

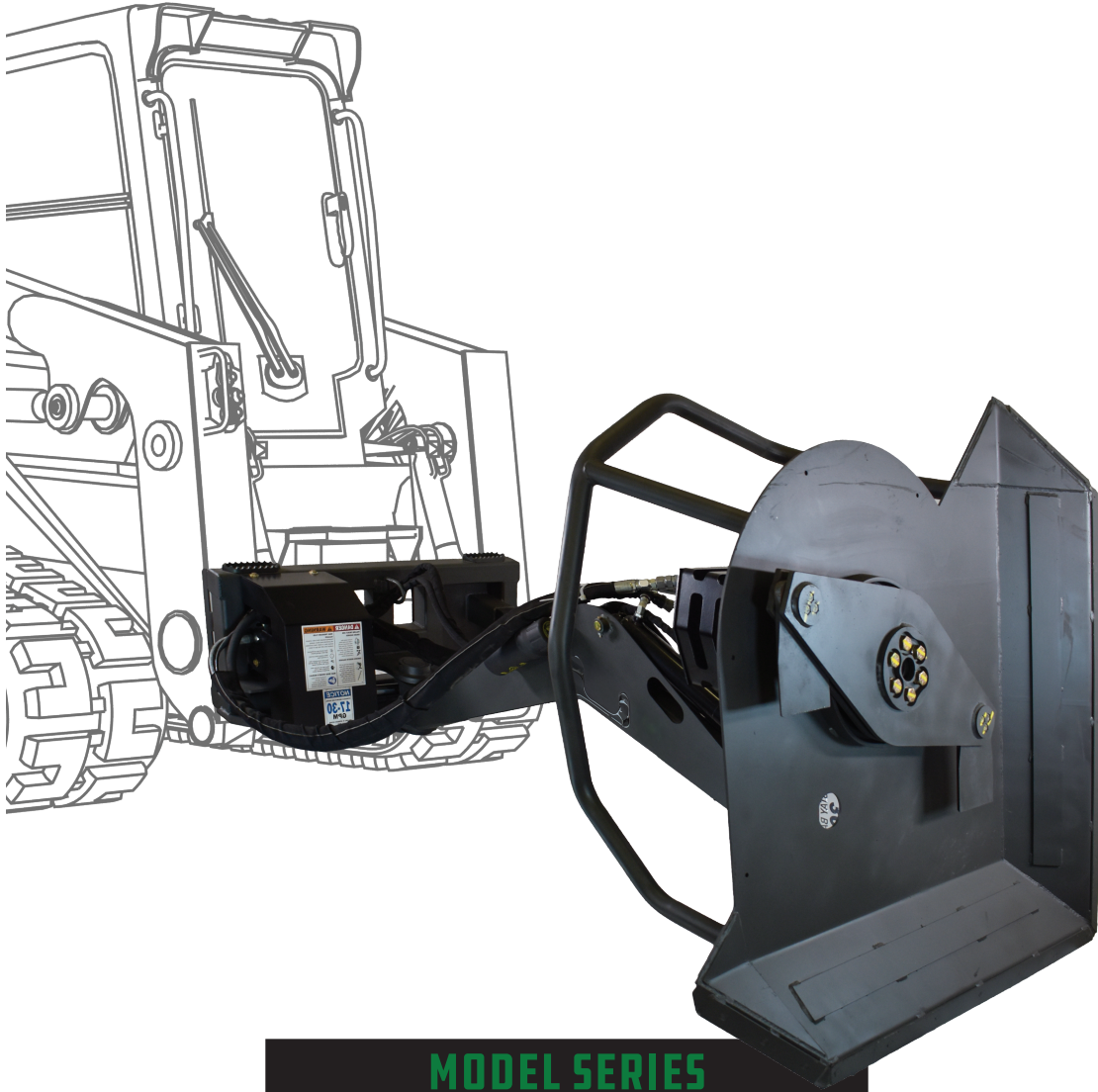


CID

SWING BOOM

BRUSH CUTTER

OWNER'S MANUAL



MODEL SERIES

14-20 GPM

17-30 GPM

SBC

SBCNS

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 brush cutter, 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 brush cutter until the user has read this manual and has developed a thorough understanding of the safety precautions and functions of the unit. This brush cutter is designed for the specific purpose of clearing brush. DO NOT modify or use this brush cutter for any application other than that for which it was designed. Brush cutters maintained or operated improperly or by untrained personnel can be dangerous, exposing the user and/or bystanders to possible serious injury or death.

**STORE THIS MANUAL IN THE
DOCUMENT CANISTER ATTACHED
TO THIS MACHINE.**



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



MODEL SERIES	SWING BOOM SBC	PISTON MOTOR SWING Boom(SBCNS)
GPM	14-20 GPM; 4,000 PSI (Optional) 16-26 GPM	17-30 GPM; 4,000 PSI
CASE DRAIN	NONE REQUIRED	REQUIRED
BLADES	2	2
VERTICAL REACH	16 FEET	16 FEET
HORIZONTAL REACH	8 FEET	8 FEET
CUT CAPACITY	3"	4"
WIRING HARNESS	UNIVERSAL, 7 PIN, 8 PIN OR 14 PIN	UNIVERSAL, 7 PIN, 8 PIN OR 14 PIN

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IMPORTANT WARRANTY DISCLAIMERS

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

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

We recommend using 85-140 grade gear oil, for use with all our gear boxes, and bearing housings which is separate from the hydraulic fluid used to move your attachment or machine.
(Exception: gear oil used in mulchers is Shell Omala S2 GX 150!)

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

NOTE: If your attachment requires a case drain, the warranty **WILL BE** immediately voided if the attachment is ran without it. Please refer to specifications sheet on page 35 of this manual.

SECTION 2

SAFETY INFORMATION

The following terms may be used interchangeably throughout this manual.

Term	Alternate Terms Used
Swing Boom Brush Cutter	implement, attachment, swing Boom, swing boom, machine, brush cutter, cutter
Machine	skid steer loader, skid steer tractor, loader, prime mover, tractor
Operator	user, personnel

This Swing Boom Brush Cutter 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 brush cutter. Accident prevention is a combination of good judgment, common sense, awareness and proper training!

⚠ BEFORE YOU OPERATE THIS SWING BOOM BRUSH CUTTER:

KNOW how to safely operate your skid steer loader.

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



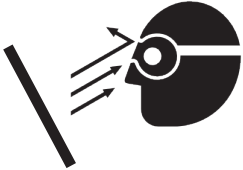



Indicates a situation which may cause damage to equipment or property.
Messages are not related to personal injury.

Safety Instructions

Indicates specific safety-related instructions or procedures.

2.3 SAFETY PICTOGRAMS



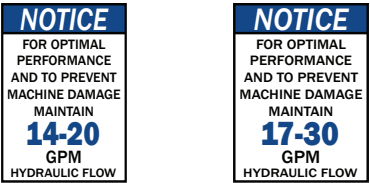

Pictograms are graphic symbols meant to alert you of a potential hazard. Read and understand the hazard description for each of these symbols.

Pictogram	Description
	<p>PINCH HAZARD: Keep clear of machine and Swing Boom Brush Cutter 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 Booms to prevent death or serious injury from being crushed .</p>

2.4 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:

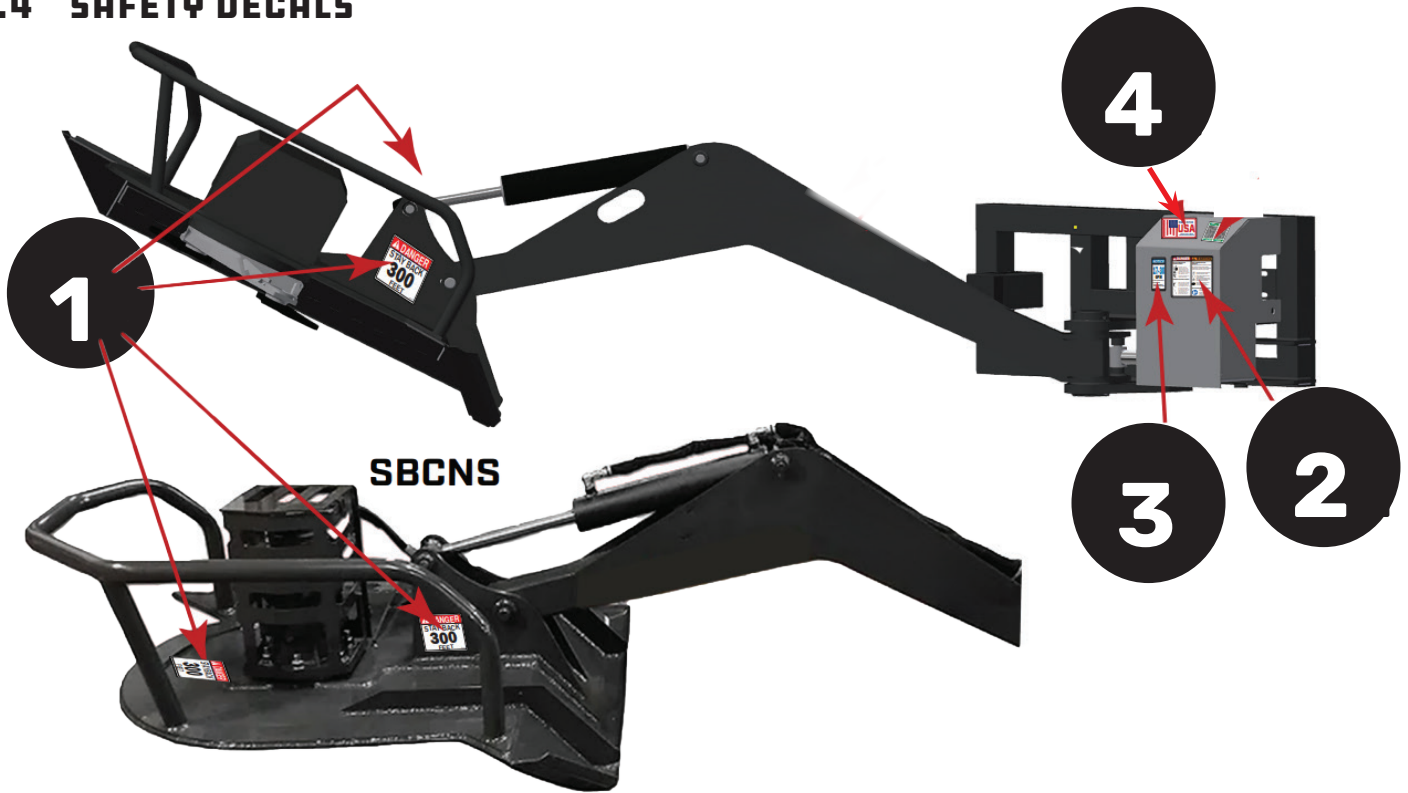
REF	DESCRIPTION	LABEL	QTY
1	DANGER STAY BACK LABEL (CID-12A)		4
2	8X8 DANGER COMBO (CID-82)		1
3	AUXILIARY HYDRAULIC FLOW NOT TO EXCEED NOTICE LABEL (CID-13 or CID-40)		1
4	MADE IN THE USA (CID-09)		1

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

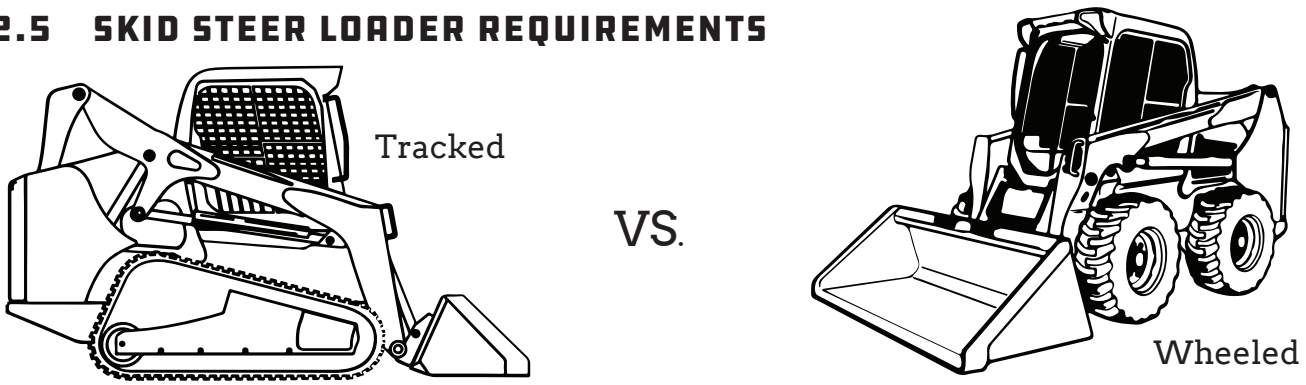
CONTACT YOUR LOCAL DEALER TO ORDER REPLACEMENT DECALS

-  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.
-  Use care when cleaning the attachment. 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 machine.
-  Make sure metal surface is dry and free of dirt and grease before affixing decals to this machine.

2.4 SAFETY DECALS



2.5 SKID STEER LOADER REQUIREMENTS



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

Machines must have impact resistant windshields and cab side windows.

THE Brush Cutters should only be used on machines that meet the following requirements:

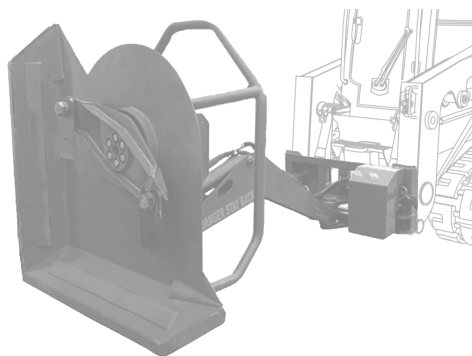
SKID STEER	STANDARD DUTY
Min. Lift Capacity	1,800 lbs
Min. lbs. with Cutter Removed	6,500 lbs
Engine HP	>65
Electrical Connector	12V Auxiliary

2.6 GENERAL SAFETY INSTRUCTIONS



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

- ! NEVER** use drugs or alcoholic beverages while operating or servicing this attachment.
- ! 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 hands or feet under mower deck while blades are spinning.
- ! NEVER** operate this Swing Boom Brush Cutter 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 cutter deck.
- ! NEVER** leave equipment unattended with the engine running, or with this attachment in a raised position.
- ! 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 cutter blades as they are often very sharp.
- ! ALWAYS** use eye protection while operating or servicing this 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** operate this attachment during lightning or severe weather conditions.
- ! DO NOT** allow riders on the machine or on this attachment.
- ! DO NOT** speed! Keep your driving between 2 and 5 mph.



2.7 FEDERAL LAWS & REGULATIONS

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

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

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

This Act Seeks:

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

Sec. S(a) Each Employer – **DUTIES**

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

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

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

OSHA Regulations

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

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

Permit no riders on equipment;

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

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

EMPLOYEE MACHINE OPERATING INSTRUCTIONS:

1. Securely fasten your seat belt if the machine has the capability.
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 arrives from the factory strapped to a wood pallet and requires no final assembly. Use a steel band cutting tool to remove the steel straps.

! CAUTION

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

3.1 PRE-OPERATING CHECKLIST

Pre-Operating Checklist	
<input type="checkbox"/>	Swing Boom Cutter is securely attached to the machine.
<input type="checkbox"/>	Hydraulic hoses are connected and locked to the machine hydraulic couplers with no signs of hydraulic oil leaks present.
<input type="checkbox"/>	Blades are in working condition and securely attached to the blade holder 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 blades and blade holder assembly.
<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.

3.2 HOW TO CONNECT SWING BOOM BRUSH CUTTER ATTACHMENT

GENERAL ATTACHMENT METHOD

Refer to your skid steer 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 Swing Boom Cutter's 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 cutter 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 Swing Boom Cutter attachment bracket is flat against the skid steer Quick Attach Coupler. See figure 3.2a below.

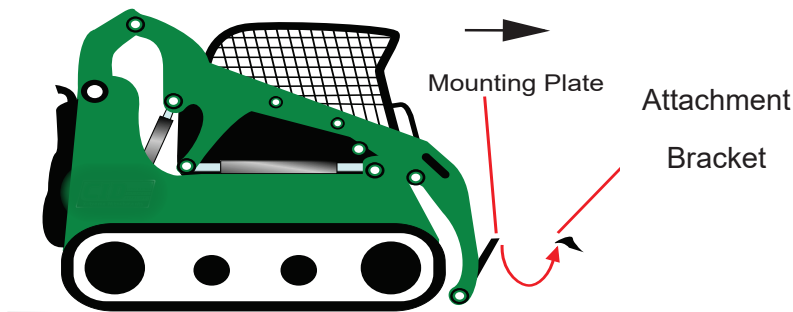


FIGURE 3.2A - SKID STEER QUICK ATTACH COUPLER TO ATTACHMENT BRACKET

4. Activate your skid steer's lever lock switch to lock the pins into the Swing Boom cutter's attachment bracket. If your skid steer does not have this switch, manually lock the pins as shown in Figure 3.2b below.

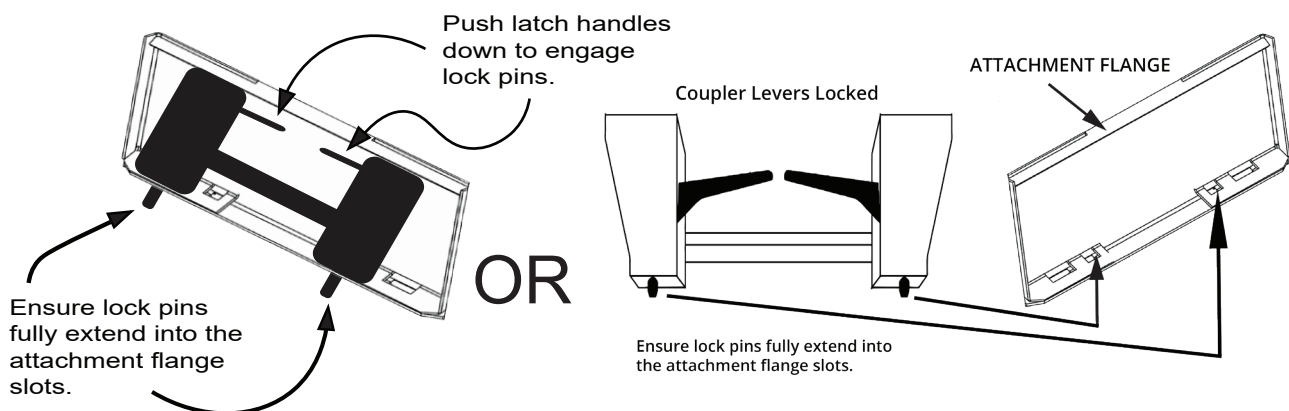


FIGURE 3.2B QUICK ATTACH COUPLER LOCKED TO ATTACHMENT BRACKET

3.2 HOW TO CONNECT SWING BOOM BRUSH CUTTER 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 cutter from detaching from machine.

NOTICE

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

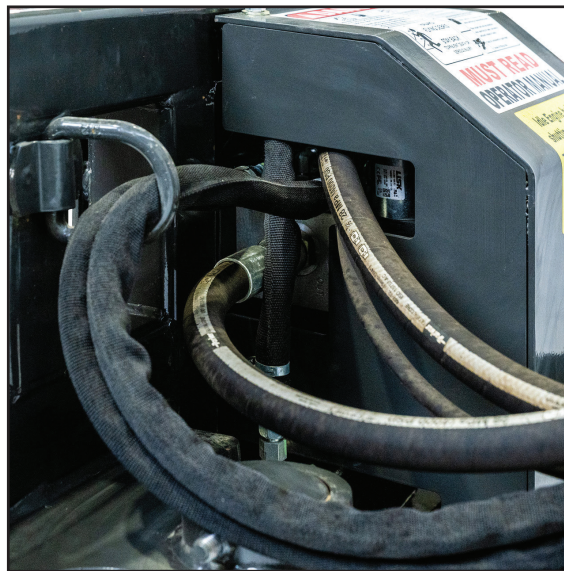
5. Connect the attachment hydraulic hoses and the case drain hose (SBCNS model only) to the auxiliary supply couplers located on your machine loader lift Boom.

NOTICE

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



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



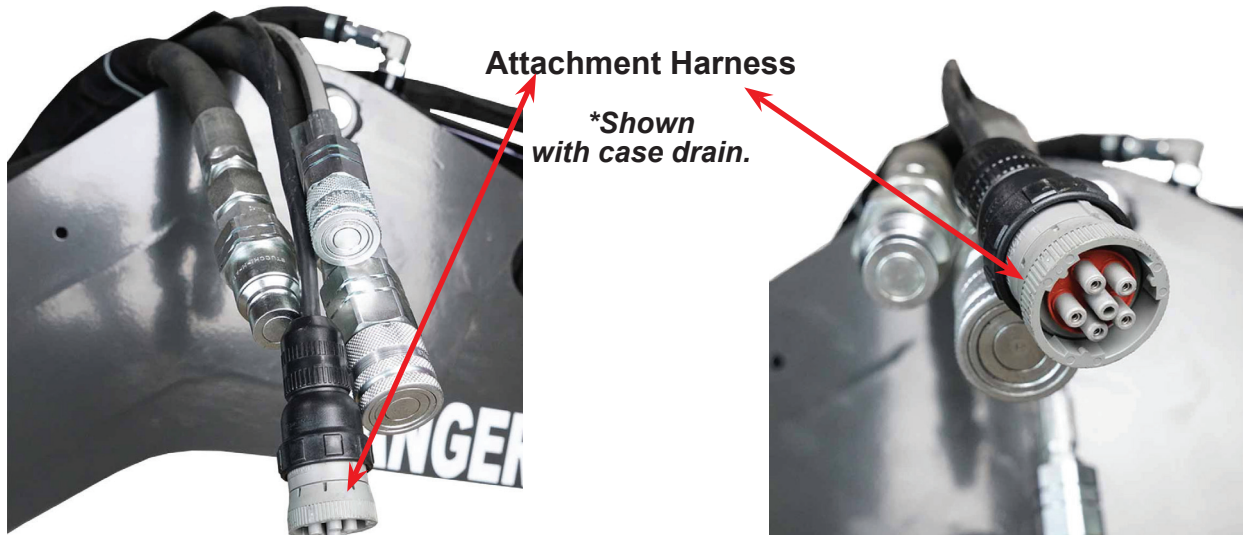
! WARNING

DO NOT operate this attachment if you can see the cutter blade while seated in the operator's seat. If the operator can see the cutter blade, the back of the cutter is raised TOO HIGH!

Lower the cutter deck to avoid debris being thrown at the operator.

3.3 CONNECTING THE ELECTRICAL HARNESS

Connect the electrical attachment harness from the Swing Boom Cutter to the electrical bulkhead connector mounted on the machine loader Boom. A *universal, 7, 8, or 14 pin* pigtail harness adapter is available to make this connection. See Electrical Drawings, on page 42 for more information.



3.4 PADDLE CONTROLLER INSTALLATION

If your machine **does not** have an auxiliary electrical connector, you will use the paddle controller to control the tilt and swing functions of the Swing Boom Cutter.

NOTICE

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

TO INSTALL PADDLE CONTROLLER:

1. Place the paddle controller on the seat inside the machine cab and route the power source cable that extends from the left side of the paddle controller to a point where the red wire with fuse can be connected to the machine's operator presence system, and the black wire connected 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.

3.4 PADDLE CONTROLLER INSTALLATION CONT.

2. Route the control cable that extends from the right side of the controller box through the cab and up to the back of the loader pivot Boom, then down the Boom to a point near the hydraulic couplers. *Note: Secure this cable using plastic cable ties along the inside of the loader Boom 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 Booms.
4. Route the Velcro lap strap through the metal brackets at the bottom of the paddle controller, then secure paddle controller to your leg.

! WARNING

To avoid unwanted attachment movement that may result in serious injury, remove paddle controller from lap when exiting the machine.

3.5 SWING BOOM CUTTER CONTROLS

To operate the swing Boom controls the machines auxiliary hydraulic system must be activated. To swing or tilt the cutter head you will use your machine's auxiliary controller or the paddle controller attached to your leg.



Typical Machine Auxiliary Electric
Controller



Paddle Controller

3.5 SWING BOOM CUTTER CONTROLS CONT.

NOTE: When using the controls to swing the Boom or tilt the cutter head, the cutter speed will slow down. The cutter will resume its normal operating speed once the swing or tilt action has stopped.

SWING FUNCTION

The Swing Boom Cutter rotates 90° to the right of the machine's mounting point. Use the LEFT or RIGHT buttons on the controllers to stop the Boom anywhere between 0° and 90°.

While the swing function does rotate 90°, it is recommended to run the attachment all the way to the right (touching the stop), or directly in front so as to maintain visibility and decrease the chance of hitting a hard object and damaging the swing cylinder or other area of the attachment.

! DANGER

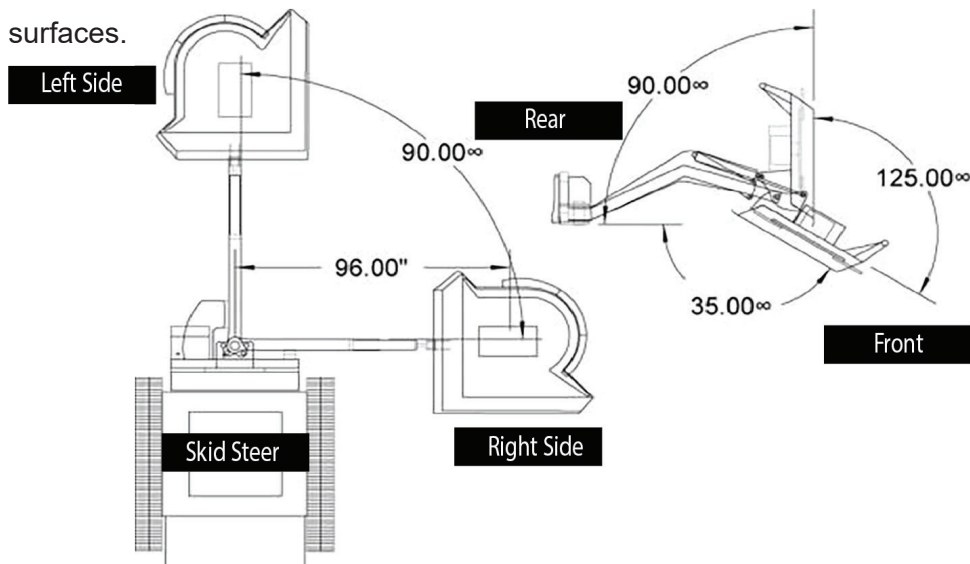
To prevent Serious injury or death from pinching, keep all persons and objects away from the Swing Boom while it is operating.

! CAUTION

With the Swing Boom swung at 90°, you must be aware of any obstacles and terrain in front of the cutter head and in front of your machine. Lack of awareness may cause the machine or Swing Boom Cutter to strike obstacles that may result in serious injury or damage to equipment.

TILT FUNCTION

The Swing Boom Cutter deck can tilt up 90° from the horizontal position and tilt down 35° from the horizontal position. Use the UP and DOWN buttons on your machine's auxiliary electric controller, or paddle controller to tilt the cutter head. The tilt function is used for cutting on sloped terrain surfaces.



NOTICE

Before operating Swing Boom Cutter, check the hydraulic fluid level in the machine and add fluid if necessary. *Please refer to our “Hydraulic Fluid and Oil Statement” on Page 5 for gear oil or hydraulic fluid instructions.*

! WARNING

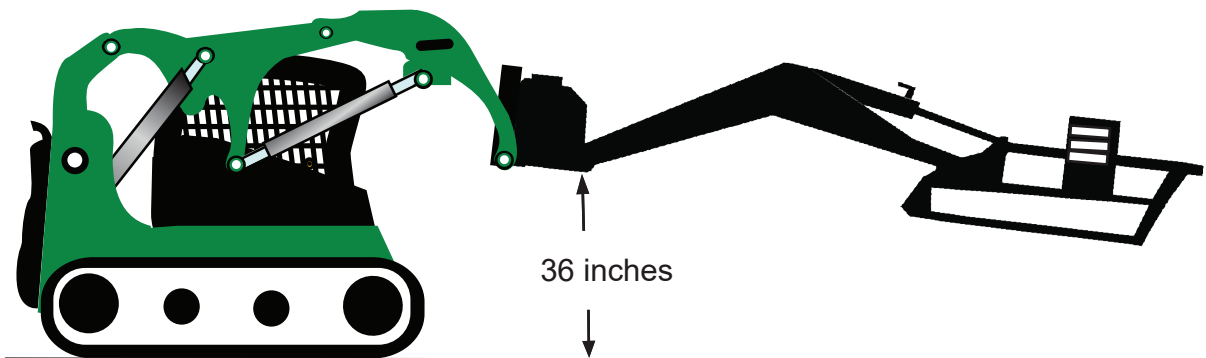
(THIS ONLY APPLIES TO THE PISTON MOTOR SWING BOOM CUTTER.)

Make sure the case drain hose is properly attached to the prime mover’s case drain connection.

DO NOT operate this attachment **WITHOUT** the case drain hose attached.

Warranty WILL BE void if attachment is ran without the case drain hose connected. Excessive hydraulic pressure can blow out seals and damage the motor.

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



After starting the machine, lift attachment 36 inches off the ground surface:

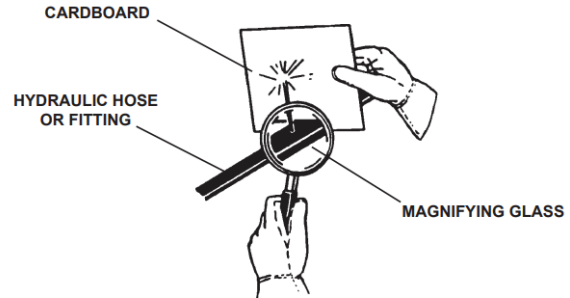
1. Set machine engine RPM to just above idle and flip the auxiliary hydraulic switch to the ON position.
2. Swing the Boom to the right using the machine’s auxiliary electrical controller, or by holding down the RT button on the paddle controller.
3. Tilt the cutter up by holding down the UP button on the paddle controller.
4. Then tilt in the opposite direction by holding down the DOWN button.
5. Swing the Boom to the straightforward position and tilt the cutter to the level position using the buttons on the paddle controller.

3.6 FIRST TIME USE CONT.

6. Allow the cutter to run for 30 seconds to purge air from the system, then switch off the auxiliary hydraulic flow and allow cutter blades to come to a complete stop.

! 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.



7. Lower the brush cutter to the ground, set the parking brake, shut off machine engine and exit the cab.
8. Check the hydraulic fluid level in the machine, add manufacturer recommended fluid if necessary.
9. Inspect the brush cutter hydraulic hoses & connectors for noticeable leaks. Fix before continuing.

3.7 CUTTING OPERATIONS

GENERAL OPERATING TIPS

1. **LEARN** what the cutter head looks like in a level position when you are seated in the machine. Knowing what a level cutter head looks like will prevent you from damaging the cutter blades if you cut too close to the ground.
2. **SLOW** down the machine if the engine “bogs” down or if the cutter speed is too slow because of too much load.
3. **LISTEN** and **FEEL** for any strange vibrations or noises. If you feel a strong vibration while cutting, slow the machine down and see if the vibration stops. If not, stop the Swing Boom Cutter, lower the attachment, turn off the machine engine and investigate the cause. Refer to the “Troubleshooting Chart” on page 34 of this manual.
4. **ALWAYS** be aware of your surroundings and pay attention to obstacles and terrain in front of you.

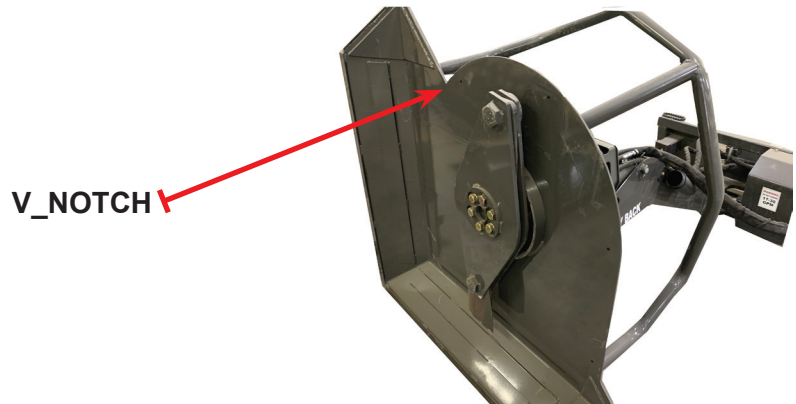
NOTICE

If the brush cutter vibrates while increasing RPM's, switch off the auxiliary hydraulic circuit and investigate the cause. Refer to the Troubleshooting Chart on page 34 of this manual.

! CAUTION

NEVER use your cutter to push, pull, lift or move any type of object or vehicle. **DO NOT** use this brush cutter to “push” down trees. The new style Swing Boom Cutter can cut down small trees up to 4” in diameter. (Old Style can cut up to 3” trees.) To cut down small trees, place the tree trunk inside the “V-NOTCH” at the front of the cutter.

Your Swing Boom Cutter is designed to cut vegetation with the cutter head in the vertical position. Vertical cuts are great for widening pathways, roadways and other access areas.



***OLD STYLE BLADE HOLDER SHOWN**

! WARNING

Vertical cutting can disperse flying debris over a large area and cause death or serious injury to bystanders. **DO NOT** operate this cutter when bystanders are within 300 feet of this machine..

! WARNING

Use care when operating on uneven terrain or any type of sloped surface. Be aware of the center of gravity when using the excavator cutter to avoid a roll over accident that could result in serious injury or death.

! DANGER

To prevent from being electrocuted and killed, watch out for overhead electrical lines when operating the cutter boom..

TO CUT VERTICALLY:

1. Raise the machine Booms.
2. Tilt the cutter head to the vertical position.
3. Swing the Boom to the right (all the way to the stop) to the desired cutting position.
4. Raise and lower the machine Booms to trim around branches.

3.8 HOW TO DISCONNECT SWING BOOM BRUSH CUTTER

DISCONNECTING BRUSH CUTTER

1. Park machine on a flat and level surface then lower cutter to the ground.
2. Turn off auxiliary hydraulic circuit; relieve hydraulic pressure by moving the joysticks back and forth or pressing the hydraulic relief valve (if applicable).
3. Set parking brake and disengage lock pins using the lock lever switch (if installed).
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. Disconnect electrical wiring harness.
7. Pull latch handles to disengage lock pins.
8. Re-enter cab and start machine engine.
9. Tilt mounting coupler forward until Quick Attach Coupler is free from mounting bracket.
10. Drive machine backward to clear cutter.

NOTICE

If the cutter speed slows down, reduce your travel speed and allow the cutter to reach the proper rotating speed. Mowing TOO fast in thick vegetation could result in “balling” of the material underneath the cutter deck resulting in a loss of cutting efficiency.



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 machine.

Some procedures require special tools and skills to complete. **DO NOT** attempt to repair or perform service work on this machine 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 machine. We will not be liable for any damages or injuries caused by the use of after market parts on this machine.

NOTICE

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

Safety Instructions

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

- ! Wear proper Personal Protective Equipment (PPE) while working on this machine, which may include safety glasses, hard hats, steel toe boots, gloves, etc.**
- ! If servicing is performed while the Swing Boom Cutter is attached to the machine, lower the attachment to the ground, 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. Only perform service work in a well-lit area.**
- ! Allow the attachment to cool down before servicing this attachment. Hot oils can burn your skin.**
- ! NEVER work under an unsupported cutter deck.**

4.1 MAINTENANCE SCHEDULE.

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

MAINTENANCE TASK	BEFORE EACH USE	WEEKLY	YEARLY
<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 plumbing (hoses and connectors) for damage or leakage. Repair or replace hydraulic items as necessary.</p>	X		
<p>Check condition of cutter blades. Sharpen or replace as necessary.</p> <p><i>*We recommend replacing the bushing & bolts with the blades.</i></p>	X	X	
<p>Check oil level in bearing house. Add fluid as necessary.</p>		X	
<p>Change 85-140 oil in bearing house. *Change oil after 50 hours of first time use, then every 1000 hours or yearly.</p>			X 1,000 HRS
<p>Wash brush cutter</p>		X	
<p>Check brush cutter 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

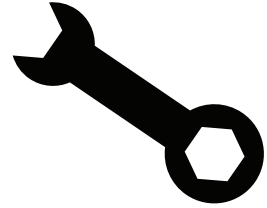
ONLY service this attachment on stable, even terrain. **NEVER** park on sloped terrain to avoid being struck and killed or seriously injured by the unexpected rolling or movement of the attachment or machine.

4.2 MAINTENANCE LOG INSTRUCTIONS

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



MAINTENANCE LOG




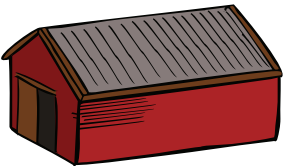

10. MAINTENANCE

MAINTENANCE LOG

DESCRIPTION OF MAINTENANCE/REPAIR	SERVICED BY:	DATE:
<i>Replace Cutter Blades</i>	<i>Joe Smith</i>	<i>01/24/24</i>
<i>Inspect 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 Swing Boom Cutter, follow these tips when storing your cutter for the season:

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


4.4 TORQUE SPECIFICATION TABLE AND INSTRUCTIONS

BOLT TORQUE INSTRUCTIONS

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

TORQUE VALUES

SAE GRADE 8

	DRY	LUBRICATED
	lb.-ft.	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/>

4.5 TORQUE EQUIPMENT REQUIREMENTS CONT.

WARNING

To avoid serious injury or death only use jacks, hoists, lifts and tools that have the capacity for the job. Use certified safety stands rated to support the applicable load.

PERSONAL PROTECTIVE EQUIPMENT (PPE) REQUIREMENTS BOLT TORQUE REQUIREMENTS



4.6 BLADE HOLDER REMOVAL

DANGER

To prevent a crushing death by the machine Booms, a lift Boom lock must be installed on the machine hydraulic piston by a second person before the operator can exit the machine cab. Refer to your machine operator's manual for lift Boom lock installation procedures.

DANGER

ONLY service the cutter 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..

NOTICE

ALWAYS release the hydraulic system pressure from the auxiliary hydraulic circuit prior to removing the blade holder.

4.6 BLADE HOLDER REMOVAL CONT.

CAUTION

When performing this procedure alone, rig a pair of choker slings through the blade holder and connect to an overhead hoist. This will prevent the blade holder from falling on to you causing injury to your body.

REMOVAL PROCEDURE - BRUSH CUTTER ATTACHED TO MACHINE

1. Place the Swing Boom attachment below an overhead hoist if available.
2. Position the cutter deck in a vertical position on the ground to gain access to the blade holder (Figure 4.4a below)
3. If the Swing Boom Cutter is attached to the machine shut off hydraulic flow to the cutter, and release pressure from the auxiliary hydraulic circuit.
4. Turn OFF machine engine, SET parking brake, and CHOCK machine wheels to prevent machine from moving.
5. Rig a pair of choker slings through the blade holder and connect to an overhead hoist. Keep tension on the slings to prevent the blade holder from falling once the bolts are removed.
6. Remove the **six 3/4 inch hex bolts** that secure the holder to the gearbox shaft. If the blade holder fails to separate, use a wedge breaker tool to help separate the blade holder the gearbox flange.
7. Use the hoist to place the blade holder on a suitable work surface.

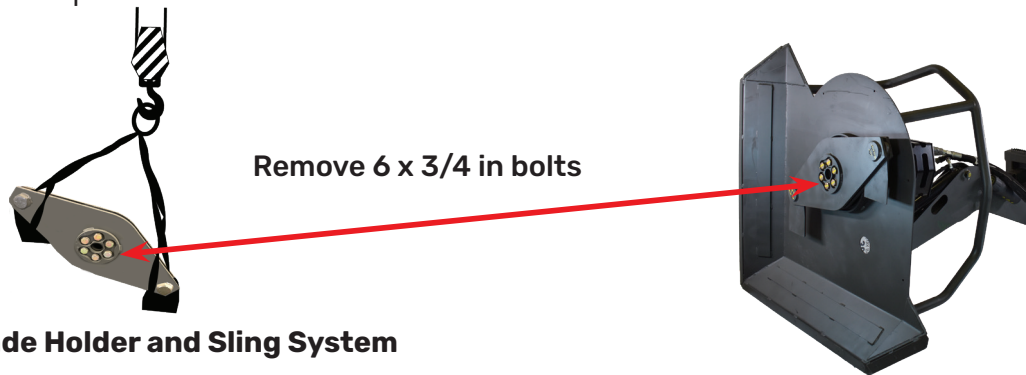


Figure 4.4a Blade Holder and Sling System

4.7 BLADE HOLDER INSTALLATION

INSTALLATION PROCEDURE

NOTICE

Use a hoist, lift table or forklift to support the blade holder during installation.

1. Align the hole in the blade holder to the gearbox shaft and fully seat the holder into the shaft.
2. Tap the blade holder with a rubber hammer to ensure full engagement. The blade holder must be properly aligned and seated on the gearbox shaft spline before proceeding to the next step..
3. **Lubricate the six 3/4 inch diameter grade 8 hex bolts with Loctite 635 or equivalent.**
4. Torque bolts to **280 ft.-lbs** as per torque specifications on the Torque Chart on page 26.

NOTICE

This procedure requires special tools and skills. DO NOT attempt to remove or sharpen blades if you do not have the tools or skills. Take your cutter to your local dealer for blade services.

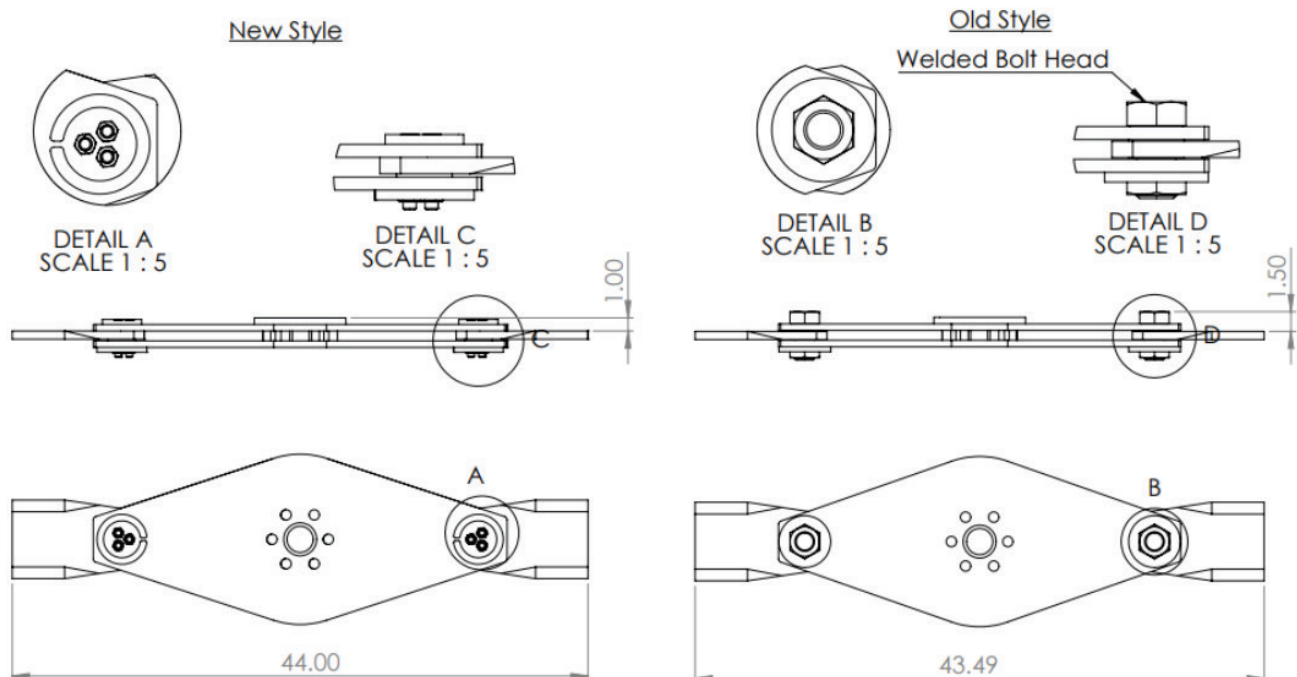
CAUTION

Cutter blades are sharp and could cut you if mishandled. ALWAYS wear protective gloves and footwear when handling cutter blades.

BLADE REMOVAL PROCEDURE

PLEASE NOTE: For previous styles of bolt attachments as depicted in “Old Style Welded Bolt Head”, please refer to Appendix A at the end of this manual.

1. Remove the blade holder as described in Section 4.6 of this manual.
2. Remove the three bolts and nuts that secure the blade to the blade holder. (See Detail A below.)
3. Drive the bolt shank from the blade and blade holder, being careful not to let the blade fall onto your feet.
4. Repeat steps 2-3 for the second and third bolts.



4.9 BLADE SHARPENING AND REPLACEMENT NOTES

Blade Sharpening and Replacement Notes

- Sharpen cutter blades with the appropriate tool.
- When sharpening the blades, be careful not to overheat the blade steel causing the blade material to become brittle and prone to early failure.
- Grind each blade to the similar shape and size so as to not create a set of mismatched blades. Mismatched blades or severe distortion of blade or blade holder may result in excess vibration or unbalancing which could result in damage to your attachment.
- ALWAYS sharpen or replace cutter blades as set.
- NEVER mix and match used blades with new blades as they will cause the brush cutter to be unbalanced and result in a vibration that may cause damage to other brush cutter parts.
- Install blades in the same orientation they were in when removed.
- Opposing blades must be installed in the same orientation.
- Flip all blades at the same time if you wish to use the blades opposing edges.
- You MUST reinstall the bushing prior to re-bolting the bushing. DO NOT REPLACE with any other hardware!
- We recommend changing the bushing and bolts each time the blades are replaced.

NOTICE

Blades must be installed as a set to ensure proper balance of the blade holder. Improper balance will cause vibrations that could result in component failure.

4.10 BLADE INSTALLATION

BLADE INSTALLATION PROCEDURE

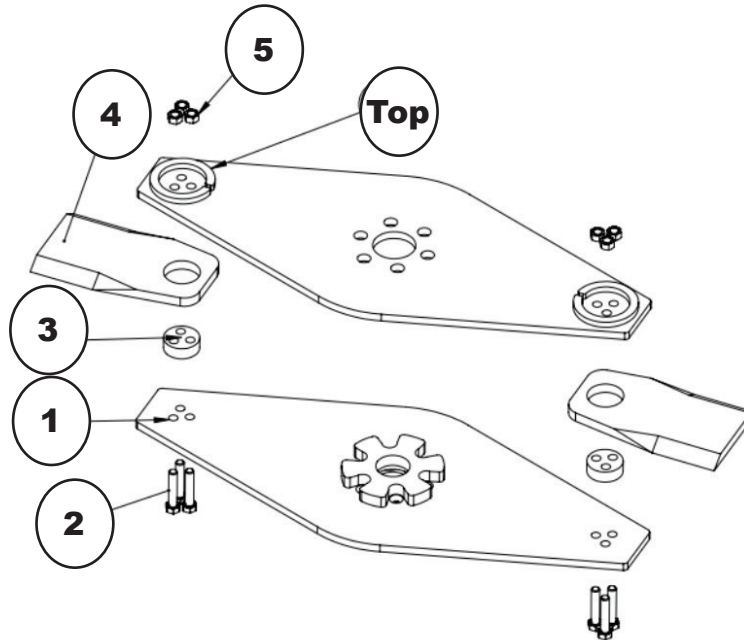
1. Line up the blade parts as demonstrated on page 31.
2. With the bottom weldment lying flat on a secure surface as shown on the following page, insert the three (3) bolts on each end from the bottom up.
3. Add your blade bushing.
4. Place the blade bushing and blades in the line of assembly as shown.
5. Place the top weldment on top of the assembly, line-up and make sure the bolts are lined up accordingly.

4.10 BLADE INSTALLATION CONT.

NOTICE

The blade bolt threads must extend beyond the nut, with the nut seated flush in the recessed hole.

6. Finger tighten the six nuts on the ends of the bolts.
7. Torque the blade bolt to the value shown in the torque table on page 26 of this manual.



4.11 SHEAR BOLT REPLACEMENT

The SBC model (14-20 GPM) requires a shear bolt to protect the gearbox.

Newer versions are direct drive and do not require a shear bolt.

NOTICE

Only use a Grade 5 Zinc shear bolt as a replacement part. Using a hardened bolt may result in damage to the gearbox.

1/2-13 X 3-1/2 HEX C/S GR 5 ZNC



1. Remove the motor cover.
2. Remove the damaged shear bolt from the gearbox input spline.
3. Align the holes in the input spline with the motor coupler & insert new shear bolt.
4. Install shear bolt nut and Torque to specifications listed on page 26 .

4.12 BEARING HOUSING AND GEARBOX MAINTENANCE

NOTICE

Maintenance procedures for the drive bearing housing and gearbox require special tools and skills. **DO NOT** disassemble or modify the gearbox as this will void the warranty.

Contact your dealer for any gearbox repair work.

Swing Boom Cutter 17-30 GPM (SBCNS Models)

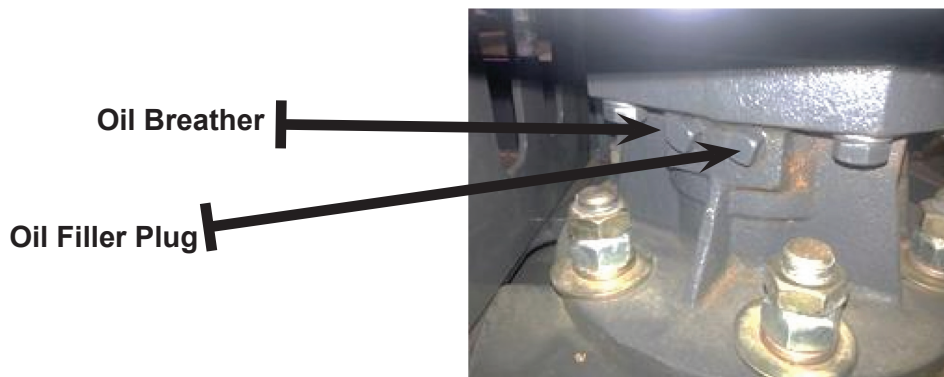
The SBCNS model has a bearing housing unit attached to a direct drive piston motor.

Check the bearing housing oil level by:

1. The oil level in the drive bearing housing must be checked weekly.

Refill with 85-140 grade gear oil only.

2. CHECK the oil level by removing the oil filler plug and oil breather plug. The oil level should be at the bottom of the breather plug.



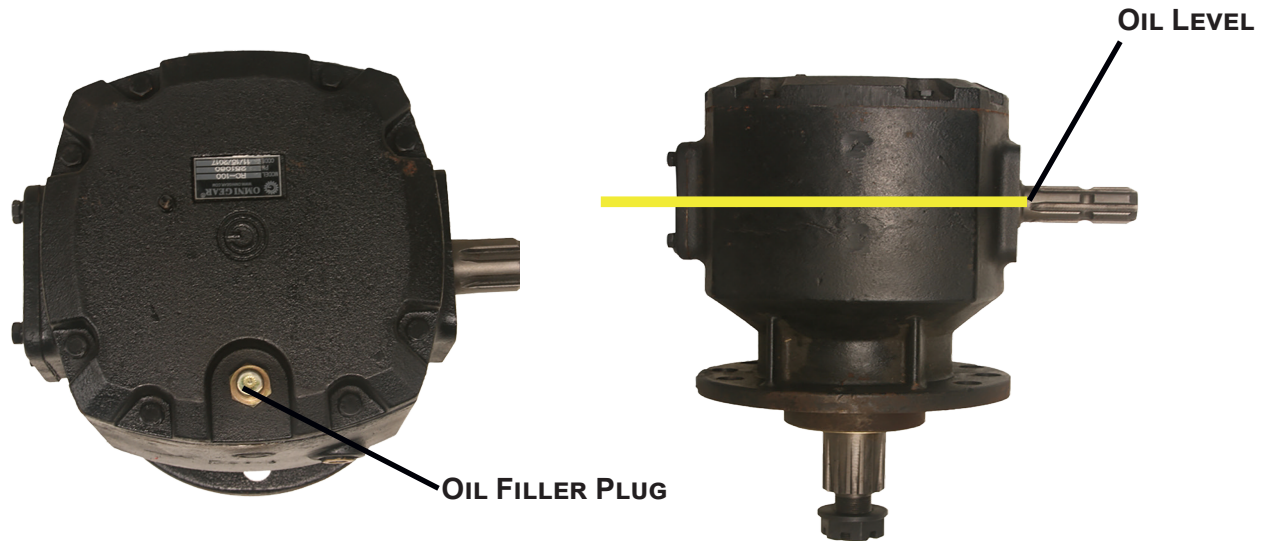
Swing Boom Cutter 14-20 GPM (SBC Models)

The SBC model has a right-angle gearbox coupled to a hydraulic motor. Check the oil.

CHECKING OIL LEVEL

1. Locate the oil filler plug and remove it. *See example on page 33.*
2. CHECK the oil level which should be at the mid height of the input spline.
3. If low, **refill with 85-140 grade gear oil.** Check the oil level every week.
4. Reinstall oil filler plug.

4.12 BEARING HOUSING AND GEARBOX MAINTENANCE CONT



NOTICE

The initial oil should be changed after 50 hours of operation under load. Subsequent oil changes should take place after every 1000 hours of operation. More frequent oil changes may be necessary if operating this cutter in extreme heat conditions.

GEARBOX OIL CHANGE PROCEDURE

1. Remove oil filler plugs.
2. Insert one end of a discharge hose into the gearbox (SBC Model) or bearing housing (SBCNS Model) oil filler ports. Then place the other end into an approved waste oil container.
3. Pump out the used oil from the bearing housing or gearbox motor.
4. Refill the bearing housing and gear box with 85-140 5EP grade gear oil.
5. Remove the breather plug on the bearing housing and check that oil level is at the bottom of the hole. The gear box oil level should be at mid height of the input spline.
6. Reinstall oil filler plug.

NOTICE

Properly dispose of used oil. Visit www.Earth911.com to search for the nearest used oil recycling center near you.

SECTION 5

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Cutter bogs down or loses power.	Deck is not leveled properly. Foreign material is “balling” under deck. Bearing failure-(To diagnose, shut off hydraulic flow to cutter then slowly rotate the blade holder assembly & listen for bearing noise.) Cutter speed too slow or ground speed to fast. Hydraulic Fluid flow too slow.	Refer to page 18 for leveling information. Remove foreign material from under the deck. See dealer for bearing housing service; replace bearing housing. Increase RPMs and reduce ground speed. Look for hydraulic leaks & repair. Replace damaged blades.
Excessive Vibration	Missing, loose, damaged or stuck blades. Blade holder damaged. Bearing failure.	Replace blade holder. Repair or replace bearing housing.
Blades dull too quickly or are breaking too easily.	Blades are receiving excessive shock loads from contacting solid objects (rocks, steel pipes, etc.)	Clear the cutting area of solid objects, raise cutter height to clear exposed rock surfaces.
Hydraulic fluid level goes down during operation.	Hydraulic motor leak, or leaks in prime mover’s hydraulic system.	Investigate and repair leaks.
Blades do not rotate when flow is activated.	Steps to Fix (In Order): 1. No Hydraulic fluid flow or incorrect direction. 2. Check for valve failure. 3. Check for shear bolt failure or hydraulic motor failure. 4. Check for gearbox failure.	Possible Solutions: 1. Check machine hydraulic circuitry or reverse flow direction. 2. Replace check valve. 3. Replace shear bolt or disconnect motor from gearbox or bearing housing then turn blade holder by hand. Motor failure is suspected if blade holder moves freely. 4. Contact Dealer for instruction.
Blades turn, but cannot tilt or swing the cutter.	No electrical power to controller or solenoid valves.	Consult the machine manufacturer’s manual for issues with host machine.

DANGER

ONLY service the cutter 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 machine.

SECTION 6

SPECIFICATIONS

MODEL SERIES	SWING BOOM SBC	PISTON MOTOR SWING Boom(SBCNS)
GPM	14-20 GPM; 4,000 PSI (Optional) 16-26 GPM	17-30 GPM; 4,000 PSI
MIN. / CTL POWER	65 HP	65 HP
CASE DRAIN	NONE REQUIRED	REQUIRED
BLADES	2	2
VERTICAL REACH	16 FEET	16 FEET
HORIZONTAL REACH	8 FEET	8 FEET
CUT WIDTH	44 INCH	44 INCH
CUT CAPACITY	3 INCH	4 INCH
WIRING HARNESS	UNIVERSAL, 7 PIN, 8 PIN OR 14 PIN	UNIVERSAL, 7 PIN, 8 PIN OR 14 PIN
MIN. MACHINE / CTL LIFT CAPACITY	1,800 LBS	1,800 LBS
MIN. MACHINE / CTL LIFT WEIGHT	6,500 LBS	6,500 LBS
WEIGHT	1,400 LBS	1,400 LBS



SECTION 7

PARTS INFORMATION

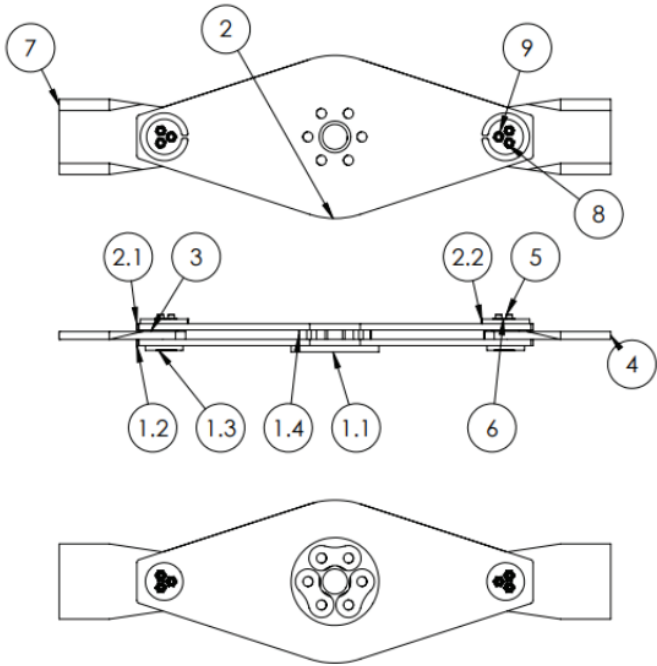
Factory fresh parts specifically designed for your implement are readily available.

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

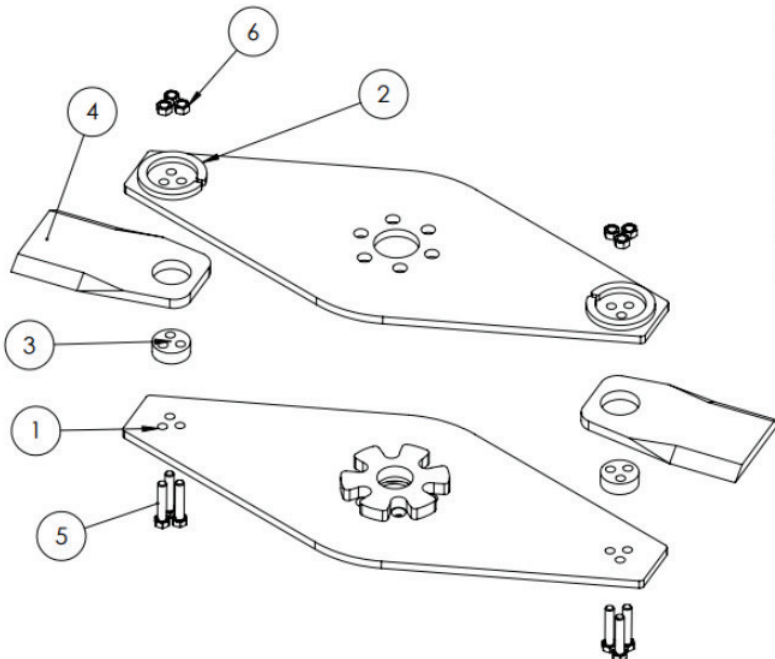
Model Number	
Serial Number	
GPM Requirements	
Date of Owners Manual (Bottom Left Corner of Cover Page)	
Parts Diagram Page Number	
Part Description	
Reference #	
Quantity Desired	
Ship To Information	
Bill To / Payment Information	

7.1 BLADE ASSEMBLY PARTS DIAGRAM

New Style Blade Assembly



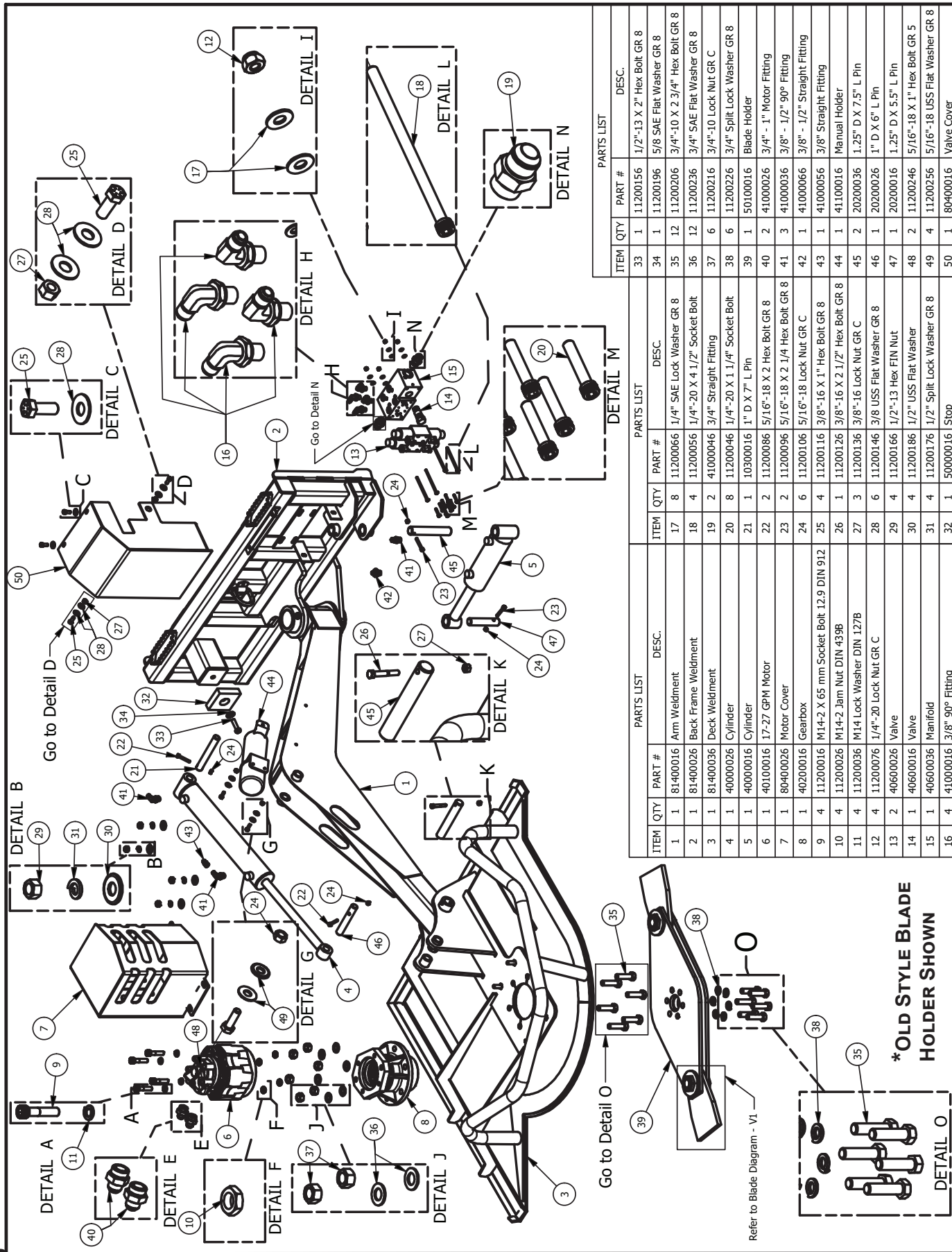
ITEM NO.	PART NUMBER	QTY.
1	SBC-2BLD-44-Bottom-Weldment	1
1.1	XBC-BoltGuard	1
1.2	SBC-BladeHolder-44-GR50	1
1.3	SBC-BoltHeadProtector	2
1.4	XBC-BladHldr-Spacr	1
2	SBC-2BLD-44-Top-Weldment	1
2.1	SBC-BladeHolder-44-GR50	1
2.2	TRBC-NutProtector	2
3	-PI-REAPERBUSHING	2
4	20100056	2
5	50F225HCS9Y	6
6	50FNST0Z	6



ITEM NO.	PART NUMBER	QTY.
1	SBC-2BLD-44-Bottom-Weldment	1
2	SBC-2BLD-44-Top-Weldment	1
3	-PI-REAPERBUSHING	2
4	20100056	2
5	50F225HCS9Y	6
6	50FNST0Z	6

7.2 DETAILED PARTS DIAGRAM WITH PART NUMBERS

SBCNS-S MODEL*

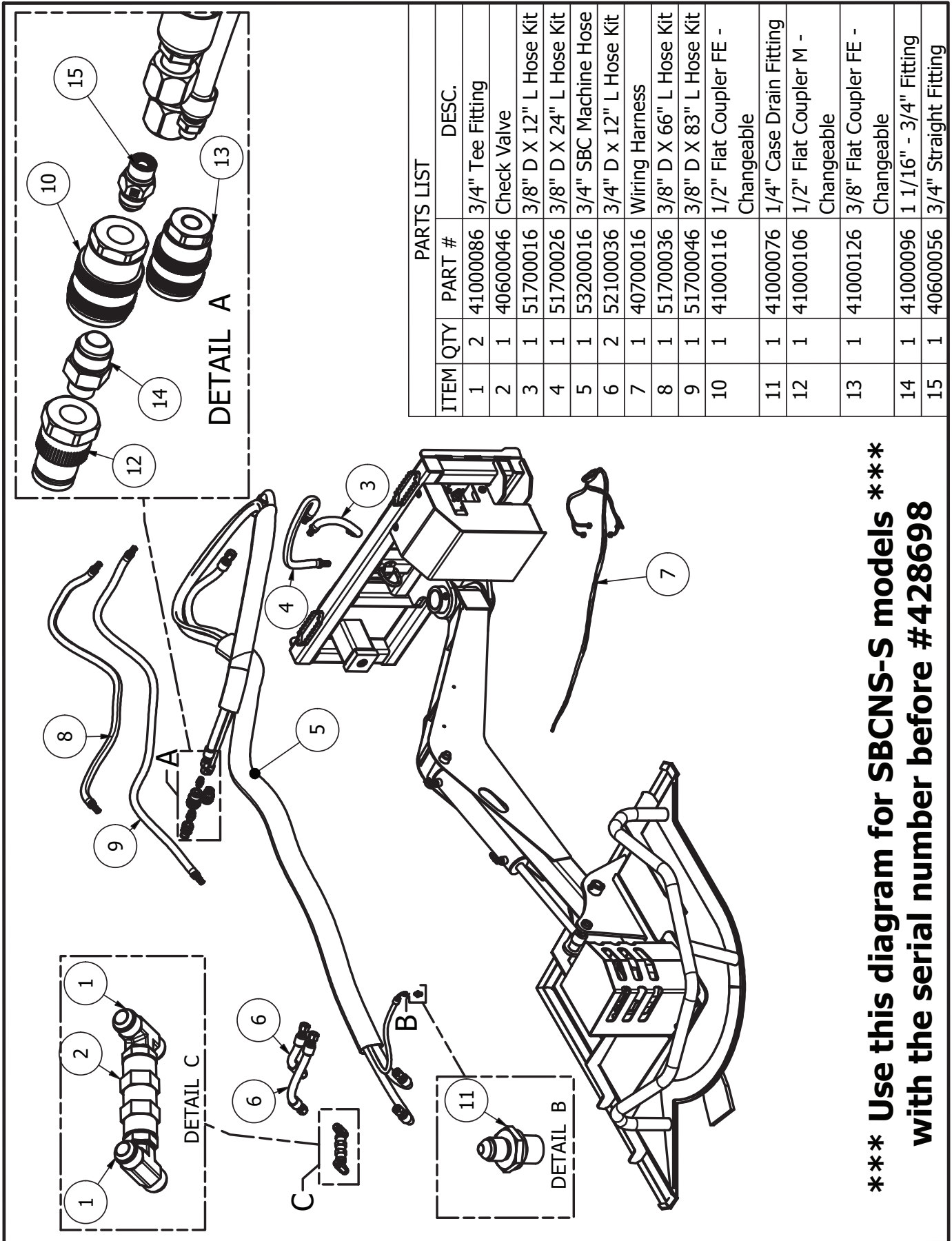


PARTS LIST			PARTS LIST			PARTS LIST		
ITEM	QTY	PART #	ITEM	QTY	PART #	ITEM	QTY	PART #
1	1	81400016	17	8	11200066	33	1	11200156
2	1	81400026	18	4	11200056	34	1	11200196
3	1	81400036	19	2	41000046	35	12	11200206
4	1	40000026	20	8	11200046	36	12	11200236
5	1	40000016	21	1	10300016	37	6	11200216
6	1	40100016	22	2	11200096	38	6	11200226
7	1	80400026	23	2	11200096	39	1	50100016
8	1	40200016	24	6	11200106	40	3	41000036
9	4	11200016	25	4	11200116	41	3	41000066
10	4	11200026	26	1	11200126	42	1	41000066
11	4	11200036	27	3	11200136	43	1	41000056
12	4	11200076	28	6	11200146	44	1	41000016
13	2	40600026	29	4	11200166	45	2	20200036
14	1	40600016	30	4	11200186	46	1	20200026
15	1	40600036	31	4	11200176	47	1	20200016
16	4	41000016	32	1	50000016	48	2	11200246
						49	4	11200256
						50	1	80400016

*OLD STYLE BLADE HOLDER SHOWN

Refer to Blade Diagram - VI

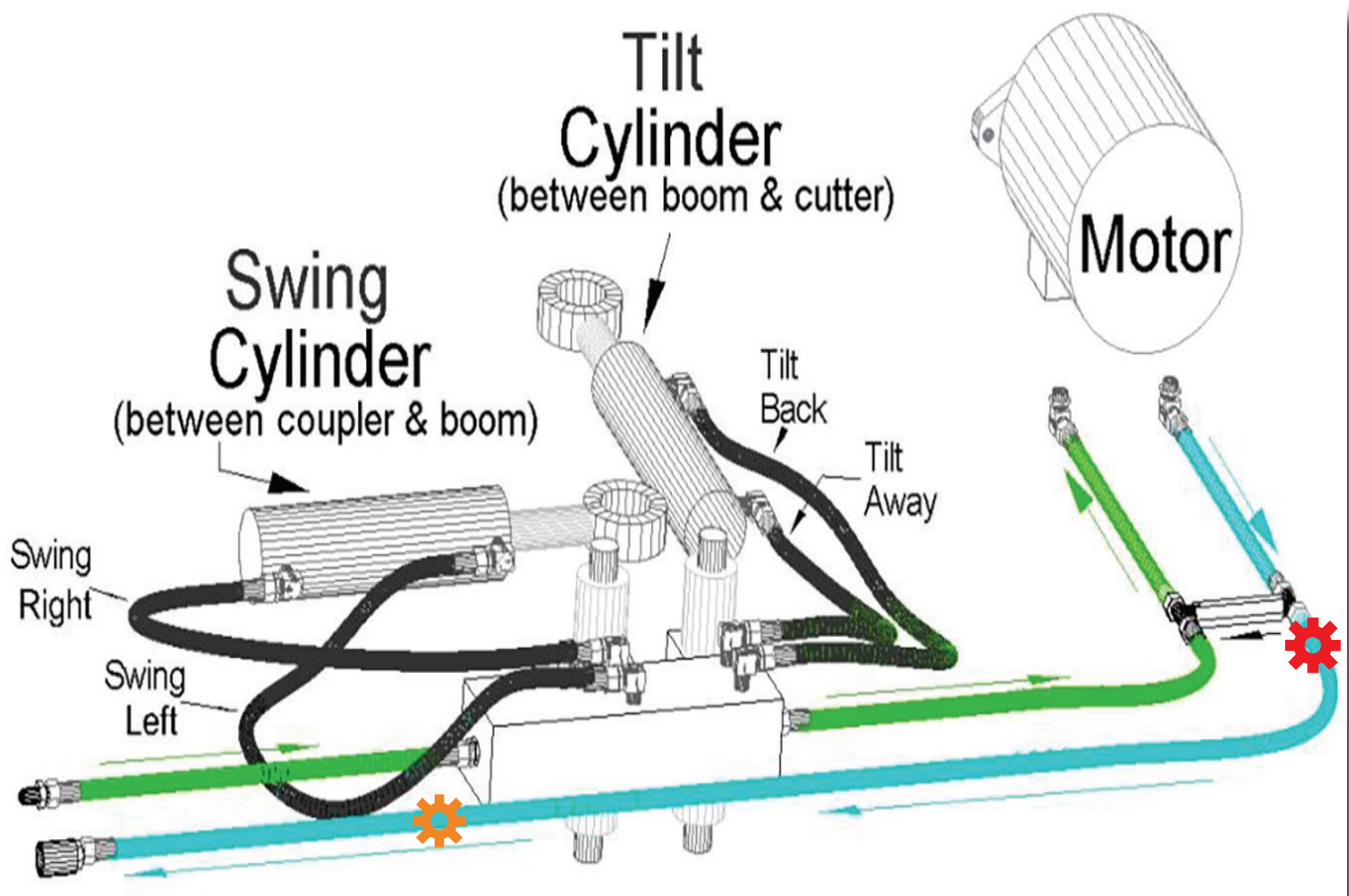
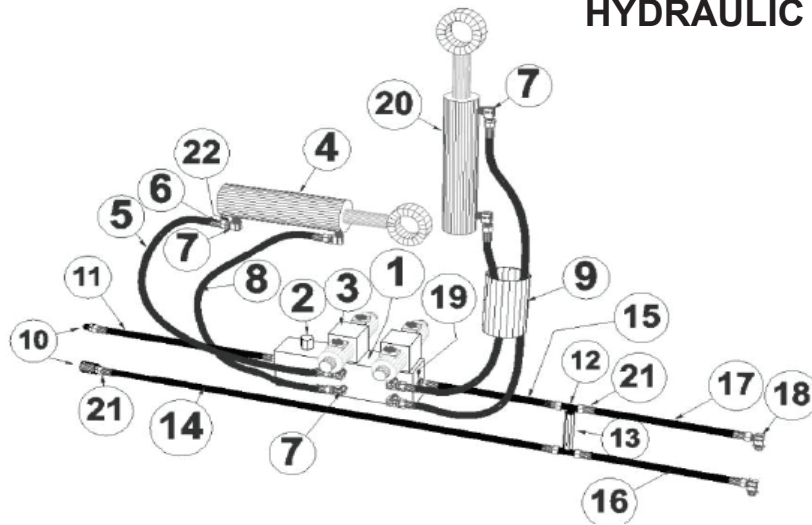
7.2 DETAILED PARTS DIAGRAM WITH PART NUMBERS



***** Use this diagram for SBCNS-S models ***
with the serial number before #428698**

7.3 PARTS DIAGRAM-HYDRAULIC COMPONENTS & FLOW DIAGRAM

HYDRAULIC COMPONENT



Depending on your model you'll have an inline check valve either here 

or here. 

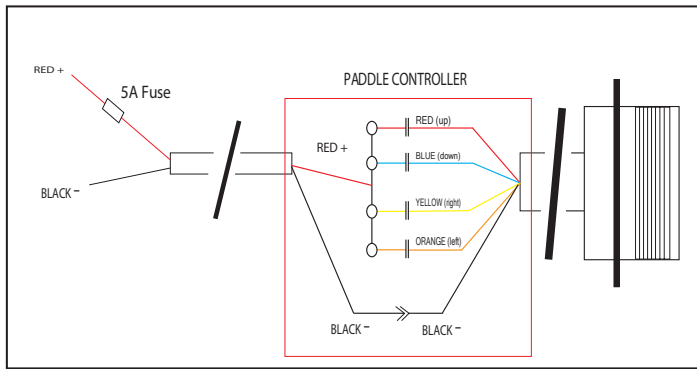
This valve protects your attachment from back flow.

7.3 PARTS DIAGRAM-HYDRAULIC COMPONENTS

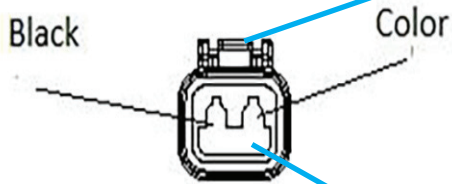
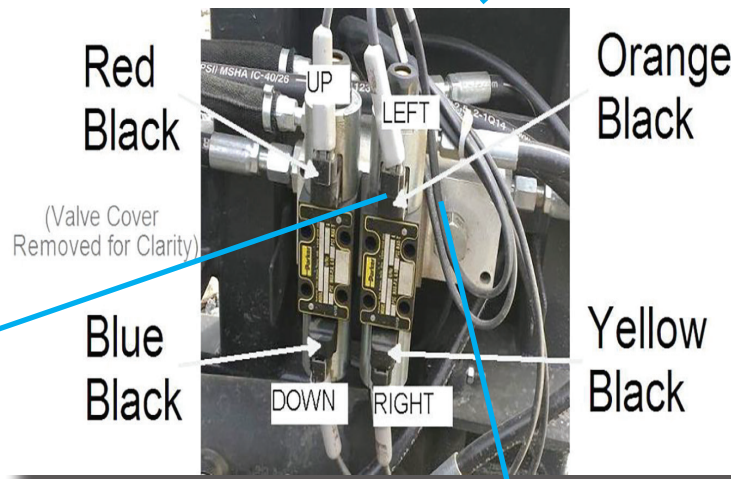
Ref. No	Part Description	Qty
1	Hydraulic Manifold	1
2	Flow Control	1
3	Control Valve	2
4	Swing Cylinder	1
5	3/8" Hose, 21" Long	1
6	Hose End 3/8"	8
7	Elbow 3/8"	8
8	3/8" Hose, 17" Long	1
9	Protective Sleeve Set : 93", 75", 60" Long (1/2", 3/8")	1
10	Flat Face Couplers	1
11	1/2" Hose, 72" Long	1
12	Tee	2
13	H-Valve	1
14	1/2" x 189" Hose	1
15	1/2" x 110" Hose	1
16	1/2" x 8" Hose	1
17	1/2" x 12" Hose	1
18	Elbow 1/2" (at hydraulic motor)	2
19	Straight Adapter 1/2"	2
20	Tilt Cylinder	1
21	1/2" Hose End	10
22	Restrictor	1

7.4 PARTS DIAGRAM-ELECTRICAL DIAGRAMS

ELECTRICAL DIAGRAMS



Valve Manifold on Cutter



Attachment Harness



Paddle Controller and Cable



To bulkhead coupler on skid steer Boom or paddle control cable

SECTION 8

WARRANTY INFORMATION

LIMITED WARRANTY

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

WARRANTY EXCLUSIONS

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

REPAIRS UNDER WARRANTY

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

WARRANTY STATEMENT

Our obligation under this Limited Warranty shall be solely limited to repairing or replacing any part (see non-covered items above) that, according to our judgment, show evidence of a defect in quality of workmanship or materials for the stated 12 month warranty period. All defective parts must be routed directly to CID, Inc. with freight or delivery charges to be prepaid. This limited warranty shall not be interpreted to render CID, Inc. liable for any injury or damage to persons, businesses or property of any kind nor expenses or losses incurred for labor, supplies,

8.0 WARRANTY INFORMATION CONT.

WARRANTY STATEMENT CONT.

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 machine.

DESCRIPTION OF MAINTENANCE/REPAIR	SERVICED BY:	DATE:

10.0 MAINTENANCE LOG

MAINTENANCE LOG

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

DESCRIPTION OF MAINTENANCE/REPAIR	SERVICED BY:	DATE:

APPENDIX A

“OLD STYLE” BLADE REMOVAL

NOTICE

This procedure requires special tools and skills. DO NOT attempt to remove or sharpen blades if you do not have the tools or skills. Take your cutter to your local dealer for blade services.

! CAUTION

Cutter blades are sharp and could cut you if mishandled. ALWAYS wear protective gloves and footwear when handling cutter blades.

BLADE REMOVAL PROCEDURE

1. Remove the blade holder as described in Section 4.6 of this manual.
2. Use the cutting torch or a grinder with a cut off wheel to remove the weld bead around the bolt head. (Figure A1 below.)

! CAUTION

Wear proper protective equipment while using a cutting torch and grinder tool to prevent injuries from flying hot metal pieces. DO NOT use a cutting torch during windy conditions or near dry vegetation to prevent a catastrophic brush fire.

3. Drive the bolt shank from the blade and blade holder, being careful not to let the blade fall onto your feet.
4. Carefully cut the welded bead around the bolt head to allow the bolt to rotate. DO NOT cut into the blade holder. *See example below*
5. Repeat steps 2-3 for the second bolt.

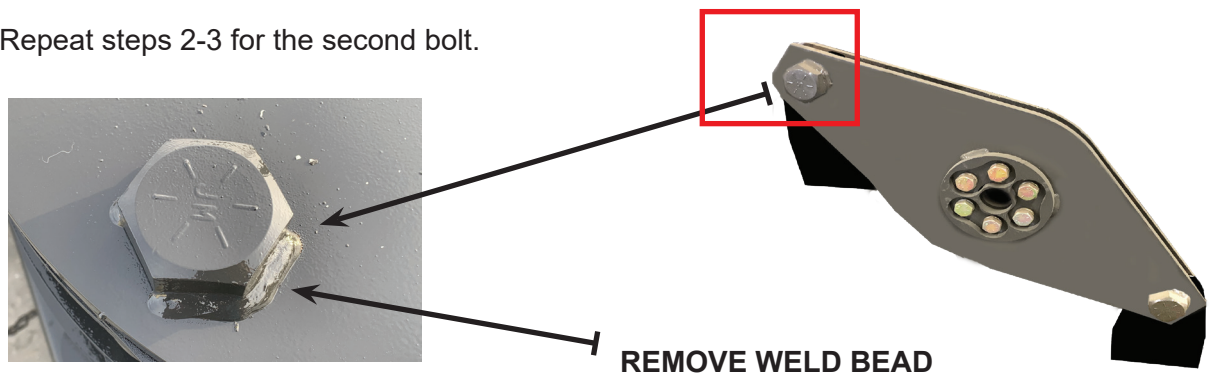


Figure A1 Blade Holder Bolt Weld Bead Removal

A. "OLD STYLE" BLADE INSTALLATION

BLADE INSTALLATION PROCEDURE

NOTICE

Blades must be installed as a set to ensure proper balance of the blade holder. Improper balance will cause vibrations that could result in component failure.

1. Remove the old weld bead to ensure a flat smooth surface for the new bolt head to mate to.
2. Place nut in the recessed hole on top of blade holder.
3. Insert new blade bolt up through the hole in the blade holder and tighten into the nut.
4. Torque the blade bolt to the value shown in the torque table on page 26 of this manual.
5. Weld the outside of the bolt head as shown in Figure A1 on page 49.

NOTICE

The blade bolt threads must extend beyond the nut, with the nut seated flush in the recessed hole.

⚠ WARNING

DO NOT weld the bolt head unless the nut is firmly seated into the recessed hole. See *Figure A2 below*.



Figure A2 Bolt Thru Nut

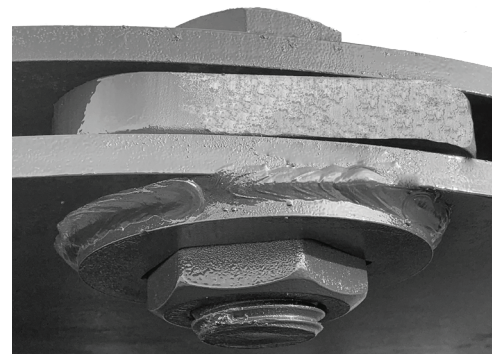


Figure A3 Bolt Head Bead Weld & Assembly

APPENDIX B

FINDING YOUR MODEL AND SERIAL NUMBER

The Model and Serial numbers will be in one of (4) places 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:

2) Top- left or right

3) Back-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



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