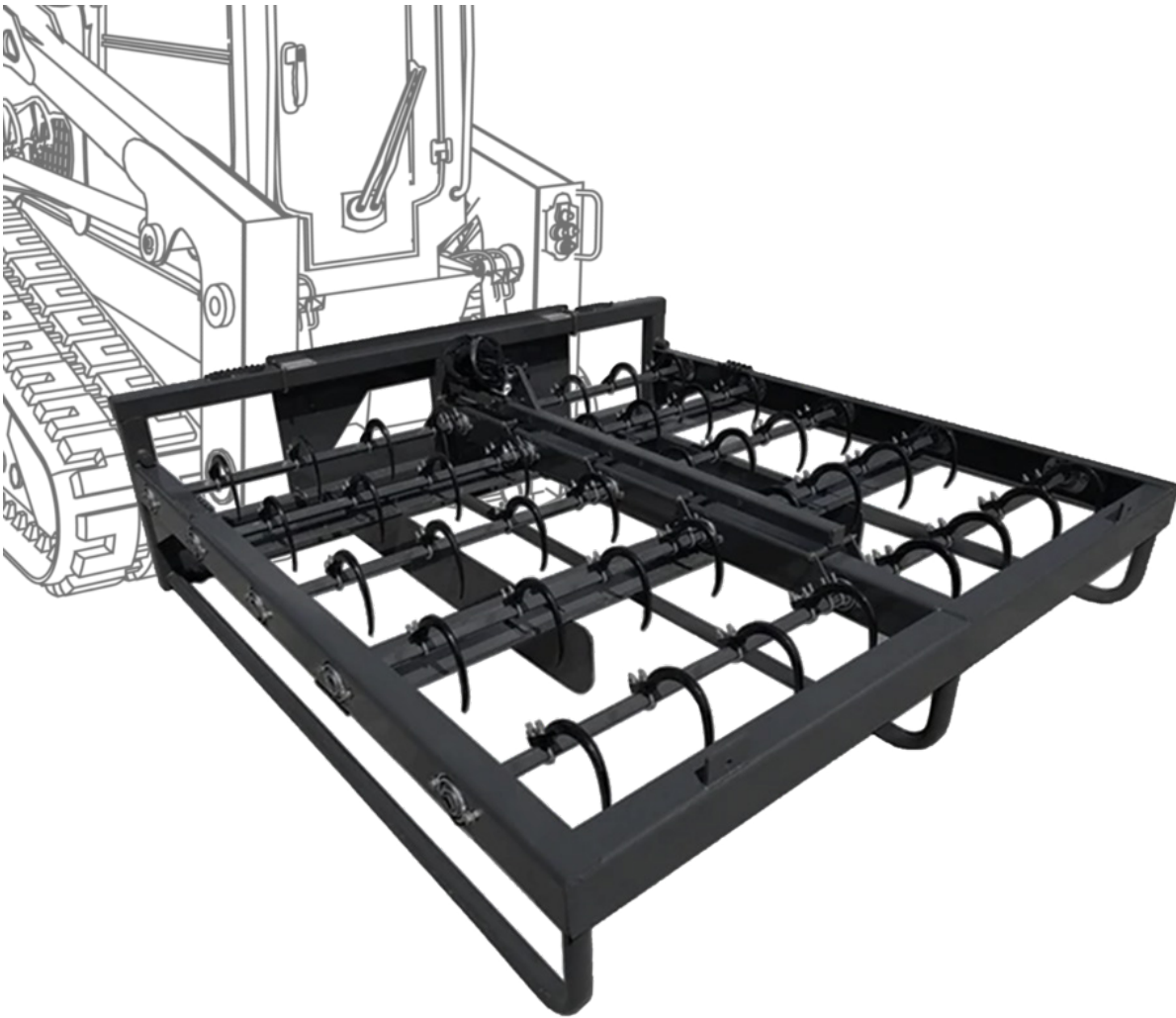




ATTACHMENTS

HAY ACCUMULATOR



OWNER'S MANUAL

JUN
2026

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

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 specific purpose of hauling hay. 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.

Sincerely,

CID Attachments



TABLE OF CONTENTS

INTRODUCTION	3
WARRANTY DISCLAIMERS	5
SECTION 2 SAFETY INFORMATION	
2.0 Safety Terms.....	6
2.1 Safety Symbols.....	7-8
2.2 Safety Decals.....	8-9
2.3 Skid Steer Loader Requirements.....	10
2.4 Personal Protective Equipment	10
2.5 General Safety Instructions.....	11
2.6 Federal Laws and Regulations.....	12
SECTION 3 OPERATING PROCEDURES	
3.0 Unpacking Your Hay Accumulator.....	13
3.1 Pre-Operating Checklist.....	13
3.2 How to Connect Attachment.....	14-15
3.3 Controls.....	16
3.4 First Time Use.....	16-17
3.5 Operating Guidelines.....	17-19
3.6 How to Disconnect Attachment.....	19
SECTION 4 MAINTENANCE PROCEDURES	
4.0 Maintenance Overview.....	20-21
4.1 Maintenance Schedule.....	21
4.2 Maintenance Log Instructions.....	22
4.3 Storage Tips.....	22
4.4 Torque Specification Table & Instructions.....	23
4.5 Torque Equipment Requirements.....	23
4.6 Bale Tine Replacement and Basic Servicing.....	24
SECTION 5 TROUBLESHOOTING	
5.0 Troubleshooting Chart.....	25
SECTION 6 SPECIFICATIONS	
6.0 Specification Chart.....	26
SECTION 7 PARTS INFORMATION	
7.0 Parts Information Form.....	27
7.1 Hay Accumulator Parts Diagram.....	28
SECTION 8 WARRANTY INFORMATION	
8.0 Warranty Statement.....	29-30
8.1 Warranty Return Authorization Policy.....	30
8.2 Warranty Procedure.....	31
SECTION 10 SAFETY ACKNOWLEDGMENT FORM	32
SECTION 11 MAINTENANCE LOGS	33-34
APPENDIX A HOW TO FIND YOUR SERIAL NUMBER	35



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!**

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.



WARNING: This product can expose you to chemicals including benzene and mineral oils, which are known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

SECTION 2

SAFETY INFORMATION

The following terms may be used interchangeably throughout this manual.

Term	Alternate Terms Used
Hay Accumulator	implement, attachment, bale grapple, hay grapple, bale accumulator
Machine	skid steer loader, skid steer, loader, prime mover, host machine, tractor
Operator	user, personnel

The **Hay Accumulator** 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 HAY ACCUMULATOR:

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.

2.1 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
	PINCH HAZARD: Keep clear of machine and attachment to prevent death or serious injury from pinching of moving parts.
	OPERATING MANUAL: Operators must read and understand the safety instructions in the operating manual to prevent death or serious injury.
	EYE PROTECTION & CARDBOARD: 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.
	HIGH PRESSURE FLUID INJECTION HAZARD: 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.
	NO BYSTANDERS: DO NOT operate this attachment near bystanders. Bystanders must stay back at least 30 feet from the attachment to prevent death or injury from falling objects.
	CRUSH HAZARD: DO NOT place any part of the body under the attachment or machine arms to prevent death or serious injury from being crushed .

2.2 SAFETY DECALS


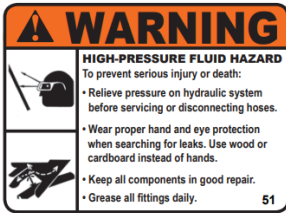
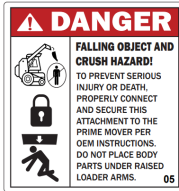
Safety warning decals are located on this attachment near immediate areas of potential hazards. Operators must learn the meaning of each decal and know where to find the decal on the attachment.



2.2 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:

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

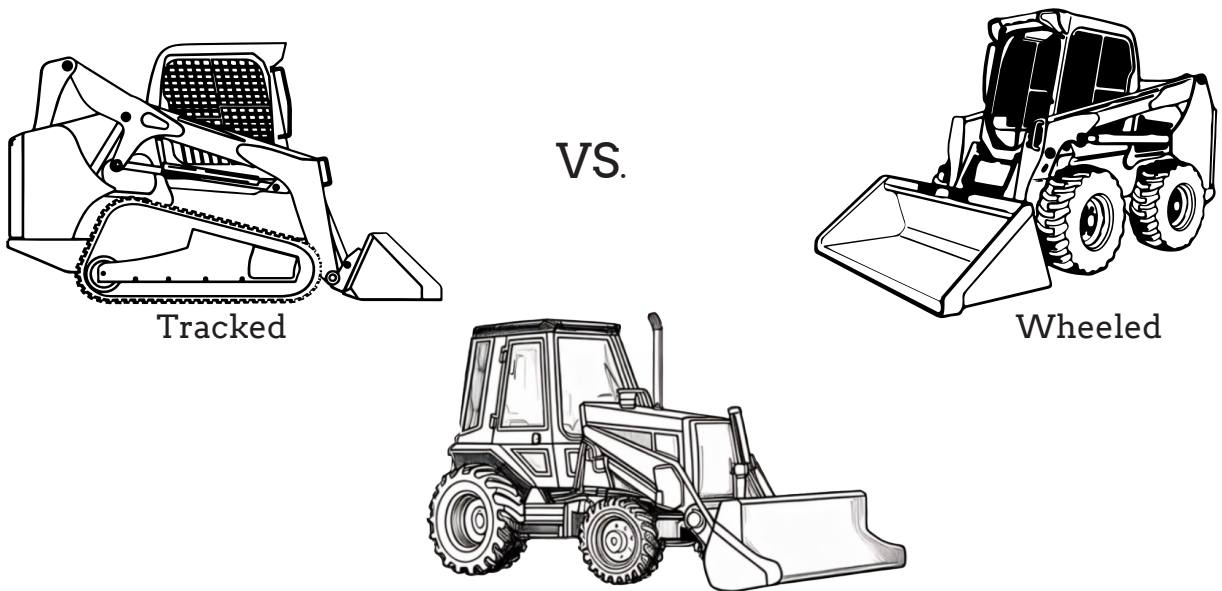
REF	DESCRIPTION	LABEL	QTY
1	PINCH POINT HAZARD		2
2	HIGH PRESSURE FLUID HAZARD WARNING		1
3	FALLING HAZARD DANGER LABEL		1

CONTACT YOUR LOCAL DEALER TO ORDER REPLACEMENT DECALS

- ⚠ 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.



2.3 SKID STEER / TRACTOR LOADER REQUIREMENTS



A 4WD Tractor and/or using additional counterweights, 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.

Consult the host machine's rated operating capacity to ensure you have the proper lift capacity for optimal operation of your attachment. Flow range MUST support the attachment. Standard flow only!

2.4 PERSONAL PROTECTIVE EQUIPMENT (PPE)

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



2.5 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.**
- ! ALWAYS watch for overhead power lines.**
- ! ALWAYS operate this attachment during daylight or well-lit areas.**
- ! DO NOT place any part of your body under this attachment.**
- ! We recommend using a high strength clear protective door panel when using with this attachment.**
- ! NEVER operate this attachment when bystanders are within 30 feet of your work area. Falling material could cause serious injury or death.**
- ! To prevent the machine and attachment from rolling forward, stop the engine and set the parking brake when exiting the machine.**
- ! NEVER position your body or limbs under an unsupported attachment.**
- ! Inspect attachment for loose or missing hardware prior to using this machine.**
- ! DO NOT allow this attachment to contact buildings, utilities, large rocks or tree stumps or you may lose control of the machine.**
- ! DO NOT allow children to play on or around this attachment at any time. Store this attachment in an area not frequented by children.**
- ! DO NOT operate this attachment during lightning or severe weather conditions.**
- ! DO NOT allow riders on the machine or on this attachment.**
- ! 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.**
- ! 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.**
- ! ALWAYS wear work gloves when handling this attachment to protect your hands.**
- ! DO NOT speed! Speed Kills! Keep your driving speed between 2 and 5 mph.**
- ! ALWAYS use eye protection while operating or servicing this attachment.**

2.6 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).

SECTION 3

OPERATING PROCEDURES

Your attachment may arrive 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"/>	Attachment is securely attached to the machine and pins are locked.
<input type="checkbox"/>	Attachment is in working condition and all bolts and nuts are tight.
<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"/>	Safety labels are present and legible.
<input type="checkbox"/>	No material, rope, wire, etc. is obstructing the machine or attachment
<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 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 manufacturer recommended fluid if necessary.

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 hay accumulator until the top edge of the Quick Attach Coupler hooks under the lip of the attachment bracket. See figure 3.2a below.
3. Slightly tilt the skid steer Quick Attach Coupler upward until the attachment bracket is flat against the skid steer Quick Attach Coupler. See figure 3.2a below.

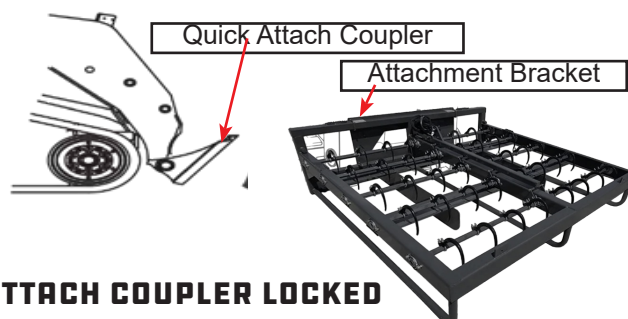


FIGURE 3.2A - QUICK ATTACH COUPLER LOCKED TO ATTACHMENT

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 Figure 3.2b below.

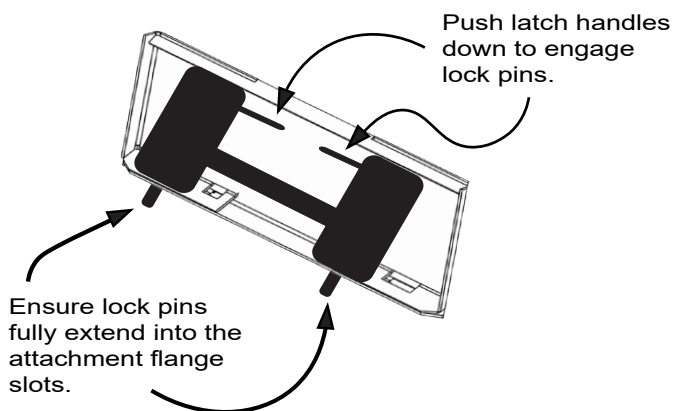


FIGURE 3.2B QUICK ATTACH COUPLER LOCKED TO ATTACHMENT BRACKET



FIGURE 3.2C TRACTOR PIN ON HOOKUP

3.2 HOW TO CONNECT ATTACHMENT CONT.

! 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 Hay Accumulator from detaching from skid steer.

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's couplers with the preferred output auxiliary port corresponding to the correct input line on the attachment before use.

Check the hose routing through the full range of intended motion before operating attachment. It is the responsibility of the owner/operator to make sure the hoses are routed correctly and are not pinched.

NOTICE

If during your initial startup, you realize the hay bale accumulator 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 CONTROLS



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



ATTACHMENT CONTROLS

Your hay accumulator is designed to run off the host 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 accumulator are operated with the control handles or pedals in the cab. Consult your machine operator’s manual for instructions regarding these functions.

HYDRAULIC FLOW REQUIREMENTS-STANDARD FLOW ONLY

When operating the attachment, always use your machine’s standard auxiliary flow. Never use high flow as damage will occur to the cylinders, possibly causing contamination! If you are unsure of the machine’s flow rate, contact the machine dealer.

3.4 FIRST TIME USE

NOTICE

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

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

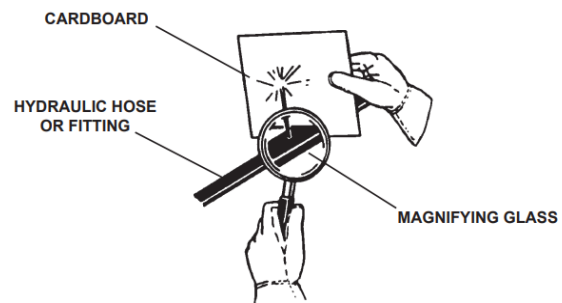
1. Set machine engine RPM to just above idle and flip the auxiliary hydraulic switch to the ON position.
2. Raise the attachment about 10 inches off the ground.
3. With the machine’s engine RPMs just above an idle, slowly engage the auxiliary hydraulic flow to the cylinder.
4. Rotate the grapple tines all the way to the down position, then rotate to the raised position.

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

- Repeat step 4 above two more times to purge air from the system, then switch off the auxiliary hydraulic circuit .
- Lower the attachment to the ground, set parking brake, then shut off machine engine and exit the 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. Flesh injected with Hydraulic fluid may develop gangrene or other permanent disabilities.



- Check the hydraulic fluid level in the machine, add manufacturer recommended fluid if necessary.
- Inspect the hay accumulator hydraulic hoses and connectors for noticeable leaks. Fix before continuing.

3.5 OPERATING GUIDELINES

! DANGER

To prevent death from electrocution, NEVER operate this attachment near electrical wires or cables.

! WARNING

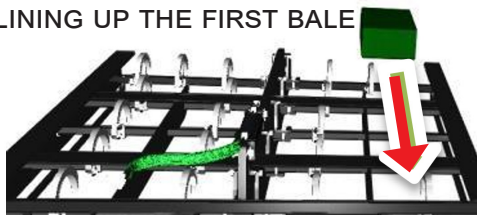
When lifting a load of hay bales, make sure the accumulator is not tangled with overhead obstructions that could cause the center of gravity to be compromised, resulting in a rollover that could cause Death or Serious Injury.

- ALWAYS inspect the work area before starting the job. Beware of any objects that could be damaged or could damage this attachment during operation.
- NEVER assume the work area is safe and skip the inspection before start of operation.
- Operate at a safe slow-paced speed that will allow you to watch the area ahead and behind the attachment and machine.
- Since part of the operation with this attachment may be in reverse, **look behind you** and/or utilize your mirrors and back-up camera when backing up.

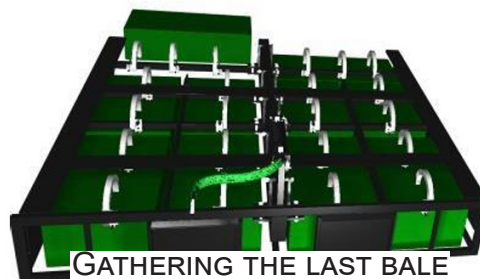
3.5 OPERATING GUIDELINES CONT.

5. VERIFY that your back-up alarm and/or camera are working properly to warn others when you are in reverse, but NEVER think that the alarm or camera replaces your responsibility to visually check what is behind you.
6. Before you begin gathering hay bales, stop your machine and make any final adjustments to the machine counterweights or attachment angle/height.
7. Look ahead to see if there are any low spots that the attachment might transport over and make any necessary corrections to speed and angle. (If a ditch or furrow must be crossed, activate the grapple to secure the bales and lift the attachment off the ground. Return the attachment to the ground and release the grapples from holding the bales before continuing.)
8. Your bale retrieval will improve when the accumulator is correctly aimed and lined up for the next bales in the retrieval pattern. Practice makes perfect!
9. Since the hay accumulator's capacity is 10 bales, plan the retrieval route 10 bales from the unloading point. Start at the beginning of the route, keeping the attachment level to the ground and 2"-4" above. Line up the short end of the bale with one of the empty bale slots and proceed slowly forward until the bale has reached the rear of the attachment or next available slot.

LINING UP THE FIRST BALE



10. When eight bales have been positioned in the attachment, the last two bales need positioned and loaded 90 degrees from the first eight. Align the ninth bale long ways on either the left or right side. Gather the last bale the same way on the other side.



11. As soon as the 10th bale is loaded, stop the machine, lower the attachment completely on top of the bales and activate the grapple arms to capture the bales.



12. After lifting the bales, carefully transport the hay bales to their unloading point keeping them as low to the ground as possible. The machine loader arms should tilt back slightly when transporting.



13. When loading bales on a trailer, raise the attachment to clear the height of the trailer and center bales over it. Watch for overhead obstructions/cables or wires.
14. Set the hay accumulator on the trailer with the bales in place.

SAFETY TIP: When picking hay bales from a stack, always pick from the top.

3.5 OPERATING GUIDELINES CONT.

15. Slowly raise the rear of the accumulator while releasing the grapple tines.



16. Finish releasing the tines and raise the attachment straight up until the bales are cleared and back the host machine away from the trailer.

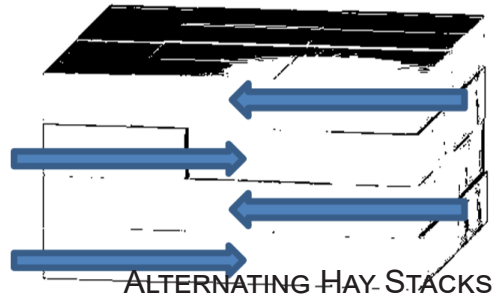


17. When lifting a load, remain aware of the center of gravity to prevent the load from tipping the host machine causing damage to your attachment and injury or death.



18. If placing 10 bales on the ground, make sure the location is flat and level.

19. When stacking bales on a trailer or on the ground, alternate sides of your approach in order to “lock-in” the two end perpendicular bales.



20. Before transporting bales on the roadway, secure the bale stack to the transporter vehicle according to State or local law.

21. To unload, remove divider and pipe runner rails on hay accumulator and lower accumulator on top of stack.

22. Activate grapple tines to secure the bales, then lift and transport to final storage location. If possible, alternate hay stacks to lock stack together as shown in number 19.

*Pictures shown are for reference only and may depict previous models.

3.6 HOW TO DISCONNECT ATTACHMENT

1. Park machine on a flat and level surface then lower the attachment to the ground.
2. Turn off auxiliary hydraulic circuit; relieve hydraulic pressure by moving the control levers back and forth or using hydraulic relief valve (if applicable).
3. Set parking brake and disengage lock pins using the lock lever switch (if installed skip step 6).
4. Turn off machine engine.
5. Disconnect hydraulic hoses and connect together or install dust caps to prevent contaminants from entering the hydraulic system.
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

Only use genuine Original Equipment Manufacturer (OEM) replacement parts on this attachment. 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 machine.

-  **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 hay bale accumulator 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 hay bale accumulator.

4.1 MAINTENANCE SCHEDULE

This **Hay Accumulator Grapple** 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
<p>Check host machine's hydraulic fluid level. Add fluid as necessary.</p> <p><i>Please refer to our "Hydraulic Fluid and Oil Statement" on Page 5 for gear oil or hydraulic fluid instructions.</i></p>	X		
Check tines & bearings. Replace as needed when worn or damaged.	X		
Check that all fasteners (nuts, bolts, washers, pins, keepers) are in place. Tighten as necessary.	X		
Inspect and replace any worn, torn, or missing safety decals or parts.	X		
Inspect hydraulic hoses and connectors for damage or leakage. Repair or replace hydraulic items as necessary.	X		
Lubricate all pivot joints using #2 Lithium grease.	X		
Wash hay accumulator.		X	
<p>Check attachment for major scratches & dings. Sand and repaint these areas to prevent rust damage.</p> <p>*Use paint formulated for farm equipment which can be found at your local hardware store.</p>			X

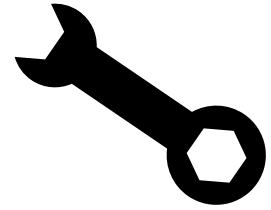
 **DANGER** ONLY service the attachment on stable, even terrain. NEVER park on sloped terrain to avoid being struck and killed or seriously injured by the unexpected rolling or movement of the machine.

4.2 MAINTENANCE LOG INSTRUCTIONS

Use the log sheets at the end of this manual to document all routine maintenance and repair services performed on this attachment.



MAINTENANCE LOG



10. MAINTENANCE

MAINTENANCE LOG

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

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 water, debris, dirt and grease.</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. Use lubricated torque values when applying Loctite. **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.

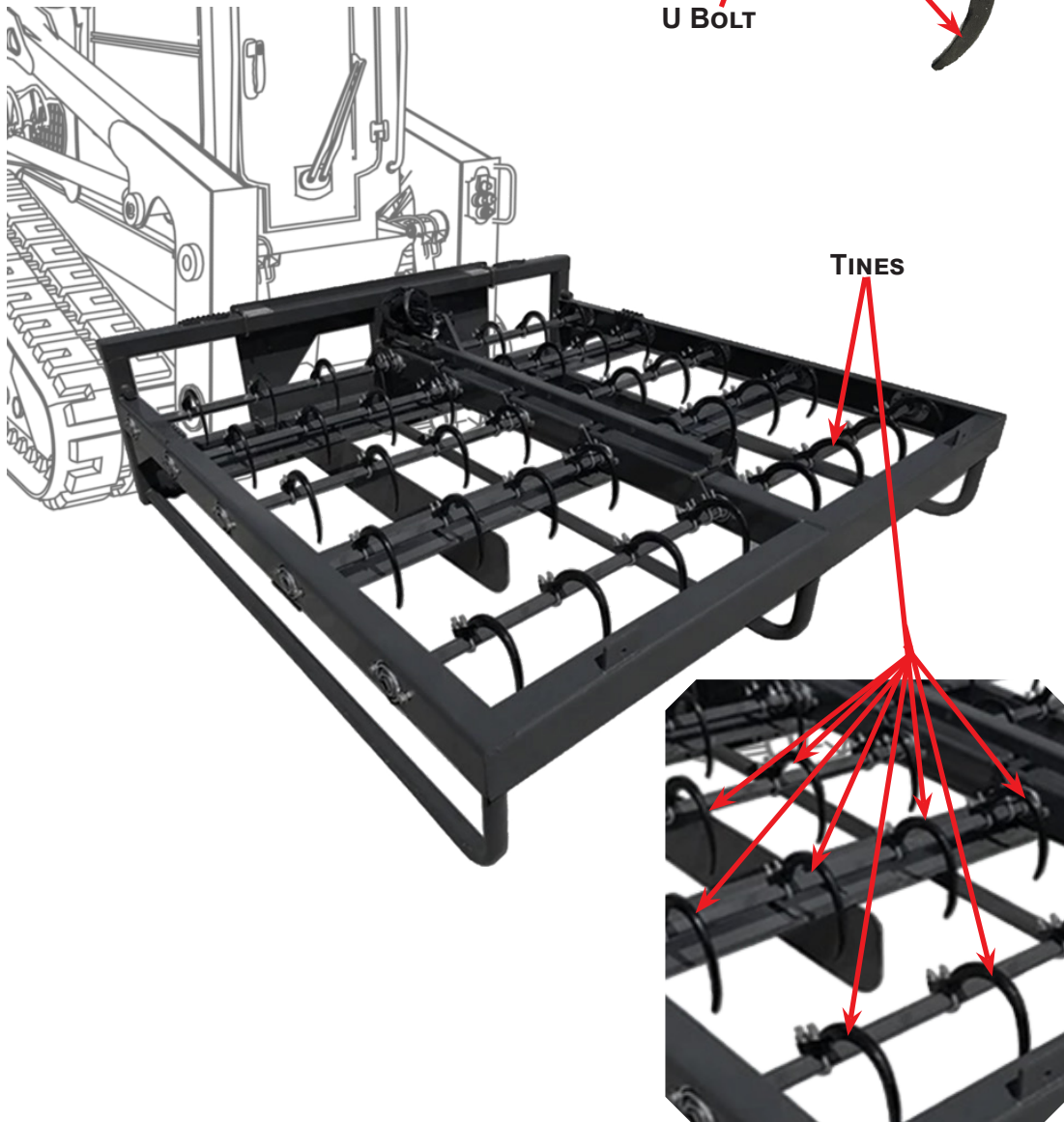
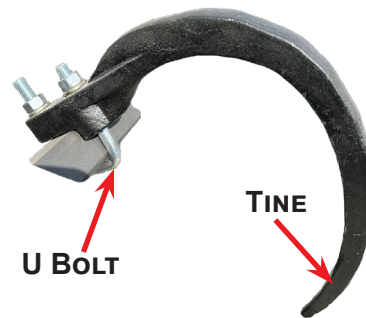
LOCTITE 635 TECHNICAL SPECIFICATIONS FOR BONDING, CURING, REMOVAL AND INSTALLATION CAN BE FOUND HERE:

<https://next.henkel-adhesives.com/>

4.6 BALE TINE REPLACEMENT AND BASIC SERVICING

1. Using the machine controls, position the attachment on the ground level, with grapple tines up.
2. Power off machine and place an engine lockout on the host machine.
3. Clean around the tine bolts.
4. Loosen and remove the U bolt nuts and remove tine.
5. Place new tine in position and reattach the U bolt with nuts.
6. Torque to the proper specifications.

NOTE: It is recommended to have a couple extra tines in stock for less downtime if one becomes damaged or broken.



SECTION 5

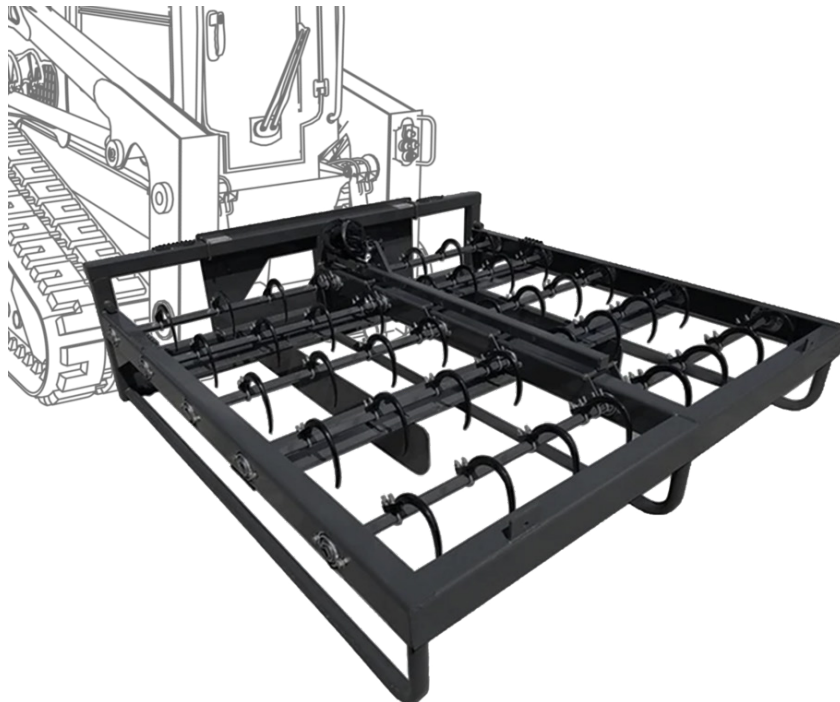
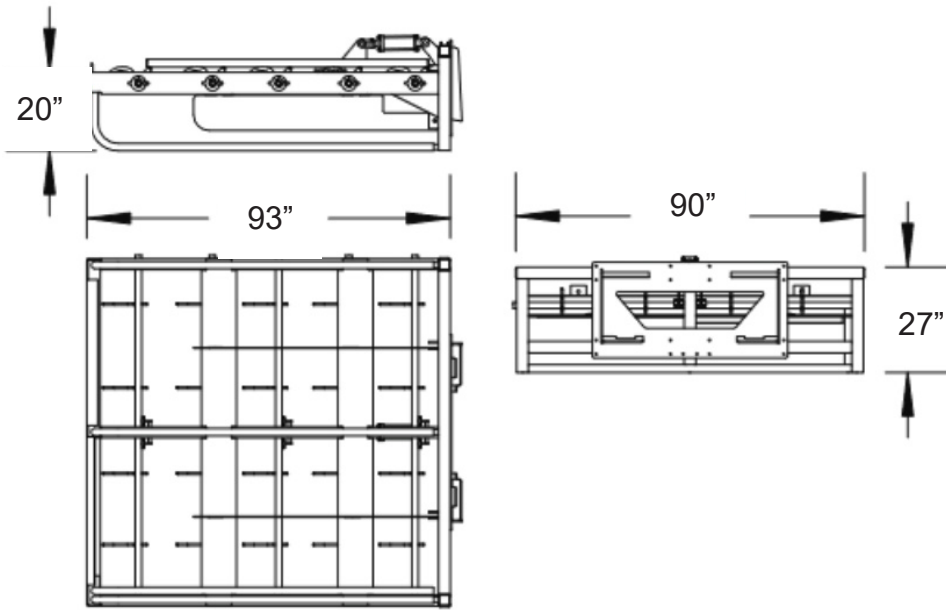
TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Hay tine does not lower into the bales, or the grapple cylinder does not function.	<ol style="list-style-type: none"> 1. Hydraulic hose loose, disconnected or damaged. 2. Objects are wedged in the grapple tine, or tine pivot system. 3. Cylinder seal(s) bypassing. 4. Machine auxiliary hydraulic circuit not activated. 5. Quick disconnects not connected or fully seated. 	<ol style="list-style-type: none"> 1. Check for loose, disconnected or damaged hose. Tighten or replace. 2. Remove object or debris. 3. Replace seal(s) or cylinder. 4. Check machine auxiliary hydraulic system and confirm if activated. 5. Check and reconnect Quick Disconnects.
Hydraulic fluid level goes down during operation.	<ol style="list-style-type: none"> 1. Leaks in the hydraulic system such as hoses & couplers. 	<ol style="list-style-type: none"> 1. Investigate and repair leaks. NEVER use your hand to feel for leaks.
Bales keep dropping and are not being held when lifted.	<ol style="list-style-type: none"> 1. Check for damaged or broken hay tines. 2. Bale material is not tightly wound and secured properly. 3. Driving too fast over uneven terrain that causes excessive bouncing. 4. Hay accumulator is not lowered fully on top of square bales before activation of hay tines or hay tines are not fully engaged. 	<ol style="list-style-type: none"> 1. Replace damaged hay tines. 2. Add more hay hooks or check baler. 3. Reduce speed. 4. Fully lower hay accumulator, before engaging hay tines. Ensure hay tines are fully engaged.
Pins prematurely wearing or breaking.	<ol style="list-style-type: none"> 1. Not greasing pins frequently enough. 	<ol style="list-style-type: none"> 1. Grease pins before each use & repeat every 8 hours or less while using in extreme conditions.
Bale divider rails are bent and bales will not enter attachment properly.	<ol style="list-style-type: none"> 1. Accumulator receiving excessive shock loads from contact with solid objects. 	<ol style="list-style-type: none"> 1. Avoid contact with solid objects or raise accumulator to clear exposed solid surfaces.

SECTION 6

SPECIFICATIONS

Hay Accumulator Grapple Specs



SECTION 7

PARTS INFORMATION

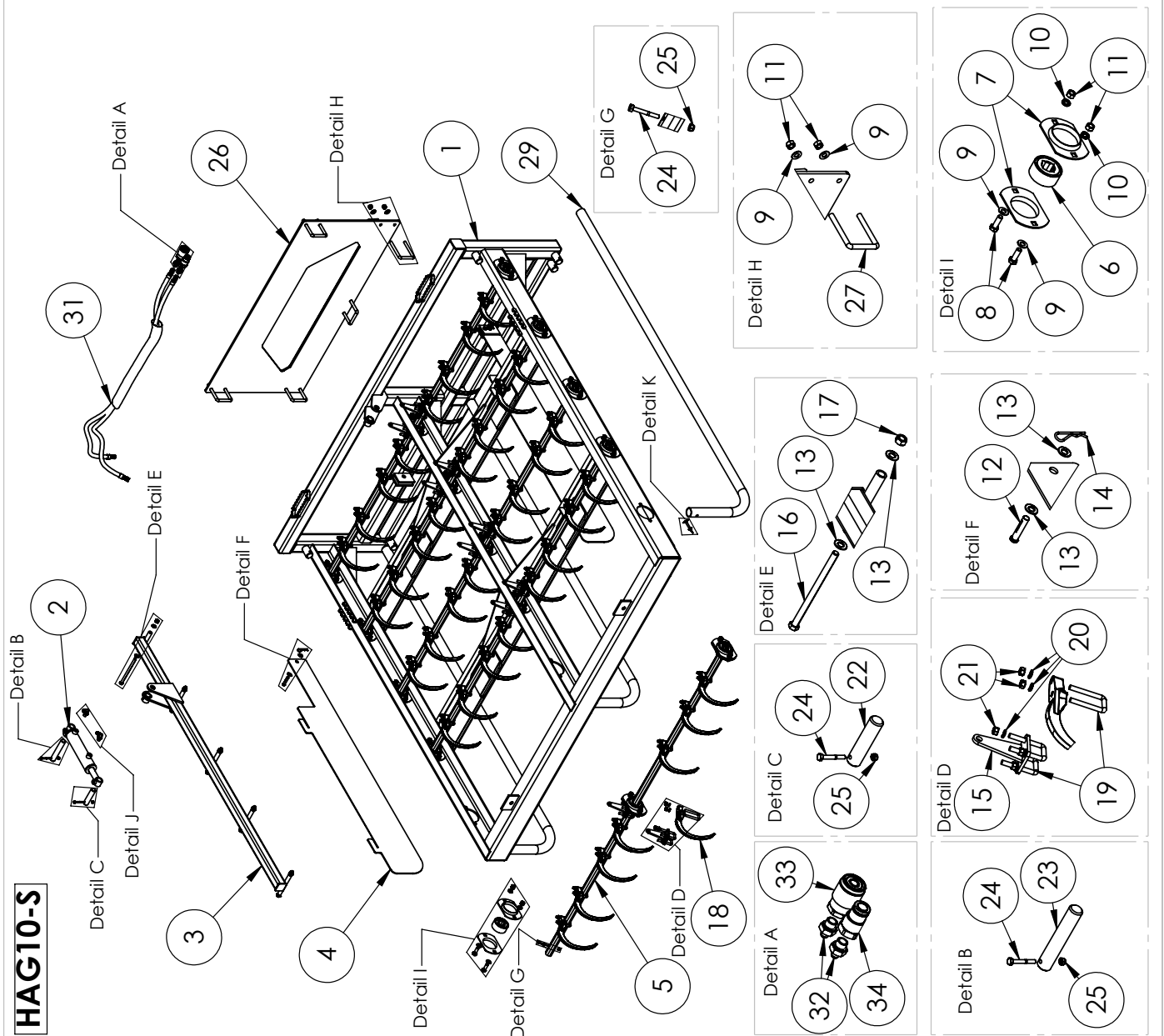
Factory OEM parts specifically designed for your implement are readily available.

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

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

7.1 HAY ACCUMULATOR PARTS DIAGRAM

ITEM	Part#	DESCRIPTION	QTY.
1	80500026	Frame Weldment	1
2	40000086	2" B X 6" Cylinder	1
3	80500036	Pusher Weldment	1
4	90100026	Bale Divider	2
5	94200016	Hook Holder	5
6	41100056	Bearing	15
7	41100066	Bearing Flange Plate	30
8	11201086	1/2"-13 X 1 1/2" Hex Bolt GR 8	30
9	11200306	1/2" SAE Flat Washer GR 8 Z/YEL	40
10	11200176	1/2" Split Lock Washer GR 8	30
11	11200446	1/2"-13 Lock Nut GR C	40
12	11201096	7/16" X 2" Pin Clevis	2
13	11200866	7/16" SAE Flat Washer GR 8	14
14	11201106	Pin Clip	2
15	80500046	Bracket Weldment	10
16	11201116	7/16"-14 X 7" Hex Bolt GR 8	5
17	11200466	7/16"-14 LOCK NUT GR C	5
18	41300016	Hay Hook	40
19	11201126	3/8" X 1 3/8" X 3" U-Bolt	60
20	11201136	3/8" Lockwasher GR 8	120
21	11200816	3/8"-16 Hex FIN Nut	120
22	20200236	1" D X 4.125" L Pin	1
23	10300056	1" D X 5.625" L Pin	1
24	11200346	1/4"-20 x 2" Hex Bolt GR 8	12
25	11200076	1/4"-20 Lock Nut GR C	12
26	80500056	Skid Steer Mount	1
27	11201146	1/2" X 3 1/16" X 4 1/4" U-Bolt	5
28	41000016	3/8" 90° Fitting	2
29	93800016	Pipe Runner	3
30	11201156	5/16" X 2 1/4" Lock Pin	3
31	52800186	1/4" D X 6' - 7' Machine Hose Kit	1
32	41000066	3/8" - 1/2" Straight Fitting	2
33	41000116	1/2" Flat Coupler FE - Changeable	1
34	41000106	1/2" Flat Coupler M - Changeable	1



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

8.0 WARRANTY INFORMATION CONT.

freight or delivery charges to be prepaid. This limited warranty shall not be interpreted to render CID, Inc. liable 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, 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.

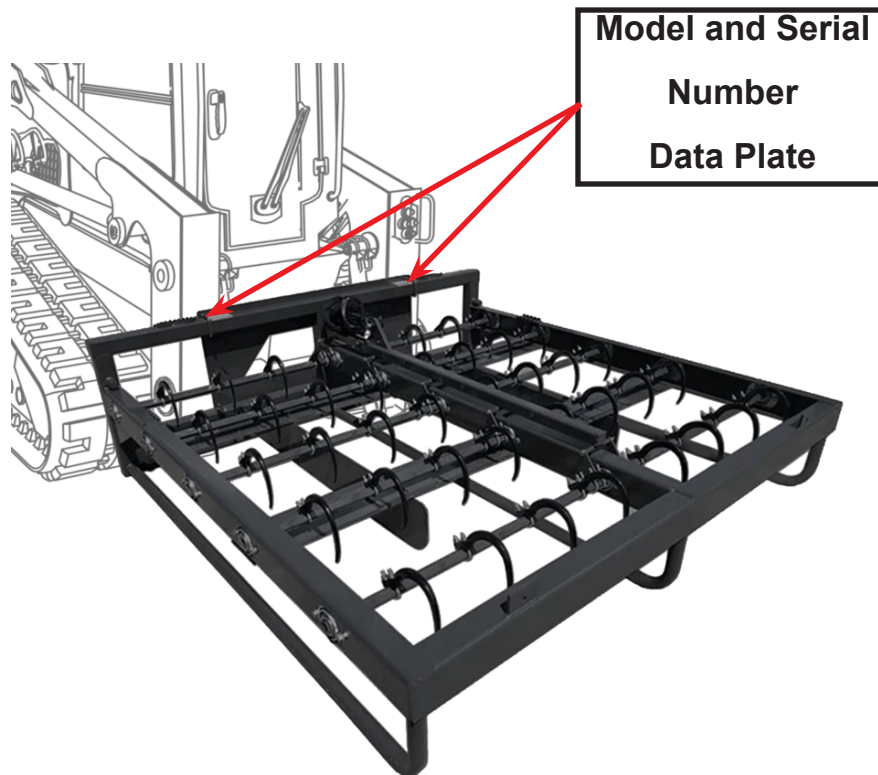
APPENDIX A FINDING YOUR MODEL AND SERIAL NUMBER

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- left or right

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.



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

www.CIDATTACHMENTS.COM



CIDHYAC_MANU_V3M0626