

IMPORTANT SAFETY INFORMATION

Read these instructions before installing and using the crop lifters. Never alter this equipment without express approval of Flexifinger®. Doing so could cause an injury hazard or damage to your equipment and will void your warranty. If you encounter any problems installing or using your crop lifters, contact Flexifinger® at 1-306-642-4555 for assistance.


This manual uses the following signal words to identify important safety information:

WARNING: Indicates a hazardous situation that, if not avoided, could result in serious injury or death.

CAUTION: Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

NOTICE: Indicates information considered important, but not hazard-related (e.g. messages relating to property damage).

IMPORTANT SAFETY INFORMATION

-  **WARNING:** Wear the proper safety equipment (gloves, protective eyewear) when installing and removing the crop lifters from the header. The components may become sharp due to wear from plant material. Exercise caution around pinch points. Ensure there is adequate clearance for the knife system after installing each lifter. Not having proper clearance between the lifter and the knife system may result in equipment damage and/or injury.

INSTALLATION AND USE TIPS

- NOTICE:** If the combine operator experiences any difficulty during installation due to a rock guard system on the header, please contact the Flexifinger Sales & Support Team for additional instruction.
- NOTICE:** Never install a bolt or set screw in the hole at the top of the lifter rail to create a snug fit on the guard. The lifter must remain free to move and to free-float about ¼" (6mm) to ½" (13mm) up, down and side-to-side. The use of a set screw in the hole in the top of the lifter rail may result in damage to the lifter, knife system or equipment.
- NOTICE:** Use extreme caution when traveling over irrigation ruts, sprayer and tractor ruts, large cracks in the ground and other uneven ground conditions. Digging the lifters into the ground can cause severe damage to your equipment as well as your lifters.

Assembly Instructions

Each Flexifinger® crop lifter comes with a Quick Detach (QD™) nut assembly. This includes 1 QD™ nut, 1 M10 hex head cap screw, 8 large flat washers (USS) and 4 small flat washers (SAE) for spacing. Using the hex head cap screw makes the assembly universal, for most types of cutter bars. If you wish to purchase extra QD™ Nut Assemblies, the part number is 32256-50.

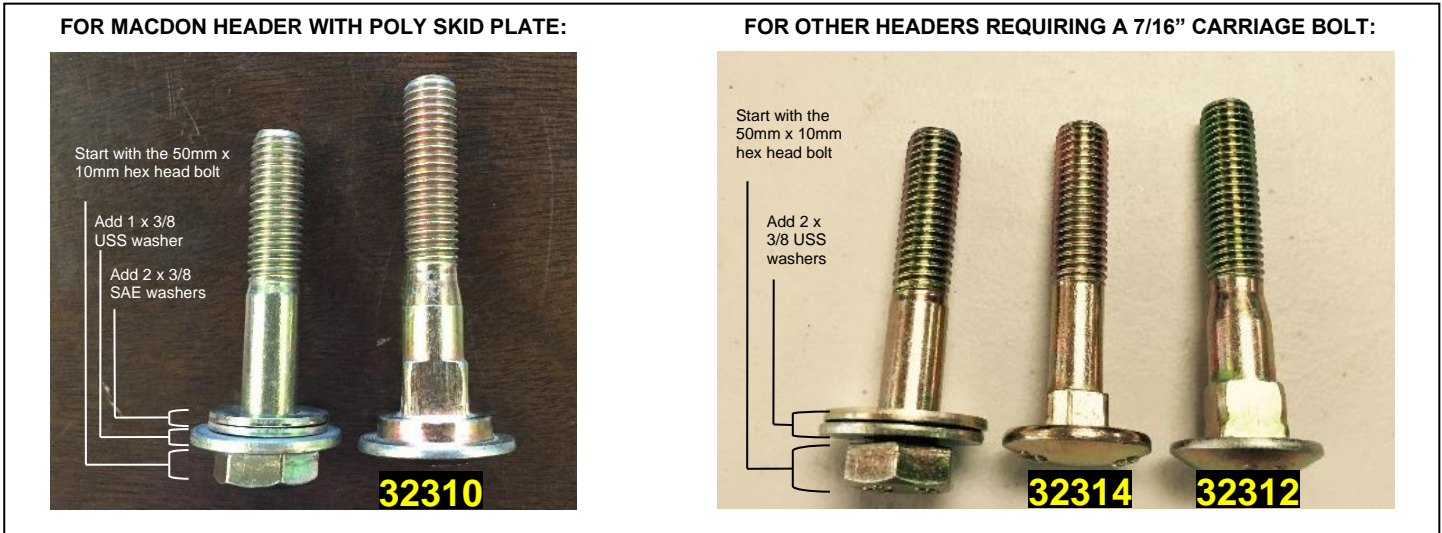


NOTE: Custom carriage bolts are available for headers that use them under the knife guard.

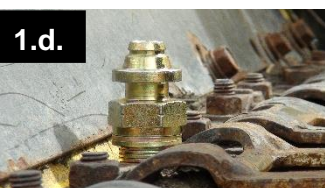
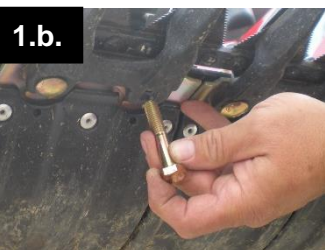
Flexifinger® Part Number

7/16" carriage bolt for use with Poly Skid plates under the knife guard	32310
7/16" carriage bolt	32312
10mm carriage bolt	32314

It is possible to mimic these carriage bolts by using some washers on the head of the hex bolt provided. However, the bolt head may catch plant material and rocks under the header, and may wear smooth over time, making it difficult to remove.



1. Install the QD™ Nut assembly on the header.



a. Starting 6" (15cm) from the right side of the header and every 12" (30cm) across the header, remove the guard nut and bolt from the guards.

b. Insert the provided M10 hex head bolt from the bottom of the header, or the correct Flexifinger® carriage bolt, if purchased. If a carriage bolt is needed but not on hand, use the configuration pictured above to mimic a carriage bolt.

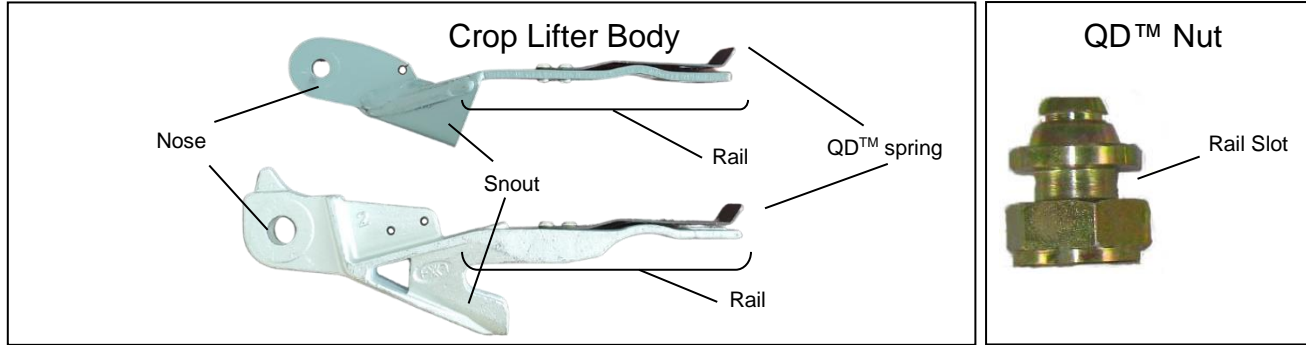
c. Place washers of the appropriate size and numbers onto the protruding bolt.

Case IH, MacDon, New Holland	4-8 USS
John Deere	1-4 USS on top of cast knife hold-down
Schumacher guard	4 SAE

Note: See step 2.a. for method of determining number of washers needed.

d. Thread the QD™ nut onto the bolt.

2. Install one lifter on the header.



- a. Install one crop lifter. Slide the lifter snout over the guard with the rail spring side up. Push the lifter rail all the way into the rail slot on the QD™ nut. The black spring will slide up and over the QD™ nut and then snap down evenly into place. Check to ensure there is adequate clearance from the knife (no contact with it when moved fully side to side, and up and down). Push up on the lifter so the bottom of the guard touches the bottom inside of the snout. If the rail is not parallel to the guard, add or remove washers until it is.



Note: All Flexifinger® lifters must free-float about 1/4"(6mm) to 1/2"(13mm) up, down, and side-to-side. Never install a bolt or set screw in the hole at the top of the lifter rail to create a snug fit on the guard. The use of a set screw in the hole in the top of the lifter rail may result in damage to the lifter, knife system or equipment.

- b. Install the remaining QD™ nuts on the rest of the header using the first-installed QD™ nut as a guide. When installing over a knife hold-down, reduce the number of washers equal to the thickness of the knife hold-down. This will keep all QD™ nuts at the same height.

3. Install the remaining lifters on the header.



- a. Check that each lifter has adequate clearance from the knife (no contact with it when moved fully side to side, and up and down) and that the rail is parallel to the guard when the snout is lifted up against the guard finger. Add or remove washers if necessary.

Note: To make future installation and adjustment quicker, number the lifters with a paint pen prior to removing them. This will ensure each lifter goes back to the spot it was adjusted for.

4. Remove the lifters:



- a. Lift the black QD™ spring high enough to clear the top of the QD™ nut.



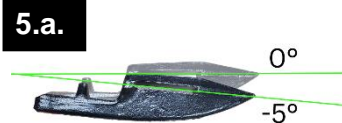
- b. Pull the lifter forward to remove it.

5. Tighten all QD™ nuts to 60 ft-lb (81Nm) torque.



a. Tighten all QD™ nuts to 60ft-lb (81Nm) torque. Once installed, the QD™ nuts can remain on the header, even when the crop lifters are not being used.

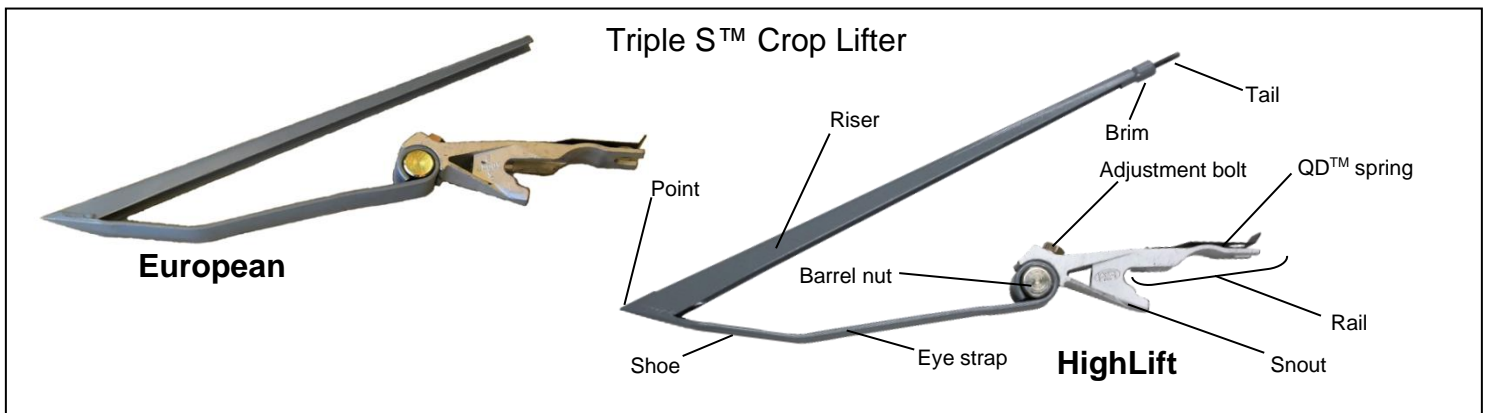
5. Adjust the cutting bar to negative 5 degrees.



a. This allows for more effective and efficient cutting of plant material.

Triple S™ European 70400, TRIPLE S™ HighLift

NOTICE: TRIPLE S™ EUROPEAN AND TRIPLE S™ HIGHLIFT LIFTERS ARE MADE OF STEEL AND WILL NOT BEND. Use extreme caution when traveling over irrigation ruts, sprayer and tractor ruts, large cracks in the ground and other uneven ground conditions. Digging the lifters into the ground can cause severe damage to your equipment as well as your lifters.



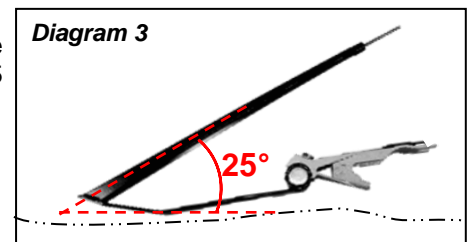
1. Adjust the crop lifters to the desired angle.



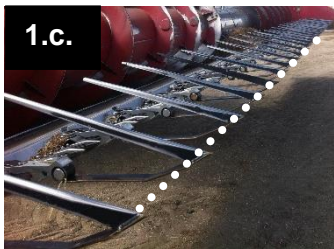
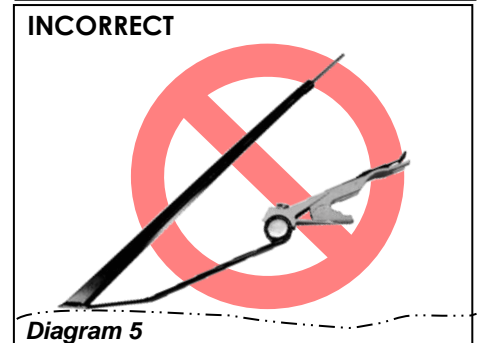
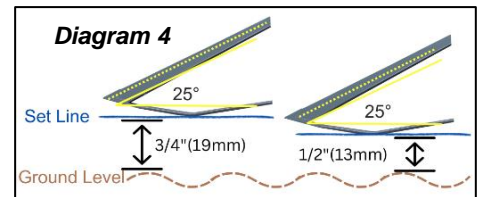
a. Using a 3/4" (19mm) wrench, loosen the adjustment bolt.



- b. Lift or lower the eye strap to change the angle of the lifter.
- i. The ideal operating conditions for this lifter are achieved when the riser is angled at 25 degrees, as shown in Diagram 3.



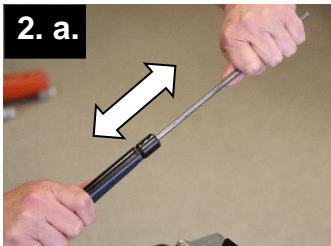
- ii. Set the lifters to be 1/4"(6mm) to 3/4"(19mm) from the ground, as shown in Diagram 4.
- iii. Ensure that the back half of the shoe, not the point, is what contacts the ground first, as in Diagram 5. *Notice: If the point contacts the ground first, as shown in Diagram 5, the lifter is likely to break during use and may damage the harvesting equipment.*



- c. Set all the lifters to be the same angle; they should form a straight line when you look down the row. It is important that all lifters are working in unison. Tighten the adjustment bolt on all lifters.

For Triple S™ HighLift only:

2. Adjust the length of the tail.



- a. Loosen the set screws on the brim of the riser.
- b. Pull out or push in the tail to the required length to accommodate the crop. The length of the tail should not exceed 5"(13cm) past the brim of the riser.
- c. Tighten the set screws to keep the tail in place.

NOTICE: A tail length exceeding 5"(13cm) past the brim of the riser increases the likelihood of causing damage to the lifter and/or harvest equipment during use.

NOTE: The reel should be set so that the upward motion begins where the lifter tail ends. If possible, adjust the reel fingers so that they are 20 degrees advanced at the tip of the finger as compared to the bar of the reel. This ensures that the reel and the lifters are working in unison and as effectively as possible.

3. Combine 100'(30m). Readjust the angle of the lifters as required.

- a. Set the lifters while the combine is in the field, as the combine tires may sink lower than ground level, in some situations. The lifters may need to be reset, if they were first adjusted while the combine was on hardpacked ground or a cement pad.
- b. Center the header reel over the cutter bar, so the finger tines will pick up the crop from the Flexifinger® crop lifters, not from the ground ahead of the lifters. Operating the reel in the fore position can cause the reel tine bar to catch the tip of the crop lifters, and force the lifters up and backwards, causing damage to the lifters, the cutting platform, and the reel itself. A broken lifter also increases the chance of ingestion and further damage to the combine.
- c. When possible, observe the lifters at cutting height while slowly driving over a path that has already been harvested. Look for lifters that are not working in unison and readjust.