



LEWIS LITTER BLADE OWNER / OPERATOR MANUAL



MODEL # WB-1 LITTER BLADE

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

1-29-14

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 Litter Blade.

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.

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SAFETY

OWNER'S AND OPERATOR'S RESPONSIBILITY

This manual is intended for use with your Lewis Litter Blade. 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 litter blade 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 litter blade. Lewis repair parts and optional equipment should be ordered through your Lewis Brothers' Dealer.

Operators should thoroughly inspect the litter blade 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 blade 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 by actuating all hydraulic valves in both directions 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 Litter Blade Model # WB-1

Width	9' 8"
Length	9'
Extension Blade	28"
Weight	900 lbs.
Hydraulic Requirement	10 gpm (minimum)
Blade	Beveled, High strength steel
Oil Type (Optional Tank Assembly)	AW68
Capacity	14 gal.

SETUP AND OPERATION

MACHINE SETUP

Attachment to Tractor

The Lewis Litter Blade can be operated on any tractor equipped with a standard 3-point hitch. Attach the litter blade as shown in (Figure 1) and secure with the proper attachment pins. Install the hydraulic hoses at the proper location on the tractor. 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 hydraulic drive end. (Figure 2)

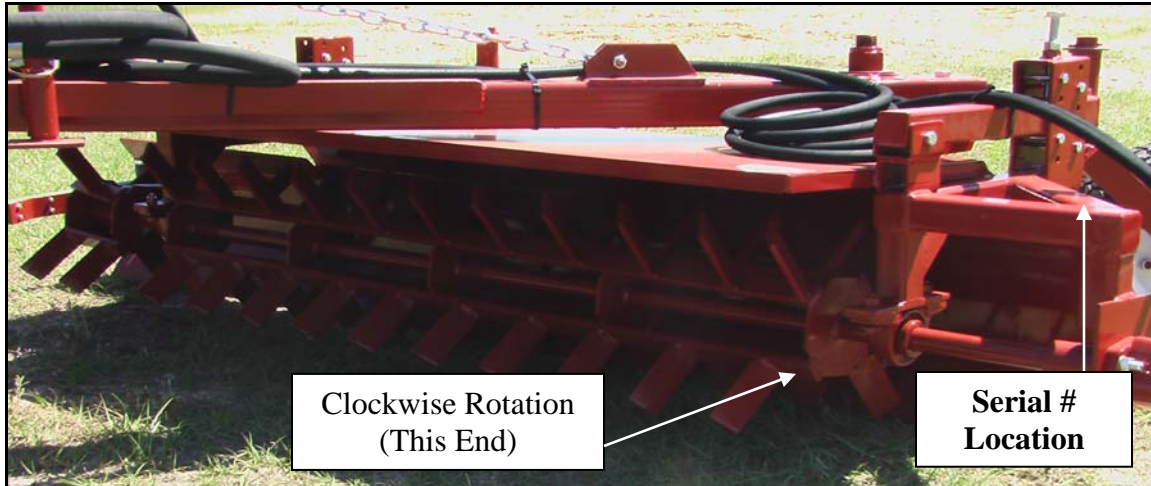


Figure 2

If the cylinder is not rotating clockwise, then reversing the hose connections or moving the lever in the opposite direction at the tractor should result in correct rotation. If the tractor is not equipped with auxiliary hydraulic power or if there is insufficient hydraulic capacity (min. 10 gpm) then the optional self-contained tank and pump assembly would be required. (Figure 3)



Figure 3

The Lewis Litter Blade has been pre-set at the factory to be level when properly attached to the tractor. Due to various differences in tractors and conditions it may become necessary to adjust the blade. The blade should be adjusted on a level surface with the chain support having no slack. The gauge wheels can be raised or lowered to adjust the level and depth the blade will travel. (Figure 4) Simply remove the bolts and adjust the screws to the desired position and replace the bolts when finished.

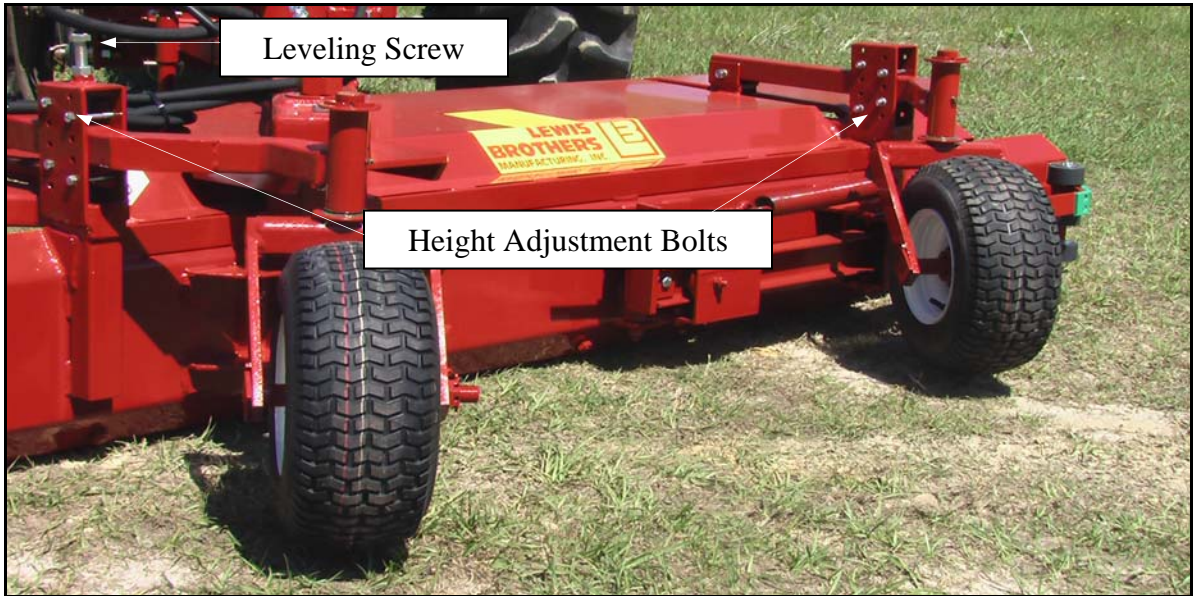


Figure 4

Operating Instructions

When removing litter from the walls, the operator should attempt to maintain the same position through out the house. The sliding blade should maintain contact with the wall at all times. Operating the litter blade too close to the wall could result in excess pressure by the sliding blade against the wall. Pressure can be adjusted on the rear of the blade by changing the tension on the sliding blade spring. (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 litter blade after each use. Be sure to disconnect the hydraulic hoses when making any leveling adjustments.

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

Keep hands and feet away from moving parts.

DECALS



HK-100919
(Hyd. Kit option only)



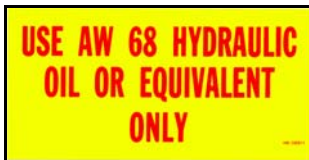
HK-100916



HK-100899



HK-100912
(Hyd. Kit Option only)



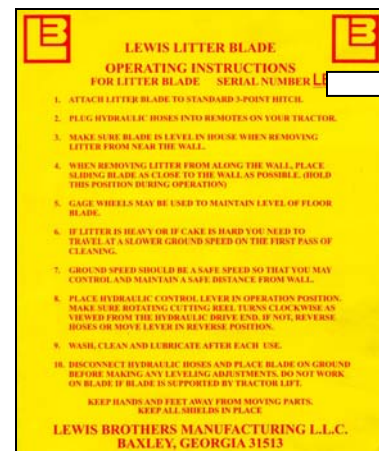
HK-100911
(Hyd. Kit Option only)



HK-100910
(Hyd. Kit Option only)

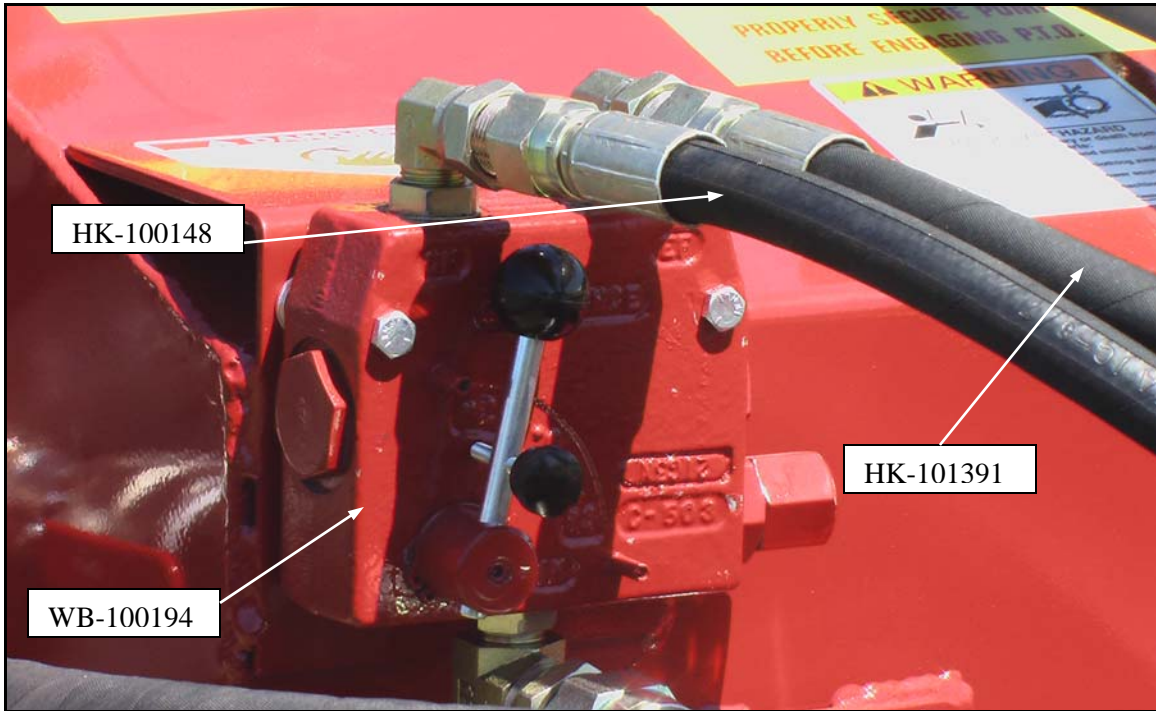


HK-100986

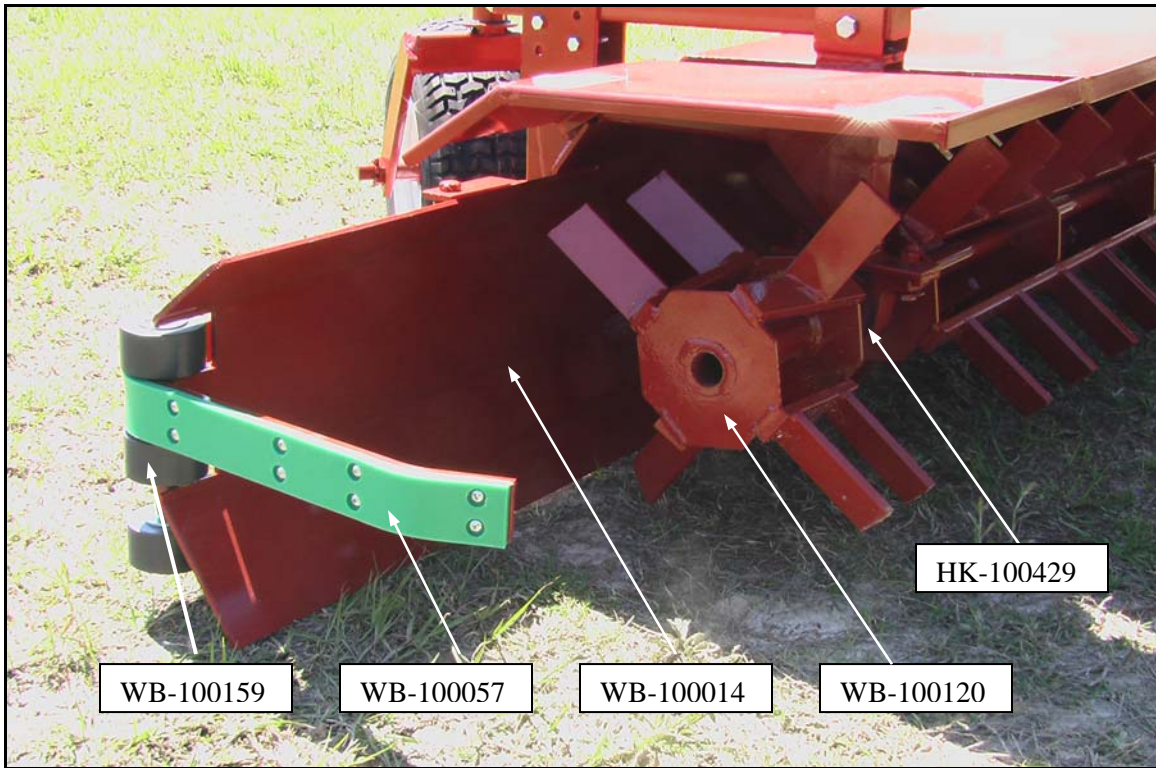


WB-100187

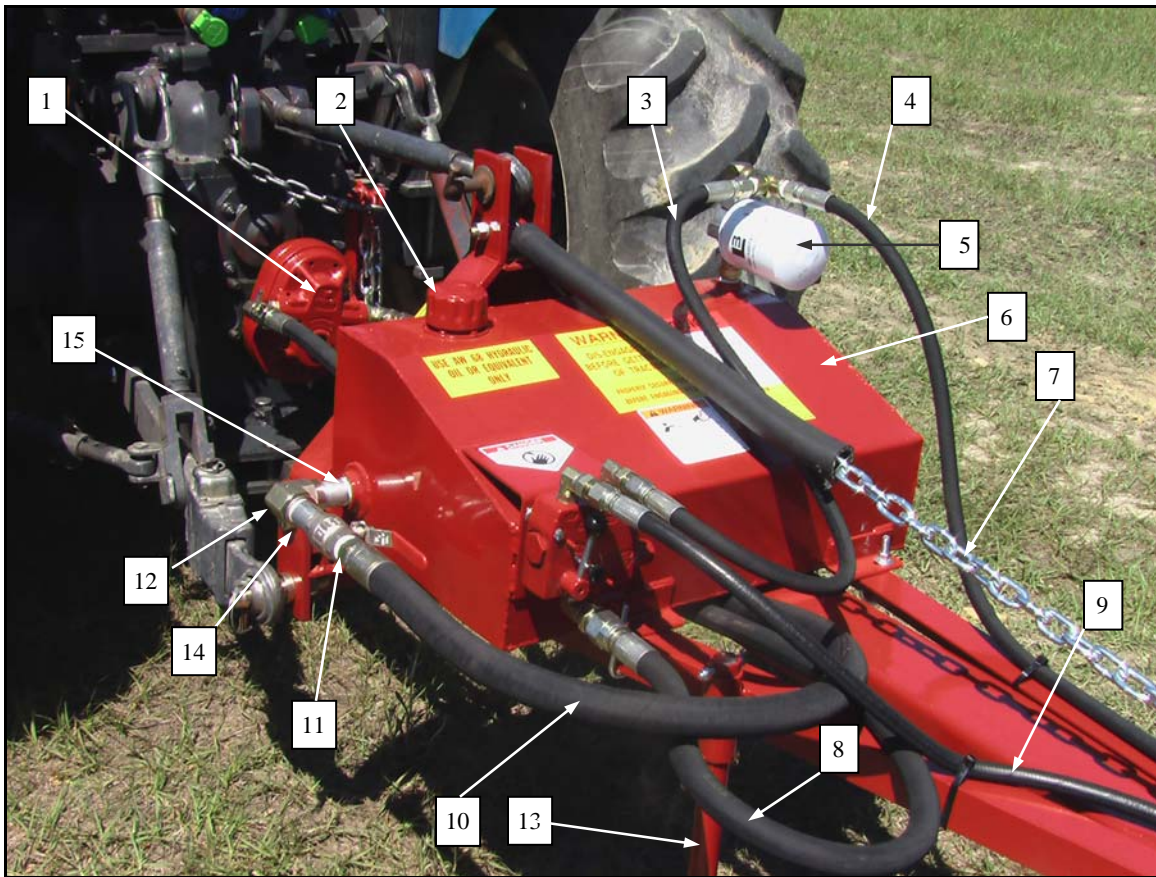
PARTS



Variable Speed Control Valve

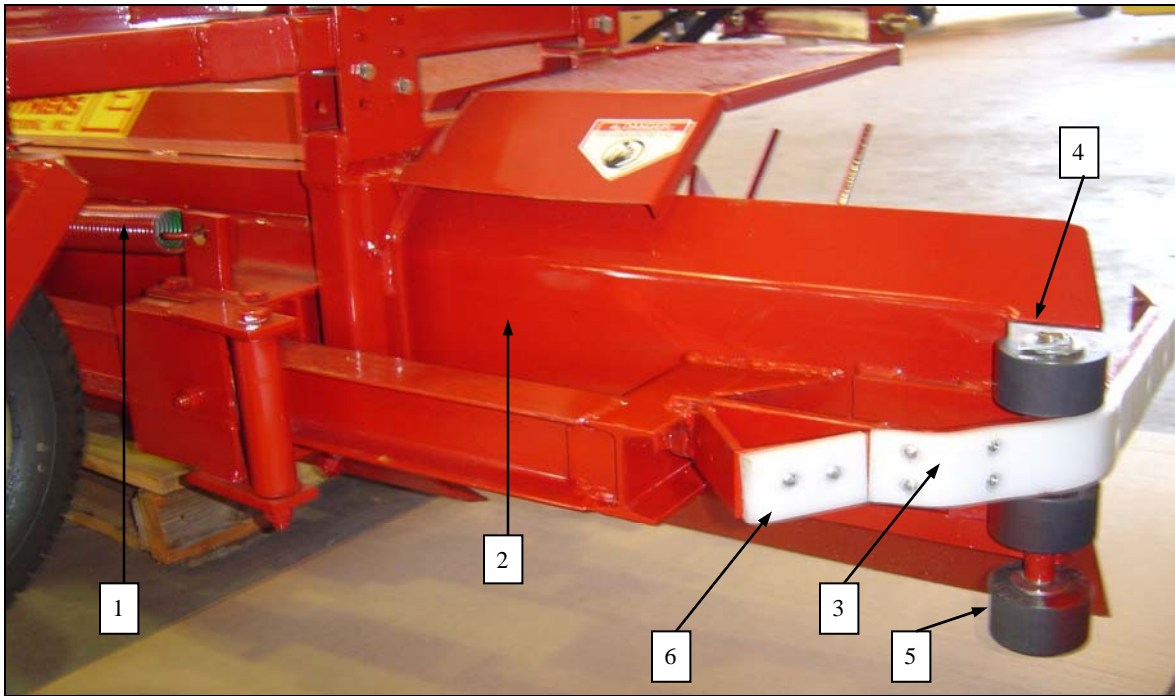


Jumper Blade and Cylinder Parts



Optional Hydraulic Tank Parts

Item #	Part #	Description
1	HK-100718	Pump
2	HK-100421	Cap Assembly
3	HK-101391	Hose, Flow Control Valve To Filter
4	HK-100148	Hose, Filter To Cyl. Mtr & Variable Speed To Hyd. Mtr
5	HK-100721	Filter
6	WB-100207	Tank
7	WB-100149	Chain (51 Links)
8	WB-100213	Hose, Pump To Flow Control Valve
9	HK-100148	Hose, Variable Speed To Hyd. Mtr & Filter To Cyl. Mtr
10	WB-100201	Hose, Suction
11	H109	Ball Valve
12	WB-100198	Elbow, 90° 1"FP x 1"FP
13	WB-100136	Stand
14	WB-100209	Nipple, 1"MP x 1"MP x 3"
15	WB-100199	Nipple, 1"MP x 1"MP x 2-1/2"
16	HK-101331	Pump / Torque Arm Kit (Not Shown)
17	HK-100422	Cap Only with Dipstick (Not Shown)



Item #	Part #	Description
1	WB-100050	Spring, Post Jumper Return
2	WB-100014	Post Jumper
3	WB-100057	Post Slide Bushing
4	WB-100154	Roller Axle
5	WB-100159	Post Slide Roller
6	WB-100218	Post Saver Bushing

Fittings

Item #	Part #	Description
1	HK-100962	45° Elbow 10ORB x 1/2FPX
2	HK-100970	90° Elbow 8ORB x 1/2FPX
3	6901-8-12	90° Elbow 8ORB x 3/4FPX
4	HK-100722	Nipple 3/4MP x 3/4 MP
5	WB-100210	90° Elbow 1/2MP x 3/4MP
6	WB-100198	90° Elbow 1"FP x 1"FP
7	HK-100971	90° Elbow 1/2MP x 8FPX
8	WB-100212	90° Elbow 8ORB x 3/4FPX
9	HK-100969	90° Elbow 12ORB x 3/4FPX
10	WB-100211	90° Elbow 16ORB x 1"FPX
11	WB-100199	Nipple 1"MP x 1"MP
12	WB-100209	Nipple 1"MP x 1" MP
13	HK-100976	Tee 1/2FP x 1/2FP x 1/2FP