

Gaterman Crop Lifters Harvesting Attachments

DIVISION OF GATERMAN MFG. CO., INC.

8B CROP LIFTER INSTRUCTIONS

In the Box:

Part Number

ASSY-8B

CBK-8B

CB838212

HB838134

HN838

LN838

LW838

FW838

IS-8B

Description

8B 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

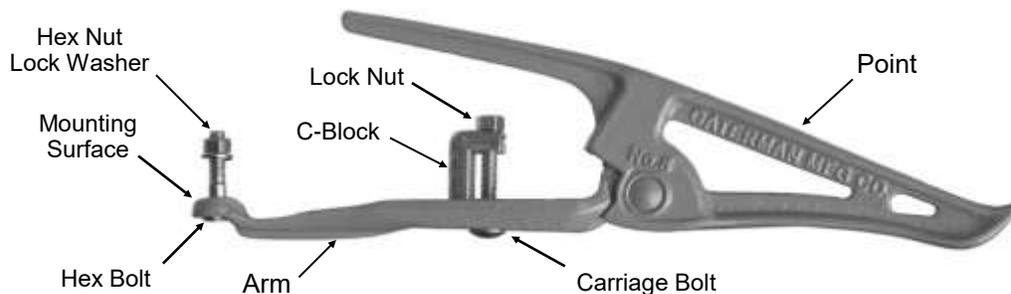
Hex Nut - 3/8-16, Grade 8

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 - 8B



Overview

The 8B is our most versatile and universal fit crop lifter. It features spring loaded action, a compact mounting design, and a height adjustment block (C-block) which accommodates a variety of platforms and sickle guards. 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 pictures below.

C-Block Mounting Pictures



Note: **INST-8BF** installation kit is required for use with John Deere series 600F and 600FD platforms.

INST-8BS installation kit is required for use on Schumacher Easy Cut II with 132mm and 147mm sickle guards.

SPK-CNH spacer kit is required for use on some Mac-Don 973, D50, D60, D65, FD70, FD75, CA25, FD1, D1, FM100, Case IH 2152, 2052, 2142, 2162, 2062, and New Holland 82C, 83C, 84C, 86C platforms equipped with poly wear plate (CNH# 87532221).

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.

Gaterman Mfg. Co., Inc.
836 South 15th Street
Manitowoc, WI 54220
www.gaterman.com

Phone: (920) 682-6108
Fax: (920) 682-6109
Email: joel@gaterman.com

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. A good starting point is to have the bottom of the arm approximately level (parallel to the cutting surface of the sickle guard).

See image below.



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:
 - **Note:** Lock nut is used on C-block carriage bolt.
 - Begin with sickle guard tip mounted in hole number 4. Check to see if sickle guard cutting surface is parallel to C-block mounting surface. Change holes and/or flip C-block if necessary to achieve level condition between sickle guard cutting surface and C-block mounting surface.
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.

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

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.