

OPERATOR'S MANUAL

For BURLY ATTACHMENTS



CLD-BUSTER
Topsoil Screener

April 4, 2018

Clod-Buster™ Topsoil Screener LIMITED WARRANTY

Burly Attachments, LLC warrants to the original Purchaser, all products, manufactured by it, to be free from defects in both material and workmanship under normal use and service.

Burly Attachments, LLC obligation under this Warranty shall be limited to replacement or repair of any parts thereof, free of charge to the original Purchaser, at its place of business, provided, however, that the part(s) to be replaced or repaired, shall **within one (1) year*** after delivery to the original Purchaser, be demonstrated to be defective: which determination shall be made by Company.

*** If the machine is used for rental purposes, the warranty period is limited to six (6) months.**

The said components or parts must be returned through the selling dealer or distributor directly to the Company with all transportation charges prepaid.

Notice of defects shall be furnished in writing to the Seller and to the agent through whom the machinery was received, disclosing in full all known defects and failure in operation and use, and reasonable time shall be given to the Seller to remedy any such defects and failures.

Failure to make such trial or to give such notice shall be deemed an *absolute acceptance* by the Buyer and *satisfaction in full* of this Limited Warranty.

Under no circumstances does this warranty cover normal wear of any parts, components or material which, in the opinion of the Seller and the Company, have been subjected to neglect, misuse, alteration, accident, or if repaired, with parts other than those manufactured by and obtained from **Burly Attachments, LLC. This Warranty does not cover** components which are already covered by a separate Warranty provided by the supplier of said parts or components.

Burly Attachments, LLC's obligation under this Warranty is limited to repair or replacement, free of charge to the original Purchaser, of any part which in the judgement of the Company is defective.

THIS WARRANTY IS MADE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR USE AND PURPOSE AND OF ALL OTHER OBLIGATIONS OR LIABILITIES ON ITS PART AND ANY IMPLIED PERSON TO ASSUME FOR IT, ANY OTHER LIABILITY IN CONNECTION WITH A SALE OF THESE PRODUCTS.

THIS WARRANTY SHALL NOT APPLY TO THESE PRODUCTS OR TO ANY PART THEREOF WHICH HAS BEEN SUBJECT TO ACCIDENT, NEGLIGENCE, ALTERATION, ABUSE OR MISUSE.

- The Company makes no warranty whatsoever in respect to accessories or parts not supplied by the Company.
- The term "Original Purchaser", as used in this Warranty, shall be deemed to mean that person for whom the product is originally supplied.
- The Company, under this Warranty, cannot guarantee that existing conditions beyond its control will not affect its ability to obtain materials or manufacture necessary replacement parts.
- The Company reserves the right to make design changes or specifications at anytime, without any contingent obligation on its part to purchasers of machines and parts previously sold. No one is authorized to alter, modify or change the terms of this Warranty in any manner.
- The Company warrants the Construction of the equipment sold herein and will replace it at its expense for a period of one year* from the date hereof, any parts which prove defective as determined under the terms of this Limited Warranty.
- This Warranty shall apply only within the boundaries of the continental United States.

* Six months if equipment is used for rental purposes.

NOTE; Burly Attachments, LLC reserves the right to discontinue models at any time, change specifications and improve design without notice and without incurring obligation on goods previously purchased and discontinue supplying any part listed, when the demand does not warrant production.

SAFETY PRECAUTIONS

THE BEST OPERATOR IS A CAREFUL ONE!

By using common sense, observing general safety rules, and adhering to the precautions specific to the Clod-Buster, you, the operator, can promote safe equipment operation. Read and be sure you understand all precautions in this section before operating your topsoil screener. The machine must only be operated by properly trained and authorized operators.

SAFETY PRECAUTION DEFINITIONS

Dangers, Warnings, Cautions, and Notes are strategically placed throughout this manual to further emphasize the importance of personal safety, qualifications of operating personnel, and proper use of the Clod-Buster in its intended application. These precautions supplement and/or complement the safety information decals affixed to the unit and include headings that are defined as follows:

 **DANGER** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

 **WARNING** Indicates a potentially hazardous situation or practice which, if not avoided, could result in death or serious injury.

 **CAUTION** Indicates a potentially hazardous situation or practice which, if not avoided, will result in damage to equipment and/or minor injury.

NOTE: Indicates an operating procedure, practice, or portion thereof, which is essential to highlight.

THE CLOD-BUSTER

1. Read this manual carefully to become familiar with your Clod-Buster. Lack of operating knowledge can be dangerous and lead to accidents.

2. Keep all shields in place and properly tighten all hardware.

 **WARNING** — *Stay clear of rotating drive lines. Do not operate without shields in place and in good condition. Failure to heed these warnings can result in personal injury or death.*

3. Periodically inspect all parts for wear; replace with factory-authorized parts if excessive wear is present.

4. Keep safety decals clean and readable. Replace if missing, damaged, or illegible.

5. Do not modify, alter or permit anyone to modify or alter this equipment or any of its components without written approval from Burly Attachments, LLC.

OPERATING THE CLOD-BUSTER

1. Never allow anyone to ride on the attachment at any time.

2. Do not stand or allow others to stand near the attachment while it is operating.

SAFETY PRECAUTIONS

4. Never leave the Clod-Buster in raised position unattended.

5. Never wear loose clothing when operating the PTO, or when around other rotating equipment.

6. Never clean, adjust, or repair the mounted Clod-Buster with the loader running.

7. The operator must never get off the loader while it is in motion.

8. When operating the Clod-Buster, always shut off the engine before getting off the loader.

 **WARNING** — *Keep hands and feet from under Clod-Buster at all times. Make certain everyone is clear of the machine before operating.*

SAFETY DECALS

The safety decals appearing in Figure 1 below are a sampling of those affixed to the Clod-Buster. These examples are not meant to represent all decals, but to illustrate typical precautionary and informational signage relating to Clod-Buster operation and use.



IMPORTANT: It is the responsibility of the operator to locate, read, and adhere to all information provided on all decals affixed to the unit being operated.

BEFORE EACH USE

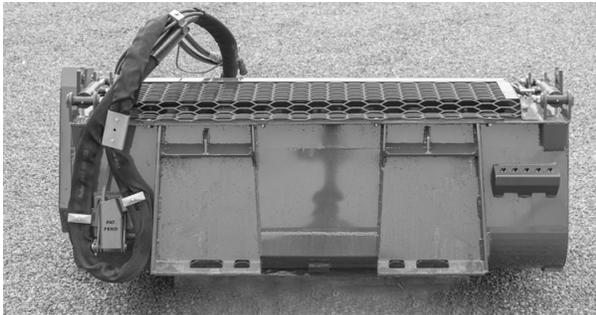
1. Check Clod-Buster daily for loose, bent, broken, or missing parts.
2. Observe Clod-Buster's general condition, noting points that may need attention.
3. Check rotor and roller to be sure no foreign objects such as wire or weeds are wrapped around them.
4. Make shields are in place and in good condition.
5. During operation, listen for abnormal sounds which might indicate loose parts, damaged bearings or other damage. Correct any problem immediately.

GENERAL SAFETY

⚠ WARNING — To prevent personal injury, make certain all loader and Clod-Buster safety shields are in place and secure before operating.

Before dismounting the loader, turn off engine, set parking brake and allow the Clod-Buster to come to a complete stop.

ATTACHING CLOD-BUSTER TO LOADER



1. Use the step, safety treads and grab handles to get on and off the loader.
2. Sitting in the operator's seat, lower seat bar (if so equipped) and fasten the seat belt.
3. Drive the loader slowly to the rear of the Clod-Buster attachment. Place the loader quick attach coupler into the Clod-Buster mounting bracket.
4. Tilt the loader coupler backward a small amount until it is fully engaged in the Clod-Buster mounting bracket. Stop the loader engine and engage the parking brake. Secure the coupler locking mechanisms that attach the Clod-Buster to the loader.

⚠ WARNING — Coupler wedges or pins must extend through the holes in the attachment.

⚠ WARNING — Levers must be fully down and locked. Failure to secure wedges or pins can allow the attachment to come off and cause injury or death.

5. Connect the hydraulic quick coupler hoses from the Clod-Buster to the loader. The Hose Caddy, that comes standard with every Clod-Buster, keeps your hydraulic hoses out of harm's way.

NOTE: Make sure the quick couplers are fully engaged. If the quick couplers do not fully engage, check to see that the couplers are the same size and brand. Do not force the quick couplers together.

If the quick couplers will not connect together due to thermal expansion of the fluid in the hoses, stop the engine and activate the auxiliary hydraulic control to relieve the pressure. (See the loader Operation and Maintenance Manual.)

6. Connect the Clod-Buster wire harness to the loader wire harness receptacle. Mounting is now complete and you are ready to work in topsoil. Use reverse order of above to disconnect the Clod-Buster from the loader.

IMPORTANT: Be sure your loader's hydraulic system matches the Clod-Buster system. Mismatched systems will cause poor performance. Exceeding the 20 GPM/3,000 PSI limit can damage the Clod-Buster.

OPERATION

1. Lubricate the machine as specified in this manual's Lubrication section. Before operation, check out the site carefully. Be sure to remove any metal. Start the loader according to its operator's manual. Throttle up to achieve working speed.



2. Before you attack the pile of dirt, make sure the Clod-Buster hood is latched in the raised position. Bucket pin points have been strategically arranged to let you utilize the skid steer's full power as the bucket easily digs into the pile - quickly filling the 3/4-yard scoop.

3. With the hood fully lowered as you approach the staging area, simply flip a switch and the hydraulic flow is diverted to the agitator. Raise your bucket and increase your dump angle gradually to feed the material into the rotating agitator. The Hardox steel agitator shreds the hard clods allowing only the fines to pass through the screener.



4. Once the screening is complete, you return the bucket to the roll-back position and reverse the agitator rotation to toss the rocks and debris to the back of your bucket. Then finally, raise the hood to the fully open position and discard the rocks and debris. You are now ready to screen the next load.



LUBRICATION

⚠ WARNING — *If Clod-Buster must be raised off the ground, block it securely.*

10 HOUR LUBRICATION INTERVAL

Lubricate 8 grease fittings after 10 hours of operation. Each side of the machine will have:

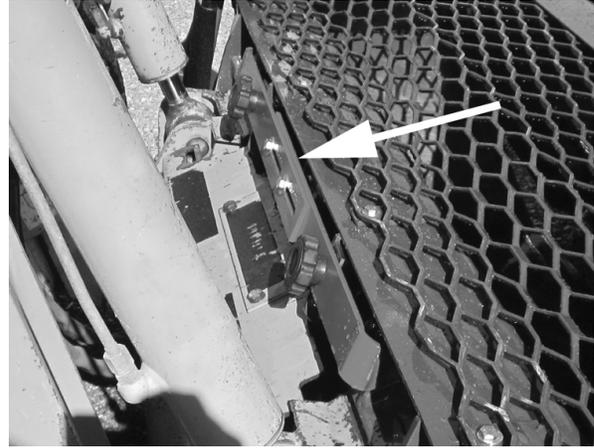
- * 1 grease fitting at each end of both cylinders
- * 1 grease fitting at each of the two pivot points
- 1 grease fitting on each side on the agitator bearing.

The agitator bearing that is located under the chain shield has been positioned as needed to give access to the grease fitting without removing the shield.

MAINTENANCE

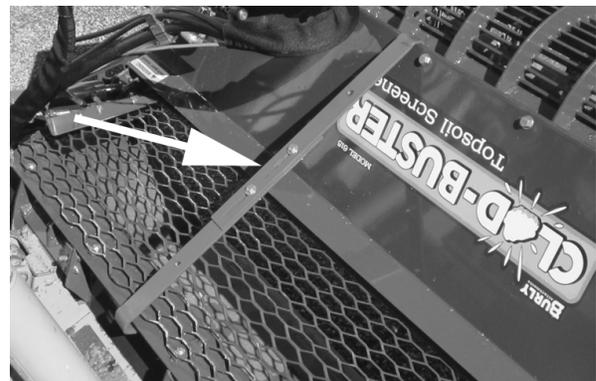
⚠ WARNING — *Before performing any maintenance under the unit's hood, block it in an open position with the red safety strap provided.*

Remove the strap from its storage position (below) by unscrewing the two black hand knobs holding it.



Red Safety Strap in Storage Position

Install the red safety strap at the back of the unit as shown below to hold the hood in an upright position to insure safety while working under it. NOTE: The two bolts in the middle of the strap are factory-adjusted. They are an extra safety precaution and should not need to be further adjusted.



Red Safety Strap in Holding Position

100 HOUR DRIVE CHAIN SERVICE INTERVAL

Remove the chain shield and check the tension of the hydraulic motor to agitator drive chain after 100 hours of operation. Remove excessive slack in chain as needed. Loosen the four bolts in the motor mount plate until the motor can travel freely in its adjustment slots. Slide the motor by hand in the direction needed to remove the slack in the chain. Re-tighten the bolts in the motor mount plate and reinstall the chain shield.

1,000 HOUR AGITATOR ADJUSTMENT INTERVAL

Check the clearance between the agitator and the screen after 1,000 hours of operation. The distance between the agitator and the screen should not be greater than ¼ inch. Begin making agitator adjustment with the unit slightly elevated by placing wood blocks under its front.

IMPORTANT: Never attempt making this adjustment while the unit is suspended or without properly support.

Remove the chain shield. Locate and remove the master link from the drive chain. The agitator should now be easily rotated by hand. On each side of the agitator, loosen the four bolts on the agitator bearing flanges that secure the bearings to the slotted holes in the bearing side plates.

The agitator can now be moved forward in the direction of the screen by lightly taping on the bearing flange with a hammer. Attempt to move both sides of the agitator forward in equal proportions. Continue moving the agitator forward until it almost touches the screen. If the agitator is moved forward too far so that it actually touches the screen, move it back and away until the agitator can be rotate freely without touching the screen.

Re-tighten the four bearing bolts on each side. Replace the master link in the chain. Refer to directions under the 100 HOUR DRIVE CHAIN SERVICE INTERVAL heading (above) to re-set the drive chain tension. Reinstall the chain shield.

AFTER EACH USE

1. Clean all debris from Clod-Buster, especially the rotor.
2. To prevent rusting, touch up any spots where paint may have worn off.
3. Store inside in a clean, dry place.

SERIAL #

DATE PURCHASED

NOTES:

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SPECIFICATIONS		
Overall Width -	82"	208.3 cm
Working Width -	6'	1.8 m
Height -	29"	73.6 cm
Length -	48"	122 cm
Rotor Diameter -	12"	30.5 cm
Weight -	1,240 Lbs.	562.5 kg
Hydraulics:		
Flow -	20 GPM	
Pressure -	3,000 psi	

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Burly Attachments, LLC
322 Linden Grove Road
Ephrata, PA 17522-8538
Tel 717• 208 • 4760

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