



X-treme Tree Saw



Owner's/Operator's Manual



WARNING

For safe operation, read these rules and instructions carefully to avoid accidents that could result in Death or Serious Injury.

TO THE OWNER/OPERATOR OF THIS IMPLEMENT

Please read this manual "before" unpacking or using this implement for the first time. This manual provides you with the necessary instructions to safely install and use your purchase. Do not let other people use this attachment without first being instructed how to safely use it.



Construction Implements Depot, Inc

1248 N. Main Street
Denton, NC 27239
(336) 859-2002

Save this manual for future reference!

Thank You

Our sincere appreciation to you on the purchase of a quality X-treme Tree Saw designed and manufactured in the USA by Construction Implements Depot, Incorporated. Product experience of a combined 30 years is the cornerstone of our company, and our goal is to provide you with a heavy duty product that will give you years of satisfaction and operation.

Our record of successful and satisfied customers is evidence of the concern for quality and designed strength that we place into each and every product we build.

As this manual expresses the need for safe operation of your acquisition from Construction Implements Depot, Inc., it is important that you and all operators of this implement become familiar with the operation, maintenance and safety instructions found in this manual, as well as in the manual that accompanied the skid steer machine that will power this attachment. Add some common sense to the items mentioned in these manuals as the recipe for safe operation.

We invite you to look at more innovative products on our web site:
<http://www.cidattachments.com> or if in the area stop and visit our modern manufacturing facilities located in Denton, NC.

Sincerely,
Management & Employees
Construction Implements Depot, Inc.

Information

Record product information here for future reference.

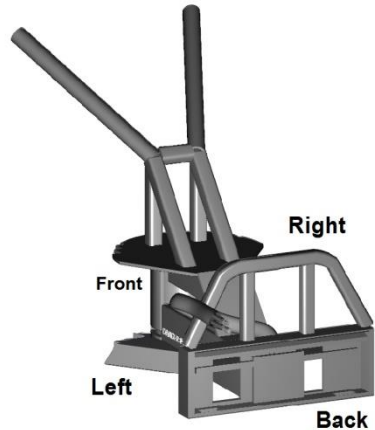
Model: X-treme Tree Saw (X)
Standard Hyd. Flow _____
High Hyd. Flow _____
S/N or MFG. Date _____
Dealer Name _____
Dealer Phone ____ - ____ - _____
Date of Purchase ____/____/____

Table of Contents

Thank You	2
Information.....	2
Orientation	3
Importance of Safety	3
Operator Safety Training Tips.....	4
Skid Steer Requirements	5
Unpacking Your Shipment	5
Using Your Implement	5
Connecting Saw to Skid Steer.....	5
Pre-Operation Walk-around Inspection.....	6
Saw Boom Controls	6
Engaging Saw the First Time.....	7
Stopping the Saw	7
Getting Familiar with the Attachment	7
Adjusting Saw Height & Level.....	7
Starting the Job	8
Felling a Tree	9
Delimiting & Trimming	9
Maintaining your Attachment	10
Modifications	10
Before Every Use	10
Every Week	10
After Every Season	10
Blade Rotation/ Replacement	10
Drive Bearing Lubrication	11
Oil Type	11
Oil Capacity	11
Hydraulic System.....	11
Hardware Torque	11
Parts.....	12
Tree Saw.....	13
Low Flow Hydraulic Components	14

High Flow Hydraulic Components	15
Decals	16
Troubleshooting	17
Specifications.....	18
Limited Warranty.....	20

Orientation



Serial Number Plate is Located on Top of Mounting Plate

Importance of Safety

Accidents can be very costly to human life and property. As the operator is the #1 safety device on all types of vehicles or equipment, it is important that the operator read, learn and know all safety recommendations for this product. The user is responsible to his family, friends and co-workers to operate in a safe manner. Ensure that everyone who operates or assists in the operation or maintenance of this product read and understand all the elements required to safely operate this piece of equipment.


This attachment has moving parts that include additional dangers.

Throughout this manual you will find safety notes which are very important to read and understand before operating this piece of equipment. These classifications alert you to situations that could be harmful to you or bystanders. When you see these alerts in the manual, carefully read and follow all instructions and also protect other workers from the same danger.

 **DANGER** Will result in Death or Serious Injury.


 **WARNING** Could result in Death or Serious Injury.


 **CAUTION** Could result in Minor or Serious Injury.


 **NOTICE** Not related to Personal Injury.


Operator Safety Training Tips


It is the responsibility of the operator using this attachment to be acquainted with the safe operation. In addition to reading this manual, it is important that the operator read the skid steer's operation manual and follow its manufacturer's recommendations!


 Before lifting or lowering the saw, make sure the area is clear of bystanders or objects.


 Machinery parts have sharp edges. Wear work gloves when moving parts. Always use caution around the saw blade as it has very sharp edges.


 Never use drugs or alcoholic drinks when operating or servicing this piece of equipment.


 Always wear the proper personal protection equipment when servicing or operating this piece of equipment. Never service or operate this attachment with bare feet, sandals, or other light footwear.


 Always use eye protection during operation. Mount this attachment on a skid steer equipped with thermoplastic polycarbonate door panel and side panels.


 Speed Kills! Operate this implement at a safe working speed. When transporting the implement, keep a safe speed to avoid losing control of the attachment or prime mover.


 Keep proper clearance between the implement and objects (utilities, tree stumps, large rocks, buildings, etc.). Contacting these objects with the implement or prime mover could cause a loss of control or damage to the implement or property.


 Never attempt to operate this attachment from anywhere but when seated in the prime mover's operators seat.


 Stop the engine on the skid steer and set the brake to avoid the implement rolling forward or backwards while you are exiting the prime mover.

 Store this implement in an area not frequented by children.

 Allow no riders on this attachment. Keep all bystanders clear of attachment during operation.

 Always replace worn, torn or missing safety decals before operating.


 Never operate the saw when bystanders are within 100 feet (30 m) of the work area.

 Cut only during daylight or well-lit artificial light.

Skid Steer Requirements


Your X-treme Tree Saw should only be used on a skid steer with a lift capacity of at least 1800 lbs. and with a weight of at least 6500# with the bucket removed. A skid steer equipped with tracks will provide superior stability in this application.

To protect the operator from any flying debris, it is important that the skid steer should be equipped with a thermoplastic polycarbonate windshield or similar material, and similar protection on the sides of the operator's cab.

 **CAUTION** *Make sure your skid steer is in good working condition. Follow the operating instructions found in the manual that accompanied your skid steer. Failure to do so could result in Minor or Serious Injury.*

Unpacking Your Shipment


Your attachment arrives from the factory banded to a wooden pallet, and requires no final assembly before use.

 **CAUTION** *Careless removal of the shipping bands that secure the implement to the pallet could result in Minor or Serious Injury.*

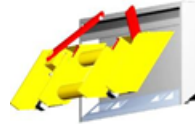
Clear the area of all bystanders and stand to the side when cutting the bands with a pair of sheet metal shears.

Using Your Implement

Connecting Saw to Skid Steer

 **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.*

Verify that the hydraulic hoses are clear from the front of the attaching plate on the attachment and that the mounting plate is free from dirt and debris. When clear, move the skid steer to proximity of attachment plate. Tilt skid steer coupler forward to align coupling point with the upper part on the back of the attachment plate and raise the coupler slightly.



Connecting Coupler to Attachment

When the top edge of the coupler is seated in the top part of the coupler plate, roll the skid steer tilt function back until the attaching plate is flat against the skid steer coupler. Lock down the coupler levers. Note: If your skid steer is equipped with a hydraulically operated coupler, activate the coupler lock at this time. Shut the Skid steer's engine off and release the pressure in the auxiliary circuit.

○

PLEASE NOTE:
Attachment and Machine-
side Couplings must be
**FREE OF DEBRIS
BEFORE INSTALLING.**
Failure to comply will void
warranty.

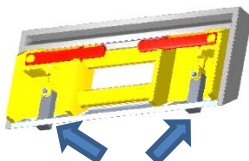
NOTICE *Wipe off any dirt or dust from the male or female hydraulic flat-face couplers with a clean rag before attaching hoses to keep contaminants from entering the hydraulic system.*

Connect the attachment hydraulic hoses to the auxiliary supply couplers located on your skid steer loader lift arm. The high flow model must have a case drain connection.

NOTICE *Do not operate a high flow saw on a skid steer not equipped with a case drain provision. Operating a high flow saw without connecting the attachment's case drain to the proper case drain circuit on the skid steer may result in a machinery failure not covered under warranty.*

Check the surrounding area for bystanders and clear them before starting the skid steer or attachment.

Before operating the attachment, always visually inspect and verify that the coupler lock pins are fully engaged through the latch slots on the attachment plate.



Check Coupler Lock Engagement

Pre-Operation Walk-around Inspection

Before every use, it is important to perform a short inspection and certain maintenance on your tree saw.

	Item
✓	Check that all shields and guards are in place.
✓	Look for loose bolts and tighten them if necessary.
✓	Check that all safety decals are in place and can be read. Replace them if necessary.
✓	Check that the saw cutters are in good condition. Sharpen or replace, if necessary.
✓	Take care of our environment. Repair any hydraulic leaks.

Saw Boom Controls

Your X-treme Tree Saw is designed to operate from the skid steer's auxiliary hydraulic system, and is operated by a control in the operator's cab. Consult your skid steer operator's manual for precise instructions on how to activate and deactivate the auxiliary circuit.

Height and tilt functions of the tree saw are operated with the control handles or pedals in the cab. Consult your skid steers operator's manual for precise instructions regarding these functions.

Engaging Saw the First Time

NOTICE *If this is your initial startup with this attachment on this machine, check the skid steer's hydraulic oil level and add oil, if necessary, before and after doing steps 1- 3 below.*

After starting the skid steer, lift the attachment 6" (152mm) off the ground surface:

1. With the skid steer engine RPMs just above idle, slowly engage the auxiliary hydraulic to rotate the saw. If the saw blade does not turn at all, check the hydraulic circuit connections between the saw and skid steer.
2. Lower the tree saw attachment to the ground, set the brake and shut off the skid steer's engine and exit the operator's compartment.
3. Check the skid steers hydraulic oil level, and add oil if necessary.
4. Inspect the tree saw's hydraulic plumbing for any noticeable leaks. Correct these leaks before continuing.

Stopping the Saw

The saw blade quits rotating when the auxiliary control is neutralized. When you are done cutting, stop the saw blade's rotation before exiting the operator's cab.

Getting Familiar with the Attachment

DANGER *Never operate the saw when bystanders are within 100' (30 m) of your work area. Flying &*

falling debris could result in Death or Serious Injury.

CAUTION *Be cautious 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 type of machinery.*

Before starting the skid steer engine with this saw attached, make sure you are knowledgeable and comfortable with the operation of the tree saw controls as outlined in the previous and following sections of this manual.

To begin with, learn what the saw head looks like in a level cutting position when you are seated in the skid steer. Knowing what a level saw head looks like will help you avoid damage to the cutting blade by cutting too close to the ground surface.

Always be aware of your surroundings. While watching the saw, also pay attention to what obstacles or terrain are in front of the saw and prime mover's wheels.

CAUTION *Cutting tree branches with the saw in an elevated position could result in Death or Serious Injury if the skid steer becomes unstable. Never raise the saw more a few feet off the ground when working on slopes or uneven terrain.*

Adjusting Saw Height & Level

Use the skid steer loader lift to adjust the elevation of the saw. The fore & aft leveling can be accomplished by using the skid steer's attachment tilt cylinders.

⚠ CAUTION Avoid making saw height and tilt adjustments during a cut that could result in damage to the saw blade and could result in Minor or Serious Injury.

Starting the Job

⚠ DANGER Never cut trees in the proximity of any above-ground utilities. Felling a tree on electrical power lines and making contact with your skid steer or bystanders even at an assumed safe distance will result in Death or Serious Injury.

Never fell trees in the direction of overhead power or communication lines. Never cut a tree unless it is twice the tree's height away from the overhead lines.

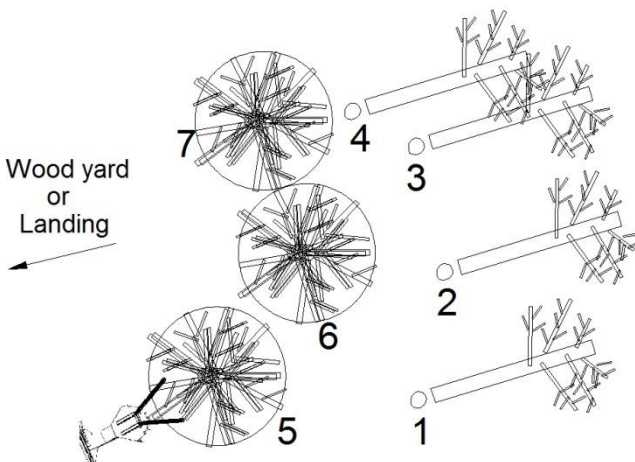
⚠ WARNING Moving or engaging the tree saw with bystanders in the area could result in Death or Serious Injury. Before engaging the tree saw hydraulics, always make sure the area is clear of bystanders.

Before cutting your first tree, always visually inspect the surrounding area for any objects that could be damaged if a tree fell on it. Tree top branches could entangle with other tree branches and alter the course of the tree fall.

To avoid a tree that falls in an unexpected direction, always be ready to move the skid steer quickly away from the impending danger.

⚠ 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.

Determine a safe cutting pattern before the start of the cut. If trees are going to be dragged with a skidder to a landing, plan your cut so the cut ends of the trees are facing towards the landing or access path.



Example of Tree Cutting Pattern Plan (Overhead View)

Felling a Tree

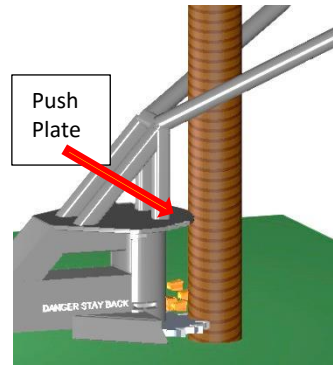
⚠ CAUTION *Never operate this attachment when bystanders are in proximity of the work area that could result in Minor or Serious Injury from flying debris, falling trees or branches.*

⚠ CAUTION *Use care when operating on uneven terrain or any type of sloped surface. Keep your saw low to the ground when working in these conditions to avoid a roll over that could result in Minor or Serious Injury.*

1. Assess the size of the tree. Do not exceed the capacity for this attachment (10”).
2. Decide the direction of the tree fall, and approach the tree from the side opposite the intended fall direction.
3. Align the saw blade with the middle of the tree, but do not start the cut until the blade comes up to operating speed.
4. Slowly approach the tree and ease the saw blade into the side of the tree.
5. Listen to the sound of the skid steer. If the engine begins to bog down and or the saw blade slows, ease off of the forward advance into the tree.
6. As the saw nears the completion of the cut, the push plate at the top of the saw can contact the tree to assist in “nudging” the tree to fall in the intended direction.
7. Operate at a safe pace that will allow you to watch the area around the attachment & loader.
8. Your X-treme Tree Saw is capable of cutting trees and other vegetation of up to 10” (254mm) in diameter. Learn and realize

which way the tree is likely to fall so it does not end up crashing onto you in the skid steer.

9.



Ease Blade into Tree

10. Never use your saw to push, pull, lift or move any type of object or vehicle. Do not use this attachment to “push” down trees without the saw being used.
11. Your attachment is not to be used as a dozer blade in any direction.
12. Your saw was not designed as a stump-puller; therefore do not use it as one.
13. Never exit the skid steer cab with the saw in the raise position. Never walk or lay under the attachment in a raised position, or allow any bystander to do so.

Delimiting & Trimming

⚠ WARNING *Your prime mover should be equipped with forestry screen guards to prevent falling limbs from entering the cab area, preventing an accident that could result in Death or Serious Injury.*

Delimiting and trimming branches is a skilled operation requiring careful safety planning. Limbs falling on your prime mover are unsafe.

1. Locate the tree saw blade at an angle that will minimize the limb falling down near the prime mover.
2. Rather than cutting a whole (large) limbs, cut shorter pieces to keep felled pieces from contacting the prime mover.

Maintaining your Attachment

Modifications

Modifications to the original design by the end user may result in weakening the designed structure and integrity of this attachment and will void any warranty.

Before Every Use

Check that all fasteners (nuts, bolts, pins, keepers) are in their right place and are tight.

Lubricate all pivot joints using #2 lithium grease.

Inspect and replace any worn, torn or missing safety decals.

Investigate the location of any oil leaks and repair.

Every Week

Check the condition of the blade and cutters. Lower the attachment to the ground or prop solidly on 8" x 8" timbers.

Inspect the saw blade for any damage or missing cutters. Sharp cutters will cut more efficiently than dull cutters.

With heavy use, check the gear oil level in the saw's drive bearing housing.

After Every Season

Inspect the implement for any loose or worn parts that may need to be replaced prior to the next cutting season.

Visually inspect the cutting blade. Sharpen or replace it, if necessary.

Check and replenish the gear oil in the bearing housing. See direction in this manual.

Clean, sand & repaint any area that looks worn or scratched to prevent further rusting. Use an equipment-paint found at your local hardware store or building center.

Lubricate all the pivot joints before storage. If storing in a saltwater environment, apply grease to the exposed chrome cylinder rod(s).

Store your implement in a shed or cover with a water-proof tarp to protect it from the weather. Store in an area not frequented by children.

Blade Rotation/ Replacement

Each saw tooth on the blade are four sided and can be removed and rotated to optimize components.

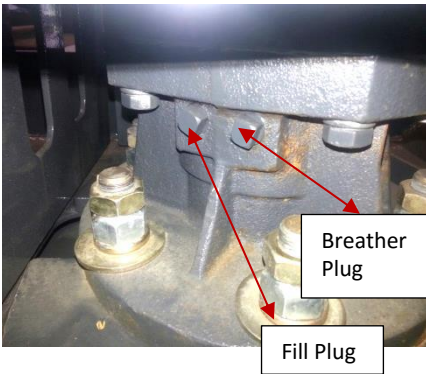
To rotate the cutter, remove the securing hardware, clean any debris or residue from the mounting surfaces, and rotate the cutter to the position you desire. Verify that the cutter is fitted squarely on the blade. Install the hardware and tighten.



Rotate Cutter 1/2 turn

Drive Bearing Lubrication

The use and maintenance of proper lubrication is critical to the successful operation and performance of the OMNI ENGINEERED BEARING HOUSING. Refer to “Oil Type” to select the appropriate oil for the unit’s ambient operating temperature and “Oil Capacity” for approximate oil quantity.



Oil Type

**Ambient Temperature ISO VG Grade
AGMA No. SAE Gear Oil**
40 °F to 120 °F ISO VG GRADE AMGA
NO. 5EP **85W-140**

Note 1: Pour point can be at the top of the bearing housing before the motor is installed, however the breather plug should be taken out and the pour should be on the opposite side. Make sure the oil level is at the bottom of the fill plug.

Oil Capacity

**Unit Size Oil Capacity Fluid Ounces
(Shaft Down applications)**
9 OZ. (0.26 L)

Note: For shaft down units filled vertically, the oil level is to be at the bottom of either oil plugs.

Hydraulic System

⚠ WARNING *A small stream of oil from a pinhole leak could penetrate your skin if contacted. To avoid an accident that could result in Death or Serious Injury, never use your hand or other body parts in an attempt to locate a hydraulic leak.*

NOTICE *Always release the hydraulic system pressure from the saw circuit prior to removing the attachment or any hydraulic system service work.*

Be kind to the environment. Repair any hydraulic leaks immediately!

Hardware Torque

	Grade 2 lb-ft	Grade 5 lb-ft	Grade 8 lb-ft
¼"	66*	8	12
5/16"	10	17	20
3/8"	20	30	45
½"	45	75	110
¾"	160	260	380
7/8"	190	400	600
1"	-	580	900

* = inch pounds

All values are “dry” torques.

Parts

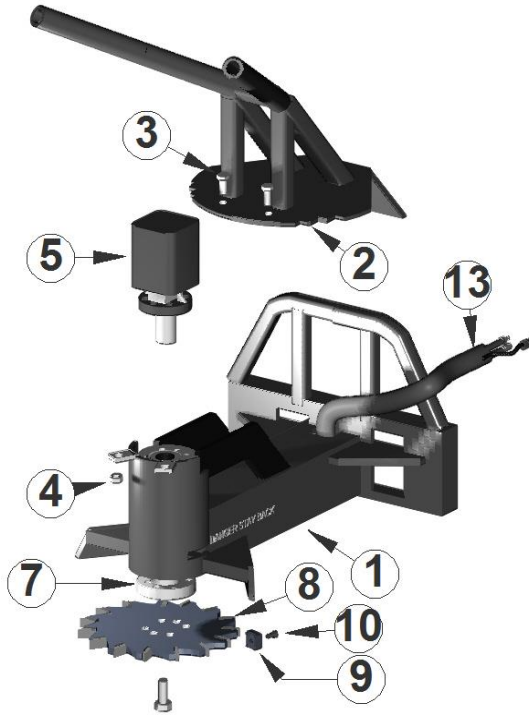
When requiring any parts for your implement, please collect the following information:

Implement Model Number
Implement Serial Number
Standard Flow or High Flow?
Parts Manual Date (lower right corner)
Parts Manual Page
Part Description
Quantity Required
Ship-to Name & Address
Payment Method

...then call your local dealer for factory fresh parts specifically designed for your attachment.

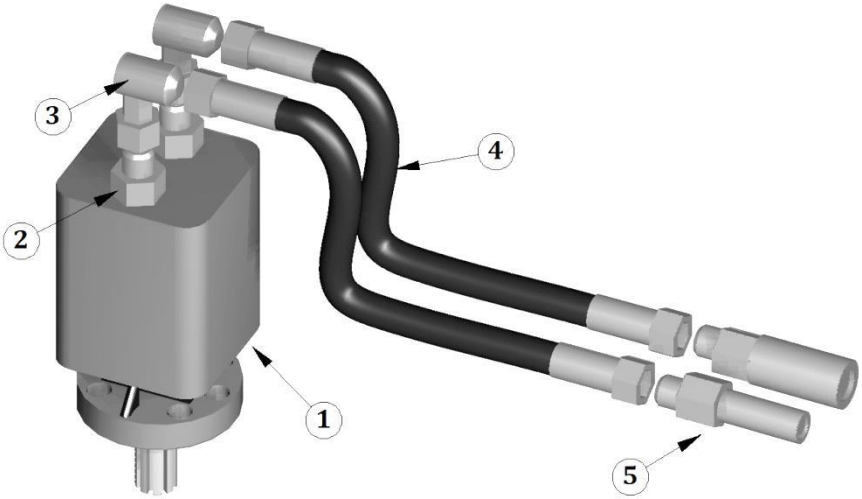
**Use Genuine Parts
from
Construction
Implements Depot
INC.**

Tree Saw



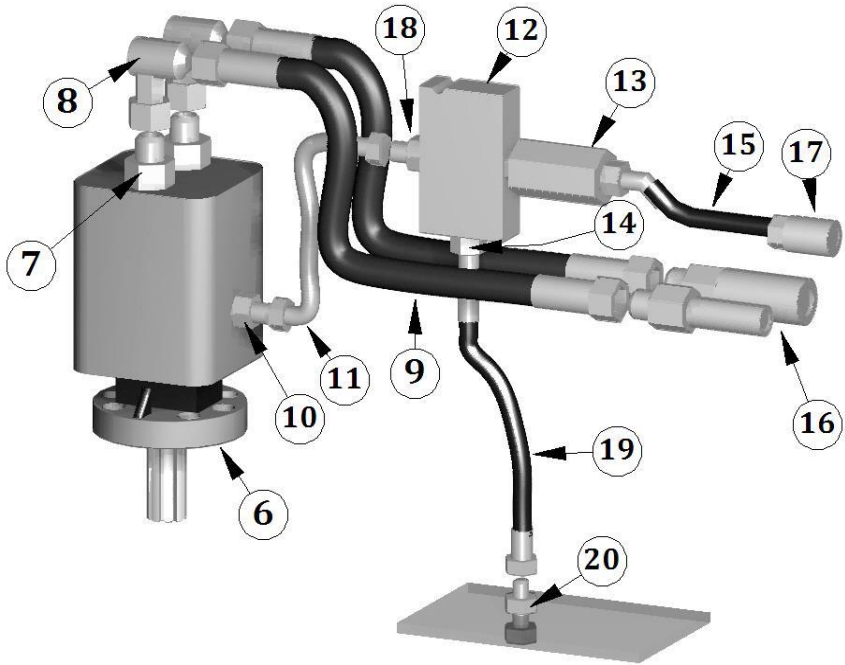
Ref.	Description	Qty.
1	Saw Frame	1
2	Saw Cover and Guard	1
3	Bolt (Cover to frame)	4
4	Nut (Cover to frame)	4
5	Motor (Standard Flow for standard flow skid steer application)	1
	Motor (High Flow for high flow skid steer application)	1
7	Drive Bearing Housing & Output Shaft Assembly	1
8	Saw Blade	6
	Bolts, (Saw blade to output shaft)	6
9	Bit, Cutter	15
10	Capscrew, (Cutter bit to blade)	15
13	Hose Protector	1

Low Flow Hydraulic Components

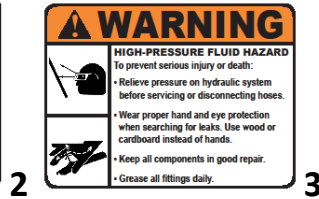


Ref.	Description	Qty.
1	Motor, (Low Flow Saws)	1
2	Adaptor, straight (Motor to elbow)	2
3	Elbow 90° (Adaptor to hose)	2
4	Hose (Elbow to quick-disconnect couplings)	2
5	Coupler Set, (Quick-disconnect)	1

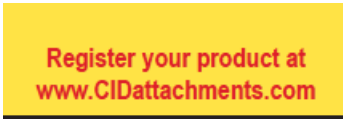
High Flow Hydraulic Components



Ref.	Description	Qty.
6	Motor, Piston (High Flow Saws)	1
7	Adaptor, Straight	2
8	Elbow, 90°	2
9	Hose (Elbow to Quick Disconnect)	2
10	Adaptor (Motor to Case Drain Hose)	1
11	Hose, Case Drain	1
12	Valve	1
13	Check Valve	1
14	Adaptor, Straight	2
15	Hose (Check Valve to Quick Disconnect)	1
16	Coupler Set (Quick Disconnect)	1
17	Coupler, Case Drain	1
18	Adaptor, Straight	1
19	Hose (Valve to Deck Mounted Adaptor)	1
20	Adaptor (Mounts through deck)	1




**MUST READ
OPERATOR MANUAL
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OPERATOR MANUAL**



For warranty information
call your dealer or go to
www.CIDattachments.com/CID_warranty.html



Ref.	Description	Qty.
1*	Decal, (Danger Pinch Points)	2
2*	Decal, (Warning, High Pressure Fluid Hazard)	1
3	Decal, Must Read Operator Manual	1
4	Decal, Made in the USA	1
5	Decal, Registration & Warranty Info	1
6	Decal, Clean debris from hydraulic couplers	1

***  WARNING** *Replace any worn, torn or missing safety decals before operating!*

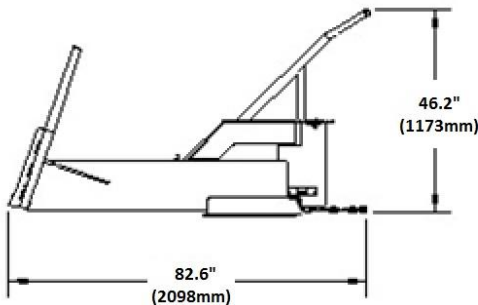
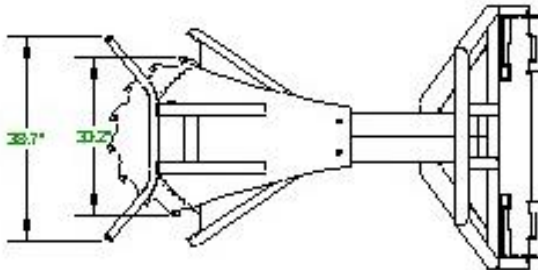
Troubleshooting

Problem	Cause	Resolution
Cutters get dull too quickly	Blade has contacted solid objects (rocks, dirt, steel pipes, etc.)	Clear cutting area of solid objects before hitting them, or raise the saw height to clear exposed rock surfaces.
Cutters breaking	Excessive bending loads	Do not use this attachment as a tree puller or a skidder. It is designed to saw the trees.
Skid steer hydraulic oil level goes down during operation	Leak between skid steer and attachment cylinder	Investigate & repair
	Leaks in skid steer hydraulic system	Investigate & repair
Blade does not rotate	Attachment hoses not securely connected to the skid steer's auxiliary couplers.	Check connection to skid steer. If saw is high flow, verify that attachment's case drain hose has been connected to case drain on skid steer.
	Skid steer's auxiliary circuit faulty.	Refer to skid steer service shop for repairs.
	Saw motor failed	Troubleshoot reason for failure and replace. <u>Always clean dirt and debris from all hydraulic connectors before coupling.</u>

Specifications

Spec.	Model	
	Standard Flow Saw 17-23 GPM (64- 87 L/min)	High Flow Saw 20-30 GPM 75-113 L/min)
Weight	800 lbs. (363 kg)	822 lbs. (373 kg)
Cutting Capacity	10" (254 mm)	
Fell Direction	Front	
Lube Points	Gear Lube in Drive Bearing	
Blade Thickness	1" (25.4 mm)	
Blade Material	AR400	
Min. SSL Power	45 HP (34 kW)	
Hyd. Relief Setting	3000 PSI (207 bar)	
Warranty	12 months - See complete Warranty Statement for details	

X-treme Tree Saw Dimensions



**Think 'Safety'
Every Day!**



Owner's Manual

X-treme

Tree Saw

Website

www.cidattachments.com

For More Information, Contact

sales@cidattachments.com

Phone: (336)859-2002

**1248 N. Main
PO Box 397
Denton, NC 27239**

Limited Warranty

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

Warranty Exclusions

This warranty does not cover normal wear items, including but not limited to, bearings, hoses, 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 misuse, negligence, accidents, or improper maintenance. This warranty does not cover damage due to improper application, installation, contamination, adjustment or setup. This warranty does not cover improper modifications of product. This warranty is void if any components have been disassembled, i.e. pumps, gear boxes, motors.

Specially modified attachments built by CID X-treme Attachments to meet your customer's needs shall not be warranted by Construction Implements Depot, Inc. This warranty does not cover replacement parts not supplied by CID, Inc.

Warranty Statement

Our obligation under this Limited Warranty shall be solely limited to repairing or replacing any part (see non-covered items) free of charge 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, business 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 replacements 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 units. No one but CID, Inc. is allowed to alter, modify or enlarge this warranty nor the exclusions, limitation and reservation at any time.