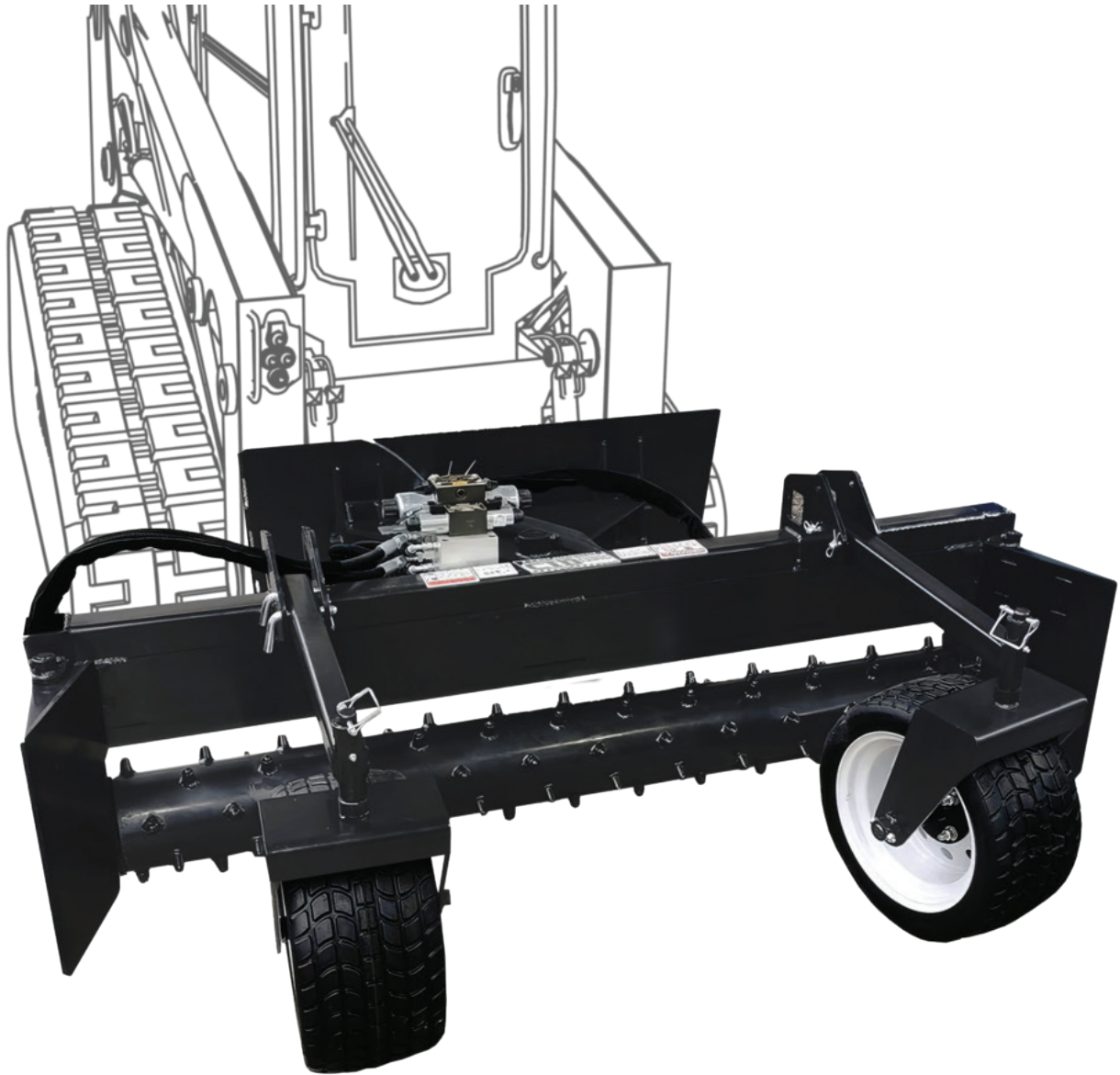




POWER RAKES

OWNER'S MANUAL



**MULTI-PURPOSE
POWER RAKE**

**X-TREME
POWER RAKE**

OCT
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

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.

Sincerely,

The CIDTeam



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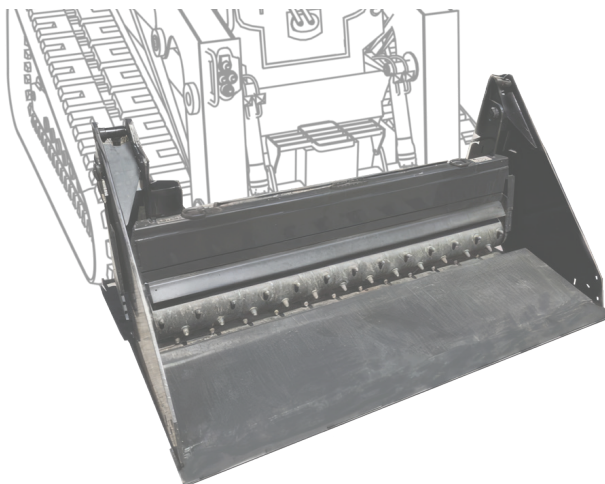
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IMPORTANT WARRANTY DISCLAIMERS

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) downtime from that flow.

SECTION 2

POWER RAKE MODELS

MULTIPURPOSE POWER RAKE BUCKET

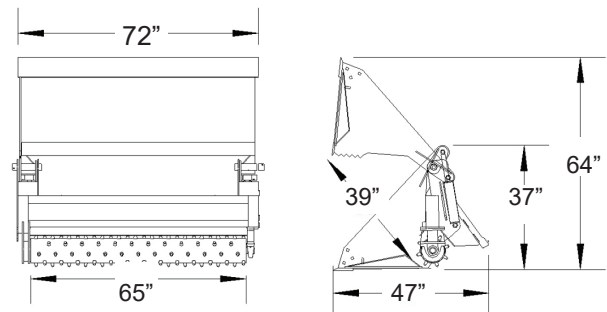
The Multi-Purpose Power Rake is an innovative landscaping tool that combines a 4-N-1 bucket with a power rake. This blend of implements removes the need to change attachments to finish prepping your soil bed. This rake can be used for back dragging, digging, and grappling and is offered in various widths and sizes to accommodate full size machines to mini skid steers.

- Carbide roller tips.
- Side cutters standard.
- Direct drive motor.

AVAILABLE AS
A MINI



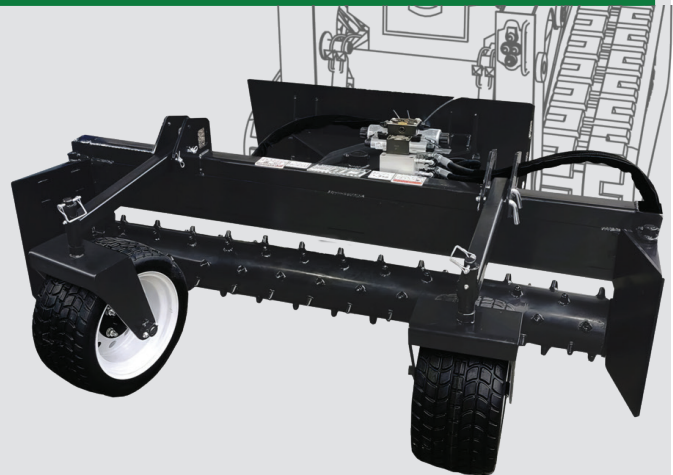
Multi-Purpose Power Rake Specs



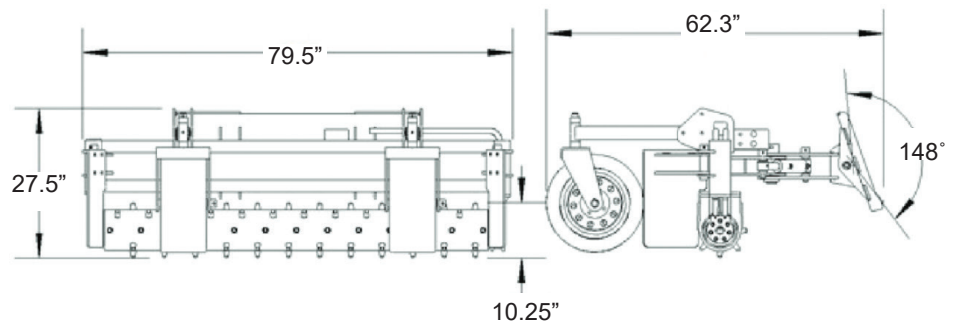
X-TREME POWER RAKE

The X-Treme Power Rake provides a versatile tool for your machine and works in hydraulic or manual version. This attachment will provide the proper preparation of seedbed grading, leveling and re-conditioning of multiple surfaces.

- Inset Direct Drive Motor
- Bi-directional drum
- Drum uses Carbide Teeth
- Removable Side Plates
- Solid Foam-Filled Tires
- Hydraulic or Manual Angle
- Front/Back Debris Curtain
- Available in 72" or 90"
- Rated for 15-25 GPM

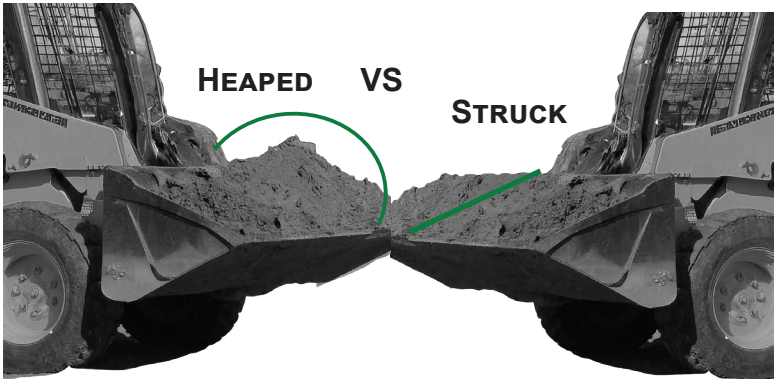


X-treme Power Rake Specs



DON'T OVERDO IT! CHECK YOUR BUCKET STRUCK CAPACITY!

To find the volume that your bucket can carry, scan the QR code below.



SECTION 3

SAFETY INFORMATION

The following terms may be used interchangeably throughout this manual.

Term	Alternate Terms Used
Power Rake	implement, attachment, product, rake
Machine	skid steer loader, skid steer tractor, loader, prime mover, host machine, skid steer
Operator	user, personnel

This **Power Rake** 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 broom. Accident prevention is a combination of good judgment, common sense, awareness and proper training!



BEFORE YOU OPERATE THIS POWER RAKE:

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.

3.1 SAFETY SYMBOLS

This manual and the decals on this attachment 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.

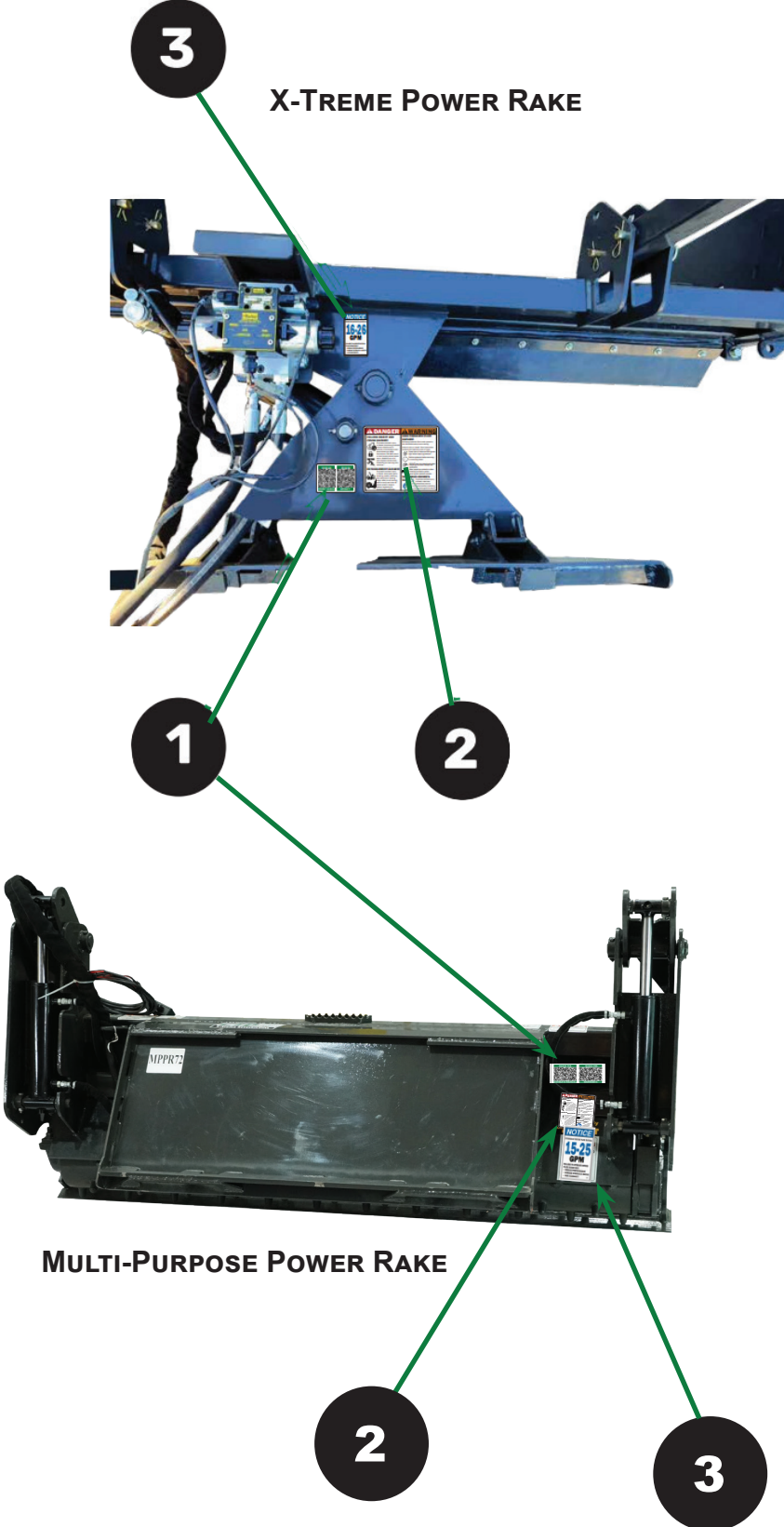
3.1 SAFETY SYMBOLS

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
	<p>PINCH HAZARD: Keep clear of machine and attachment to prevent death or serious injury from pinching of moving parts.</p>
	<p>FLYING DEBRIS HAZARD: ONLY operate this attachment using a machine that has a shatter proof cab to prevent death or serious injury from objects being thrown.</p>
	<p>OPERATING MANUAL: Operators must read and understand the safety instructions in the operating manual to prevent death or serious injury.</p>
	<p>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.</p>
	<p>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.</p>
	<p>NO BYSTANDERS: DO NOT operate this attachment near bystanders. Bystanders must stay back at least 300 feet from the machine to prevent death or injury from objects being thrown.</p>
	<p>CRUSH HAZARD: DO NOT place any part of the body under the attachment or machine to prevent death or serious injury from being crushed .</p>
	<p>ENTANGLEMENT HAZARD: STAY BACK from machine while in use. Contact with rotating auger could kill or cause serious injuries.</p>

3.2 SAFETY DECALS



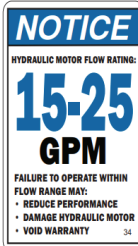
Safety warning decals are located on this machine near immediate areas of potential hazards. Operators must learn the meaning of each decal and know where to find the decal on the machine.



3.2 SAFETY DECALS







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

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

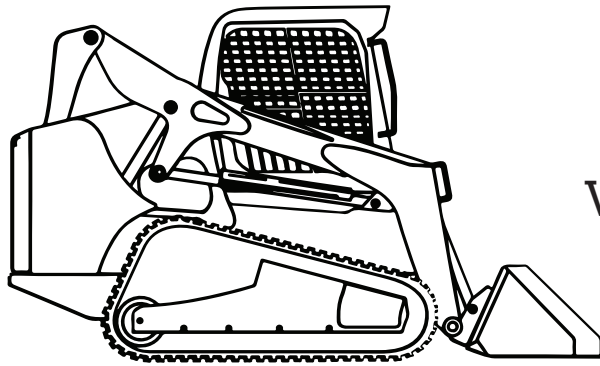
REF	DESCRIPTION	LABEL	QTY
1	OWNER'S MANUAL / WARRANTY		1
2	DANGER/WARNING COMBO (CID-82E)		2
3	NOTICE: AUXILIARY HYDRAULIC FLOW NOT TO EXCEED NOTICE LABEL (CID-34)		1

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

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.

3.3 SKID STEER LOADER REQUIREMENTS



Tracked

VS.



Wheeled

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

! CAUTION

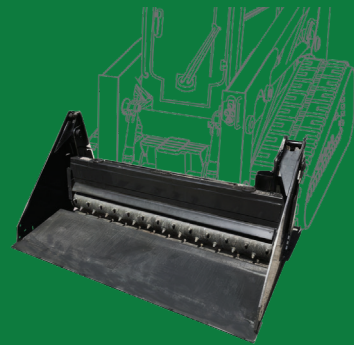
Make sure your machine is in good operating condition. Follow the operating instructions found in the operator's manual. Failure to do so could result in minor or serious injury.

Power Rakes should only be used on machines that meet the machine HP and weight requirements listed.

Machine Lift Capacity: 3,000 lbs

Machine Loader Weight: 10,000 lbs

Follow the operating instructions in your machine's operator manual.



3.4 PERSONAL PROTECTIVE EQUIPMENT (PPE)

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



3.5 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** operate this attachment during daylight or well-lit areas.
- ! We recommend** using a high strength clear protective door panel when using with this attachment.
- ! To prevent** the machine and attachment from rolling forward, stop the engine and set the parking brake when exiting the machine.
- ! Inspect** attachment for loose or missing hardware prior to using this machine.
- ! ALWAYS** watch for overhead power lines.
- ! DO NOT** place any part of your body under this attachment.
- ! NEVER** operate this attachment when bystanders are within 300 feet of your work area. Flying debris could cause serious injury or death.
- ! NEVER** position your body or limbs under an unsupported attachment.
- ! 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.
- ! 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** wear work gloves when handling this attachment to protect your hands.
- ! ALWAYS** use eye protection while operating or servicing this attachment.
- ! DO NOT** operate this attachment during lightning or severe weather conditions.
- ! DO NOT** allow riders on the machine or on this attachment.
- ! 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.
- ! DO NOT** speed! Speed Kills! Keep your driving speed between 2 and 5 mph.
- ! NEVER** leave equipment unattended with the engine running, or with this attachment in a raised position.

3.6 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. 5(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 4

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.

4.1 PRE-OPERATING CHECKLIST

Pre-Operating Checklist	
<input type="checkbox"/>	Power Rake 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"/>	Power Rake 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"/>	No material, ropes, wire, etc. is obstructing the machine or drum.
<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 fluid if necessary. <i>Please refer to our "Hydraulic Fluid and Oil Statement" on Page 5 for gear oil or hydraulic fluid instructions.</i>

4.2 HOW TO CONNECT POWER RAKE ATTACHMENT GENERAL ATTACHMENT METHOD

Refer to your machine's manual for specific instructions on how to connect and disconnect your attachment. See figure 4.2c.

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

1. Make sure the hydraulic lines are clear from the front side of the power rake's attachment plate and that the locking pins on the skid steer quick attach mechanism are in the unlocked position.
2. Drive the skid steer to the attachment plate and tilt the skid steer coupler forward and hook the top edge of the skid steer quick attach mechanism under the lip of the power rake's attachment plate. See figure 4.2a below.
3. Slowly raise and tilt back the skid steer mounting plate, moving upward until the power rake's attachment plate is flat against the skid steer quick attach mechanism. See figure 4.2a below.

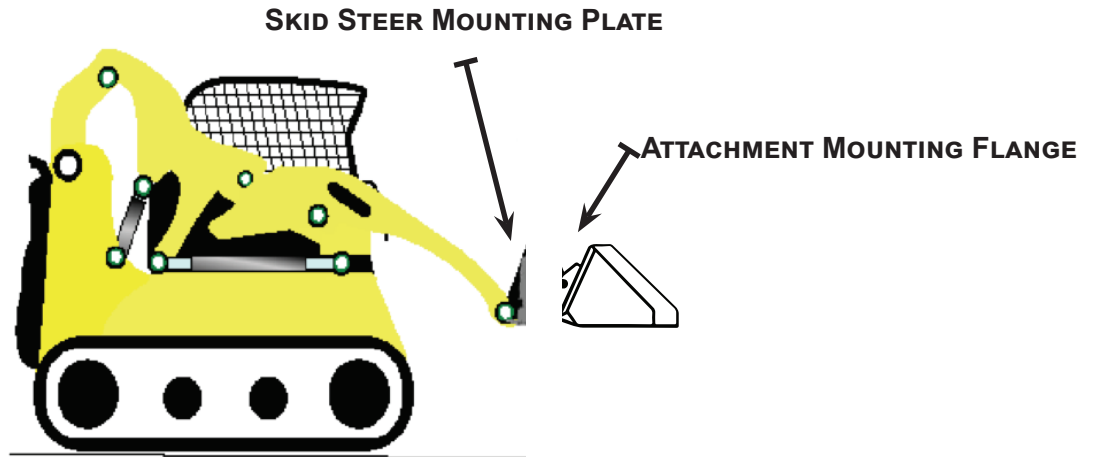
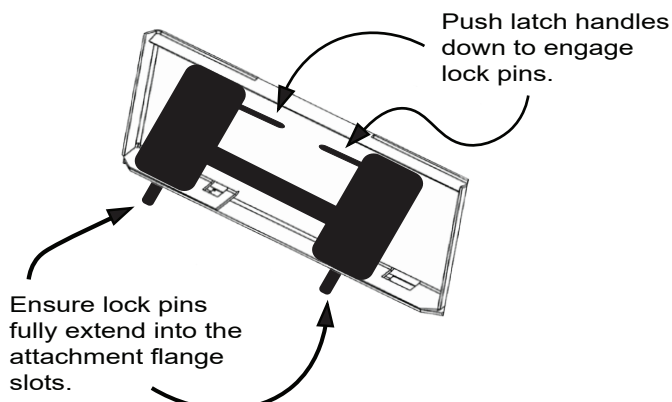
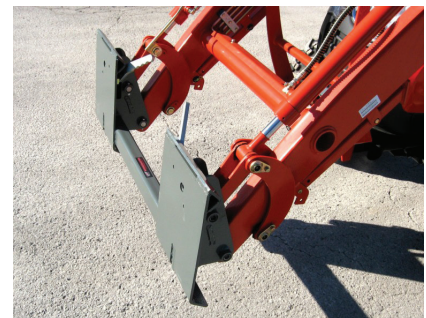


FIGURE 4.2A - SKID STEER MOUNTING PLATE TO ATTACHMENT MOUNTING FLANGE

4. Activate your skid steer's lever lock switch to engage and lock the pins into the flange slots of the power rake's attachment plate. If your skid steer does not have this switch, push the latch handles down until you can see the lock pins extend into the attachment flange as shown in Figure 4.2b below.



**FIGURE 4.2B QUICK ATTACH COUPLER
LOCKED TO ATTACHMENT PLATE**



**FIGURE 4.2C TRACTOR PIN ON
HOOKUP**

4.2 HOW TO CONNECT POWER RAKE ATTACHMENT CONT.

! WARNING

To avoid serious injury or death, ensure coupler pins fully extend through the slots on the attachment bracket and that levers are down in the locked position to prevent power rake 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 and cover with plastic or metal caps when not in use.

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

NOTICE

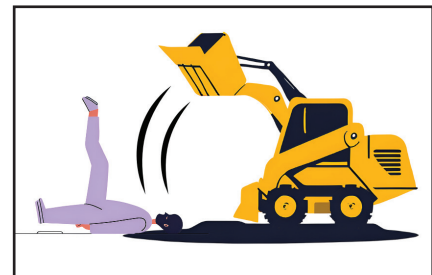
Check that hydraulic hoses are locked into the machine's couplers before moving attachment.

! CAUTION

ALWAYS visually inspect and verify that the coupler lock pins are fully engaged through the latch slots on the attachment plate.

! DANGER

NEVER enter the area underneath the coupler or any part of the attachment when it is in the raised position to avoid an accident that will result in Death or Serious Injury!



4.3 CONNECTING ELECTRICAL HARNESS

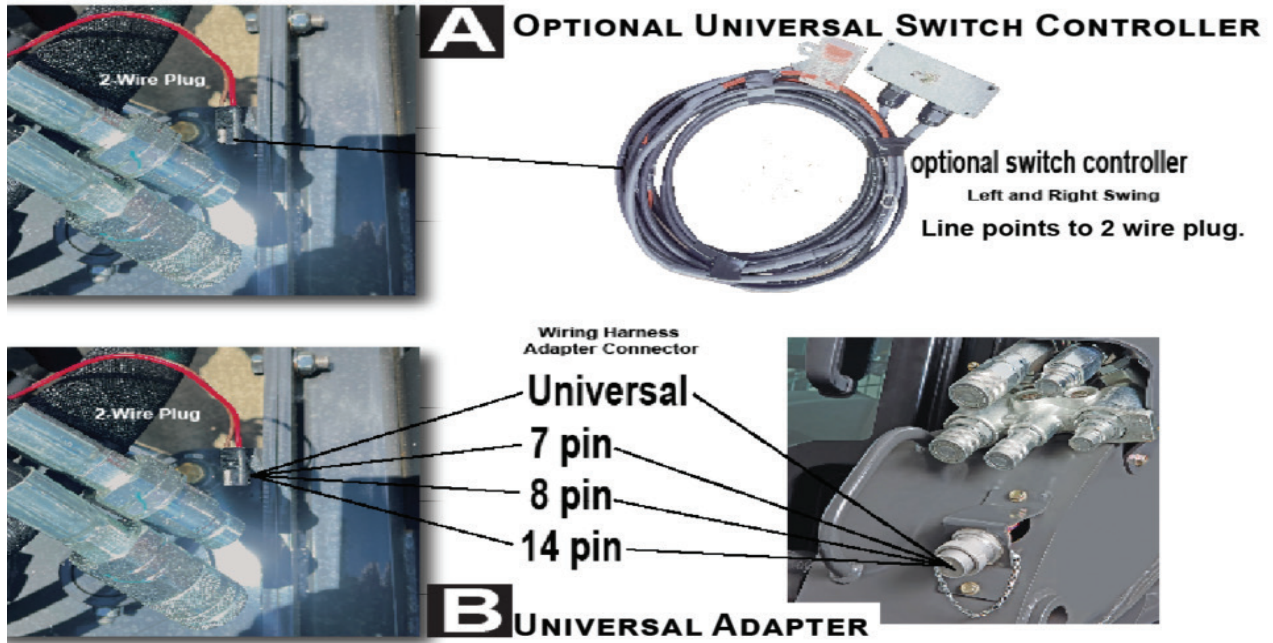
Connect the 2-wire control harness from the attachment using the A or B Method as shown on page 17. A **universal, 7, 8, or 14 pin** pigtail harness adapter is available to make this connection. When using the optional switch controller, make sure the ground wire is securely attached to the machine frame. Contact your local dealer for more information on how to connect the harness and controller.

POWER RAKE CONTROLS

Your power rake 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 power rake are operated with the control handles or pedals in the cab.

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

4.4 UNIVERSAL ELECTRICAL INSTALLATION



4.5 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.

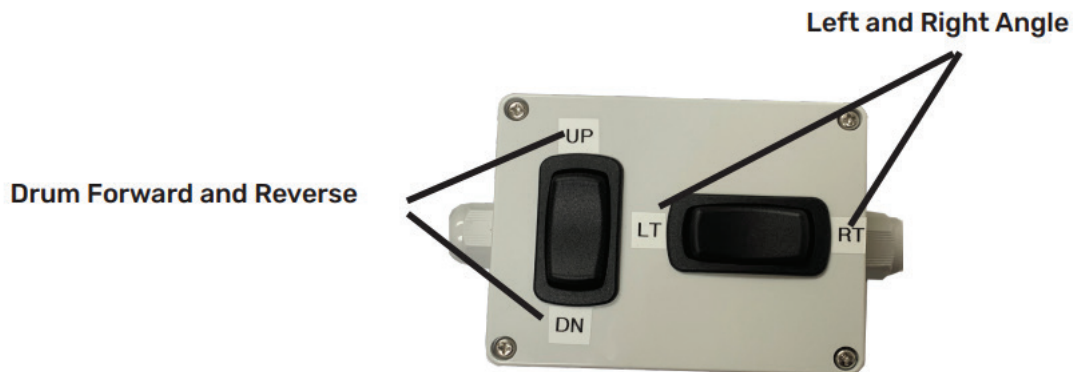
2. Route the control cable that extends from the right side of the controller box through the side of the cab and up to the back of the loader pivot arm, then down the arm to a point near the bulkhead coupler. Secure cable with plastic cable ties or velcro straps. *Note: Secure this cable using plastic 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.

4.6 POWER RAKE CONTROLS

NOTICE

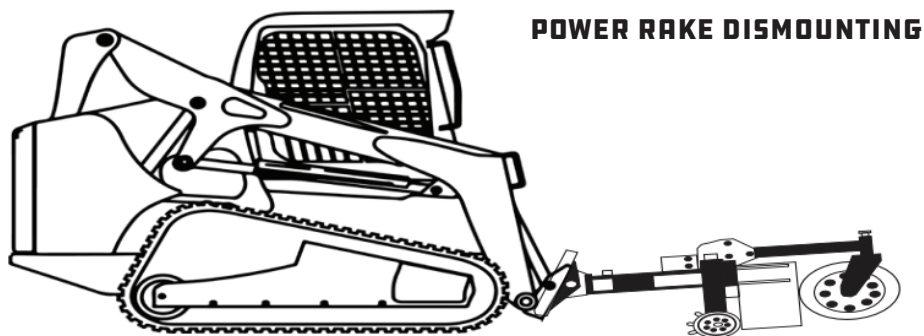
Some machines have a “float” function on the lowering circuit which will allow the attachment to follow the contour of the ground being worked. See the machine’s operator manual for instructions.

Your power rake 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 power rake are operated with the control handles or pedals in the cab. Consult your machine’s operator’s manual for instructions regarding these functions.



4.7 HOW TO DISCONNECT POWER RAKE

1. Turn off auxiliary hydraulic circuit; relieve hydraulic pressure.
2. Park machine on a flat and level surface then lower power rake 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 power rake.



HYDRAULIC FLOW

When operating the power rake, 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

ALWAYS release the hydraulic system pressure from the hydraulic circuits prior to removing the attachment or any hydraulic service work.

4.9 PREPPING FOR FIRST TIME USE



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



Verify that hydraulic hoses are securely locked to the machine hydraulic couplers before starting to use this attachment.

NOTICE

Before operating the power rake, check the hydraulic fluid in the machine and add manufacturer recommended fluid if necessary.

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

1. After starting machine, lift attachment six (6) inches off the ground surface:
2. Set machine engine RPM to just above idle.
3. Switch on the auxiliary hydraulic circuit.
4. Allow the power rake to run for 30 seconds to purge air from the system, then switch off the auxiliary hydraulic circuit.
5. Lower the attachment to the ground, shut off machine engine and exit the operator’s cab.
6. Check the hydraulic fluid level in the machine, add manufacturer recommended fluid if necessary.
7. Inspect the power rake hydraulic hoses and fittings for noticeable leaks. Fix before continuing.

4.9 PREPPING FOR FIRST TIME USE CONT

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. Restart machine, set engine RPM to slightly above idle.
9. Raise the power rake off the ground and switch on the auxiliary hydraulic circuit.
10. Slowly increase machine engine to full throttle.
11. Ensure power rake is running smoothly.
12. Test the controls for proper movement (left swing, right swing, drum forward, drum reverse).

NOTICE

If Power Rake vibrates while increasing RPM's, switch off the auxiliary hydraulic circuit and investigate the cause. Refer to the Troubleshooting Chart in this manual.

4.10 STARTING & STOPPING THE POWER RAKE

HYDRAULIC FLOW REQUIREMENTS

When operating the power rake, set the machine 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 of 15-25 GPM when operating your power rake.

STARTING THE POWER RAKE

WARNING

To avoid serious injury or death from thrown objects and flying debris, ensure no bystanders are within 30 feet of the work area before starting the Power Rake.

1. Complete steps 1-6 in Section 4.2.
2. Set machine engine RPM to slightly above idle.
3. Raise the rake 6" (inches) above the ground.
4. Activate machine's auxiliary hydraulic circuit.
5. Slowly increase the machine engine to full throttle. Ensure Power Rake is running smoothly.

NOTICE

DO NOT engage the auxiliary hydraulic circuit with engine at full throttle or damage to the drum unit can occur!

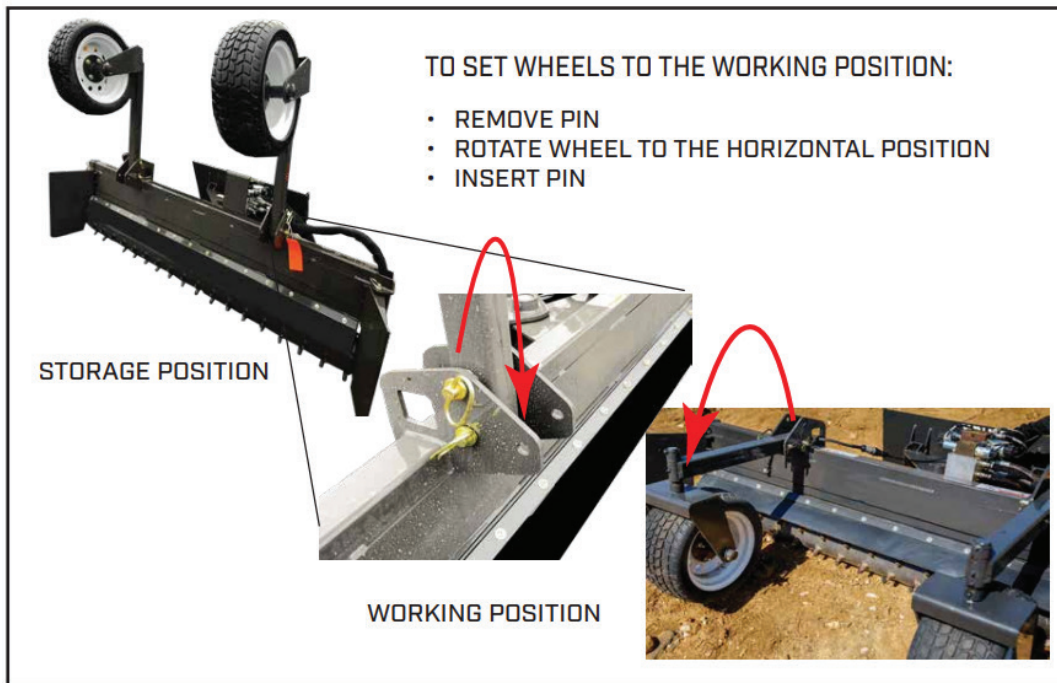
STOPPING THE POWER RAKE

1. Raise the Power Rake slightly and set machine engine RPM to idle.
2. Switch off the auxiliary hydraulic flow to the Power Rake.

! WARNING

After switching off the auxiliary hydraulic circuit, keep hands and feet clear of the rotating drum.

4.11 GAUGE WHEELS



4.12 RETAINING WINGS

FUNCTIONS

1. Retains dirt in front of the roller (drum) to allow rocks and other debris to be sifted.
2. Pushes dirt along the path of travel filling in low spots.

CONFIGURATIONS

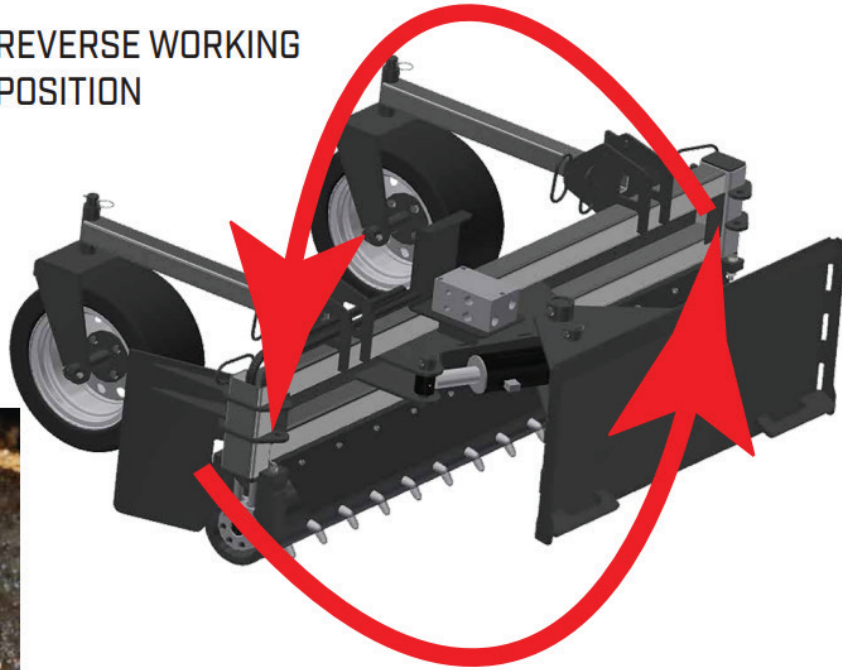
1. Working Position (Wings in the down position).
2. Storage Position (Wings in the up position).

If dirt needs to be pushed along while the machine is traveling in reverse, then the retaining wings should be installed according to the image on the following page.

4.12 RETAINING WINGS CONT.



REVERSE WORKING POSITION



WORKING POSITION

Retaining wings should be installed in the down position to push out rocks and debris from the working path and during final finish grading.

STORAGE POSITION

Retaining wings should be installed in the up position in unprepared and rough soil conditions..

NOTICE

Extremely rough and hard surface areas can damage the wings when they are installed in the down position.

4.13 OPERATING PROCEDURES

PREPARING SEED BEDS

1. **STAKEOUT** the desired location of the seed bed and **MARK** each corner using marking paint and wooden grade stakes.

4.13 OPERATING PROCEDURES

2. Carefully **INSPECT** the work area for any hazards. **REMOVE** objects that could damage the attachment such as metal piping, fence materials, cables and large rocks.
3. **CUT** grass taller than 6 inches and **REMOVE** the clippings before using the Power Rake. Tall grass can wrap and bind around the drum reducing machine performance.
4. **BREAKUP** areas with hard soil by tilting back the Power Rake until the gauging wheels lift from the ground and the rotating drum contacts the surface. Note: Gauging wheels may also be removed or stowed in the up position. If the machine starts to “bog” down or stall out, increase the engine RPM to maintain steady drum rotation. The retaining wings should be in the stored position during this process. Multiple passes may be necessary to ensure hardened soil has been pulverized.
5. To **REMOVE** rocks and debris, install the retaining wings in the working position and tilt the rake forward until the gauging wheels touch the dirt. Position the machine at one end of the work area then drive straight and make overlapping passes until rocks and debris are removed.

4.14 LEARNING YOUR ATTACHMENT



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



! CAUTION

USE CAUTION when operating on un-level ground surfaces. A machine roll over could result in Minor or Serious Injury. ALWAYS wear your seat belt when operating this attachment.

4.14 LEARNING YOUR ATTACHMENT CONT.

1. Before using this attachment, make sure you are knowledgeable and comfortable with the operation of the auxiliary hydraulic control as outlined in previous sections of this manual and in the machine's operator's manual.
2. When operating this attachment, set the machine throttle at a speed that will produce the required flow. If the machine is equipped with a foot throttle, use it to control engine speed and power being delivered to the attachment. Refer to your machine manual or call your local machine dealer for additional help if necessary.
3. Learn what the attachment looks like in a level position when you are seated in the machine. This will help you when operating the attachment.
4. The correct ground speed while using this attachment depends on the application and condition and can usually be monitored by sound and feel and depends on the material density.
5. Note that if the machine engine is bogging down because of load on the attachment, it will be necessary to decrease the load until the machine's power can overcome the material load on the attachment.

4.15 BEFORE USING YOUR ATTACHMENT

DANGER

ALWAYS contact 811, the "Digger's Hotline" to identify underground utilities to avoid an accident that could result in Death or Serious Injury!

WARNING

EXPOSURE to crystalline silica dust along with other hazardous dusts may cause serious or fatal respiratory disease. It is recommended to use dust suppression, dust collection and if necessary personal protective equipment during the operation of any attachment that may cause a high level of dust.

1. Inspect the area to be worked and make sure it is free of any buried utilities, rocks, fence posts, or any other hazards or objects that you do not want to move.
2. Observe overhead electrical and other utility lines. Be sure equipment will clear them.
3. Determine a safe and efficient pattern before the start of the job.



! DANGER

ALWAYS contact 811, the “Digger’s Hotline” to identify underground utilities to avoid an accident that could result in Death or Serious Injury!



ALWAYS be aware of your surroundings and pay attention to obstacles and terrain around you.

! DANGER

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

YOU MUST NOTIFY UTILITY COMPANIES OF YOUR INTENT TO DIG OR TRENCH BY CALLING 811 OR MAKING AN ONLINE REQUEST WITH YOUR STATE’S 811 CENTER A FEW DAYS PRIOR TO DIGGING OR TRENCHING. VISIT: [HTTPS://CALL811.COM/811-IN-YOUR-STATE](https://call811.com/811-in-your-state) TO CONNECT TO YOUR STATE’S 811 CENTER.



**Know what's below.
Call before you dig.**

4.17 OPERATING GUIDELINES

1. ALWAYS inspect the work area before starting the job. Locate and mark any utilities, steel posts, rocks or any other objects that could be damaged or could damage this attachment during operation.
2. NEVER assume the work area is safe and skip the inspection before start of operation.
3. Operate at a safe slow-paced speed that will allow you to watch the area ahead and behind the attachment and machine.
4. VERIFY that your back-up alarm is working properly to warn others when you are in reverse, but NEVER think that the alarm replaces your responsibility to visually check what is behind you.
5. Attachment control is the most important element to getting a good steady work flow. Overloading the attachment will only result in spinning the tracks or tires and will make unwanted ruts.
6. The Powered Rake should be set to operate level. Adjust the gauge wheel height to level the rake.
7. For best results any “green material” in the work area should be dry.
8. To thatch grass areas, lower the gauge wheels and tilt the rake forward so that the teeth on the drum are barely grazing the surface.
9. Use a loader bucket to remove large windrow piles
10. NEVER engage the auxiliary hydraulics at full engine rpm.
11. When the power rake is operated at an angle the machine will want to continue to veer in the direction of the angle. The operator must make adjustment with the machine controls to keep a straight line of travel.
12. Maintain sufficient RPM to avoid stalling the rotating drum.
13. Operating the power rake in reverse will remove the machine tracks.
14. Keep your distance from any type of utility, whether underground or in the air.

4.18 REMOVING DEBRIS WRAP

WARNING

Material such as rope, wire, roots, plastic etc. may wrap around the drum. **STOP IMMEDIATELY** and remove foreign material. A spinning drum can throw material causing injury to the operator and bystander. Material that wraps around the drum may cause premature wear and tear to bearing and bearing seals.

 **DANGER** To Prevent Serious injury or death, do not use blocking of any material that could suddenly collapse. Do not use wood or steel blocking that is warped, twisted, or tapered.

To REMOVE WRAPPED ROOTS AND GRASS:

1. Stop the forward motion of the host machine.
2. Raise the drum 12” above the ground.
3. Slowly reverse direction of the rotating drum.

To REMOVE WRAPPED WIRE OR ROPE:

1. Place your host machine on a level surface.
2. Place your host machine’s transmission in “Park” and engage the parking brake.
3. Lower the power rake onto preplaced blocking that will support the frame so that the drum teeth are not in contact with the ground.
4. Shut off your host machine’s engine, and relieve all pressure in the hydraulic lines.
5. Disconnect the hydraulic lines from your host machine and connect the two ends to each other to allow the drum to rotate freely.
6. Remove the material from the drum while allowing it to rotate manually.

SECTION 5

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.

WARNING

PARTS







Only use genuine **MANUFACTURER** 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 replacement parts on this attachment.

Safety Instructions

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

5.1 MAINTENANCE SCHEDULE.

This Power Rake 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.

Some of these maintenance tasks may not apply based on your power rake model.

MAINTENANCE TASK	BEFORE EACH USE	WEEKLY	YEARLY
<p>Check host machine's hydraulic fluid level. Add manufacturer recommended 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		
<p>Check that all fasteners (nuts, bolts, washers, pins, keepers) are in place. Tighten as necessary.</p>	X		
<p>Inspect and replace any worn, torn, or missing safety decals.</p>	X		
<p>Inspect hydraulic hoses and connectors for damage or leakage. Repair or replace hydraulic items as necessary.</p>	X		
<p>Check the condition of drum & teeth.</p>	X	X	X
<p>Wash power rake attachment</p>		X	
<p>Check power rake for major scratches & dings. Sand and repaint these areas to prevent rust damage. *Contact the manufacturer for approved OEM paint for your attachment.</p>			X

DANGER

ONLY service the power rake on stable, even terrain. NEVER park on sloped terrain to avoid being struck & killed or seriously injured by the unexpected rolling or movement of the skid steer.

5.2 CUTTING EDGE REMOVAL & REPLACEMENT

! DANGER

NEVER enter the area underneath the coupler or any part of the attachment when it is in the raised position to avoid an accident that will result in Death or Serious Injury!

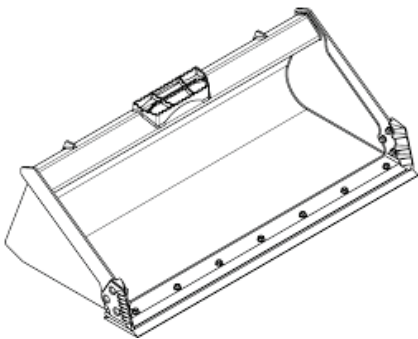
! WARNING

Hazardous dust can be generated if painted surfaces are heated or welded and could result in Death or Serious Injury. Remove paint before welding and always make repairs in a well-ventilated area and wear an approved respirator.

Bolt-on cutting edge replacement can be completed safely with proper torque values applied.

Weld-on cutting edge replacement is not a task for most machinery operators and should be referred to a welding shop that possesses the proper equipment, knowledge, and experience.

Replacement cutting edges are available from the manufacturer.



Attaching the Cutting Edge to your existing power rake bucket is a simple process that requires the use of the appropriate bolts and nuts, then torquing to the correct specifications as listed on page 36.

Contact your dealer for help with specific problems.

! CAUTION

Cutting edges can be very heavy and could cause Minor or Serious Injury if mishandled. ALWAYS wear protective gloves and footwear.

5.2 CUTTING EDGE REMOVAL & REPLACEMENT CONT.

WELDING REPAIRS

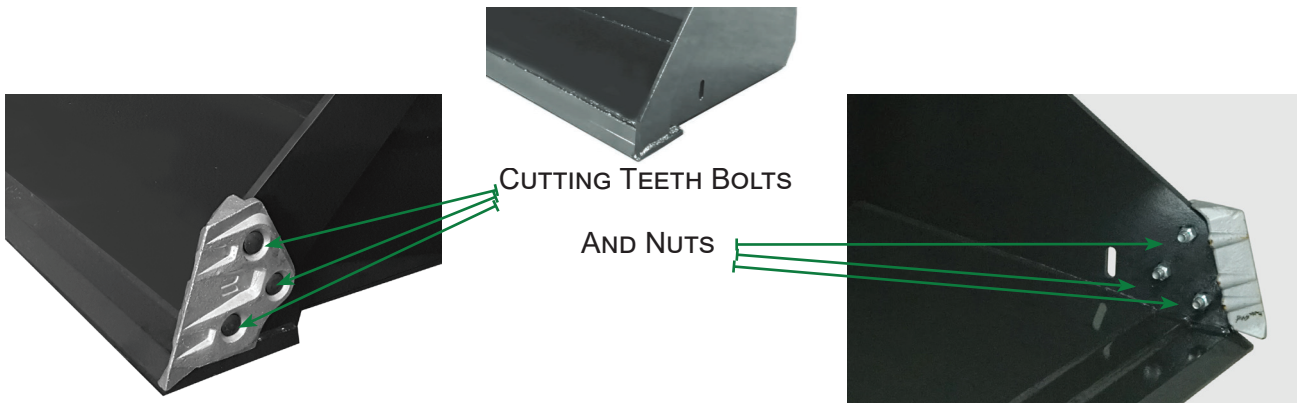
Welding on attachments must be performed by certified welders who have requested and obtained written approval from an authorized representative of the manufacturer before welding begins.

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 power rake bucket unsafe to operate and **VOID THE WARRANTY!**

5.3 SIDE CUTTING TEETH REMOVAL AND REPLACEMENT (OPTIONAL)

CAUTION

Cutting edges can be very heavy and could cause Minor or Serious Injury if mishandled. ALWAYS wear protective gloves and footwear.



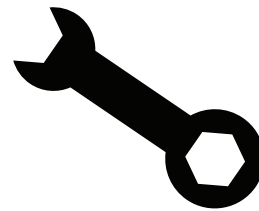
Carefully remove the **3- 5/8" Carriage Bolts, flat washer, and nuts** per side that hold the cutting teeth in place. Replace the cutting teeth, rebolt and torque to specifications.



5.4 MAINTENANCE LOG INSTRUCTIONS



MAINTENANCE LOG



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

10. MAINTENANCE

MAINTENANCE LOG

DESCRIPTION OF MAINTENANCE/REPAIR	SERVICED BY:	DATE:
<i>Replace Pitter 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

5.5 STORAGE TIPS

	<p>Ensure power rake is free of debris, dirt and grease.</p>
	<p>Store your power rake in a dry shed or garage.</p>
	<p>When storing your power rake for the season, cover with a weather proof tarp to protect it from the elements.</p>


5.6 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

5.7 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:

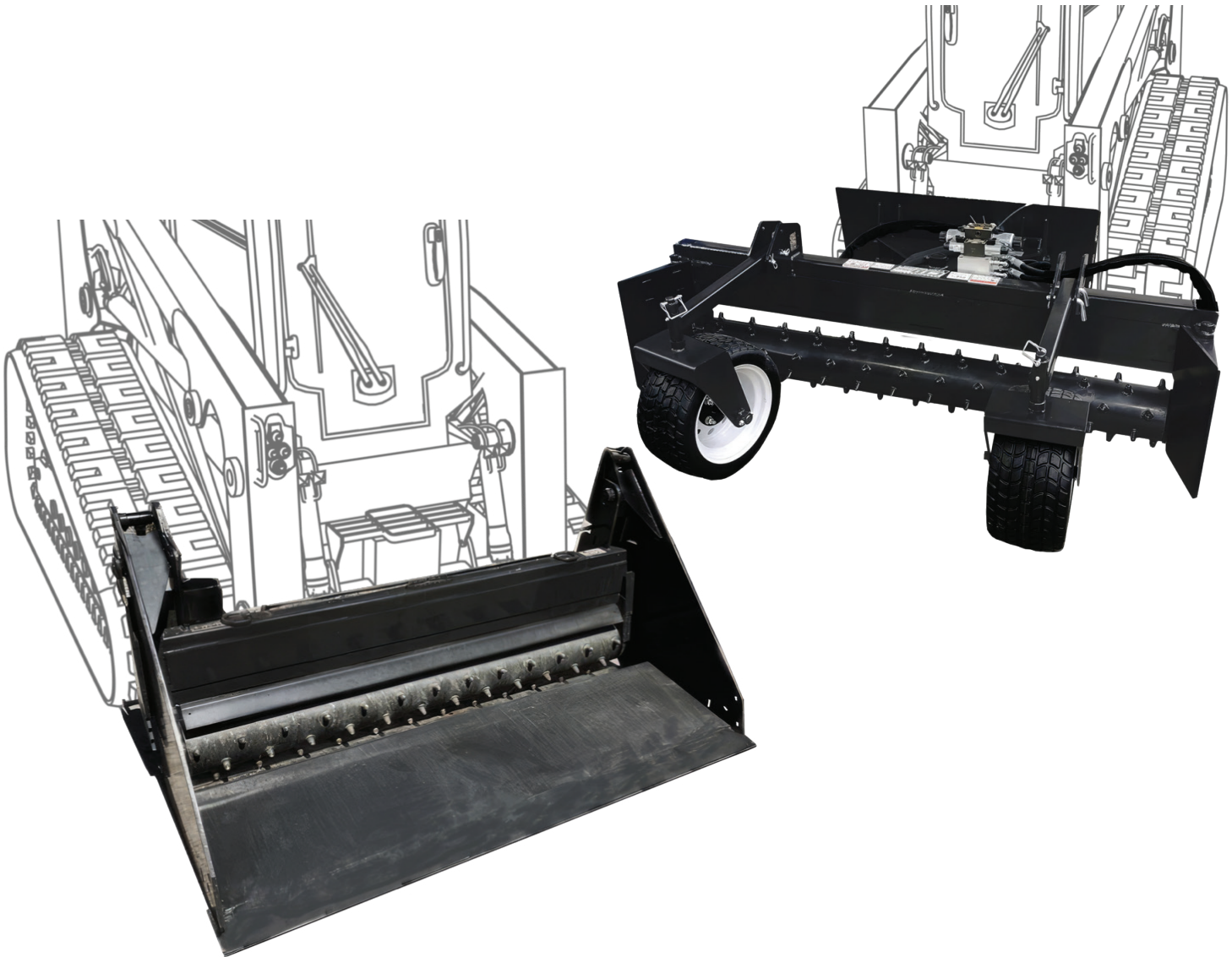
<https://next.henkel-adhesives.com/>

SECTION 6

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Drum will not rotate.	<ol style="list-style-type: none"> 1. Auxiliary hydraulic hoses not connected. 2. Auxiliary hydraulics not engaged. 3. Air in hydraulic lines. 4. Obstruction in hydraulic lines. 5. Obstruction between rotor and material bar. 6. Relief valve setting on machine not properly adjusted. 7. Worn, damaged, insufficient, or inadequate pump. 8. Insufficient fluid in system. 9. Hose ends not completely engaged. 	<ol style="list-style-type: none"> 1. Connect Hoses (See Installation/Removal) 2. Turn on Auxiliary Hydraulics 3. Cycle machine auxiliary system several times to remove air from line. 4. Replace obstructed or damaged line. 5. Reverse rotor to clear obstruction. 6. Have machine dealer set relief valve at correct pressure. 7. Repair or replace hydraulic pump. 8. Service the machine hydraulic reservoir. 9. Check hose coupling and engage properly.
Hydraulic Fluid leaks	<ol style="list-style-type: none"> 1. Worn or damaged seal. 2. Loose or damaged hoses. 3. Loose or damaged connections 	<ol style="list-style-type: none"> 1. Replace leaking seal. 2. Replace damaged hoses and secure loose hoses. 3. Replace damaged hose connections and tighten loose fittings.
Operating depth insufficient.	<ol style="list-style-type: none"> 1. Wheels too low. 2. Drum RPM too slow. 3. Build up of dirt on drum. 	<ol style="list-style-type: none"> 1. Raise wheels. 2. Increase machine RPM or adjust hydraulic flow to motor. 3. Clean drum.
Too much dirt going into the windrow or dirt going over the top of the side plates.	<ol style="list-style-type: none"> 1. Operating 2. Wheels set too high 	<ol style="list-style-type: none"> 1. Reduce ground speed 2. Lower wheels
Hydraulic hose failure.	<ol style="list-style-type: none"> 1. Hose being pinched. 2. Hoses worn or frayed. 3. Hydraulic relief pressure set too high on machine. 	<ol style="list-style-type: none"> 1. Reroute hose and fasten it out of the way. 2. Replace hose. 3. Adjust relief pressure.
Drum balling up with soil.	<ol style="list-style-type: none"> 1. Soil too wet. 2. Working in clay soil. 	<ol style="list-style-type: none"> 1. Wait until soil dries. 2. Reduce operating depth.
Excessive vibration and/or machine jumps over ground.	<ol style="list-style-type: none"> 1. Excessive debris wrapped on drum. 2. Drum speed not correct. 3. Hard soil condition. 4. Damaged or bent drum unit. 	<ol style="list-style-type: none"> 1. Remove trash (clean rotor). Increase drum speed if turning slow. 2. Decrease drum speed if turning too fast. 3. Wait for rain. 4. Replace drum unit.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Excessive tooth breakage	<ol style="list-style-type: none"> 1. Operator is dropping rotating rotor rapidly into hard ground. 2. Drum hitting large rocks or stumps. 	<ol style="list-style-type: none"> 1. Retrain operator. 2. Check work area before operating.
Angle cylinder will not extend or retract.	<ol style="list-style-type: none"> 1. Electrical failure. 2. Broken wire. 3. Electric connections not making contact. 4. Hydraulic system not activated. 	<ol style="list-style-type: none"> 1. See machine Operator Manual. 2. Replace or repair wire. 3. Check wiring harness and switch connections. 4. Engage drum drive motor before attempting to move angle cylinder.



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

SECTION 7

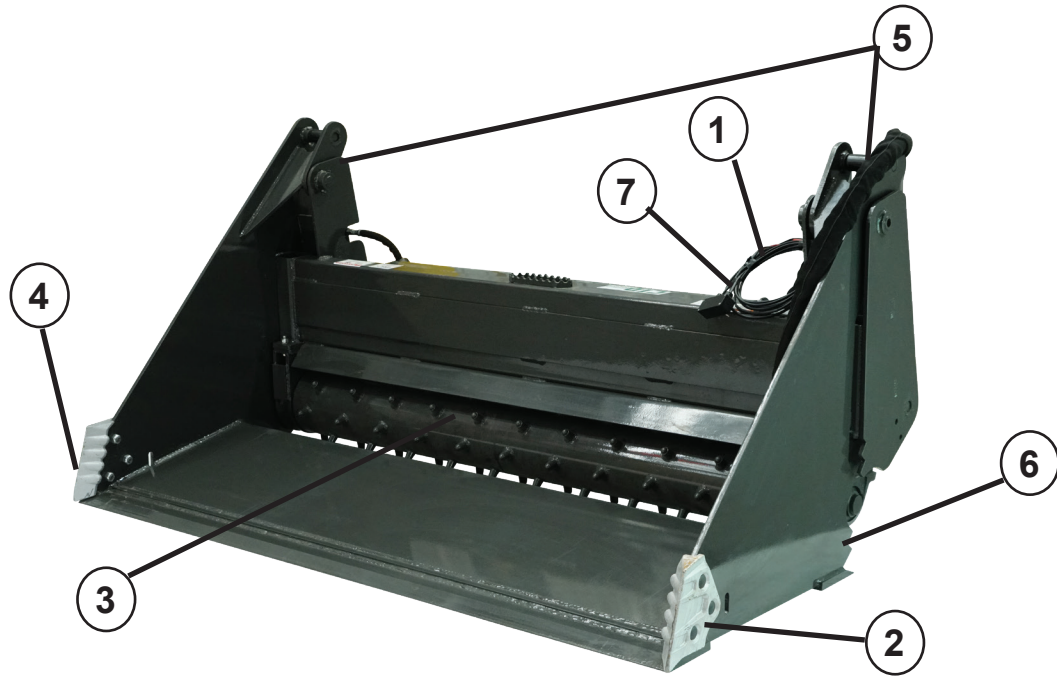
PARTS INFORMATION

Factory fresh 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:

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 MULTI-PURPOSE POWER RAKE PARTS DIAGRAM

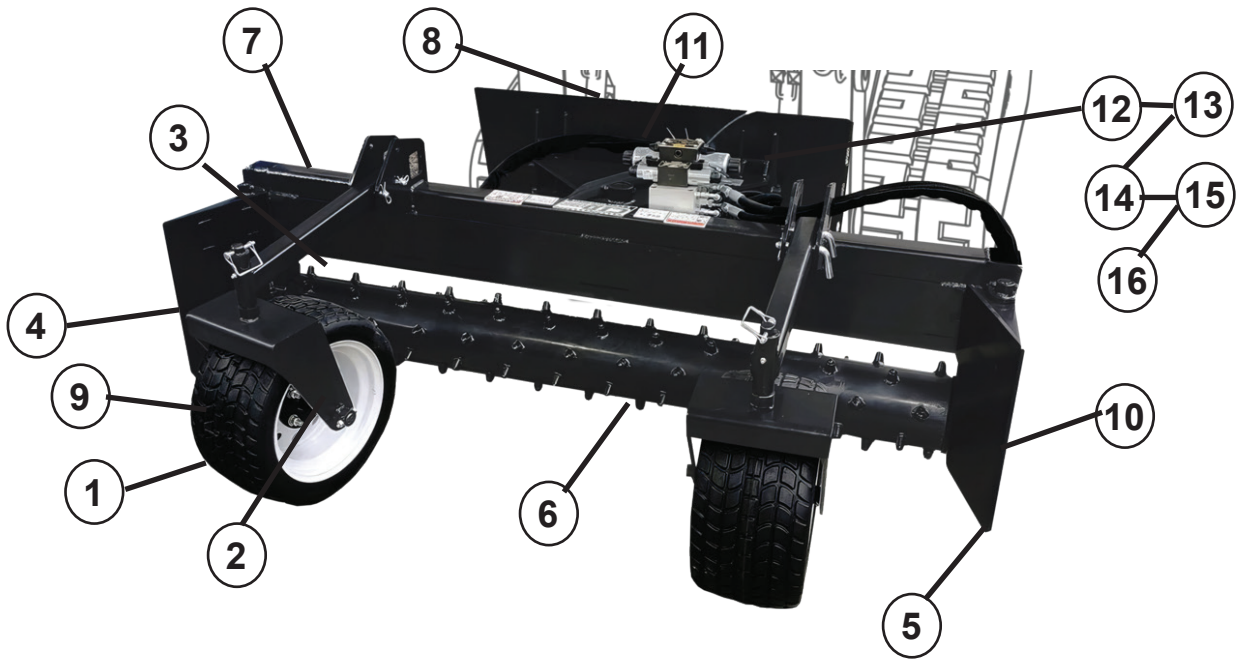


MULTI-PURPOSE POWER RAKE
72", 78", 84"

Ref. No	Part Description	Qty
1	Complete MPR Hose Kit	
	SKU: MPPR-straightflat-hose-72	1
	SKU: MPPR-straightflat-hose-78	1
	SKU: MPPR-straightflat-hose-84	1
2	Side Cutter (CID9216)	2
3	Power Rake Drum	
	SKU: MPPR-72-drum	1
	SKU: MPPR-78-drum	1
	SKU: MPPR-84-drum	1
4	Side Cutter (CID9217)	1
5	Cylinders (CID3074R)	2
6	Inset Power Rake 335 Motor-CID0190)	1
7	Harness Kit (These can vary. Please call for new one.)	1-2

Specify Bucket Width and Serial Number When Ordering Parts

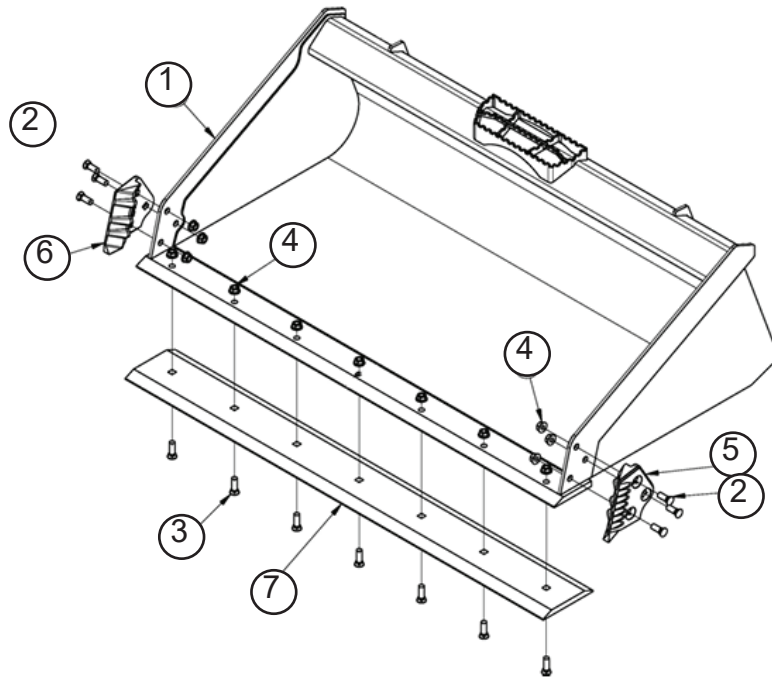
7.2 X-TREME POWER RAKE PARTS DIAGRAM



X-TREME POWER RAKE

Ref. No	Part Description	Qty
1	Wheel Hub	1
2	Wheel Holder	1
3	Wheel Arm	1
4	Right Side Retainer	1
5	Left Side Retainer	1
6	Drum	1
7	Back Frame	1
8	Hookup (Quick Attach)	1
9	Bearing Bracket	1
10	Motor Cradle	1
11	Triangle/Hinge Frame	1
12	Manifold (CID1111)	1
13	Flow Control (CID1110)	1
14	D3W Solenoid Selector-small (CID1109)	1
15	D1V Solenoid-large (CID3065)	1
16	3-1/2" x 4" Cylinder (CID3075)	1

7.3 TOOTH BAR & SIDE CUTTERS DIAGRAM



Ref. No	Part Description	Qty
1	Side Edge	1
2	Side Cutter Bolts	6
3	Cutting Edge Bolts	7*
4	Nuts	4
5	Side Cutter (Part Number: 9217)	1
6	Side Cutter (Part Number: 9216)	1
7	Cutting Edge	1

*QUANTITY DEPENDS ON SIZE.

Specify Bucket Width And Serial Number When Ordering Parts

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.

SECTION 9

SAFETY ACKNOWLEDGMENT

ATTENTION ALL OPERATORS: Print your name, sign and date in the boxes below to acknowledge that you have read and fully understand the safety instructions presented in this manual, and have been trained on how to safely operate this attachment.

OPERATOR NAME	SIGNATURE	DATE

SECTION 10

MAINTENANCE LOGSHEETS

Use this log sheet to document all routine maintenance and repair services performed on this attachment.

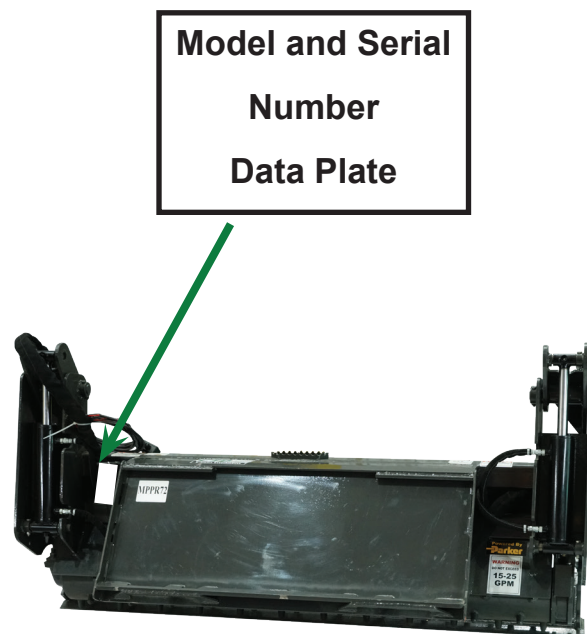
DESCRIPTION OF MAINTENANCE/REPAIR	SERVICED BY:	DATE:

APPENDIX A FINDING YOUR MODEL AND SERIAL NUMBER

The Model and Serial numbers will be in one place and 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:

1) Back- top left area



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

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