

# Gaterman Crop Lifters Harvesting Attachments

DIVISION OF GATERMAN MFG. CO., INC.

## 4S CROP LIFTER INSTRUCTIONS

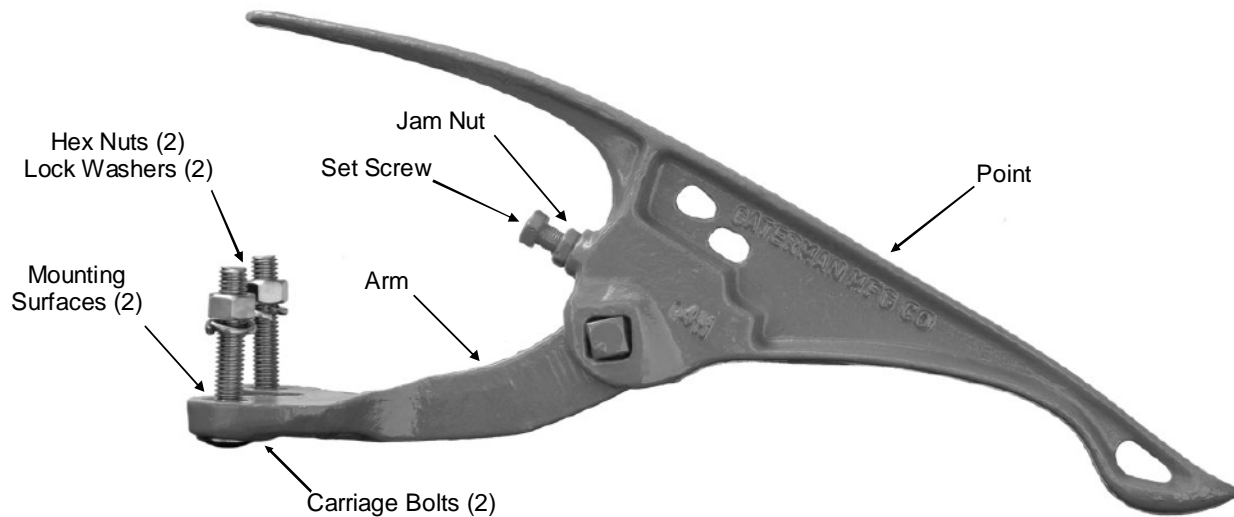
### In the Box:

#### Part Number

ASSY- 4S  
CB5716212  
CB538212716C  
HN8716  
HN838  
LW8716  
LW838  
IS-4S

#### Description

4S Assembly  
Carriage Bolt - 7/16-14, 2-1/2" Long, Grade 5 (2)  
Carriage Bolt - 3/8-16, 2 1/2" Long, Special, 7/16 Head, Grade 5 (2)  
Hex Nut - 7/16-14, Grade 8 (2)  
Hex Nut - 3/8-16, Grade 8 (2)  
Lock Washer - 7/16, Grade 8 (2)  
Lock Washer - 3/8, Grade 8 (2)  
Instruction Sheet - 4S



### **Overview**

The 4S is a rugged, fully adjustable crop lifter used on combine floating cutterbars equipped with 1-1/2" cut stub guards similar to image on the right. It features spring loaded action and infinite height adjustment by means of a locking hex head set screw. It is double bolted to the cutterbar using the 3/8" and 7/16" carriage mounting bolts included for use with various platform applications.



### **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 receiver pocket, be sure the tip of the sickle guard does not contact the inside of the casting. This will prevent complete seating of the sickle guard and solid mounting.
3. Be sure to use the appropriate supplied lock washer with the carriage mounting bolt.
4. Torque the 3/8" carriage bolt to 23 ft. lbs and the 7/16" carriage bolt to 37 ft. lbs.
5. After adjusting the set screw for proper tip height, be sure to tighten hex jam nut at least 1/8 turn.

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## Mounting Procedure

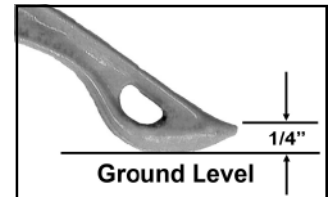
Since there is no adjustability in the mounting of the crop lifter to the sickle guard, all the height adjustment must be accomplished by adjusting the set screw. However, there are some considerations during the process of fastening the crop lifter arm to the sickle guard as follows:

1. Be sure there are no obstructions under the cutterbar which will interfere with the seating of the mounting surface on the underside of the sickle guard. These include but are not limited to skid plates. If there is a slight interference, the arm of the crop lifter can be relieved with a grinder. The mounting surface on the underside of the sickle guard must be essentially flat. While shims can be used, care must be taken to ensure that the sickle guard/crop lifter are mounted solidly to the cutterbar.
2. Bolt the arm to the cutterbar using longer attaching bolts (7/16" x 2-1/2" or 3/8" x 2-1/2", 7/16" carriage) at sickle hold down clip locations and existing shorter bolts between clips. Nuts should be placed on top of cutterbar. Use the larger diameter of the two long carriage bolts that will fit both the sickle guard and hold down clip mounting holes.
3. Both 3/8" and 7/16" carriage mounting bolts are included.
4. Be sure to use the appropriate supplied lock washers.
5. Torque the 3/8" bolts to 23 ft. lbs. or the 7/16" bolts to 37 ft. lbs.

## Adjustment Procedure/Operating Height

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. Lower cutterbar until it does. Tighten set screw and hex jam nut to secure the adjustment. 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 ensure 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.



## 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.**