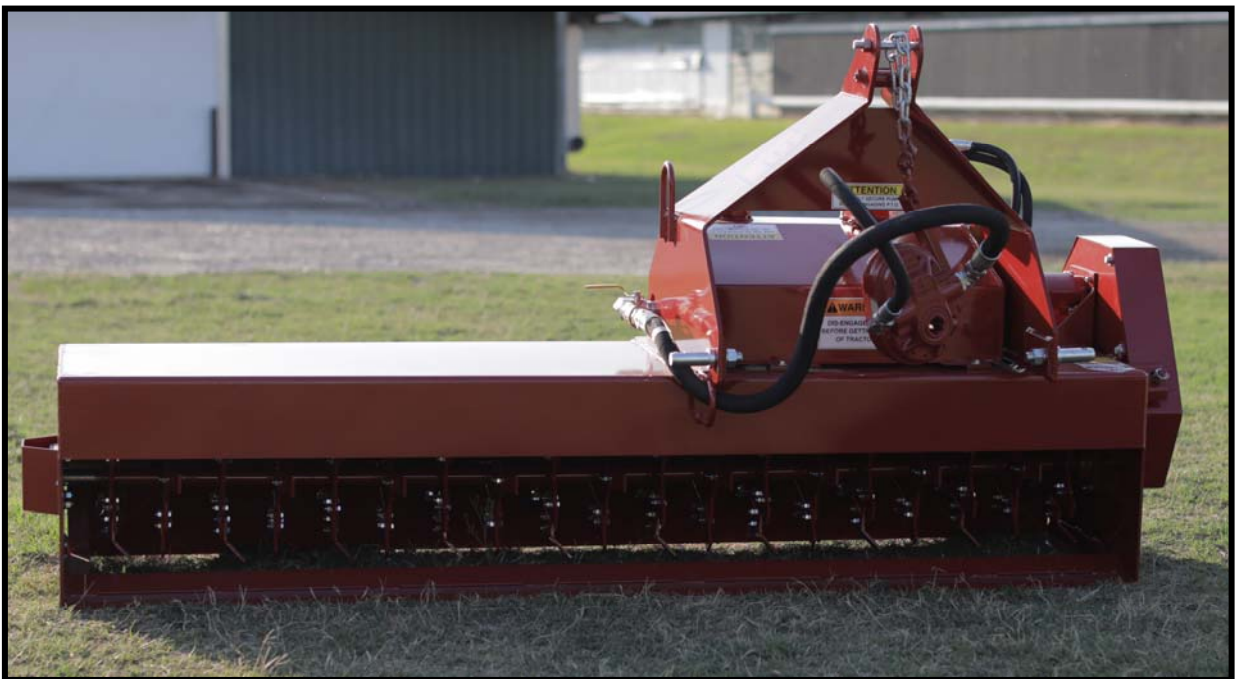




CRUSTBUSTER OWNER / OPERATOR MANUAL



MODEL # CB-1 CRUSTBUSTER

Manufactured by: **LEWIS BROTHERS MANUFACTURING, INC.**
Post Office Box 146
Baxley, GA 31513
Tel: (912) 367-4651
Fax: (912) 367-3958

5-2-17

INTRODUCTION

All Lewis Brothers equipment is manufactured under stringent production and quality assurance procedures prior to preparation for shipment. A final quality check is performed on all equipment before shipping.

The best equipment is only as good as its operation and management. Sound operation and good preventive maintenance practices are essential to efficient performance of your Lewis Crustbuster.

Questions on parts and service for the equipment covered in this manual should be referred to the local dealer from whom the equipment was purchased, or the nearest Lewis Brothers Dealer.

We sincerely thank you for purchasing Lewis Brothers equipment.

TABLE OF CONTENTS

INTRODUCTION	2
SAFETY	4
Owner's And Operator's Responsibility	5
General Precautions	6
WARRANTY	7
Limited Warranty	8
SPECIFICATIONS	9
Model CB-1 Specifications	10
SETUP AND OPERATION	11
Attachment to Tractor	12
Operating Instructions	14
MAINTENANCE	15
Chain Adjustment	16
Knife Replacement	17-18
DECALS	19-21
PARTS	22-28

SAFETY

OWNER'S AND OPERATOR'S RESPONSIBILITY

This manual is intended for use with your Lewis Crustbuster. Extra effort has been made to provide for safe operation of this equipment. This manual as well as the safety decals placed on the equipment is part of that effort. Your new Crustbuster should perform the various functions for which it was designed if it is maintained, adjusted to your specific conditions, and operated correctly.

It is the responsibility of the owner and every operator of this equipment to read and understand this manual before initial startup, before each season, before performing service or maintenance tasks and prior to storing the equipment. Each employee who will work on or around this equipment should be instructed in how to do so safely.

It is important to understand the operational methods and safety issues mentioned in this manual. Lewis Brothers cannot anticipate all conceivable ways service and operational functions might be performed and of the possible hazardous consequences of such. Anyone using or servicing this equipment must first satisfy themselves that their chosen methods do not jeopardize the safety of themselves, others, or the equipment.

Read the warranty on page 8. The purchaser is required to fill out and return the registration card supplied with this owner's manual within ten (10) days of purchase to Lewis Brothers Manufacturing to be eligible for warranty coverage.

Genuine Lewis replacement parts will insure the durability and long life of your Crustbuster. Lewis repair parts and optional equipment should be ordered through your Lewis Brothers' Dealer.

Operators should thoroughly inspect the Crustbuster before and after each use. All bearings should be properly lubricated as specified, and any worn or damaged parts repaired or replaced. Failure to repair or replace worn parts could result in damage or excess wear to other parts.

Be sure that all shields are in place. Do Not attempt to work on Crustbuster when supported by tractor lift.

GENERAL PRECAUTIONS

- **MAKE SURE** everyone is clear of the equipment before starting the tractor's engine and while equipment is under operation.
- **DO NOT** permit anyone to ride on this equipment.
- **KEEP** hands, feet, hair and clothing away from all moving parts. Do not wear loose clothing while operating equipment, as this may present an entanglement hazard.
- **DRIVE** the pulling tractor at speeds compatible with conditions and good safety practices. This is especially important when operating over rough ground, on slopes, crossing ditches or while turning.
- **NEVER LEAVE** this equipment in the raised position when parked and unattended.
- **STOP** the tractor's engine and relieve any hydraulic pressure before disconnecting any part of the hydraulic system.
- **MAKE SURE** hitch components are attached securely before operating or transporting.
- **USE** flashing warning lights when on highways, except where prohibited by law.
- **STOP** tractor engine before leaving operator's position to adjust, lubricate, clean or unclog machine.
- **KEEP** all shields in place.
- **MAXIMUM** towing speed is 25 MPH.
- **OBSERVE** all safety decals located on machine. Should any safety decal become damaged unreadable, or lost, **REPLACE IT IMMEDIATELY**. New decals may be obtained from your Lewis Brothers' dealer.
- **WEAR** dust respirator at all times while using this machine (3M part # 8710 is recommended).

WARRANTY

LEWIS BROTHERS MANUFACTURING, INC.

LIMITED WARRANTY

Lewis Brothers Manufacturing, Inc. (hereinafter referred to as "LBM") warrants each item of new equipment manufactured by LBM to be free from defects in material and workmanship under normal use and service.

The obligation of LBM under this LIMITED WARRANTY is limited to repair or replacement, as LBM may elect, of any parts that prove, in LBM's judgment, to be defective in material and workmanship within the first twelve (12) months after the date of invoice to the original purchaser. THIS LIMITED WARRANTY DOES NOT APPLY TO BELTS, HYDRAULIC HOSES, TIRES, AND OTHER SERVICE ITEMS, WHICH SHALL HAVE A NINETY (90) DAY WARRANTY.

THIS LIMITED WARRANTY WILL APPLY FOR (3) MONTHS ONLY WHEN THE UNIT IS USED IN A COMMERCIAL APPLICATION.

All warranty part repairs and replacements must be made by a certified LBM dealer. Any outside work or alterations made without written approval of LBM will render this LIMITED WARRANTY void.

LBM's obligation specifically excludes any liability for consequential damages, such as loss of profit, delays, expenses, damage to goods or property used in connection with or processed in or by the product sold, or damage to the product sold from whatever cause, whether or not such loss is due to negligence by LBM.

This LIMITED WARRANTY shall not apply to any item that has been operated in a manner not recommended by LBM.

No person is authorized to give any other warranties or to assume any other liability on behalf of LBM unless made in writing by Lewis Brothers Manufacturing, Inc.

THIS LIMITED WARRANTY IS IN LIEU OF AND REPLACES ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXCLUDED, AS ARE ALL OTHER REPRESENTATIONS TO THE USER-PURCHASER AND ALL OTHER OBLIGATIONS OR LIABILITIES, INCLUDING LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES, ON THE PART OF LBM.

LEWIS BROTHERS MANUFACTURING, INC.
P.O. BOX 146 - BAXLEY, GA. 31513
FEBRUARY 1, 2007

SPECIFICATIONS

SPECIFICATIONS

Lewis Crustbuster Model # CB-1

Overall Length	27 inches
Overall Width	89-1/2 inches
Throat	84 inches
Weight	920 lbs.
PTO Hydraulic Pump	15 gallons
Hydraulic Pressure @ 540 rpm	2200 PSI
Hydraulic Oil	AW-68
Oil Reservoir Capacity	14 gallons
Tractor Horsepower required	45 HP

SETUP AND OPERATION

MACHINE SETUP

Attachment to Tractor

The Lewis Crustbuster can be operated on any tractor equipped with a standard 3-point hitch. Attach the Crustbuster as shown in (Figure 1) and secure with the proper attachment pins. Attach the hydraulic pump to the tractor PTO shaft. Slide the pump onto the PTO shaft as far as possible. Secure its position by wrapping the chain on the torque arm around some portion of the tractor hitch which is secure and will not allow the pump to slide off or spin once the PTO is engaged. A good place to chain the pump is around the top link pin. Always try to pull the pump from the PTO after it is chained into place. If the pump slides very far back on the shaft it is not snug enough. Take up another link on the chain and repeat the process again. Making this connection too tight may put excess pressure on the PTO shaft resulting in damage to pump or shaft. (Figure 1)



Figure 1

Be sure the cylinder is rotating in a clockwise direction when viewed from the end opposite hydraulic motor. (Figure 2)

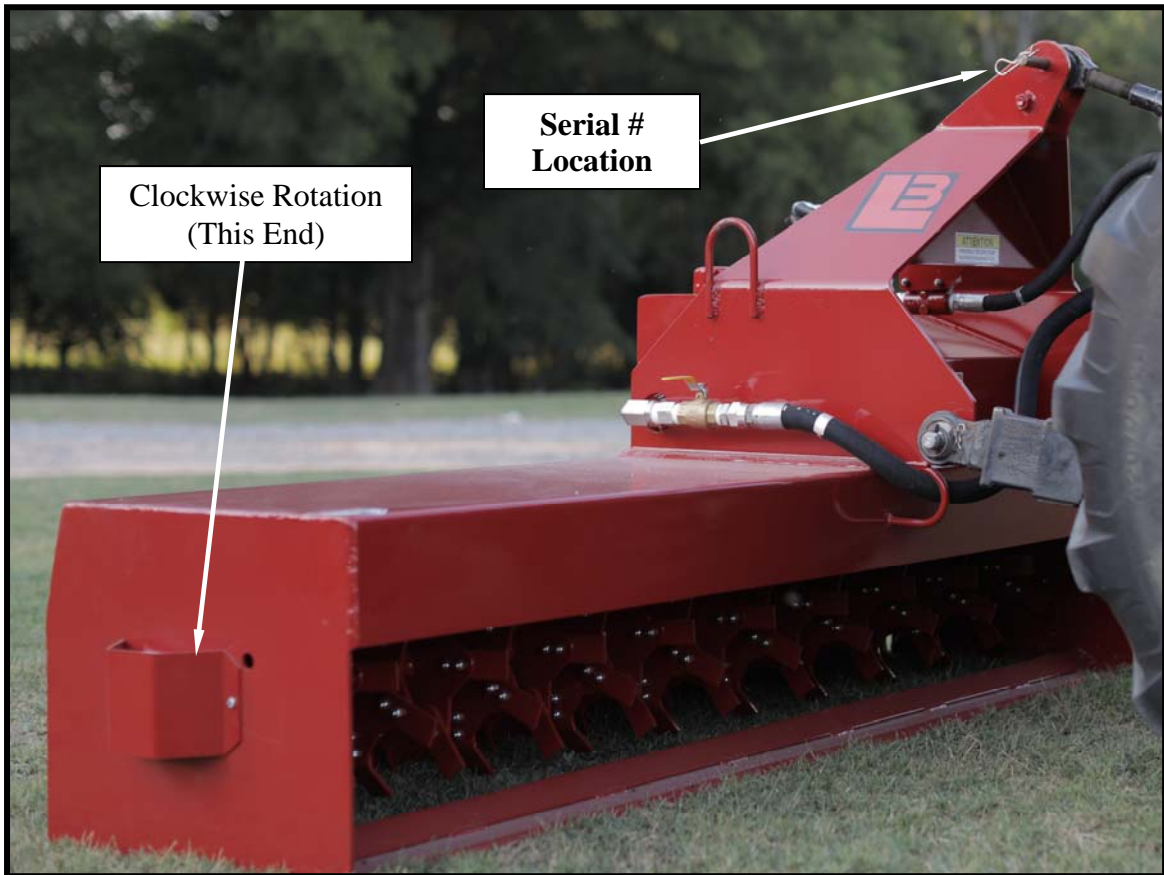


Figure 2

Operating Instructions

The operator should attempt to maintain the same position through out the house. Operating the Crustbuster too close to the wall could result in excess pressure against the wall. (Figure 5)

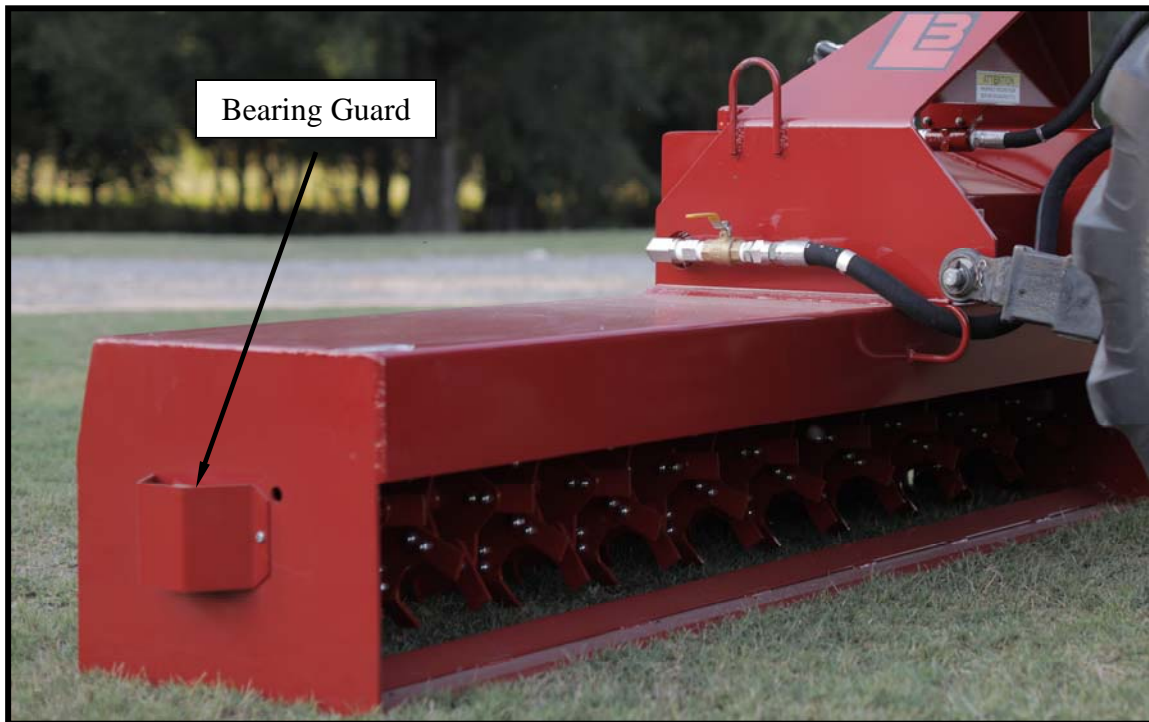


Figure 5

Slower ground speed would be needed when heavy or wet cake is present. Excessive ground speed will result in poor performance and lead to unsafe conditions.

Be sure to wash, clean, and lubricate the Crustbuster after each use..

Keep all shields in place and replace any decals that become worn or missing.

Keep hands and feet away from moving parts.

MAINTENANCE

MATINTENANCE

CHAIN ADJUSTMENT

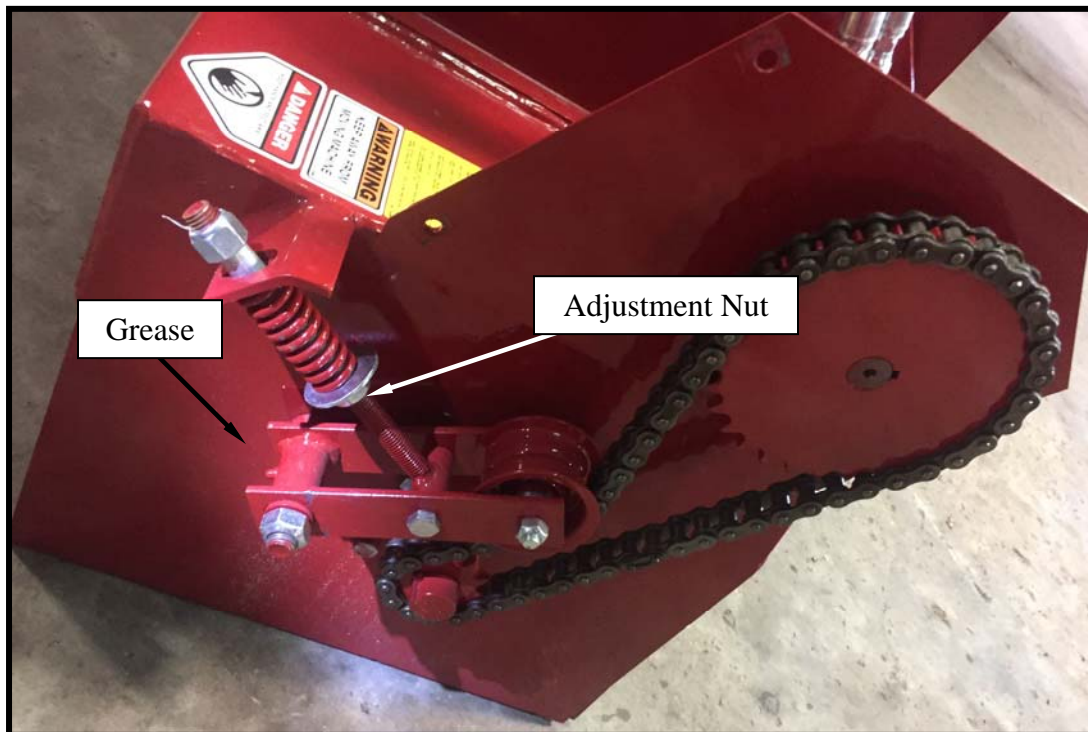


Figure 7

Tighten adjustment nut until roller is snug against chain then turn 4 more turns, then tighten lock nut to tube. (Figure 7)

KNIFE REPLACEMENT

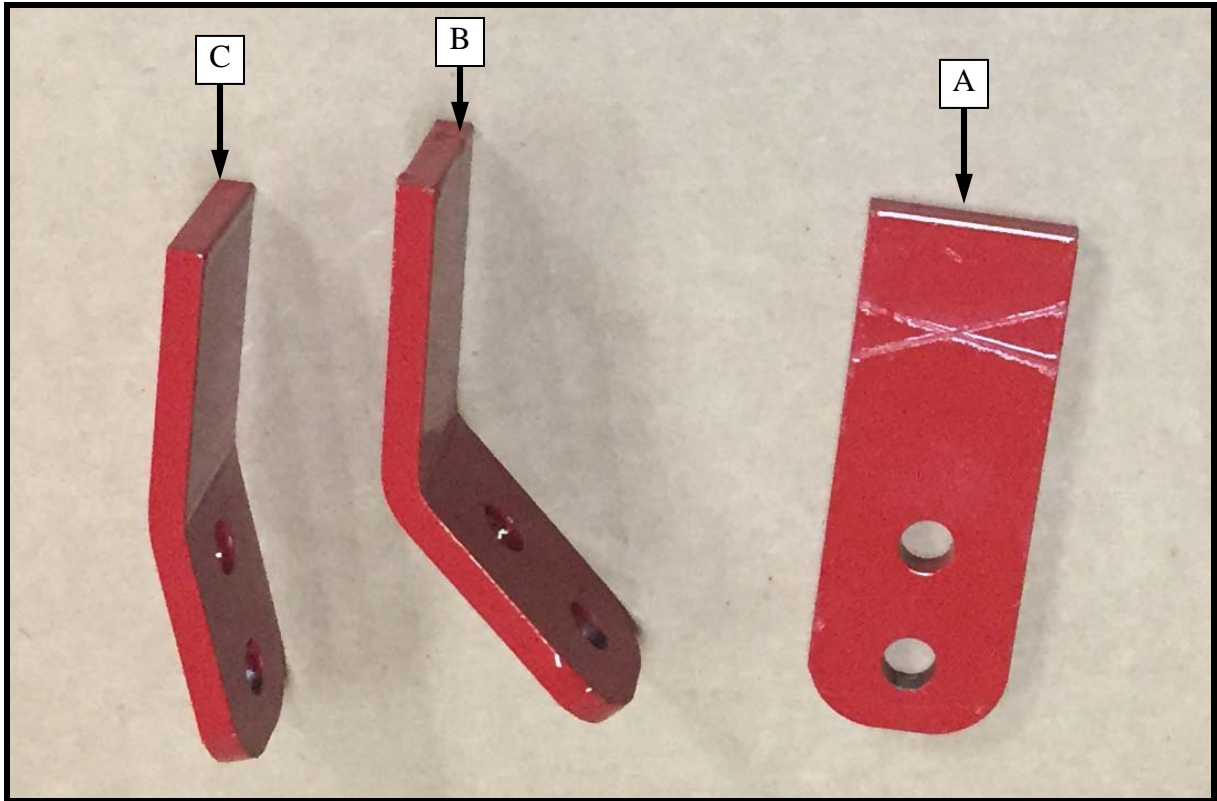


Figure 8

Secure Shaft where end Disk has one point vertical and place knife on disk as labeled.(Figure9) Knife (A) will move 30° clockwise from disk 1A to 2A then counter clockwise on the following disk labeled 1A. (Figure 10)

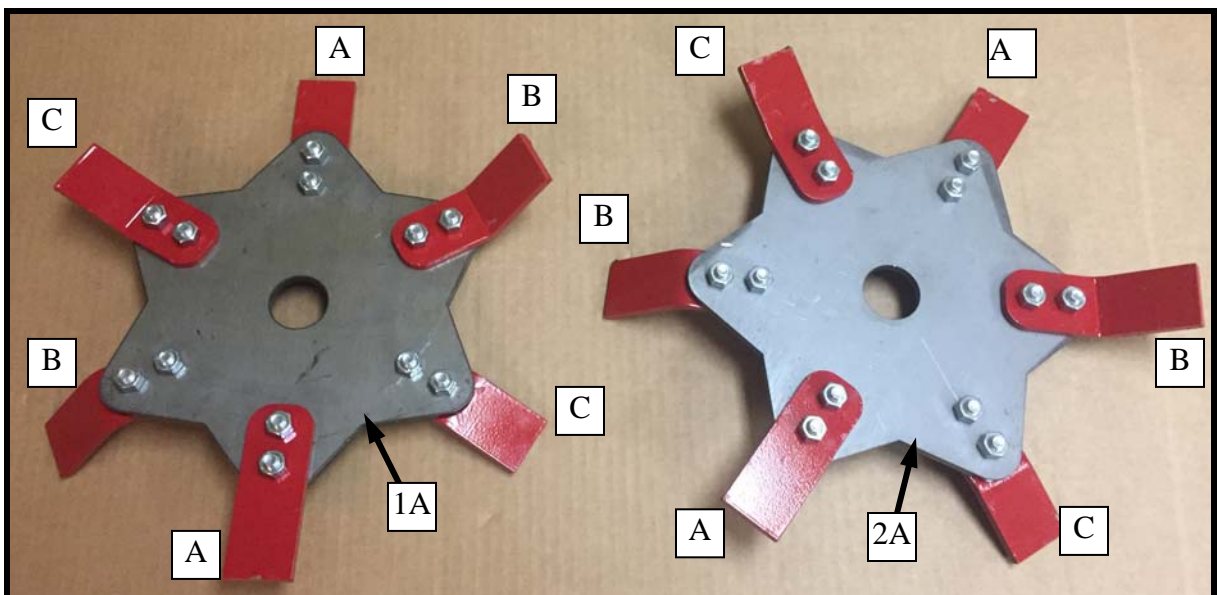


Figure 9

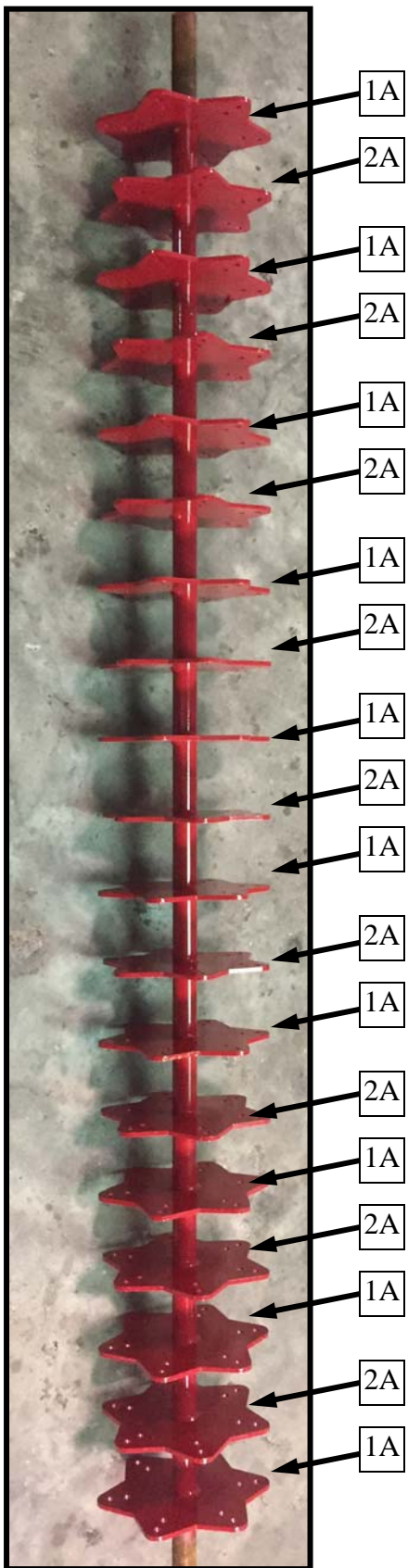


Figure 10

DECALS



HK-100919



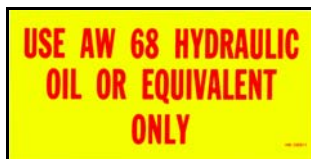
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HK-100899



HK-100912



HK-100911



HK-100910



HK-100986



HK-100918



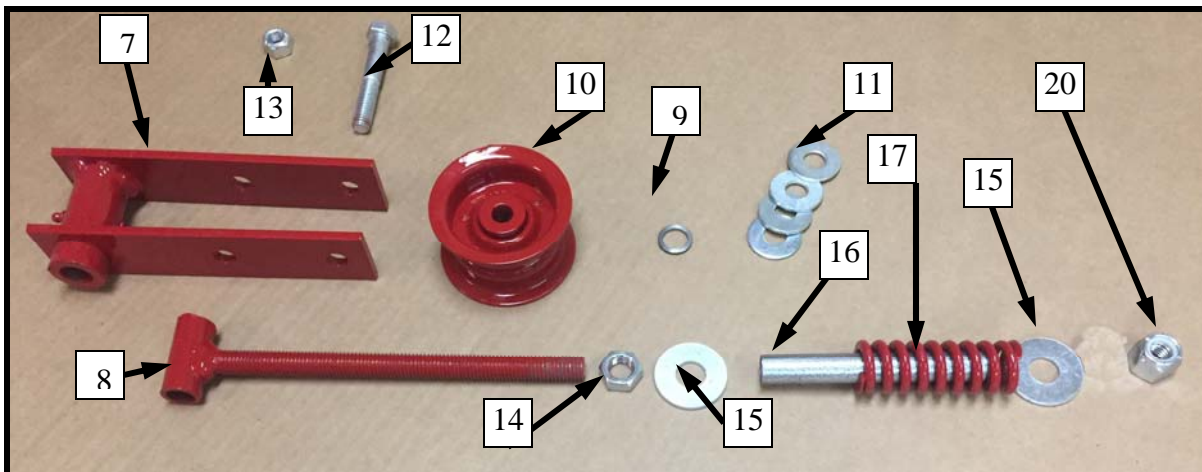
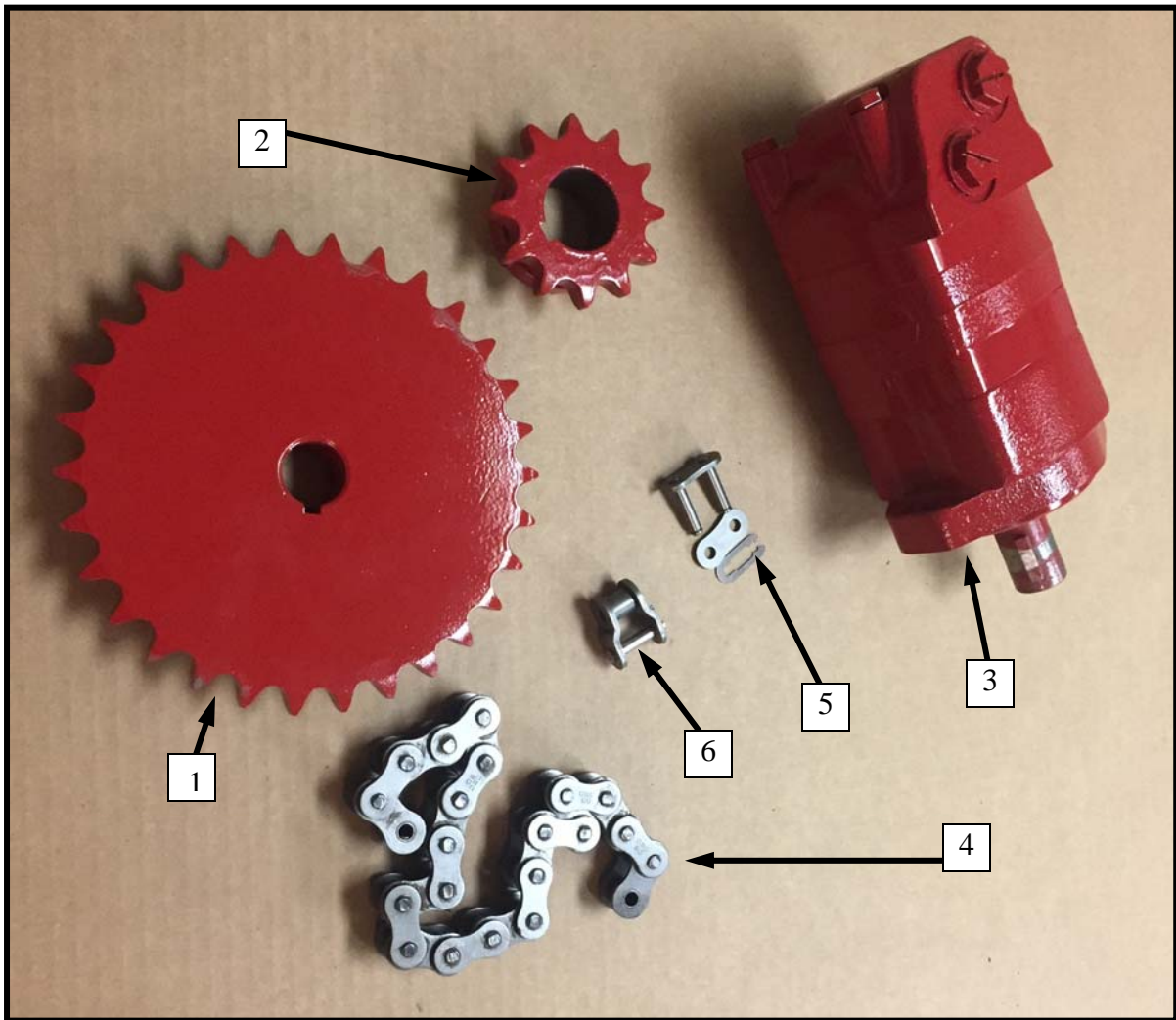
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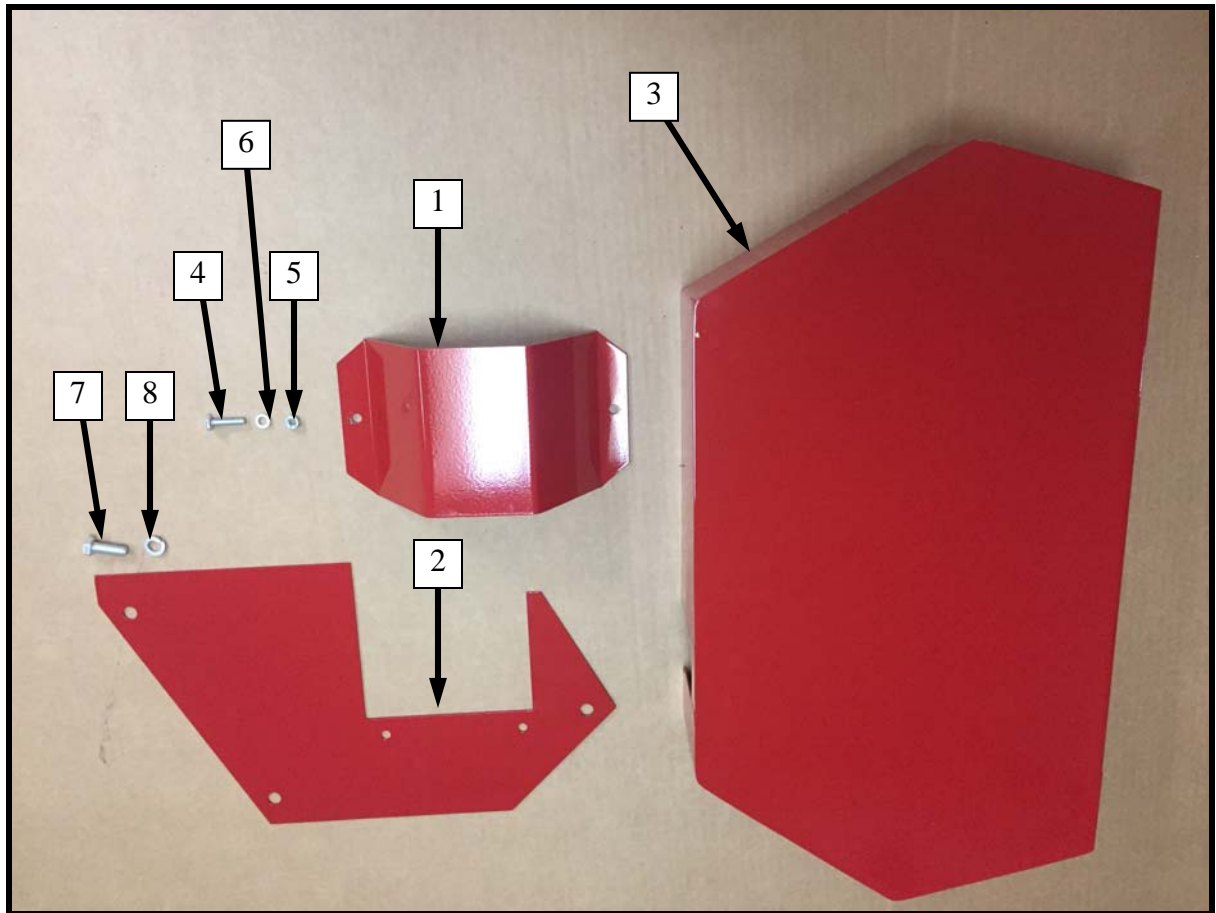
PARTS

Drive Parts



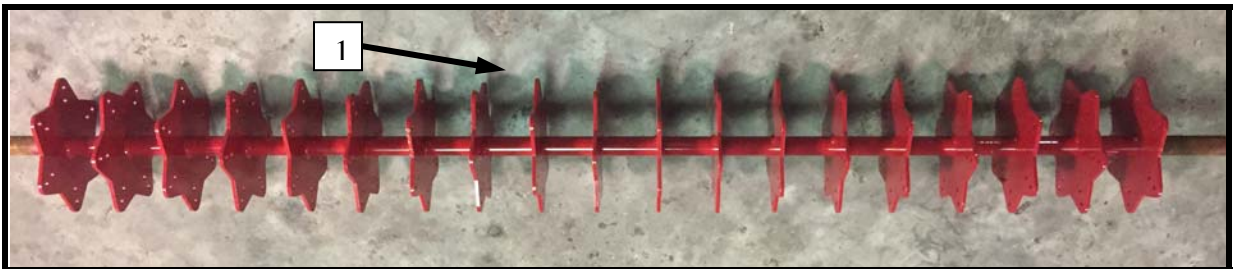
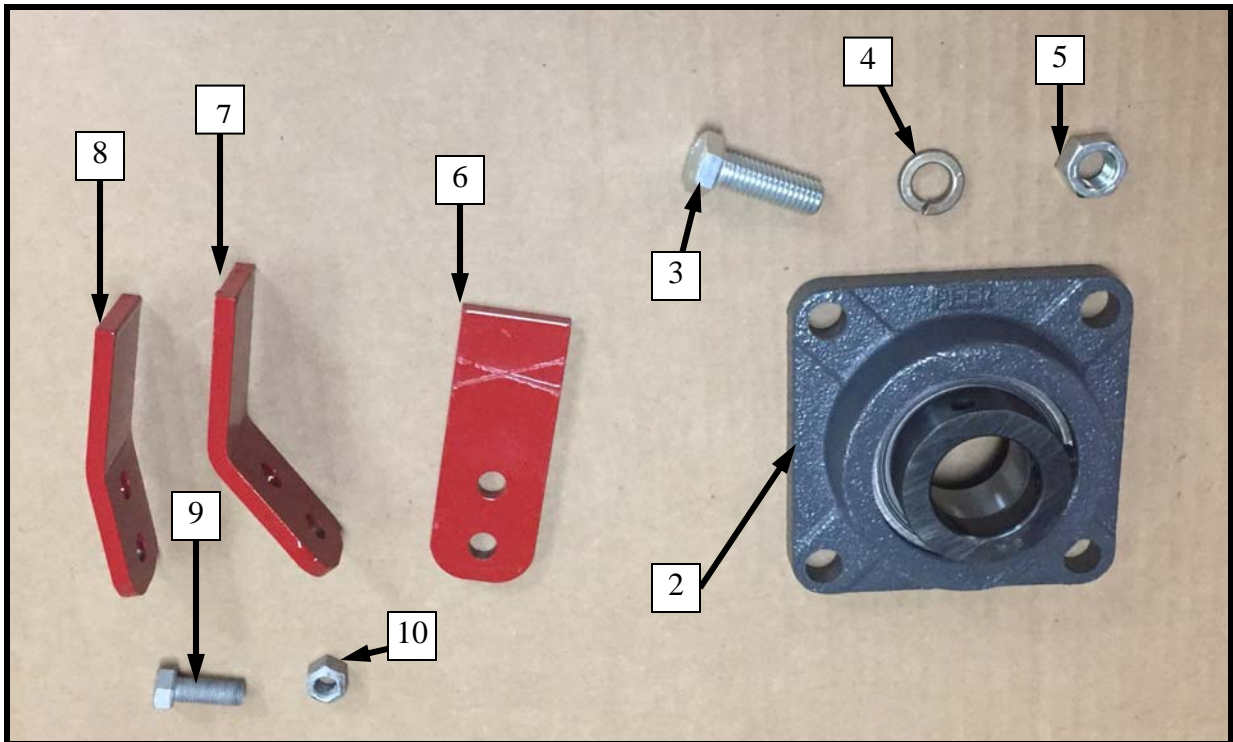
ITEM #	PART #	DESCRIPTION
1	CB-200025	SPROCKET (30T)
2	HK-101230	SPROCKET (12T)
3	WB-100070	HYD. MOTOR
4	WR-600092	#60 HD ROLLER CHAIN (44.25 IN.)
5	WR-600094	#60 HD CONNECTING LINK
6	WR-600093	#60 HD OFFSET LINK
7	CB-200035	CHAIN TENSION ARM WELDMENT
8	CB-200037	CHAIN ADJUSTMENT ROD WELDMENT
9	HK-100961	SHIM- SPACER
10	HK-101295	IDLER
11	HW-325208Z	1/2,USS,WASHER, FLAT, ZP
12	HW-208122G5Z	BOLT,HH, 1/2-13 X 3-1/4 LG, G5, ZP
13	HW-301208SC	NUT,STOVER LOCK, HEX, 1/2-13, CADMIUM PLATED
14	HW-300208ZG5	NUT,HEX, 1/2-13, ZP
15	HW-325216Z	WASHER,FLAT, 3/4 USS, ZP
16	WR-600359	CHAIN TENSION SPRING GUARD
17	HK-100726	SPRING
18		
20	HW-301212NEZ	NUT, NYLON INSERT LOCK, HEX, 5/8-11(TYPE NE) ZP

Guards



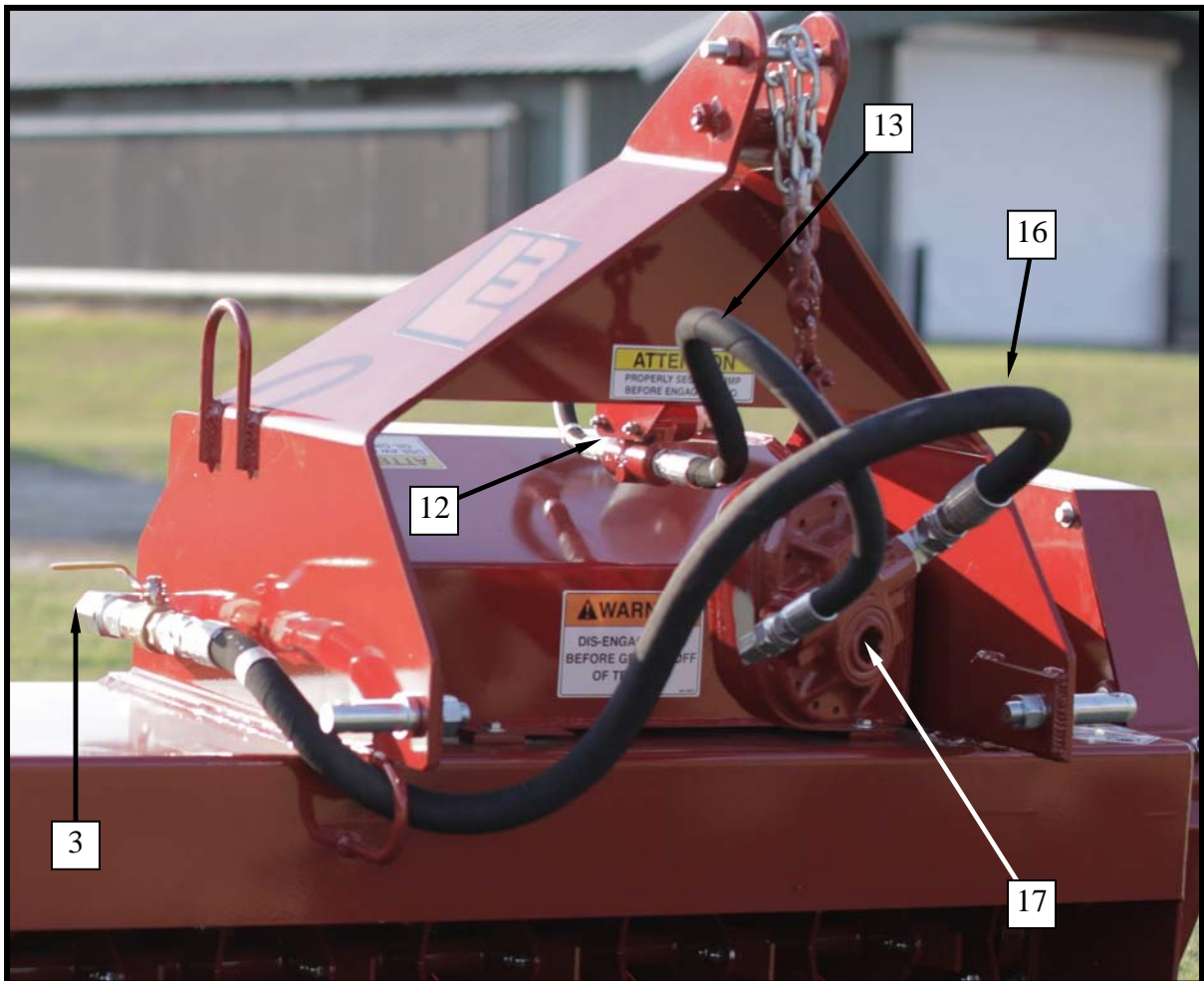
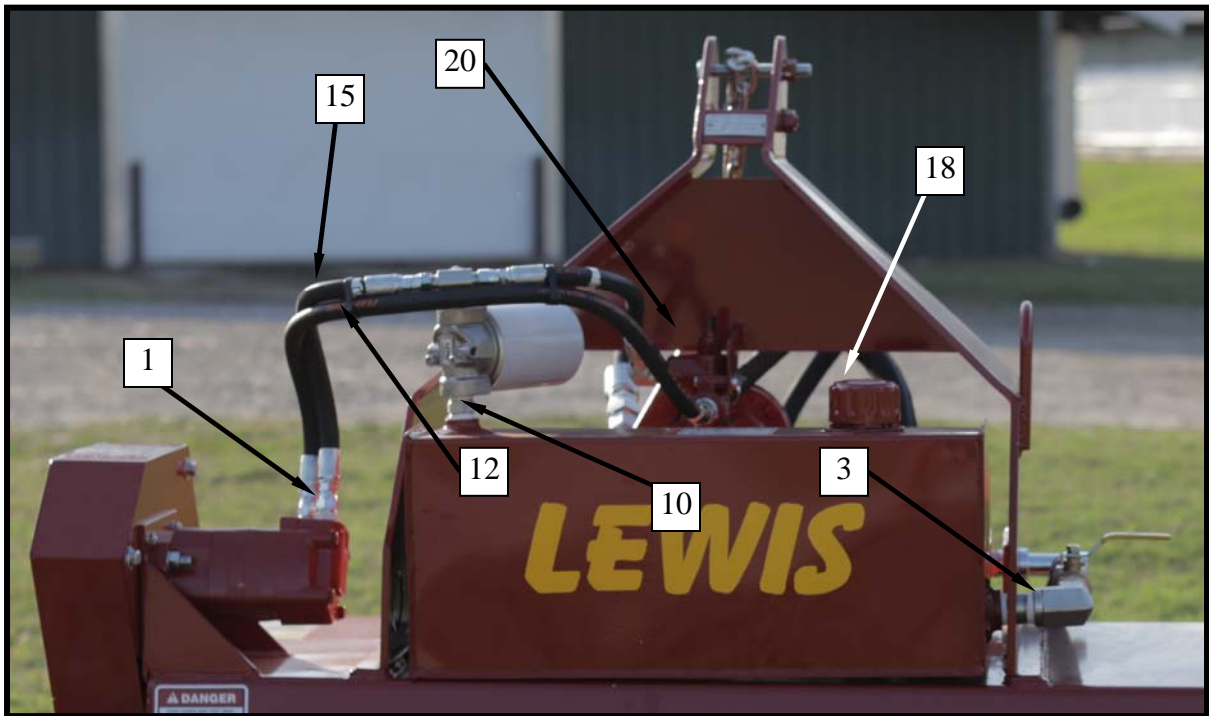
ITEM #	PART #	DESCRIPTION
1	CB-200055	BEARING COVER
2	CB-200245	GUARD BACK
3	CB200240	CHAIN GUARD
4	HW-200104G5	BOLT, HH, 1/4-20 X 1 LG, G5
5	HW-300200ZG5	NUT, HEX, 1/4-20, ZP, G5
6	HW-335200Z	WASHER, LOCK, 1/4 , ZP
7	HW-204104G5Z	BOLT, HH, 3/8-16 X 1 LG, G5, ZP
8	HW-335204Z	WASHER, LOCK, 3/8, ZP

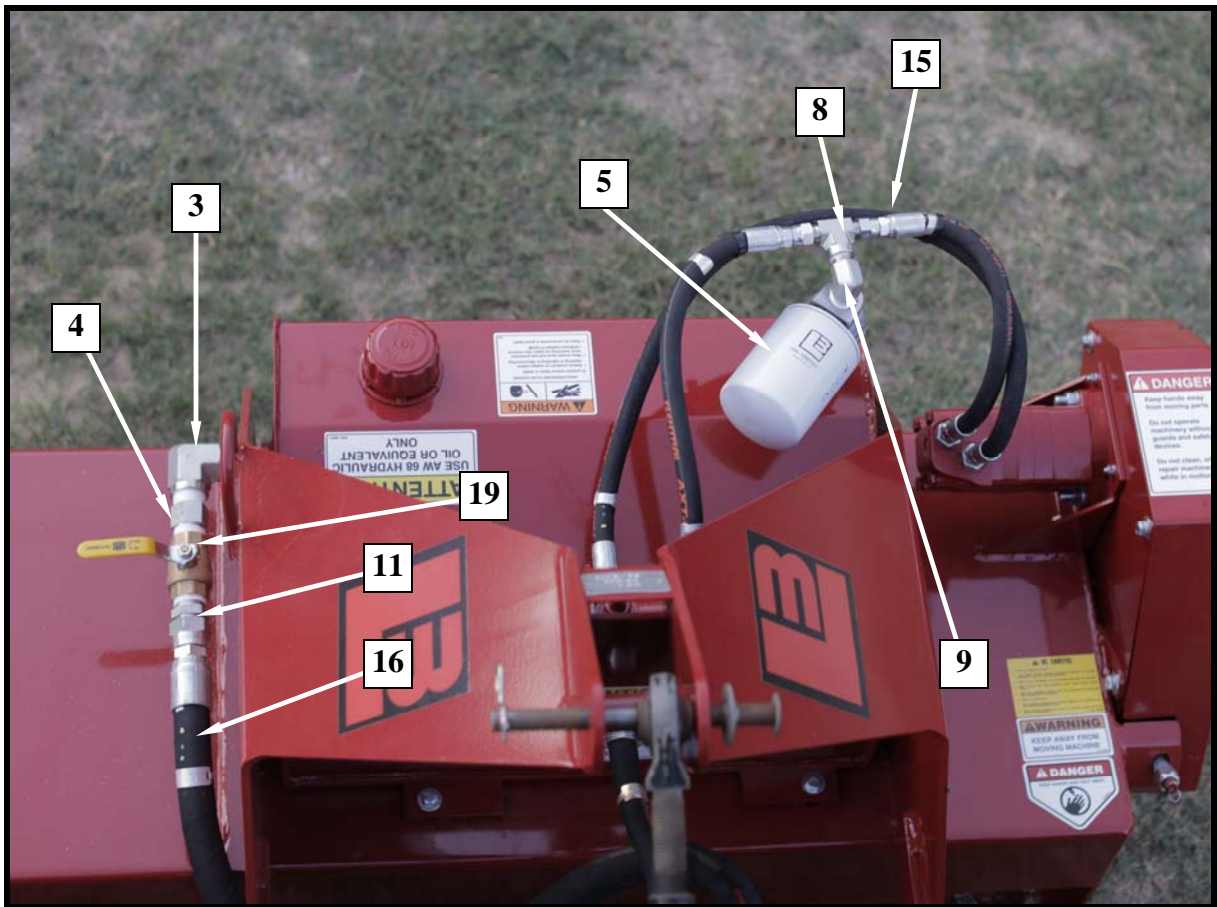
Reel



ITEM #	PART #	DESCRIPTION
1	CB-200230	REEL
2	HK-100464	FLANGE BEARING
3	HW-208112G5Z	BOLT,HH,1/2-13 X 2 LG, G5, ZP,
4	HW-335208Z	WASHER, LOCK, 1/2, ZP
5	HW-300208ZG5	NUT, HEX, 1/2-13, ZP, G5
6	CB-200227	CRUSTBUSTER KNIFE #3
7	CB-200225	CRUSTBUSTER KNIFE #1
8	CB-200226	CRUSTBUSTER KNIFE #2
9	HW-204104G5Z	BOLT, HH, 3/8-16 X 1 LG, G5
10	HW-301204TLZ	NUT, TOP LOCK, HEX 3/8-16,

Hydraulic Tank and Parts





Item #	Part #	Description
1	HK-101581	6400 M-JIC 08 / M-ORB 10
2	HK-101578	6801 M-JIC 12 / M-ORB 12 90°
3	WB-100198	5504- F-NPT 16 / F-NPT 16 90°
4	WB-100209	5404N-16 X 3.0 (LONG STRAIGHT NIPPLE 3" MP X MP)
5	HK-100722	FILTER ASSY
6	CB-200323	6801- M-JIC 16 / M-ORB 16 90°
7	WB-100210	5500-M-NPT 12 / M-NPT 08 90°
8	CB-200324	2602-M-JIC 08/ M-JIC 08/ F-NPT 08
9	CB-200325	2501-M-JIC 08 / M-NPT 12 90°
10	HK-100772	NIPPLE 5404-MP 12/ MP 12
11	CB-200320	2404-M-JIC 16 /M-NPT 16
12	CB-200314	Valve to Motor (Pressure)
13	CB-200313	Pump to Valve
14	CB-200312	Valve Return to Tank
15	CB-200311	Motor to Filter
16	CB-200310	Tank to Pump
17	HK-101331	Pump / Torque Arm Kit (Not Shown)
18	HK-100422	Cap Only with Dipstick (Not Shown)
19	H 109	Ball Valve
20	SD-300068	Relief Valve