

Horsch Maestro Quick-Attach Firmer Bracket Install (150612)

Parts List

Part Number	Description	Quantity
150612	Quick Attach Keeton Bracket Assembly	1
141257	Stiffener Bracket (FurrowJet only)	1
	QA Keeton Hardware kit	1

Step 1:

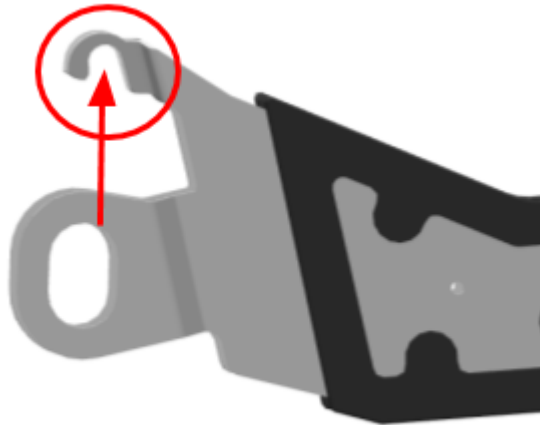
Row Unit Preparation

- a: Raise the planter and remove the disk scrapers.
- b: Remove the gauge wheels and disk openers.
- c: Check the seed tube guard and seed tube for wear and replace as necessary. It is not required, but removing the seed tube will make installation easier.
- d: Tools: #2 Phillips screwdriver

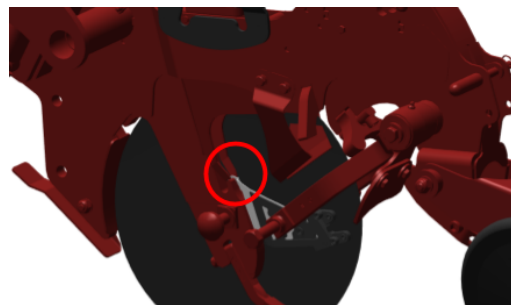
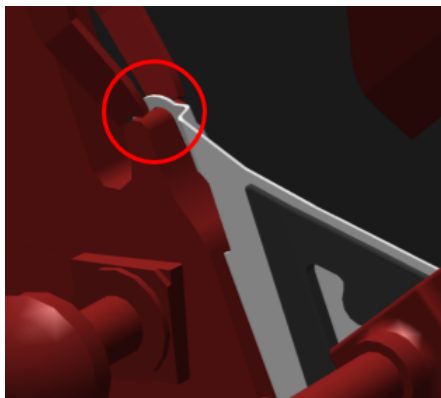
Step 2:

Quick Attach Installation Preparation

- a: The hooks on the quick attach may need to be ground prior to installation. To determine whether or not grinding is needed, please do a dry fit up to the row unit.



b: Verify material removal with a dry fit up to row unit. Use illustrations below for clarification.



Step 3:

Quick Attach Firmer Bracket Installation

Locate the bracket pieces and cut the zip tie securing them together (if necessary). Slide the eyelet on each half of the firmer bracket around the respective opening disk head bolt and secure sides using three provided #2 Phillips head screws. Assemble the bracket pieces (3x Phillips screws). It may not be possible to slide the complete bracket assembly over the seed tube, in which case assemble around the seed tube or temporarily remove.

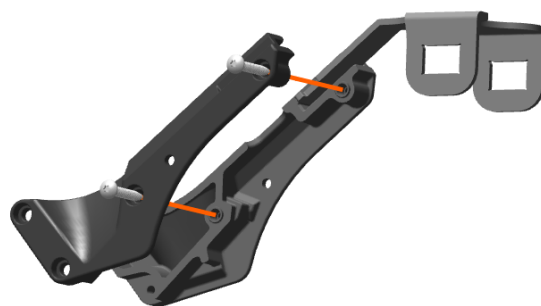


Note: If you are not installing FurrowJet, move to Step 7. If you are installing FurrowJet, move to Step 4.

Step 4:

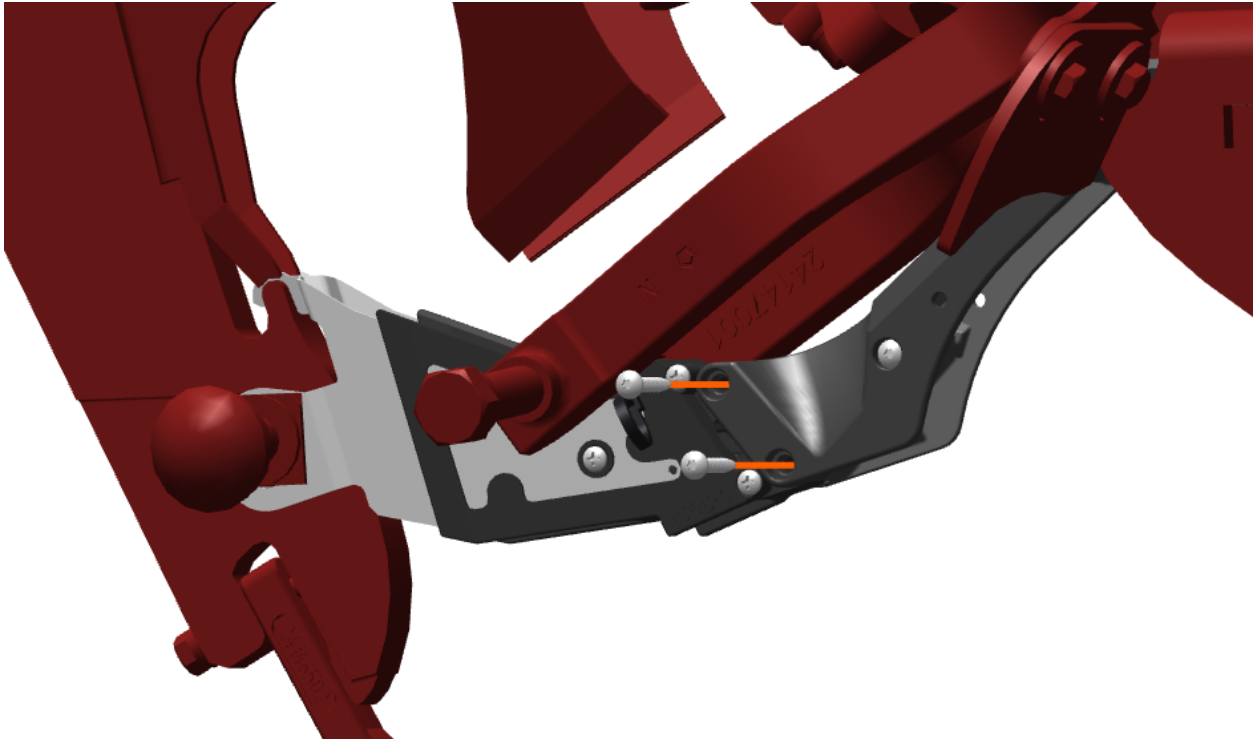
FurrowJet Stiffener Bracket Installation

Assemble the Stiffener bracket assembly to the hanger bracket. The 141257 kit should have the hanger bracket carriage bolt holes oriented downward as shown. Install the hanger bracket in between the stiffener bracket assembly sides, and secure using the #10 Torx screws in the rearmost holes.

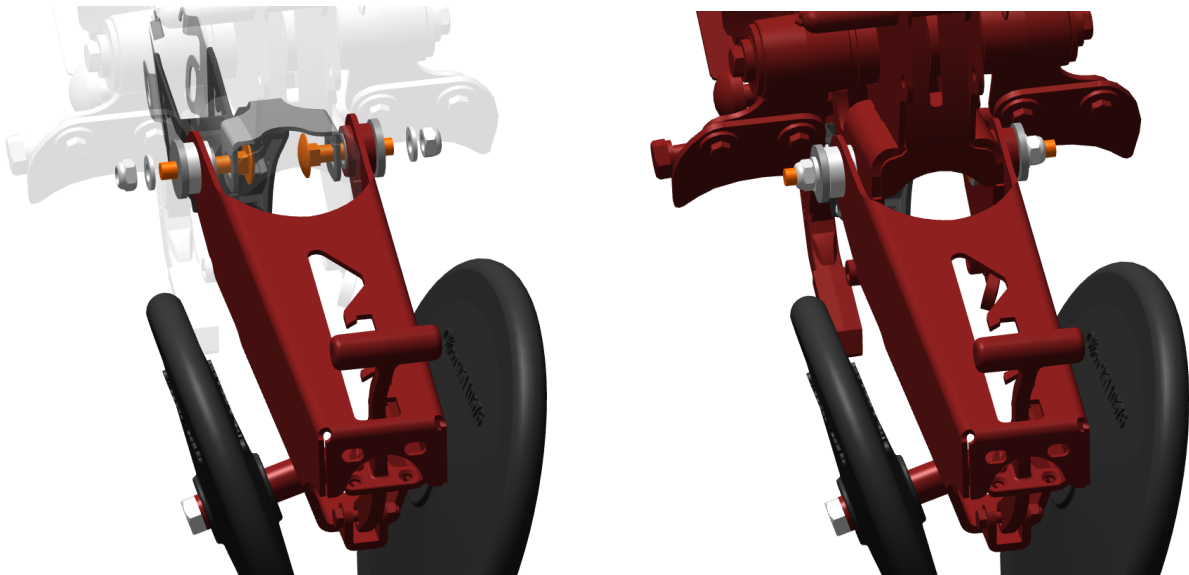


Step 5:

Install the stiffener bracket to the quick attach bracket using the #10 Torx screws in the frontmost holes.

**Step 6:**

Once secured, attach the stiffener bracket hanger using the two carriage bolts provided to secure the row unit. These carriage bolts will replace the OEM bolts attaching closing system to row unit. The OEM nuts, lock washers, and bushings will be reused to reinstall the closing system. Tighten the closing system locknuts down to complete the stiffener bracket installation.



Step 7:

Installation Completion

- a: If the seed tube was removed, reinstall and ensure it is fully seated on the lower seed tube pin.
- b: Reinstall opening disks and shim as necessary. Refer to the planter manual for proper shimming and contact of double-disk openers. The number of shims may be different than original due to the added thickness of the quick attach bracket.
- c: Reinstall gauge wheels according to Manufacturer's instructions.

Setting the contact between the Disk Openers: To check disk contact, use two pieces of paper and slide one piece in from the top of the disk openers and one from the bottom. Then slide them in toward each other, until they pinch between the disk openers. Measure the distance between the two pieces of paper. If the gap is too wide, you will need to add a shim to the disk opener. If the gap is too narrow you will need to remove a shim. Adjust shims as needed to get the correct contact as stated in the planter manual.

Note: To improve the seed trench “vee”, make sure the opener disks are not worn. If the diameter is less than listed, replace them.

— Less than 370 mm (14.5 in)

Correct Contact Between Disk Openers

3.5 mm blade thickness – 1”–1.5”

