

# Gaterman Crop Lifters Harvesting Attachments

DIVISION OF GATERMAN MFG. CO., INC.

## 8A CROP LIFTER INSTRUCTIONS

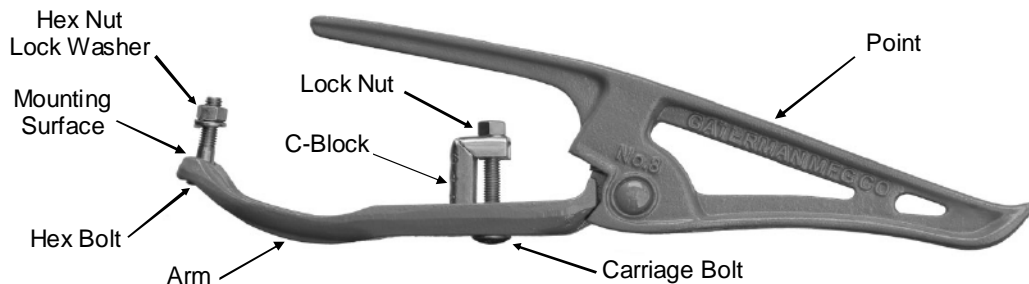
### In the Box:

#### Part Number

ASSY-8A  
CBK-8B  
CB838212  
HB838134  
HN838  
LN838  
LW838  
FW838  
IS-8A

#### Description

8A Assembly  
C-Block - 8A/8B  
Carriage Bolt - 3/8-16, 2-1/2 Long, Grade 8  
Hex Bolt - 3/8-16, 1-3/4 Long, Grade 8  
Hex Nut - 3/8-16, Grade 8  
Lock Nut - 3/8-16, Grade 8, Dimpled Flats  
Lock Washer - 3/8, Grade 8  
Flat Washers- 3/8, Grade 8, SAE(3)  
Instruction Sheet - 8A

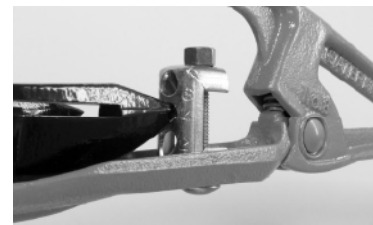
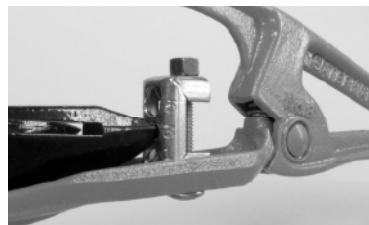


### **Overview**

The 8A is meant for applications in which the sickle guards tilt downward. It features spring loaded action, a compact mounting design, and a height adjustment block (C-block) which accommodates a variety of platforms. The C-block adjusts for different length and shape sickle guards, while maintaining a solid mounting.

The C-block has three holes for the tip of the sickle guard, and achieves 6 different adjustment heights, depending on the orientation of the block on the arm. The height adjustments are referenced by the numbers (1- 6) stamped into the block. See below.

### **C-Block Mounting Pictures**



### **Safety Precautions**

1. Take all reasonable safety precautions when installing the crop lifters. This includes, but is not limited to, placing controls in neutral, stopping the engine, setting the parking brake, and switching off the ignition key. In addition, support the cutterbar head with blocks or safety stands when working beneath it.
2. When engaging the sickle guard in the holes of the C-block, be sure the tip of the sickle guard does not contact the C-block carriage bolt. This will prevent a solid mounting.
3. Be sure to use the supplied lock washer on the hex mounting bolt. The C-block uses the lock nut.
4. Torque the C-block carriage bolt/lock nut to 10-12 ft. lbs. and the hex mounting bolt/nut to 33 ft. lbs.

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## Adjustment Procedure

In general, the appropriate hole in the C-block should be chosen to both achieve a solid engagement of the tip of the sickle guard, and the desired height for the tip of the crop lifter that rides on the ground and lifts the crops. Since the downward tilt of the sickle guards can vary by application, the choice of hole position is a matter of trying different adjustments and checking the ground contact. The over-riding consideration is that the tip will not dig in nor run out of travel during the harvesting process.

## Mounting Procedure

1. Loosely mount C-block on arm using carriage bolt and lock nut, with hole #5 at the top.
2. Ensure there are no obstructions under/behind sickle guard which may interfere with crop lifter mounting.
3. Remove bolt from sickle guard where crop lifter is to be mounted.
4. With supplied hex bolt inserted in crop lifter arm, loosely bolt arm to underside of sickle guard.
5. Engage C-block with sickle guard point as follows and snug up both bolts:
  - Blunt point sickle guard - use hole #5, then switch to #3 or #4 if not level on #5.
  - Narrow point sickle guard—use hole #1, #3, #4, or #6, whichever is level.
  - **Note:** Lock nut is used on C-block carriage bolt.
6. If the desired crop lifter fitment cannot be achieved, place combinations of 3/8" flat washers (included) between mounting surface of arm and underside of sickle guard and repeat the mounting procedure.
7. Once proper hole is chosen, loosen C-block carriage bolt and slide C-block firmly onto sickle guard tip and partially tighten C-block carriage bolt.
8. Partially tighten hex mounting bolt.
9. Alternately tighten C-block carriage bolt and hex mounting bolt. With each tightening, insure firm mounting by flexing the arm to check for clearance. If clearance is noted, repeat procedure until firmly mounted.
10. Torque the C-block carriage bolt/lock nut to 10-12 ft. lbs. and the hex mounting bolt/nut to 33 ft. lbs.

## Crop Lifter Spacing

Sickle guard and cutterbar geometries can limit the available crop lifter spacing options. The following are starting recommendations that can be altered as the application requires.

<b>Down Grain/Peas</b>	<b>Space crop lifters 6" - 9" apart</b>
<b>Swath or Windrow</b>	<b>Space crop lifters 6" apart</b>
<b>Rowed Beans and Milo</b>	<b>Space crop lifters 6" - 9" on each side of row. Close spacing will reduce crop loss by raising crop uniformly.</b>

## Crop Lifter Operating Height

After firmly attaching the crop lifters, lower the cutterbar until the bottom of the front tip of the crop lifter just contacts the ground on a level area. Continue to lower the cutterbar until the top of the crop lifter tip is about 1/4" above the ground. This is the proper height setting for fields with level ground. Any less may result in the tip digging into the ground.

For use on fields with uneven ground, lower the cutterbar an additional 3/4" to insure tip-to-ground contact in the low areas. Be sure the crop lifter tip still has minimum of one inch of travel remaining with this setting.

