



# ***Gaterman Mfg. Co., Inc.***

***Saving Crops for over 100 Years***



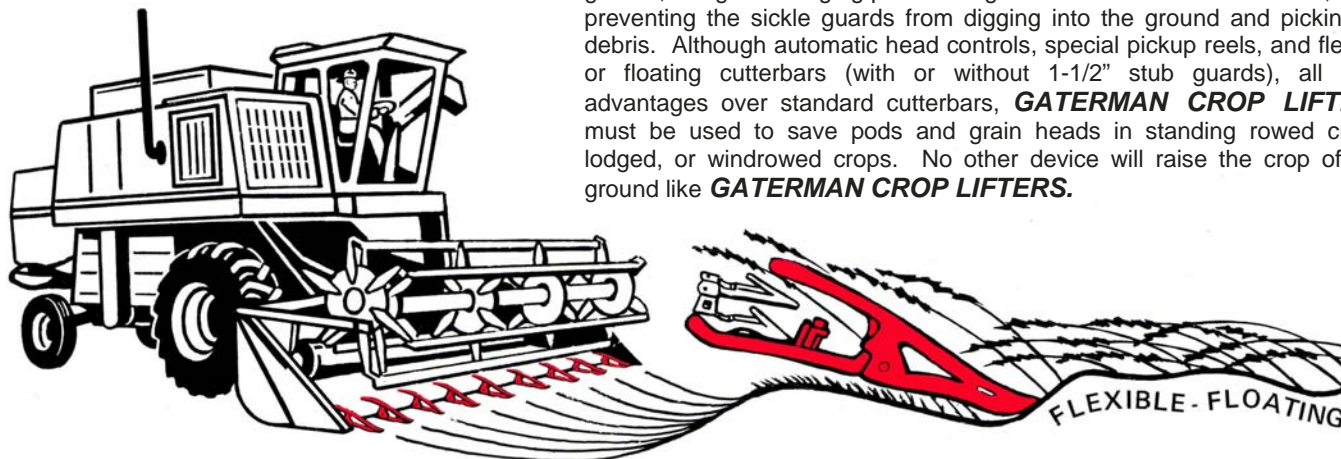
It's harvest time, but do your crops look like these?



## ***USE GATERMAN CROP LIFTERS TO REDUCE CROP LOSS!***

SAVE EXTRA BUSHEL OF GRAIN, SOYBEANS, MILO, PEAS, CANOLA AND OTHER SEED CROPS  
INCREASE HARVESTING SPEEDS

**FLEXIBLE - FLOATING CROP LIFTERS** follow the uneven ground, lifting low hanging pods and grain heads above the cutterbar, while preventing the sickle guards from digging into the ground and picking up debris. Although automatic head controls, special pickup reels, and flexible or floating cutterbars (with or without 1-1/2" stub guards), all have advantages over standard cutterbars, **GATERMAN CROP LIFTERS** must be used to save pods and grain heads in standing rowed crops, lodged, or windrowed crops. No other device will raise the crop off the ground like **GATERMAN CROP LIFTERS**.



### **APPLICATION GUIDE**

#### **FOR COMBINES WITHOUT HEADER CONTROL**

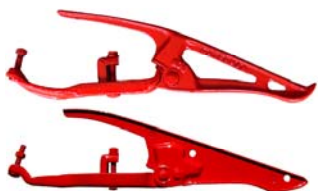
- Use No. 8A or 8B, 1A or 1B Crop Lifter.
- Use No. 4S Crop Lifter for machines with cutterbars equipped with 1-1/2" stub guards.
- Use No. 4H Crop Lifter for windrowers, floating cutterbars, and pea harvesters.
- Use No. 4B Crop Lifter for mowers, pea harvesters, and windrowers.

#### **FOR COMBINES WITH HEADER CONTROL**

- Use No. 8B or 2HC Crop Lifter for Case IH Flexible Bar, Gleaner, MF, MH, and White combines made after 1982, as well as all Roper Wright, M&W, Kelley, Noble, and Vesco header controls. However, if No. 8B, 1B Crop Lifter prevents cutterbar from standing lower, use No. 8A, 1A Crop Lifter for low cutting.
- Use No. 2HC Crop Lifter for Case IH, Gleaner, MF, NH, Noble, and White combines made prior to 1983.

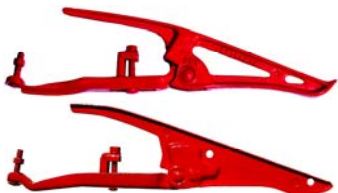
**GATERMAN CROP LIFTERS ARE WARRANTED AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP**

# Gaterman Crop Lifter Application Information



## 8A or 1A Gaterman Crop Lifters

These Crop Lifters are used on combines having sickle guards that tilt downward, such as Allis Chalmers, Ford Claas 622, Case III, Massey Ferguson, and New Idea flexible cutterbar. The 8A Crop Lifters are constructed of malleable cast iron, while the 1A Crop Lifters are constructed of die-formed sheet steel.



## 8B or 1B Gaterman Crop Lifters

These Crop Lifters are used on all windrowers, combines, floating and flexible cutterbars having sickle guards that stand level, such as Case, Cockshut, Deere, Ford Claas (except Model 622), Gleaner, Hiniker, Hart Carter, Case IH 820-830 flexible bars, Lovebar, New Holland, New Idea (except Model 717 flexible bar), Oliver, Versatile, White, and Year-A-Round. The 8B Crop Lifters are constructed of malleable cast iron, while 1B Crop Lifters are constructed of die-formed sheet steel.

Used on combines with automatic header controls such as IH Flexible Bar, Gleaner, Massey Ferguson, New Holland, and White combines made after 1982, Roper Wright, M&W, Kelley, Noble, and Vesco header controls.



## 4B Gaterman Crop Lifters

This Crop Lifter is lower in overall height than the 4H crop lifter and can be used in lodged crops on windrowers, pea harvesters, forage harvesters, and mowers.



## 4S Gaterman Crop Lifters

This Crop Lifter is designed to fit combine floating cutterbars equipped with 1-1/2" cut stub guards such as Herschel Tiger Jaws, Case IH, Love, Kingkut, New Holland, White Kwik Cut, CFC, and others. Use this sturdy, field tested malleable iron Crop Lifter to reduce harvesting loss of soybeans, rice, grain, and other seed crops. It is equipped with a set screw height adjustment, non-clogging spring action joint, and is double-bolted to the cutterbar.



## 4H Gaterman Crop Lifters

This Crop Lifter fits all windrowers and Love pea harvesters, as well as Hart Carter, Hiniker, Lovebar, and Year-A-Round floating cutterbars used on combines. Use this sturdy malleable iron Crop Lifter to reduce harvesting loss of green peas, soybeans, hay grain, and other crops. It is equipped with a set screw height adjustment and non-clogging spring action joint.



## 2HC Gaterman Crop Lifters

This Crop Lifter fits all combines and windrowers and is needed for use on New Idea 717 Uni-combine. Its heavy duty malleable iron construction, double-bolting to the cutterbar, instant height adjustment, and spring loaded pivot make this guard ideal for all usage. **Contact Factory for special installation instructions.**

## RECOMMENDED CROP LIFTER SPACING

**Down Grain, Peas** - Space Crop Lifters 6" to 9" apart.

**Swath or Windrow** - Space Crop Lifters 6" apart.

**Rowed Beans and Milo** - Space Crop Lifters 6" to 9" on each side of row. Closer spacing will reduce loss by raising crop uniformly.

**Gaterman Crop Lifter Parts List** Contact your local distributor, call us, or order online at [www.gaterman.com](http://www.gaterman.com)

Part Number	Point Assembly	Arm Assembly	Point Rebuild Kit	Arm Rebuild Kit
1A	ASSY-1	ASSY-1A	RK-8	RK-8A/8B
1B	ASSY-1	ASSY-1B	RK-8	RK-8A/8B
8A	ASSY-8	ASSY-8A	RK-8	RK-8A/8B
8B	ASSY-8	ASSY-8B	RK-8	RK-8A/8B
4B	ASSY-4F	ASSY-4B	RK-4F	RK-4B
4H	ASSY-4H	ASSY-4W	RK-4H	RK-4W
4S	ASSY-4H	ASSY-4S	RK-4H	RK-4S
2HC	ASSY-2	ASSY-2HC	RK-2	RK-2HC

**Gaterman Mfg. Co., Inc.**

836 South 15th St.

P.O. Box 577

Manitowoc, WI 54220

Phone: 920.682.6108

Fax: 920.682.6109

Assemblies consist of the casting/stamping, fasteners, spring, and adjustment block/set screw where required.

Rebuild kits consist of fasteners, spring, and adjustment block/set screw where required.

# ! SAFETY PRECAUTIONS !

Place all controls in neutral, stop the engine, set the parking brake, and remove the key from the ignition.

Support the cutterbar head with blocks or safety stands when working beneath it.

## General Instructions

### Recommended Crop Lifter Spacing

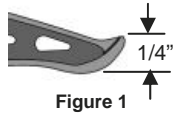
**Grain, Peas, Etc.** - Space 6" or 9" apart.

**Swath/Windrowed Pickup** - Space 6" apart.

**Rowed Beans** - Mount two Crop Lifters spaced 6" apart on each side of row. (Example: A 12 ft. machine cutting 3 rows requires 12 Crop Lifters.) This close spacing will reduce crop loss by raising crop uniformly.

### Crop Lifter Operating Height

After attaching Crop Lifters, lower cutterbar until front tip just contacts level ground. Continue to lower cutterbar until Crop Lifter tip is 1/4" above the ground. See [Figure 1](#).



For use on uneven land, the tip should be lowered an additional 3/4" for clean pickup. Be sure with this setting, the tip still has minimum of one inch of travel remaining.

Excessive cutterbar weight on Crop Lifters causes clogging and restricts vertical floating motion of the Lifters. Adjust header control or spring tension to allow cutterbar to float.

**For Crop Lifter height adjustment procedures, refer to the section in this literature relating to each particular Crop Lifter part number. Please review [Table 1](#) for recommended bolt torque specifications.**

### Table 1 - Bolt Torque Specifications

Thread	Torque (ft. lbs.)
1/4 - 20	6
5/16 - 18	12
3/8 - 16	20
3/8 - 24	22
7/16 - 14	32

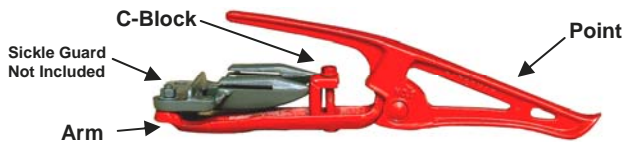
Specifications are for dry torque readings per SAE J429.

All debris and foreign matter must be removed from threads to obtain proper readings.

Torque wrench must be periodically calibrated for maximum accuracy.

## Installation Instructions

### Part Number 8A,1A or 8B,1B Crop Lifters



#### Combines Requiring 8A,1A Crop Lifters

Allis Chalmers, Ford Claas Model 622, International Harvester, Massey Ferguson, and New Idea Flexible Bar.

#### Combines Requiring 8B,1B Crop Lifters

All windrowers, combines, floating and flexible cutterbars that stand level such as Case, Cockshutt, Deere, Ford Claas (except Model 622), Gleaner, Hiniker, Hart Carter, IH820-830 Flexible Bars, Lovebar, New Holland, New Idea (except Model 717 and Flexible Bar), Oliver, Versatile, White, and Year-A-Round.

Combines with automatic header controls such as IH Flexible Bar, Gleaner, Massey Ferguson, New Holland, and White combines made after 1982, Roper Wright, M&W, Kelley, Noble, and Vesco header controls.

#### Six-Way Adjustment C-Block

There are six lifter height adjustments, three with EVEN numbers and by turning upside down, three with ODD numbers. Insert point of sickle guard in numbered holes to adjust height.



### Mounting/Height Adjustment - 8A,1A or 8B,1B

Raise cutterbar to allow access. Remove mounting bolt on ONE sickle guard where lifter is to be attached. For first trial, place point of sickle guard in hole #2 of C-block. Attach lifter arm mounting bolt through sickle guard and partially tighten. If point of sickle guard is not firmly engaged in C-block, loosen C-block mounting bolt, slide C-block to firmly engage sickle guard point, and tighten all bolts. Refer to torque specifications in [Table 1](#). **If sickle guards have very narrow or large flanges or countersunk bolt holes, add washers between the Crop lifter arm and sickle guard for solid bolting. If sickle guard point will not fit into holes of C-block, drill holes in C-block to fit.**

On level ground, lower cutterbar until lifter engages the ground. Check to see if tip of lifter point is 1/4" above the ground to prevent digging in. See [Figure 1](#).

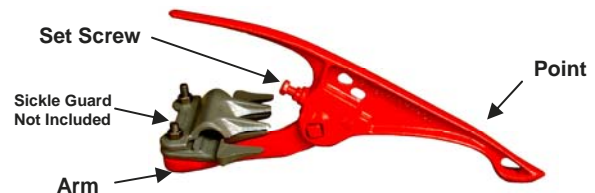
If not, loosen lifter and C-block bolts, and try the other five hole combinations until the desired geometry is achieved.

If more adjustment is needed, change to 8A,1A Crop Lifter for lower cutting or 8B,1B Crop Lifter for higher cutting.

Raise cutterbar and mount the remaining lifters using proper spacing and the same C-block setting. Torque all bolts based upon [Table 1](#).

**For use on uneven land, the tip should be lowered an additional 3/4" for clean pickup. Be sure with this setting, the tip still has minimum of one inch of travel remaining.**

### Part Number 4S Crop Lifter



#### For Cutterbars with 1-1/2" Stub Guards

Raise cutterbar to allow access. Attach arm of ONE Crop Lifter to stub guards by removing existing stub guard mounting bolts and substituting included arm fasteners. Use longer attaching bolts (7/16" x 2-1/2" or packaged 3/8" x 2-1/2" Special Carriage) at sickle hold down clip locations and shorter bolts between clips. Nuts should be placed on top of cutterbar and long bolts extending through nut should be trimmed flush. Tighten arm fasteners, referring to torque specifications in [Table 1](#). If a reel is used, check to see that tines do not strike the Crop Lifters. Loosen set screw and lock nut completely.

On level ground, lower cutterbar until lifter engages the ground. Check to see if tip of lifter point is 1/4" above the ground to prevent digging in. See [Figure 1](#). Lower cutterbar until it does. Tighten set screw and lock nut to secure the adjustment. Mount and adjust remaining crop lifters using recommended spacing. Torque all bolts.

**For use on uneven land, the tip should be lowered an additional 3/4" for clean pickup. Be sure with this setting, the tip still has minimum of one inch of travel remaining.**

**See back of this page for additional applications.**

## Part Number 4H Crop Lifter



**For Windrowers, Pea Harvesters, Floating Cutterbars.**

Raise cutterbar to allow access. Attach arm of ONE Crop Lifter to sickle guard by removing existing sickle guard mounting bolt and substituting included arm fastener. Be sure to seat point of sickle guard firmly in pocket on arm. Tighten arm fastener, referring to torque specifications in **Table 1**. Any excess bolt extending above nut should be trimmed flush. If a reel is used, check to see the tines do not strike the Crop Lifters. Loosen set screw completely. On level ground, lower cutterbar until lifter engages the ground. Check to see if tip of lifter point is 1/4" above the ground to prevent digging in. See **Figure 1**. Lower cutterbar until it does. Tighten set screw and lock nut to secure the adjustment. Mount and adjust remaining crop lifters using recommended spacing.

## Part Number 4B Crop Lifter



**For Mowers, Forage/Pea Harvesters and Windrowers.**

Raise cutterbar to allow access. Attach arm of all Crop Lifters to sickle guard by removing existing sickle guard mounting bolt and substituting included arm fastener. Be sure to seat point of sickle guard firmly in pocket on arm. Tighten arm fastener, referring to torque specifications in **Table 1**. Any excess bolt extending above nut should be trimmed flush. If a reel is used, check to see the tines do not strike the Crop Lifters. Lower cutterbar until front tip touches the ground. Check to see if tip of lifter point is 1/4" above the ground to prevent digging in. See **Figure 1**.

**For use of 4H or 4B on uneven land, the tip should be lowered an additional 3/4" for clean pickup. Be sure with this setting, the tip still has minimum of one inch of travel remaining.**

## ***Gaterman Mfg. Co., Inc.***

836 South 15th St. P.O. Box 577

Manitowoc, WI 54220

Phone: 920.682.6108

Fax: 920.682.6109

[www.gaterman.com](http://www.gaterman.com)

[info@gaterman.com](mailto:info@gaterman.com)

For More Information Contact Your Local  
Distributor, Call Us, or Visit our Website  
at [www.gaterman.com](http://www.gaterman.com)



**GATERMAN CROP LIFTERS ARE  
WARRANTED AGAINST DEFECTS IN  
MATERIALS AND WORKMANSHIP**

***Excellence in Customer Satisfaction***  
***A Family Owned Business for Over 100 Years***

***Gaterman Mfg. Co., Inc.***  
836 South 15th St. P.O. Box 577  
Manitowoc, WI 54220