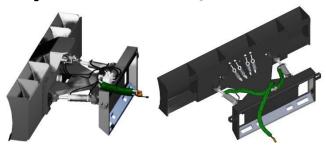


X-treme

6-Way Dozer Blade 4-Way Snow Plow/Dozer Blade



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 6-Way Dozer Blade 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.

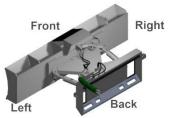
Model (✓) 72" 84" 96"
S/N or MFG. Date
Dealer Name
Dealer Phone
Date of Purchase//

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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.

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.

AWARNING 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, lowering or tilting the blade, make sure the area is clear of bystanders or objects.

Machinery parts sometimes have sharp edges. Wear work gloves when moving parts. Always use caution around attachment parts as they often are very sharp.

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.

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.

Before each operation of this implement, check all hardware (bolts, nuts, pins, etc.) for their proper location and tightness.

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 <u>no</u> 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 attachment when bystanders are within 10 feet (3 m) of the work area.

Operate only during daylight or well-lit artificial light.

Skid Steer Requirements

The 6-Way Dozer Blade should only be used on 50+ HP (37 kW) skid steers with a lift capacity of at least 1800 lbs. and with a weight of at least 5500 lbs. (2495 kg) with the bucket removed.

Smaller skid steers may handle the 4way blade for snow plowing, but may have marginal success in heavier earth moving applications.

A skid steer equipped with tracks will provide superior traction and stability in this application.

▲ 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 Attachment to Skid Steer

A 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 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.

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

Connect the electrical harness to the machine (6-Way only). Ensure that you have connected the machine harness to a 12 volt source and a good ground, preferably to an electrical circuit that is de-energized when the operator is out of the seat.



In-Cab Controller

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

Before operating the attachment, <u>always</u> 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 Walkaround Inspection

Before every use, it is important to perform a short inspection and certain maintenance on your 6-Way Dozer Blade.

	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.		
✓	Take care of our		
	environment. Repair any		
	hydraulic leaks.		

Dozer Blade Controls 6-Way

Your 6-Way Dozer is designed to run off the skid steer loaders auxiliary hydraulic system, with the additional tilt function activated by a control switch 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 pitch functions of the dozer blade are operated with the control handles or pedals in the cab. Consult your skid steers operator's manual for precise instructions regarding these functions.

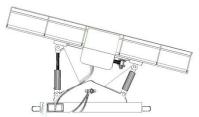
The angle control is operated with the auxiliary hydraulic control switch, handle or pedal in the skid steer operator's cab. Tilt control is operated by activating the toggle on the control box; one direction for tilt-left, and the opposite direction for tilt-right, while the auxiliary switch pedal or handle is being activated.

Your skid steer may have a "float" function on the lift & lower circuit. When placed in the float position, the blade will follow the contour of the ground being worked. This is especially

helpful when back-dragging a new cut. See your skid steer's Operator's Manual for instructions about how to use the float on your skid steer.



Tilt Function
(Tilt Function on 6-way blade only)



Blade Angled – Right (Angle function on 4 & 6-way blades)

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

Dozer Blade Controls 4-Way

Your 4-Way Snow Plow/Dozer is designed to run off the skid steer loaders auxiliary hydraulic system to operate the angle function. Consult your skid steer operator's manual for precise instructions on how to activate and deactivate the auxiliary circuit.

If during your initial startup you realize the angle function operates in the opposite direction that you prefer, you can change positions of the quick disconnect couplers on the attachment hoses to remedy your problem. Height and pitch functions of the dozer blade are operated with the control handles or pedals in the cab. Consult your skid steers operator's manual for precise instructions regarding these functions.

Your skid steer may have a "float" function on the lift & lower circuit. When placed in the float position, the blade will follow the contour of the ground being worked. This is especially helpful when snow plowing or backdragging dirt in a new cut. See your skid steer's Operator's Manual for instructions about how to use the float on your skid steer.

Before Using the Dozer the First Time

▲ WARNING Moving the

dozer with bystanders in the area could result in Death or Serious Injury. Before moving the attachment or machine, always make sure the area is clear of bystanders.

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 & 2 below.

After starting skid steer, lift the attachment 10" (254mm) off the ground surface:

- 1. With the skid steer engine RPMs just above idle, slowly engage the auxiliary hydraulic flow to the dozer blade, angling the blade first all the way to the right and then all the way to the left.

 Repeat this two more times to purge any air from the system.
- 2. (6-Way Only) Activate the auxiliary control and activate the

switch to activate the tilt function on the dozer attachment. Again, move the tilt in both directions a couple times to purge the air from the tilt circuit.

- Lower the attachment to the ground and shut off the skid steer's engine and exit the operator's compartment.
- Check the skid steers hydraulic oil level, and add oil if necessary.
- Inspect the dozer attachment's hydraulic plumbing for any noticeable leaks. Correct these leaks before continuing.

Getting Familiar with the Attachment

DANGER Never operate the dozer when bystanders are within 10' (3 m) of your work area.

▲ 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 dozer blade attached, make sure you are knowledgeable and comfortable with the operation of the dozer blade controls as outlined in the previous and following sections of this manual.

When operating the dozer blade, set the skid steer throttle at a speed that will produce the required flow. If the skid steer is equipped with a foot throttle, use it to control engine speed and power being delivered to the blade. Refer to your skid steer manual or call your local skid steer dealer for additional help, if necessary.

To begin with, learn what the dozer blade looks like in a level dozing position when you are seated in the skid steer. Knowing what a level blade looks like will help you with your dozer operation.

The correct ground speed for dozing with this attachment can be monitored by sound and feel and depends on the material density. If the skid steer engine is bogging down because of taking too big of a bite with the blade, it will be necessary to raise the blade a little until the machine's power can overcome the material load in front of the blade.

Adjusting Blade Height & Level

Use the skid steer loader lift and attachment coupler tilt to adjust the pitch of the blade.

Before Starting

▲ WARNING

Before digging into any surface, always contact the "Diggers Hotline" to identify underground utilities to avoid an accident that could result in Death or Serious Injury to the operator or fellow workers.

Inspect the area to be excavated and make sure it is free of any utilities, rocks, fence posts, or any other objects that you do not want to move.

Determine a safe excavating pattern before the start of the job.

Dozing Tips 6-Way Blade

CAUTIONNever operate this attachment when bystanders are in proximity of the work area that

could result in Minor or Serious Injury from flying debris.

- Always inspect work area before starting the job. Locate and mark any utilities, steel posts, rocks or any other objects that could be damaged or would damage the blade during operation. Never assume the work area is safe and never skip the inspection part before start of operation.
- Operate at a safe slow-paced speed that will allow you to watch the area ahead of the blade & loader. Since about half of your duty cycle may be in reverse, look behind you or utilize your mirrors when backing up. Verify that your back alarm is working properly to warn others when you are in reverse.
- 3. Blade control is the most important element to getting a good, steady cut. Over-loading the blade will only result in spinning the tracks or tires and will make unwanted ruts. Overloading the blade will also necessitate raising the blade to off load some of the resistance occurring by the material. When you raise the blade, you will create an unleveled surface that will increase as the front of the prime mover drives over the rise of the ground surface.
- 4. Before beginning your forward motion with the blade in the dirt, stop the skid steer and make any final adjustments to the blade in terms of pitch, tilt and angle. Look ahead to see if there are any low spots that material will carry to.
- 5. You will find that your most successful dozer operation results will improve when you learn how much of a cut to take with the blade in a single pass. If you must raise the blade, remember that

the skid steer's tires or tracks will also rise when they reach the point where you've raised the blade. For the best results, take a number of shallow cuts where you will not have to raise and lower the blade during the cut rather than take too much and create a rollercoaster surface because you had to raise and lower the blade too often.



No Blade Height Change



Adjusting Blade Too Often

Dozing Tips 4-Way Snow Plow/Dozer Blade

- When using the 4-Way Blade in a dirt application, verify that the trip lock pins have been installed. If the 4-Way Blade is to be used as a snow plow, the trip lock pins must be removed to allow the blade to ride over any solid obstructions on the ground surface. When plowing snow, use the "float" function on the skid steer to allow the blade to automatically vary according to ground surface fluctuations.
- 2. Always inspect work area before starting the job. Locate and mark any utilities, steel posts, rocks or any other objects that could be damaged or would damage the

- blade during operation. Never assume the work area is safe and never skip the inspection part before start of operation.
- 3. Operate at a safe slow-paced speed that will allow you to watch the area ahead of the blade & loader. Since about half of your duty cycle may be in reverse, look behind you or utilize your mirrors when backing up. Verify that your back alarm is working properly to warn others when you are in reverse.
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- 6. You will find that your most successful dozer operation results will improve when you learn how much of a cut to take with the blade in a single pass. If you must raise the blade, remember that the skid steer's tires or tracks will also rise when they reach the point where you've raised the blade. For the best results, take a number of shallow cuts where you will not have to raise and lower the blade during the cut rather than take too much and

create a rollercoaster surface because you had to raise and lower the blade too often.

Maintaining your Attachment

Before Every Use

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

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 cutting edge. Order parts if the cutting edge is becoming worn and replace as soon as possible.

After Every Season

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

Visually inspect the cutting edge. Replace, if necessary.

▲ WARNING Hazardous dust

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

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.

Replace any warning decals that have been lost or damaged.

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.

Cutting Edge Removal & Replacement

⚠ WARNING To avoid an accident that could result in Death or Serious Injury, never find yourself in a position where any body part is located under an unsupported blade or frame when servicing this attachment.

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

1. Lay two 6" X 6" blocks on the floor and rest the dozer blade frame on them.





Rest Blade on Blocks to Change Edge

- 2. Remove the nuts and knock the cutting edge bolts out of the frame and edge.
- 3. After the cutting edge has been removed, take a wire brush or scraper and remove any dirt

- accumulation on the blade mounting surface.
- 4. Install the new cutting edge using new hardware and tighten to the specification listed in the Hardware Torque chart found on this page.

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 hydraulic circuits prior to removing the attachment or any hydraulic system service work.

Hardware Torque

	Grade 2 lb-ft	Grade 5 lb-ft	Grade 8 lb-ft
			公
1/4"	66*	8	12
5/16"	10	17	20
3/8"	20	30	45
1/2"	45	75	110
3/4"	160	260	380
7/8"	190	400	600
1"	-	580	900

*= inch pounds

Higher torques require the use of a torque multiplier. All values are "dry" torques.

Specifications

Spec.	4-Way Snow Plow/Dozer & 6-Way Dozer			
Spec.	Blades			
	72"	84"	96"	
Width	72.55"	84"	96"	
	(1829mm)	(2134 mm)	(2438 mm)	
Weight				
4-Way	810 lbs.	850 lbs.	900 lbs.	
	(367 kg)	(386 kg)	(408 kg)	
6-Way	1300 lbs. (590 kg)	1400 lbs. (635 kg)	1500 lbs. (680 kg)	
Length	32" (813 mm)			
Height	24.33" (618 mm)			
Tilt Capability	10°			
Angle Capability	23°			
SSL Auxiliary Hyd.	1			
Circuits Required				
Hyd. Relief	3000 PSI			
Setting	(207 bar)			

Note: A skid steer equipped with tracks will provide superior stability and traction compared to a non-track unit.

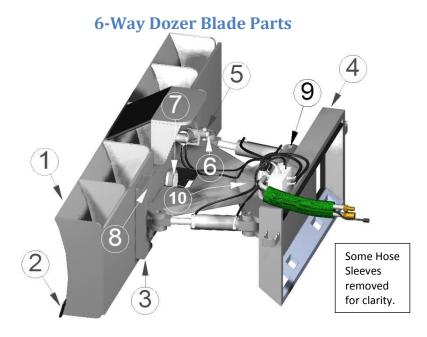
Parts

As this manual includes the 4-Way Snow Plow/Dozer and the 6-Way Dozer, please take care in selecting the parts from the correct parts pages!

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

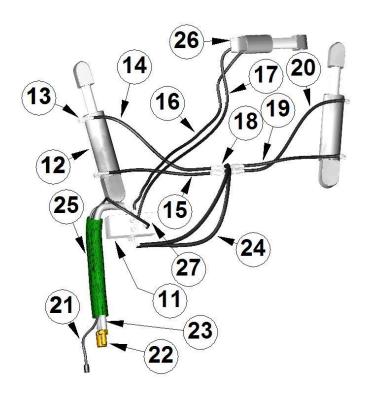
> Implement Model Number Implement Serial Number Cut Width Parts Manual Date (lower right corner) Parts Manual Page Part Description **Quantity Required** Ship-to Name & Address Payment Method

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



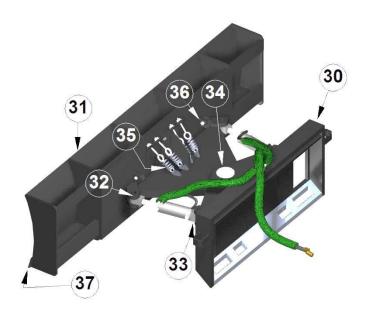
Ref.	Description	Qty.
1	Blade Frame Weldment	1
2	Cutting Edge	1
	Carriage Bolt & Nut	10
3	Pivot Plate	1
4	Attachment Plate	2
5	Pin (Angle Cylinder – Rod End)	2
6	Pin (Tilt Cylinder – Base End)	1
7	Pivot Pin & Bushing Set	1
8	Pivot Plate	1
9	Pin (Angle Cylinder – Base End)	2
10	Pin (Angle Pivot)	1

6-Way Hydraulic/Electrical Parts



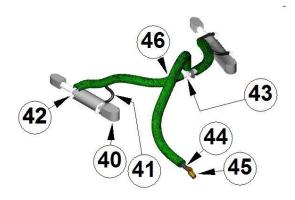
Ref.	Description	Qty.
11	Selector Valve	1
12	Angle Cylinder	1
13	Fitting, 90° (Angle Cylinders)	4
14	Hose (Tee to LH Angle Cylinder – Rod End)	1
15	Hose (Tee to LH Angle Cylinder – Base End)	1
16	Hose (Valve to Base End of Tilt Cylinder)	1
17	Hose (Valve to Rod End of Tilt Cylinder)	1
18	Tee	2
19	Hose (Tee to RH Angle Cylinder – Base End)	1
20	Hose (Tee to RH Angle Cylinder – Rod End)	1
21	Electrical Harness	1
22	Quick Disconnect Coupling Set	1
23	Hose (Valve to Quick Disconnect Couplings)	2
24	Hose (Valve to Tee)	2
25	Sleeve (Hose Protection) Specify Length	A/R
26	Tilt Cylinder	1
27	Solenoid Valve Cartridge	1

4-Way Snow Plow/Dozer Blade Parts



Ref.	Description	Qty.
30	Coupler Frame	1
31	Blade Weldment	1
32	Pin (Angle Cylinder – Rod End)	2
33	Pin (Angle Cylinder – Base End)	2
34	Pin (Pivot Pin)	1
35	Spring (Trip Mechanism)	4
36	Pin (Trip Lock)	3
37	Cutting Edge (Specify 72", 84" or 96")	1
	Bolt & Nut (Cutting Edge Retaining)	Varies

4-Way Snow Plow/Dozer Hydraulic Parts



Ref.	Description	Qty.
40	Cylinder, Angle	2
41	Hose (Tee to Cylinder Base End)	2
42	Hose (ate to Cylinder Rod End)	2
43	Tee	1
44	Hose (Tee to Quick Disconnects)	2
45	Quick Disconnect Coupling Set	1
46	Sleeve (Hose Protector) – Specify Length	3

Decals



To prevent serious injury or death from pinching: · Keep all persons and objects clear while any part of this machine is in motion



65*



67

Register your product at www.CIDattachments.com

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





Ref.	Description	Qty.
65*	Decal, (Danger Pinch Points)	2
66*	Decal, (Warning, High Pressure Fluid Hazard)	1
67	Decal, Made in the USA	1
68	Decal, Registration & Warranty Info	1
69	Decal, Construction Implements Depot, Inc. 1	

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

Troubleshooting

Problem	Cause	Resolution
Hydraulic oil level goes	Leak at hoses on	Investigate & repair
down during operation	attachment	
	Leak in skid steer hydraulic	Investigate & repair
	system	
Blade Tilt does not function	Mechanical	Rock or other debris is
(6-Way Only)		wedged in tilt pivot area.
		Clean.
	Electrical	Attachment harness not
		plugged into skid steer's
		12V electrical system. Plug
		it in or check for 12V.
		Solenoid coil is not
		connected or has failed
		Selector switch has failed,
		or harness has gotten
		pinched breaking wires in
		the harness. Repair or
		replace.
	Hydraulic	Valve spool in cartridge is
		not shifting when the tilt
		function switch is
		activated. Contaminants
		could cause spool to jam.
		Clean or replace solenoid and spool cartridge.
Blade Angle does not	Mechanical	Rock or dirt wedged in
_	ivieciiailicai	pivot area. Clean
function properly	Hydraulic (6-Way Only)	If tilt function moves when
	Tryuraunc (o-vvay Only)	switch is not activated,
		spool in cartridge valve is
		jammed in the open
		position. Clean or replace
		cartridge.
	Hydraulic (All)	Cylinder piston seals
	, 3. 22 ()	bypassing. Rebuild or
		replace cylinder(s).
Snow Plow will not trip	Lock pins hold blade to	Remove lock pins for when
(4-Way Only)	frame	plowing snow.
(: :: 2 / 2 / /	1	F12 1111/0 0110111

Think Safety, Everyday!



1248 N. Main PO Box 397 Denton, NC 27239

Owner's Manual6-Way Blade4-Way Blade

Website

www.cidattachments.com
For More Information, Contact
sales@cidattachments.com

Phone: (336)859-2002

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, 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.