/>	Hydraulic hoses are connected and locked to the host machine's hydraulic couplers with no signs of hydraulic fluid leaks present.
<input type="checkbox"/>	Snow Blower is in working condition and securely attached to the machine and all bolts and nuts are tight.
<input type="checkbox"/>	Safety labels are present and legible.
<input type="checkbox"/>	Snow blower fan, auger and cutting edge are not damaged and are free of obstructions and debris.
<input type="checkbox"/>	The area of operation is clear of bystanders and any obstacles that could damage the equipment or injury to the operator.
<input type="checkbox"/>	The operator has been trained to operate the machine, is of good health and not under the influence of any mind altering substances or alcohol.
<input type="checkbox"/>	Check the machine's hydraulic fluid level and add fluid if necessary. <i>Please refer to our "Hydraulic Fluid and Oil Statement" on Page 5 for gear oil or hydraulic fluid instructions.</i>

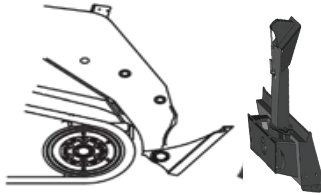
## 3.2 HOW TO CONNECT ATTACHMENT

### GENERAL ATTACHMENT METHOD

Refer to your machine operator's manual for specific instructions on how to connect and disconnect your attachment.

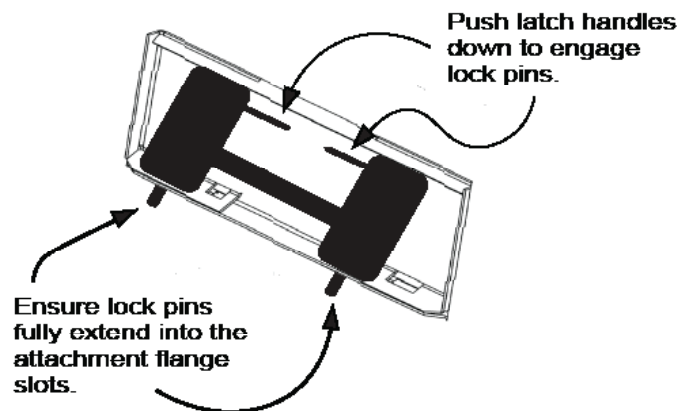
This attachment method refers specifically to skid steers. For all other attachment instructions, refer to the Original Equipment Manufacturer (OEM) for instructions.

1. Ensure the hydraulic lines are clear from the front side of the attachment bracket and that the levers on the skid steer Quick Attach Coupler are in the unlocked position.
2. Tilt the skid steer loader Quick Attach Coupler slightly down and drive forward to the rear of the snow blower until the top edge of the Quick Attach Coupler hooks under the lip of the attachment bracket. See *Example 1* below.
3. Slightly tilt the skid steer Quick Attach Coupler upward until the snow blower attachment bracket is flat against the skid steer Quick Attach Coupler. See *Example 1* below.



#### EXAMPLE 1 - QUICK ATTACH COUPLER LOCKED TO ATTACHMENT

4. Activate your skid steer's lever lock switch to lock the pins into the attachment bracket. If your skid steer does not have this switch, manually lock the pins as shown in *Example 2* below.



#### EXAMPLE 2 QUICK ATTACH COUPLER LOCKED TO ATTACHMENT BRACKET

### **! WARNING**

To avoid serious injury or death, ensure locking pins fully extend through the slots on the attachment bracket and that levers are down in the locked position to prevent attachment from detaching from skid steer.

## 3.2 HOW TO CONNECT ATTACHMENT

### NOTICE

To keep contaminants from entering the hydraulic system, use a clean cloth to wipe away dirt and grease from the hydraulic couplers.

5. Connect the attachment hydraulic hoses to the auxiliary supply couplers located on your skid steer loader lift arm.

### NOTICE

Check that hydraulic hoses are locked into the machine couplers before starting the attachment.

### NOTICE

If during your initial startup, you realize the snow blower auger operates in the opposite direction that you prefer, you can change positions of the quick disconnect couplers on the attachment hoses to remedy your problem.

---

## 3.3 CONNECTING ELECTRICAL HARNESS

### JOHN DEERE SPECIFIC INSTRUCTIONS

SCAN THE QR CODE FOR IN-  
STRUCTIONS ON HOW TO HOOK UP  
TO A JOHN DEERE.



Connect the 5-wire control harness from the attachment using the A or B Method as shown on page 17. A **universal, 7, 8, or 14 pin** pigtail harness adapter must be used to make this connection. When using the optional switch controller, make sure the ground wire is securely attached to the machine frame. Contact your local dealer for more information on how to connect the harness and controller.

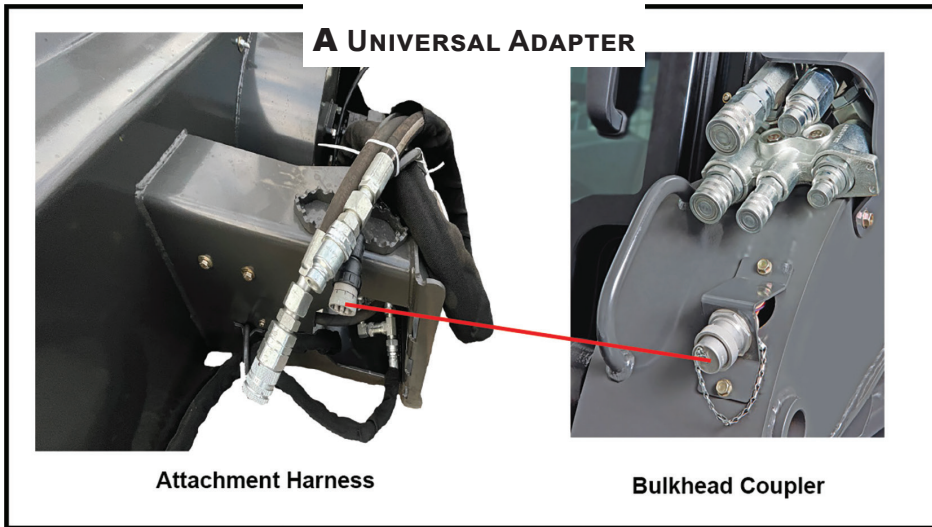
### SNOW BLOWER CONTROLS

Your snow blower is designed to run off the machine's auxiliary hydraulic system, and is activated and deactivated by a control in the operator's cab. The height and tilt functions of your snow blower are operated with the control handles or pedals in the cab.

Consult your machine operator's manual for instructions regarding these functions.



### 3.4 UNIVERSAL ELECTRICAL INSTALLATION



**B OPTIONAL UNIVERSAL SWITCH CONTROLLER**

### 3.5 UNIVERSAL CONTROLLER INSTALLATION

#### NOTICE

To prevent possible equipment damage, it is recommended that the universal controller is installed by a qualified technician who is familiar with your machine's electrical system.

1. Place the control box inside the machine cab and connect the red wire with the fuse to the machine operator presence system and the black wire to the machine's grounding system.

#### **! DANGER**

Ensure proper functionality of the machine's operator presence system. In the event that bypassing is necessary while utilizing a wiring harness, your use implies acknowledgment and acceptance of inherent risks to yourself and others. Your usage constitutes acceptance for full liability.

2. Route the control cable that extends from the right side of the controller box through the side of the cab and up to the back of the loader pivot arm, then down the arm to a point near the bulkhead coupler. Secure cable with plastic cable ties or velcro straps. *Note: Secure this cable using plastic cable ties along the inside of the loader arm to prevent cable from being snagged by tree branches or other debris.*
3. Check that the cable is free of tension when raising and lowering the machine loader arms.

### 3.6 SNOW BLOWER CONTROLS



Please refer to our “Hydraulic Fluid and Oil Statement” on Page 5 for gear oil or hydraulic fluid instructions.



#### HYDRAULIC FLOW REQUIREMENTS

**Make sure you are utilizing the proper auxiliary flow rate to match the attachment specifications.** (For older models, set the machine engine RPM to a speed that will produce the required flow. Your machine dealer can measure the flow available on your machine and recommend a throttle setting that is compatible with this attachment.)

#### NOTICE

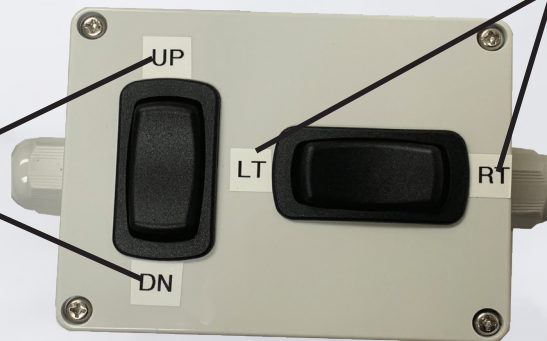
**DO NOT** exceed the designed flow rate (GPM) of your snow blower. Check the specifications table for your specific model’s max GPM.

To operate the snow blower controls the machines auxiliary hydraulic system must be activated. To control the chute you will use your machine’s auxiliary controller or the paddle controller attached to your leg.

**CHUTE ROTATES 180 DEGREES.**

**CHUTE ROTATION CONTROL**

**CHUTE DEFLECTOR-CONTROL (OPTIONAL)**



**PADDLE CONTROLLER**

#### **CAUTION**

Exercise extreme caution when adjusting the snow blower chute, as small rocks and debris can be ejected at high speeds over long distances. By using this attachment, you acknowledge and accept responsibility for its safe operation. The manufacturer shall not be held liable for any misuse or negligence associated with the use of this attachment.

### NOTICE

Before operating your attachment, check the hydraulic fluid level in the machine and add manufacturer recommended fluid if necessary.

Verify that hydraulic hoses are securely locked to the machine's hydraulic couplers before starting the attachment.

1. Set machine engine RPM to just above idle and flip the auxiliary hydraulic switch to the ON position.
2. With the machine engine RPM just above idle, activate the machine's auxiliary hydraulic system.
3. Increase engine RPM and check for abnormal vibrations or sounds.
4. Rotate the discharge chute in both directions 3 times. Chute should rotate freely.
5. Raise and lower chute deflector 3 times. Deflector should freely move up and down. (If optional chute actuator is installed.)
6. After 5 minutes, reduce engine RPM.
7. Turn off the auxiliary hydraulic system, set parking brake, turn off machine engine and exit cab.

### WARNING

To avoid serious injury by hydraulic fluid injection into your skin, never use your hand or other body parts to locate a hydraulic leak. Detect leaks with a piece of wood or cardboard.

8. Check the hydraulic fluid level in the machine, add manufacturer recommended fluid if necessary.
9. Inspect for loose hardware. Fix before continuing.
10. After performing the previous steps and all snow blower functions are working properly, the snow blower is ready for snow blowing operations.

### WARNING

Never operate this attachment in an enclosed work area. Exhaust fumes could result in serious injury or death. This attachment should be used in an open air environment.

## 3.8 SNOW BLOWER OPERATIONS

### ! WARNING

Using this attachment may create white-out conditions in the surrounding area. Remain vigilant of nearby power lines, people, vehicles, and any other obstacles that could potentially damage the machine or attachment.

### ! CAUTION

Enter and Exit the host machine on the right side when the snow blower attachment is connected. Hydraulic hoses can be a trip hazard.

### STARTING THE SNOW BLOWER

1. Inspect the work area and make sure it is free of any utilities, rocks, fence posts, barbed wire, rope, twine, and any other objects that could damage the machine or snow blower auger.
2. With the snow blower properly connected to the host machine, engage the snow blower with the machine's engine set to a low RPM.

### NOTICE

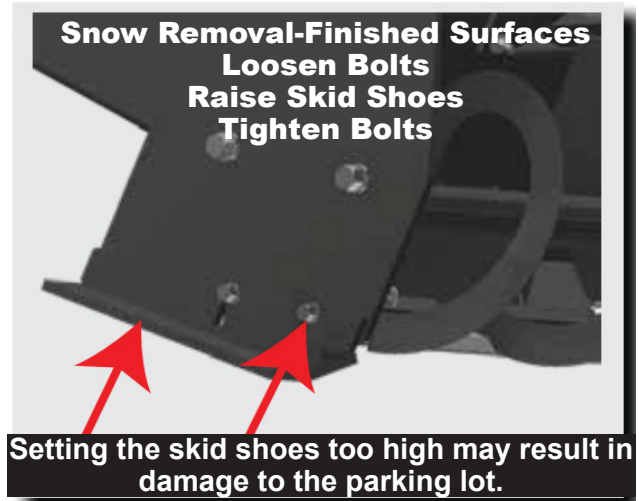
If the snow blower creates a vibration when ramping up to speed, turn off machine's auxiliary hydraulic system and shut down the engine. Investigate the cause of the vibration to avoid damage to the snow blower. See Troubleshooting Chart.

3. Raise the machine arms to lift the snow blower from the ground. Release the parking brake and drive to the work area.
4. Lower/tilt snow blower to desired position as follows: a) On the cutting edge to remove snow from asphalt or concrete; b) On shoe skids to remove snow from unfinished surfaces.
5. Remaining alert to bystanders and safety, rotate the chute to the area where snow will be thrown.
6. Increase engine RPM to max. Drive forward and adjust speed as needed.



**CAUTION: Small rocks or debris could be projected from the chute causing injury to bystanders or damage to objects in its path.**

### 3.8 SNOW BLOWER OPERATIONS CONT.



#### SNOW BLOWING TIPS

1. To blow snow to the left or right sides of the work area, begin snow blowing with the snow blower positioned in the center of the work area and rotate the discharge chute 90 degrees to the right or left. Drive forward from one end to the other making right hand turns at each end. Note: Discharge chute does not have to change direction at each pass.
2. To blow snow to one side of a work area, begin snow blowing at the opposite end of the snow discharge area. Drive forward to the end of work area then turn in the direction of the snow discharge area. Rotate the discharge chute 180 degrees at the end of each pass to keep the snow in the discharge area.
3. Adjust your speed according to the depth and thickness of the snow. Use lower speeds in deeper snow to prevent overloading the snow blower.
4. When removing deep snow (deeper snow than snow blower housing), several passes with the snow blower adjusted to different heights will be necessary.

---

### 3.9 SNOW BLOWER SAFETY

#### **! WARNING**

To avoid a roll over accident which may result in serious injury or death, DO NOT operate the machine and attachment on uneven terrain or a sloped surface greater than 10 degrees. Keep the attachment as close to the ground as possible to prevent compromising the center of gravity and causing a roll over.

#### **! CAUTION**

To avoid injury from flying debris or rocks being thrown back at the operator, never operate this attachment with bystanders nearby or machine arms raised at or above eye level of the operator.

## **3.9 SNOW BLOWER SAFETY CONT.**

### **SAFETY PRACTICES**

1. ONLY OPERATE IN WELL LIT WORK AREAS
2. NEVER OPERATE DURING SNOW STORMS, FOG OR OTHER ADVERSE WEATHER CONDITIONS WHERE VISION IS IMPAIRED.
3. DO NOT OPERATE NEAR STEEP EDGES OR DROP OFFS.
4. WATCH FOR VEHICLES AND PEDESTRIANS ON HIGHWAYS, ROADS AND PARKING LOTS.
5. DO NOT OPERATE ON FROZEN LAKES, CREEKS, RIVERS, OR PONDS.
6. ENSURE WORK AREA IS CLEAR OF OBJECTS THAT MAY BE DISCHARGED AND MARK ALL OBSTACLES. BE AWARE IN HEAVY SNOWFALL, OBJECTS CAN BE COMPLETELY HIDDEN BY THE SNOW. THERE IS NO WARRANTY COVERAGE FOR HITTING UNSEEN OBJECTS.
7. BEFORE STARTING BLOWER, REMOVE ANY ICE BUILDUP FROM FAN/AUGER.
8. DO NOT ATTEMPT TO UNCLOG SNOWBLOWER WITH THE ENGINE RUNNING. TURN OFF AUXILIARY HYDRAULICS, TURN OFF MACHINE ENGINE, AND ALLOW ROTATING PARTS TO STOP BEFORE UNCLOGGING.

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## **3.10 HOW TO DISCONNECT ATTACHMENT**

### **DISCONNECTING ATTACHMENT**

1. Turn off auxiliary hydraulic circuit; relieve hydraulic pressure.
2. Park machine on a flat and level surface then lower snow blower to the ground.
3. Set parking brake and disengage lock pins using the lock lever switch (if installed).
4. Turn off machine engine.
5. Disconnect hydraulic hoses.
6. Pull latch handles to disengage lock pins.
7. Re-enter cab and start machine engine.
8. Tilt mounting coupler forward until Quick Attach Coupler is free from mounting bracket.
9. Drive machine backward to clear attachment.

# SECTION 4

## MAINTENANCE PROCEDURES

The maintenance procedures described in this manual should only be carried out by qualified mechanics who have been trained to repair this attachment.

Some procedures require special tools and skills to complete. **DO NOT** attempt to repair or perform service work on this attachment unless you have the skills and tools to do so. Contact your local dealer for maintenance and repair services.

### WELDING REPAIRS

Welding on attachments must be performed by certified welders who have requested and obtained written approval from an authorized representative of the manufacturer before welding begins.

All authorized welding repairs must be performed by qualified welders in accordance to the American Welding Society (AWS) standards. Welding procedures performed by unqualified welders may deem this attachment unsafe to operate and **VOID THE WARRANTY!**

### WARNING





#### PARTS

Only use genuine Original Equipment Manufacturer (OEM) replacement parts. We will not be liable for any damages or injuries caused by the use of after market parts on this attachment.




### NOTICE

Improper maintenance or modifications to the design or performance of this attachment will void the warranty. **ONLY** use genuine OEM replacement parts on this attachment.

Obey the following safety instructions when servicing or repairing this attachment.

-  **Wear proper Personal Protective Equipment (PPE) while working on this attachment, which may include safety glasses, hard hats, steel toe boots, gloves, etc.**
-  **If servicing is performed while the snow blower is attached to the machine, turn engine off, set parking brake and chock wheels to prevent machine from moving.**
-  **Ensure all jack stands, lifts and hoists are in good working condition and have the rated load capacity to support the load.**
-  **Wear a welding helmet when welding to protect your eyes, face and neck from flash burn, ultra-violet radiation and heat.**

## 4.0 MAINTENANCE OVERVIEW CONT.

-  Only perform service work in a well-lit area.
-  Allow the attachment to cool down before servicing this machine.
-  **NEVER** work under an unsupported attachment.

## 4.1 MAINTENANCE SCHEDULE

This **SNOW BLOWER** attachment will provide years of dependable service if routine maintenance procedures are performed. The maintenance tasks listed below are based on normal operating conditions. More frequent maintenance may be necessary with intense use or when operating in adverse environmental conditions.

MAINTENANCE TASK	BEFORE EACH USE	WEEKLY	YEARLY
Check host machine's hydraulic fluid level. Add manufacturer recommended fluid as necessary. <i>Please refer to our "Hydraulic Fluid and Oil Statement" on Page 5 for gear oil or hydraulic fluid instructions.</i>	<b>X</b>		
Check that all fasteners (nuts, bolts, washers, pins, keepers) are in place. Tighten as necessary before each use.	<b>X</b>		
Inspect and replace any worn, torn, or missing safety decals.	<b>X</b>		
Inspect hydraulic hoses and connectors for damage or leakage. Repair or replace hydraulic items as necessary.	<b>X</b>		
Check and remove ice or debris from chute.	<b>X</b>		
Wash snow blower thoroughly to remove dirt, debris, salt, and corrosive chemicals.		<b>X</b>	
Lubricate with Lithium #2 Grease.		<b>X</b>	
Check the condition of the auger by raising the snow blower attachment off the ground to a 90 degree angle for inspection*. Replace or repair tines as needed <i>*Make sure to apply a lift arm lock.</i>		<b>X</b>	
Check attachment for major scratches & dings. Sand and repaint these areas to prevent rust damage. <i>*Use formulated for farm equipment which can be found at your local hardware store.</i>			<b>X</b>

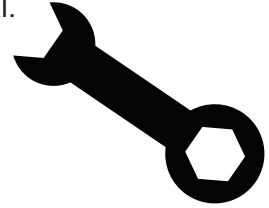


## 4.2 MAINTENANCE LOG INSTRUCTIONS

Document all maintenance and service activities performed on this attachment using the maintenance log sheets included at the end of this manual.



### MAINTENANCE LOG



#### 10. MAINTENANCE

#### MAINTENANCE LOG

DESCRIPTION OF MAINTENANCE/REPAIR	SERVICED BY:	DATE:
<i>Replace Filter Blades</i>	<i>Joe Smith</i>	01/24/24
<i>Inspect Hydraulic Plumbing</i>	<i>Joe Smith</i>	02/25/24
<i>Change Oil in Bearing Housing</i>	<i>Joe Smith</i>	04/24/24

## 4.3 STORAGE TIPS

To get years of quality use out of your attachment, follow these tips when storing your attachment for the season:

	<p>Ensure attachment is free of debris, dirt &amp; salt. Completely disassemble Chute at the end of each season and wash with a cleaner. Allow to dry thoroughly. Lubricate as instructed.</p>
	<p>Store your attachment in a dry shed or garage.</p>
	<p>When storing your attachment for the season, cover with a weather proof tarp to protect it from the elements.</p>


## 4.4 TORQUE SPECIFICATION TABLE AND INSTRUCTIONS

### BOLT TORQUE INSTRUCTIONS

1. Apply and maintain proper torque on all bolts.
2. Torque values are based on lubricated values. **Do not grease or oil bolts.**
3. Wipe bolts clean and use Loctite 635 or equivalent before tightening bolts. May need curing activator.
4. Use a torque wrench to assure the proper amount of torque is being applied to the bolt.
5. **MUST CURE 72 HOURS BEFORE USE TO PREVENT LOOSENING OF BOLTS.**

### TORQUE VALUES

#### SAE GRADE 8

	DRY lb.-ft.	LUBRICATED lb.-ft.
1/4"	12	9
5/16"	24	18
3/8"	45	35
1/2"	110	80
3/4"	380	280
7/8"	600	450
1"	910	680
1 1/4"	1820	1360
1 1/2"	3162	2688

## 4.5 TORQUE EQUIPMENT REQUIREMENTS

### TOOLS & EQUIPMENT REQUIREMENTS

To complete the maintenance procedures described in this section, you may need the following tools:

- 1/2 inch drive breaker bar
- 3/4 inch impact socket
- 1/2 inch impact socket
- Tapping Hammer
- 1/2 inch drive torque wrench
- Nylon pry bar set
- Safety stands
- **Loctite 635 or Equivalent-MUST CURE 72 HRS**
- Lifting device (overhead crane hoist, forklift)



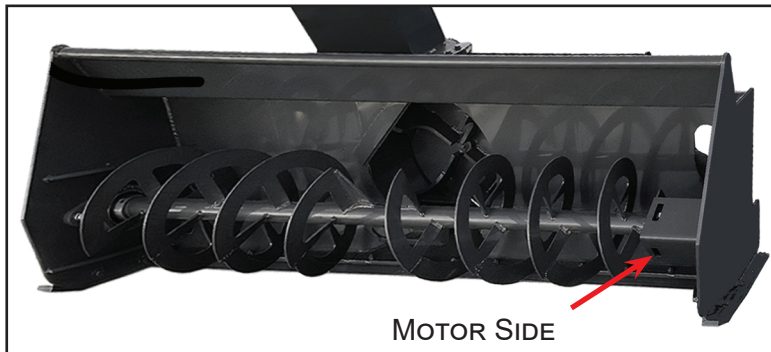
#### NOTE:

When removing bolts with Loctite, it will be necessary to apply localized heat of at least 250 degrees Celsius or to 482 degrees Fahrenheit to loosen bolts.

**LOCTITE 635 TECHNICAL SPECIFICATIONS FOR BONDING, CURING, REMOVAL AND INSTALLATION CAN BE FOUND HERE:**  
<https://next.henkel-adhesives.com/>

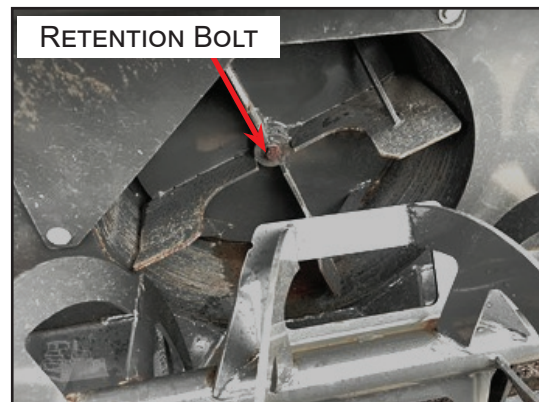
### AUGER REPLACEMENT

1. Using the machine controls, position the attachment on the ground or other safe and stable spot to access the tine hardware on the rotator shaft.
2. Power off machine and place in engine lockout on the host machine.
3. Loosen and remove bearing bolts.
4. Loosen up the set screw on the motor side to slide the auger out.
5. Put new auger into position.
6. Line up the splines on the motor side to the motor shaft.
7. Put the bearing back on the auger.
8. Bolt bearing into position and tighten set screw.



### SNOW BLOWER FAN REPLACEMENT

1. Using the machine controls, position the attachment on the ground or other safe and stable spot to access the tine hardware on the rotator shaft.
2. Power off machine and place in engine lockout on the host machine.
3. Refer to “*Snow Blower Auger Replacement*” above on how to remove the auger.
4. Remove the bolts on the fan retention plate and remove the plate.
5. Remove the one retention bolt that holds the fan to the blower motor shaft. See Example.
6. Slide the fan forward to remove.
7. Replace with new fan.
8. Put the fan retention plate in place and bolt it in place.
9. Put auger back as outlined in “*Snow Blower Auger Replacement*”.

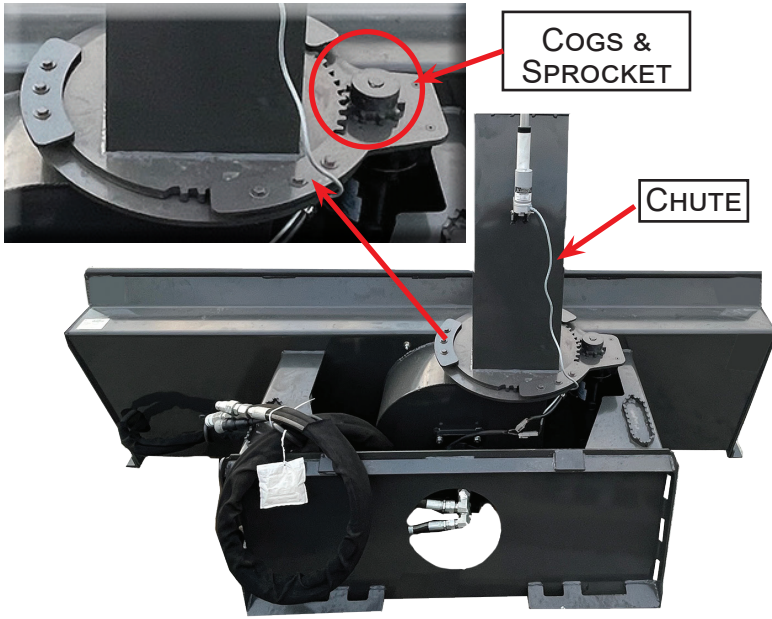


### **!** DANGER

ONLY service the attachment on stable, even terrain. NEVER park on sloped terrain to avoid being struck and killed or seriously injured by the unexpected rolling or movement of the machine.

## 4.6 SNOW BLOWER CARE CONT.

### CHUTE DISASSEMBLY & REPLACEMENT



1. Using the machine controls, position the attachment on the ground or other safe and stable spot to access the chute.
2. Power off machine and place in engine lockout on the host machine.
3. Remove the bolts that hold the chute and remove chute.
4. Clean steel plate thoroughly then lube ALL contact points between the chute and the base.
5. Place the new chute while paying attention that the cogs align with the sprocket.
6. Once the chute is aligned, insert bolts & tighten around the base making sure it stays in position. Torque the bolts to the recommended torque.
7. Inspect the holders the bolts are tightening, that they do not clamp the chute too tightly OR too loosely and verify the chute can still turn.
8. Check to make sure ALL contact points at the bottom of the chute are lubricated!



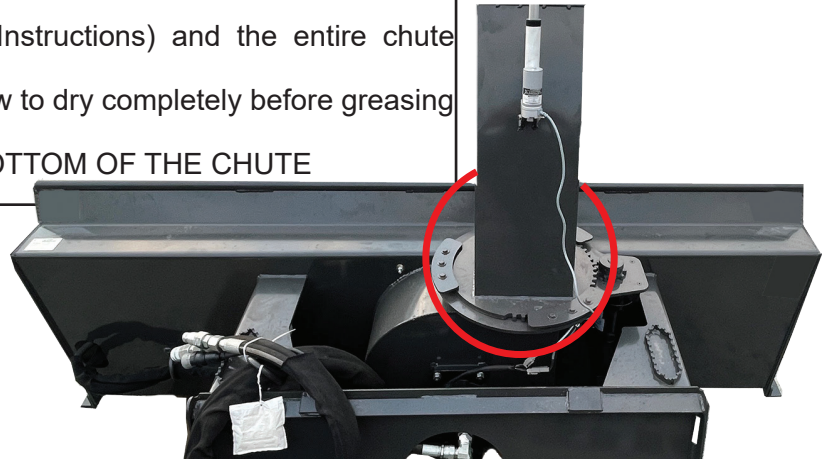
## 4.6 SNOW BLOWER CARE CONT.

### WASHING SNOW BLOWER



Since the snow blower comes in frequent contact with salt and corrosive chemicals, it is **HIGHLY** recommended that you wash your snow blower attachment with a cleaner at least every week to **PREVENT RUST!** You can use dish soap or any other soap formulated for road grime.

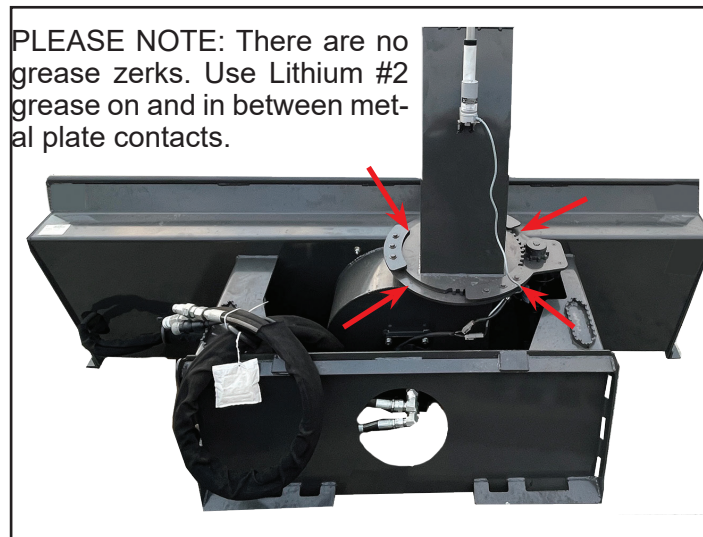
At the end of each season, the snow blower chute **MUST BE DISASSEMBLED COMPLETELY** (See *Chute Disassembly* for Instructions) and the entire chute washed thoroughly with cleaner and water. Allow to dry completely before greasing **ALL CONTACT POINTS AT THE BOTTOM OF THE CHUTE**



### LUBRICATING SNOW BLOWER

It is crucial that you grease your chute as recommended to prevent it seizing up from rust due to all the salt and corrosive chemical exposure.

PLEASE NOTE: There are no grease zerks. Use Lithium #2 grease on and in between metal plate contacts.



# SECTION 5

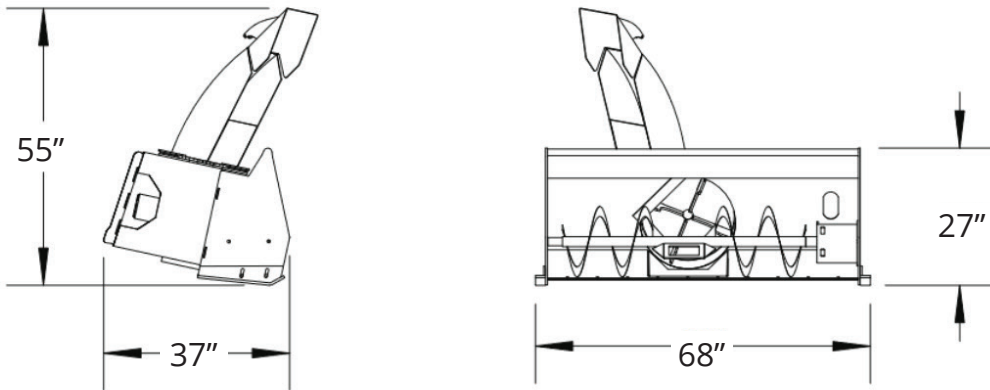
## TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Snow Blower does not run.	<ol style="list-style-type: none"> <li>1. Auxiliary hydraulics not activated.</li> <li>2. Hydraulic hoses not properly attached to machine couplers.</li> <li>3. Low hydraulic fluid.</li> <li>4. Machine hydraulic pump is damaged</li> <li>5. Snow blower auger or fan is blocked by debris..</li> </ol>	<ol style="list-style-type: none"> <li>1. Activate the auxiliary hydraulic system..</li> <li>2. Ensure hose ends are completely engaged into couplers.</li> <li>3. Add hydraulic fluid to machine hydraulic reservoir.</li> <li>4. Contact Dealer.</li> <li>5. Remove Debris. Check for ice; thaw and remove</li> </ol>
Chute/Deflector does not work.	<ol style="list-style-type: none"> <li>1. Control harness not connected, damaged or improperly wired.</li> <li>2. No electrical power to the electric motor and/or linear actuator.</li> <li>3. Chute/Deflector is frozen from ice or snow buildup.</li> <li>4. Broken electrical motor or actuator.</li> </ol>	<ol style="list-style-type: none"> <li>1. Connect harness and/or replace damaged harness.</li> <li>2. Check for power at the electrical motor and linear actuator.</li> <li>3. Clear ice &amp; snow from chute/deflector <b>WARNING: NEVER clear ice or snow with your hands and NEVER while running.</b></li> <li>4. Replace motor or actuator.</li> </ol>
Snow Blower runs poorly.	<ol style="list-style-type: none"> <li>1. Auxiliary hydraulic fluid flow is too low or engine RPM insufficient.</li> <li>2. Air in the hydraulic lines.</li> <li>3. Hydraulic hoses are pinched or kinked.</li> <li>4. Obstruction in the hydraulic system.</li> <li>5. Auger or fan is obstructed.</li> <li>6. Machine travel speed is too high</li> </ol>	<ol style="list-style-type: none"> <li>1. Ensure the machine hydraulic flow rate and engine RPM matches the snow blower's required flow.</li> <li>2. Bleed air from the hydraulic system. (See machine manual.)</li> <li>3. Check where the hoses are pinched &amp; straighten as necessary. <b>WARNING: Detect leaks with cardboard to prevent serious injury.</b></li> <li>4. Flush Hydraulic System. (See machine manual).</li> <li>5. Remove Debris. Check for ice; thaw &amp; remove as necessary. <b>WARNING: NEVER clear ice or snow with your hands and NEVER while running.</b></li> <li>6. Reduce travel speed to allow blower to discharge snow.</li> </ol>

# SECTION 6

## SPECIFICATIONS

X-treme Snow Blower Specs



# SECTION 7

## PARTS INFORMATION

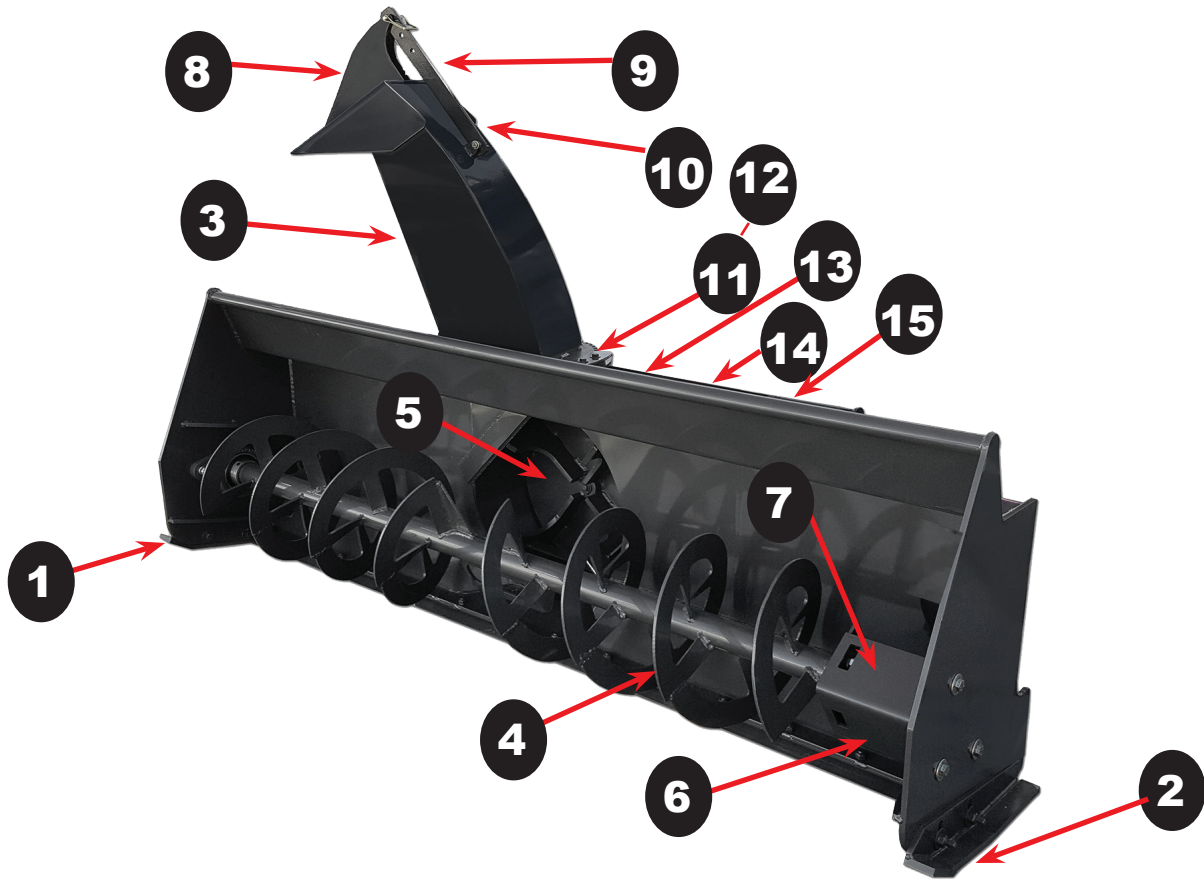
Factory OEM parts specifically designed for your attachment are readily available.

For hassle free service and to ensure you receive the correct parts for your attachment, please provide your dealer with the following information:

<b>Model Number</b>	
<b>Serial Number</b>	
<b>GPM Requirements</b>	
<b>Date of Owners Manual (Bottom Left Corner of Cover Page)</b>	
<b>Parts Diagram Page Number</b>	
<b>Part Description</b>	
<b>Reference #</b>	
<b>Quantity Desired</b>	
<b>Ship To Information</b>	
<b>Bill To / Payment Information</b>	

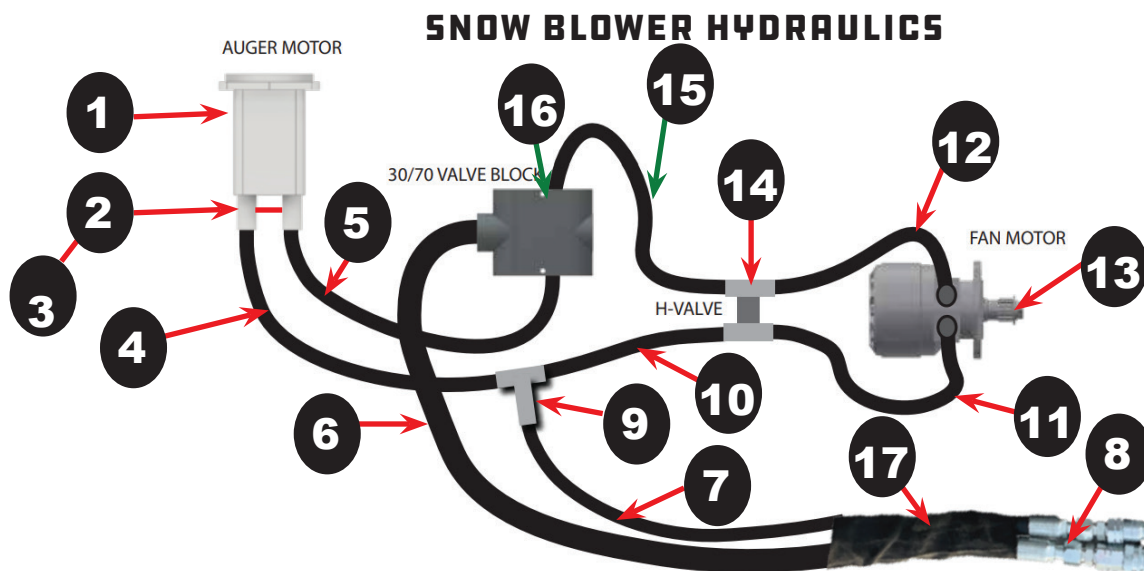


## 7.1 SNOW BLOWER PARTS DIAGRAM



Ref. No	Part Description	Qty
1	Sblow-Foot-R	1
2	Sblow-Foot-L	1
3	Sblow-Chute-Welded Assembly	1
4	Sblow-Auger>(*Size Varies)	1
5	Sblow-Fan-Welded Assembly	1
6	Sblow-Auger-Motor Cover	1
7	Sblow-Auger-Motor (CID 0114)	1
8	Sblow-Chute Flap	1
9	Sblow-Manual Adjustment Arm* <i>As Shown</i>	1
10	Sblow-Linear Actuator (Optional) <i>*Not Shown</i>	1
11	Chute Rotator (Electrical Motor)	1
12	Chute Rotator Sprocket	1
13	Sblow-Fan Motor (CID 3031)	2
14	Hose Kit (Noted on Next Page)	1
15	Wiring Kit (Varies)	1

## 7.2 SNOW BLOWER HYDRAULICS PARTS DIAGRAM



Ref. No	Part Description	Qty
1	Snowblower Auger Motor (CID0114)	1
2	Straight Fitting-6400-8-10	2
3	45 degree fitting-6502-8-8	2
4	47" 1/2" Auger Motor Hose	1
5	42" 1/2" Auger Motor Hose	1
6	6.5' 3/4" Machine Hose	1
7	6' 3/4" Machine Hose	1
8	1/2" Flat Face Couplers with 3/4" JIC to 1/2 SAE O-Ring Adapter	2
9	3/4" JIC Tee	1
10	4.5" Hose- 1/2" Hose from 3/4" Tee to 1/2" Tee (H-Valve)	1
11	4.5" Hose- 1/2" Hose from 3/4" 90 Degree Adapter to 1/2" Tee (Blower Motor to H-Valve)	1
12	4.5" Hose- 1/2" Hose from 3/4" 90 Degree Adapter to 1/2" Tee (H-Valve to Blower Motor)	1
13	Blower Motor (CID3031)	1
14	(QTY 1)- 1/2" Check Valve, (QTY 2)- 1/2" JIC O-Ring Tees, (CID6808) H-Valve Assembly	1
15	17" 1/2" Hose (H-Valve to Splitter Valve Block)	1
16	30/70 Splitter Valve Block (CID3170)	1
17	5' Protector Sleeve	1

**⚠ WARNING** Make sure H-Valve flows are being directed in the correct direction. Note Arrow on H-Valve for proper direction.

# SECTION 8

## WARRANTY INFORMATION

### LIMITED WARRANTY

Construction Implements Depot, Inc. (CID) products are warranted to be free from defects in workmanship or materials for a period of 12 months from the initial sale.

### WARRANTY EXCLUSIONS

This warranty does not cover normal wear items, including but not limited to: bearings, hoses, blade holders, ground engaging parts such as teeth, blades, cutting edges, pilot bits, auger teeth and broom bristles. This warranty does not cover maintenance, service or adjustments. This warranty does not cover damage due to improper application or installation, misuse, negligence, accidents or improper maintenance. Please note: Any modification or customization made to your attachment may void its warranty. This warranty is void if any components have been disassembled, i.e., pumps, gear boxes or motors or the attachment has been used without the case drain attached (if applicable). Be sure to follow all recommended Horsepower and GPM requirements as outlined in product specifications, in order to prevent the warranty from being void. This warranty is contingent upon the use of approved BRAND parts exclusively. Any use of non-approved parts may result in voiding the warranty. Please be advised that the warranty does not cover refurbished attachments. Specially modified attachments built by the manufacturer to meet your needs shall not be warranted by CID, Inc.

### REPAIRS UNDER WARRANTY

**Any repairs, including welding, on attachments must be performed by certified repair technicians who have requested and obtained written approval from an authorized representative of CID before repairs begin.** If you are completing the repair, you must also have prior written approval to prevent the warranty from being voided.

### WARRANTY STATEMENT

Our obligation under this Limited Warranty shall be solely limited to repairing or replacing any part (see non-covered items above) that, according to our judgment, show evidence of a defect in quality of workmanship or materials for the stated 12 month warranty period. All defective parts must be routed directly to CID, Inc. with freight or delivery charges to be prepaid. This limited warranty shall not be interpreted to render CID, Inc. liable

## **8.0 WARRANTY INFORMATION CONT.**

for any injury or damage to persons, businesses or property of any kind nor expenses or losses incurred for labor, supplies, substitute machinery rental or for any other reason. Repair or replacement parts are subject to the supply conditions at the time of repair or replacements, which may directly affect our ability to obtain material and/or replacement parts. CID, Inc. reserves the right to make improvements in design or changes in specifications at any time without incurring any obligations to owners of previously purchased products. No one but CID, Inc. is allowed to alter, modify or enlarge this warranty nor the exclusions, limitations and reservation at any time. CID, Inc. products are warranted to be free from defects in workmanship or materials for a period of 12 months from the initial sale.

*Purchaser and Manufacturer hereby (a) submit to the non-exclusive jurisdiction of the courts of competent jurisdiction in North Carolina and Davidson County in which this company resides for resolution of any dispute concerning this Limited Warranty or the rights or obligations of Purchaser and/or Manufacturer; (b) agree that any litigation in connection with this Limited Warranty shall be venued in North Carolina and Davidson County in which the company resides and (c) waive any objection they may have as to any such action or proceeding brought in such court that such court is an inconvenient forum. Nothing herein shall limit the right of Purchaser or Manufacturer (or the right of any permitted successor or assign of either) to bring proceedings against the other in the courts of any other jurisdiction wherein any assets of such other party may be located.*

---

## **8.1 WARRANTY RETURN AUTHORIZATION POLICY**

### **WARRANTY RETURN AUTHORIZATION POLICY:**

If repairs are required, a Return Material Authorization (RMA) number must be obtained for the defective part as well as proof of purchase. RMA and services are rendered by CID only. Any responsibility of shipping costs on any item returned for repair is at the discretion of CID, Inc.

All returned parts must have the following:

1. A legible RMA number written on the outside of the package.
2. Warranty Claim Form (online)
3. The defective part.

RMA numbers are only valid for 30 days from the date of issue. All shipped replacement parts will require a Parts Order (PO) number from the original CID, Inc dealer. Repairs not covered by the warranty, will be charged for parts and labor at the current pricing rate. Should you have any problems with your attachment, please follow the instructions listed on the following page.

## 8.2 WARRANTY PROCEDURE

### WARRANTY RETURN AUTHORIZATION PROCEDURE:

1. Call the Warranty Department at (336) 859-2002 EXT 215. You will need to provide the model and serial number of the defective item(s) (see Appendix for where to find this information), a description of the problem, and have photographs available.
2. Upon a warranted issue, visit [www.cidattachments.com](http://www.cidattachments.com), click on the warranty tab, and fill in the warranty information on the Warranty Claim Form.. CID, Inc will retain a Return Material Authorization (RMA) number of the defective part. If all the information above is completed CID, Inc will issue a RMA number via email..
3. Once you have an approved RMA number, a shipping label will be provided with CID's address and instructions for returning the defective part. **Appropriate RMA's/PO's will be invoiced and payment received while the evaluation process is being completed to prevent delays in your normal business operations. In the event the defective part(s) is un-warranted and repairs are not covered by the warranty, the customer will be invoiced for any additional parts and labor at the current pricing rate. If the part is deemed under warranty, a credit of the invoice will be issued.**
4. CID will ship a replacement part to the provided location or customer with a RMA identifier of some kind. **The customer is responsible for initial shipping charges until evaluation of the part has been completed.** If the part failure is covered by the warranty, the customer will be reimbursed for any paid shipping charges. In the event, the part is not covered by the warranty, the customer is responsible for return shipping.
5. Once the defective part is warranted by CID, the customer will be issued a credit and the PO number will no longer be active.
6. In the event CID decides that the attachment needs to be returned to them for repair, CID will make arrangements for pickup and return. Repairs will be performed by CID qualified technicians. Non-warranted issues will be discussed, and repairs will be performed upon the owner's agreement and receipt of payment for parts and labor.

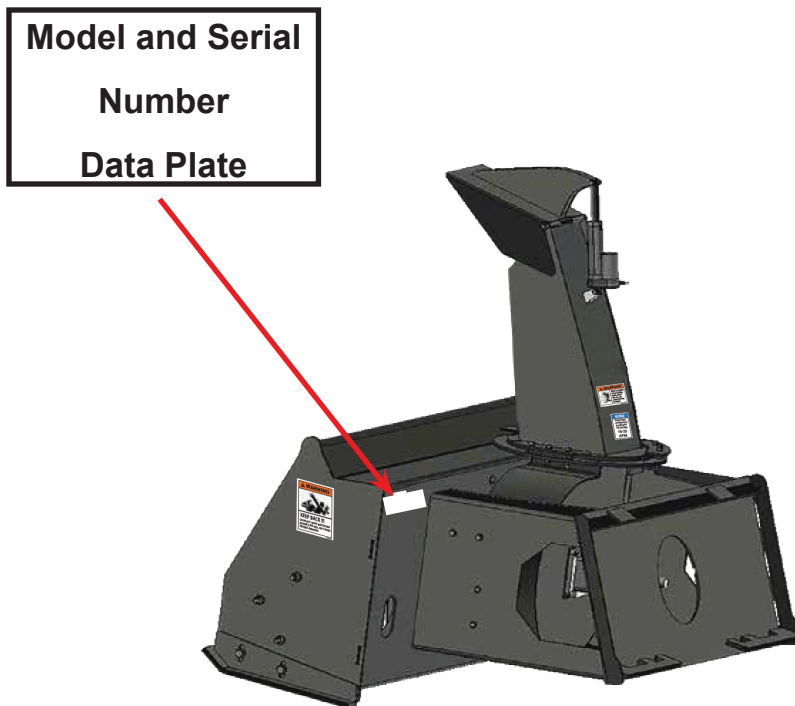


## APPENDIX A FINDING YOUR MODEL AND SERIAL NUMBER

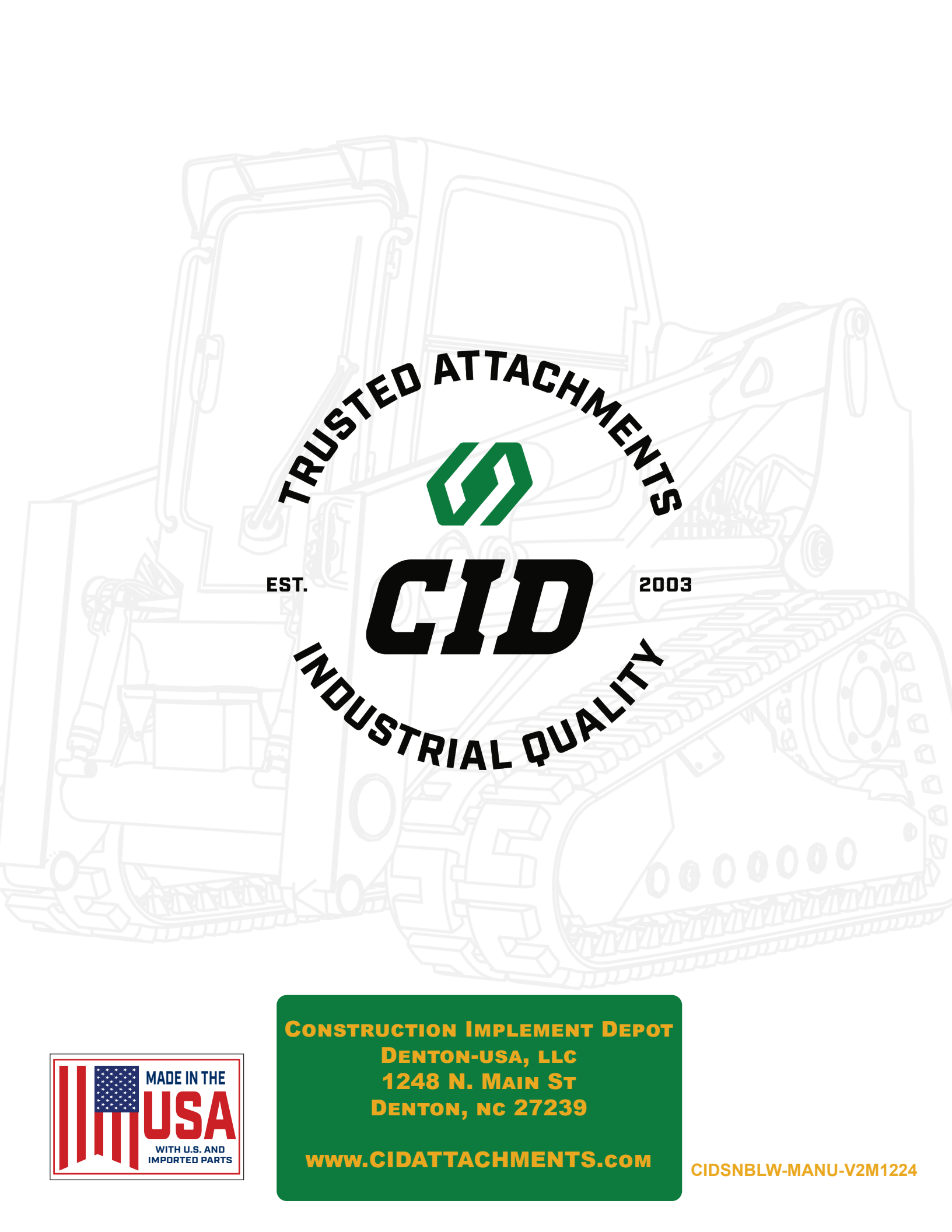
The Model and Serial numbers will  
either be etched into the attachment or on a Data Plate.

**Instructions: Stand at the back of the attachment facing the attachment mounting bracket and look in the following locations:**  
**Top of the attachment plate-left side.**

PLEASE NOTE: The Model and Serial number may be etched or on a Data Plate.



Disclaimer: Any critical changes made to this manual by individuals outside the manufacturer's authorized personnel are doing so at their own risk. The manufacturer cannot be held legally responsible for any consequences, damages, or liabilities resulting from such modifications. It is advised to adhere strictly to the original manual provided by the manufacturer for optimal performance, safety, and reliability.



**TRUSTED ATTACHMENTS**



**EST.**

**CID**

**2003**

**INDUSTRIAL QUALITY**



**CONSTRUCTION IMPLEMENT DEPOT  
DENTON-USA, LLC  
1248 N. MAIN ST  
DENTON, NC 27239**

**[www.CIDATTACHMENTS.com](http://www.CIDATTACHMENTS.com)**

**CIDSNBLW-MANU-V2M1224**